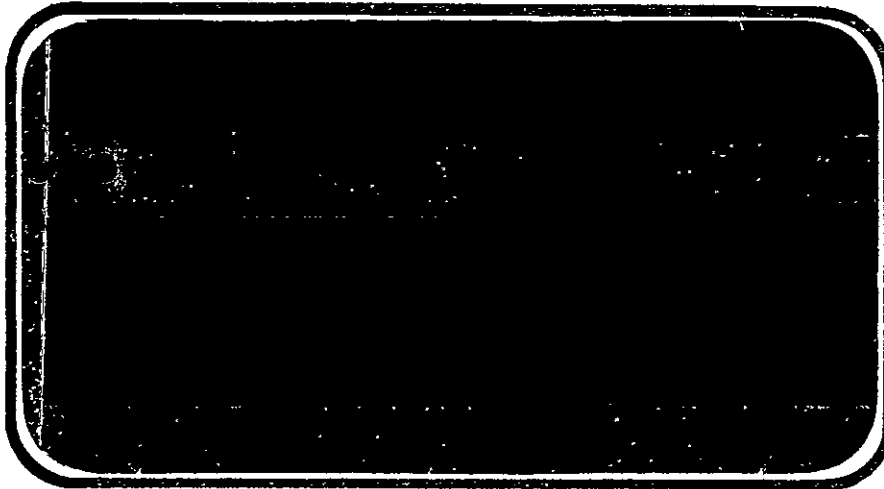




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(NASA-CR-141804) · RESULTS OF A 0.03-SCALE
AERODYNAMIC CHARACTERISTICS INVESTIGATION OF
A BOEING 747 CARRIER (MODEL NO. AX 1319 I-1)
MATED WITH A SPACE SHUTTLE ORBITER (MODEL
45-0) CONDUCTED IN THE BOEING TRANSONIC WIND G3/18
N75-33164
Unclas
42996

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services

SPACE DIVISION  CHRYSLER CORPORATION

August, 1975

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VOLUME 3 of 3

RESULTS OF A 0.03-SCALE AERODYNAMIC CHARACTERISTICS
INVESTIGATION OF A BOEING 747 CARRIER
(MODEL NO. AX 1319 I-1) MATED WITH A SPACE
SHUTTLE ORBITER (MODEL 45-0) CONDUCTED IN
THE BOEING TRANSONIC WIND TUNNEL (CA5)

by

747 Aerodynamics, 747 Flight Controls
and Wind Tunnel Test Group,
Boeing Aerospace Company

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services
Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: BTWT 1431
NASA Series Number: CA5
Model Number: AX 1319 I-1 (Carrier), 45-0 (Orbiter)
Test Dates: September 20 through September 30, 1974
Occupancy Hours: 65.3

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Chrysler Corporation Space Division assumes no responsibility for the data presented other than display characteristics.

RESULTS OF A 0.03-SCALE AERODYNAMIC CHARACTERISTICS
INVESTIGATION OF A BOEING 747 CARRIER
(MODEL NO. AX 1319 I-1) MATED WITH A SPACE
SHUTTLE ORBITER (MODEL 45-0) CONDUCTED IN THE
BOEING TRANSONIC WIND TUNNEL (CA5)

by

747 Aerodynamics, 747 Flight Controls and Wind Tunnel Test Group,
Boeing Aerospace Company

ABSTRACT

This report presents results of an experimental aerodynamic investigation of the Boeing 747/Space Shuttle Carrier aircraft conducted in the Boeing Transonic Wind Tunnel during September 1974. The objective of these tests was to determine performance, stability, and control characteristics of various carrier aircraft configurations. Aerodynamic characteristics of the carrier mated with the Orbiter, carrier alone, and Orbiter alone were investigated. Carrier support system tare and interference effects were determined.

Six-component force and moment data were recorded for the carrier and Orbiter. Buffet onset characteristics of the carrier vertical tail and horizontal tail were recorded. Angles of attack from -3° through 26° and angles of sideslip between $+12^\circ$ and -12° were investigated at Mach numbers from 0.15 through 0.70.

This report for CA5 consists of three volumes: Volume 1 - data figures 1 to 200; Volume 2 - data figures 201 to 260; Volume 3 - tabulated source data.

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FIG. 131	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHAI = 2 DEG	ORB	C	494-496
FIG. 132	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHAI = 6 DEG	TOTAL	C	497-499
FIG. 133	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHAI = 6 DEG	747	D	500-502
FIG. 134	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHAI = 6 DEG	ORB	C	503-505
FIG. 135	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPI = 6, RUD = 10/10	TOTAL	C	506-508
FIG. 136	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPI = 6, RUD = 10/10	747	D	509-511
FIG. 137	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPI = 6, RUD = 10/10	ORB	C	512-514
FIG. 138	747 + ORB (8 DEG) + TIP FINS, FLAPS UP LAUNCH, ALPHAI = 6 DEG	TOTAL	C	515-517

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 139	747 + ORB (8 DEG) + TIP FINS, FLAPS UP LAUNCH, ALPHA I = 6 DEG	747	D	518-520
FIG. 140	747 + ORB (8 DEG) + TIP FINS, FLAPS UP LAUNCH, ALPHA I = 6 DEG	ORB	C	521-523
FIG. 141	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6, TC OFF	TOTAL	C	524-526
FIG. 142	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6, TC OFF	747	D	527-529
FIG. 143	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6, TC OFF	ORB	C	530-532
FIG. 144	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPUP LNCH, ALP = 6, TC OFF, R = 10/10	TOTAL	C	533-535
FIG. 145	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPUP LNCH, ALP = 6, TC OFF, R = 10/10	747	D	536-538
FIG. 146	747 + ORB (8 DEG) + TIP FINS + STD SPD BRK, FLAPUP LNCH, ALP = 6, TC OFF, R = 10/10	ORB	C	539-541
FIG. 147	747 + ORB (10 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6 DEG	TOTAL	C	542-544
FIG. 148	747 + ORB (10 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6 DEG	747	D	545-547
FIG. 149	747 + ORB (10 DEG) + TIP FINS + STD SPD BRK, FLAPS UP LAUNCH, ALPHA I = 6 DEG	ORB	C	548-550

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 150	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAP UP LNCH, ALPHAI = 6, TC OFF	TOTAL	C	551-553
FIG. 151	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAP UP LNCH, ALPHAI = 6, TC OFF	747	D	554-556
FIG. 152	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAP UP LNCH, ALPHAI = 6, TC OFF	ORB	C	557-559
FIG. 153	747 + ORB (8 DEG) + TIP FINS + STD SP, FLAPS UP LNCH, ALPI = 6, ORB ELEV = 5	TOTAL	C	560-562
FIG. 154	747 + ORB (8 DEG) + TIP FINS + STD SP, FLAPS UP LNCH, ALPI = 6, ORB ELEV = 5	747	D	563-565
FIG. 155	747 + ORB (8 DEG) + TIP FINS + STD SP, FLAPS UP LNCH, ALPI = 6, ORB ELEV = 5	ORB	C	566-568
FIG. 156	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 2, DE = 0/0 (S = -1)	TOTAL	C	569-571
FIG. 157	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 2, DE = 0/0 (S = -1)	747	D	572-574
FIG. 158	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 2, DE = 0/0 (S = -1)	ORB	C	575-577
FIG. 159	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = -1)	TOTAL	C	578-580
FIG. 160	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = -1)	747	D	581-583

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 161	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = -1)	ORB	C	584-586
FIG. 162	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = +1)	TOTAL	C	587-589
FIG. 163	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = +1)	747	D	590-592
FIG. 164	747 + ORB (8 DEG) + STD SP, VERT TAIL OFF, FLAPS UP, ALPI = 6, DE = 0/0 (S = +1)	ORB	C	593-595
FIG. 165	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 2 (S = -2)	TOTAL	C	596-598
FIG. 166	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 2 (S = -2)	747	D	599-601
FIG. 167	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 2 (S = -2)	ORB	C	602-604
FIG. 168	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	TOTAL	C	605-607
FIG. 169	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	747	D	608-610
FIG. 170	747 + ORB (4 DEG), VERT TAIL OFF, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	ORB	C	611-613
FIG. 171	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -2)	TOTAL	C	614-616

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 172	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -2)	747	D	617-619
FIG. 173	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -2)	ORB	C	620-622
FIG. 174	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	TOTAL	C	623-625
FIG. 175	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	747	D	626-628
FIG. 176	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	ORB	C	629-631
FIG. 177	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	TOTAL	C	632-634
FIG. 178	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	747	D	635-637
FIG. 179	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	ORB	C	638-640
FIG. 180	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	TOTAL	C	641-643
FIG. 181	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	747	D	644-646
FIG. 182	747 + ORB (4 DEG), BASIC TAIL, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	ORB	C	647-649

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 183	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	TOTAL	C	650-652
FIG. 184	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	747	D	653-655
FIG. 185	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 2 (S = -3.2)	ORB	C	656-658
FIG. 186	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	TOTAL	C	659-661
FIG. 187	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	747	D	662-664
FIG. 188	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -3.2)	ORB	C	665-667
FIG. 189	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	TOTAL	C	668-670
FIG. 190	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	747	D	671-673
FIG. 191	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 8 (S = -3.2)	ORB	C	674-676
FIG. 192	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	TOTAL	C	677-679
FIG. 193	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	747	D	680-682

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 194	747 + ORB (4 DEG) + TIP FINS, FLAPS UP FERRY, ALPHAI = 6 (S = -2)	ORB	C	683-685
FIG. 195	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 6, RUDDER = 10/10	TOTAL	C	686-688
FIG. 196	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 6, RUDDER = 10/10	747	D	689-691
FIG. 197	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 6, RUDDER = 10/10	ORB	C	692-694
FIG. 198	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 2, RUDDER = 10/10	TOTAL	C	695-697
FIG. 199	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 2, RUDDER = 10/10	747	D	698-700
FIG. 200	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 2, RUDDER = 10/10	ORB	C	701-703
<u>VOLUME 2</u>				
FIG. 201	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 8, RUDDER = 10/10	TOTAL	C	704-706
FIG. 202	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 8, RUDDER = 10/10	747	D	707-709
FIG. 203	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 8, RUDDER = 10/10	ORB	C	710-712
FIG. 204	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHAI = 6, RUDDER = 10/10	TOTAL	C	713-715

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE		COEFFICIENT SCHEDULE	PAGES
FIG. 205	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHA I = 6, RUDDER = 10/10	747	D	716-718
FIG. 206	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHA I = 6, RUDDER = 10/10	ORB	C	719-721
FIG. 207	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHA I = 6, TAIL CONE OFF	TOTAL	C	722-724
FIG. 208	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHA I = 6, TAIL CONE OFF	747	D	725-727
FIG. 209	747 + ORB (4 DEG) + TIP FINS, FLAPS UP, ALPHA I = 6, TAIL CONE OFF	ORB	C	728-730
FIG. 210	ORBITER ALONE, TAIL CONE OFF, ALPHA I = 8 DEG		C	731-733
FIG. 211	ORBITER ALONE, TAIL CONE OFF, ALPHA I = 15 DEG		C	734-736
FIG. 212	ORBITER ALONE, TAIL CONE ON, ALPHA I = 8 DEG		C	737-739
FIG. 213	ORBITER ALONE, TAIL CONE ON, ALPHA I = 15 DEG		C	740-742
FIG. 214	747 ALONE, EFFECT OF STD IN-FLIGHT SPEED BRAKES, FLAPS UP		A	743-750
FIG. 215	747 + ORB (8 DEG), EFFECT OF STD IN-FLIGHT SPEED BRAKES, FLAPS UP		A	751-766
FIG. 216	BASIC 747 + ORB (10 DEG), EFFECT OF FULL 45 DEG SPOILERS, FLAPS 20		A	767-778
FIG. 217	747 ALONE, EFFECT OF FULL 45 DEG SPOILERS, FLAPS 20		A	779-782

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	PAGES
FIG. 218	747 + ORB (10 DEG), EFFECT OF STD BRAKES OR FULL 45 SPOILERS, FLAPS 20	A	783-794
FIG. 219	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS UP FERRY CONFIGURATION	A	795-810
FIG. 220	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS 20 LAUNCH CONFIGURATION	A	811-822
FIG. 221	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS UP LAUNCH CONFIGURATION	A	823-838
FIG. 222	747 + ORB (4 DEG), EFFECT OF TAIL CONE, FLAPS UP FERRY CONFIG.	A	839-854
FIG. 223	747 + ORB (8 DEG), EFFECT OF TAIL CONE, FLAPS UP LAUNCH CONFIG.	A	855-870
FIG. 224	747 ALONE, EFFECT OF HORIZ TIP FINS, FLAPS UP	A	871-890
FIG. 225	747 + ORB (4 DEG), EFFECT OF HORIZ TIP FINS, FLAPS UP FERRY	A	891-906
FIG. 226	747 ALONE, EFFECT OF HORIZ TIP FINS, FLAPS 20	A	907-922
FIG. 227	747 + ORB (10 DEG), EFFECT OF HORIZ TIP FINS, FLAPS 20 LAUNCH	A	923-934
FIG. 228	747 ALONE, EFFECT OF ORB SUPPORTS, FLAPS UP	A	935-950
FIG. 229	747 ALONE, STABILIZER EFFECT, FLAPS UP	A	951-970
FIG. 230	747 + ORB (8 DEG), STABILIZER EFFECT, FLAPS UP LAUNCH	A	971-990
FIG. 231	747 + ORB (4 DEG), STABILIZER EFFECT, FLAPS UP FERRY	A	991-1010

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	PAGES
FIG. 232	747 + ORB (10 DEG), STABILIZER EFFECT, FLAPS 20 LAUNCH	A	1011-1022
FIG. 233	747 ALONE, ELEVATOR EFFECT FLAPS UP	A	1023-1026
FIG. 234	747 ALONE, EFFECT OF 5 DEG SIDESLIP, FLAPS UP	E	1027-1040
FIG. 235	747 ALONE, RUDDER EFFECT (BETA = 0), FLAPS UP	E	1041-1047
FIG. 236	747 + ORB (8 DEG), ELEVATOR EFFECT, FLAPS UP LAUNCH	A	1048-1063
FIG. 237	747 + ORB (8 DEG), ELEVATOR EFFECT, FLAPS UP LAUNCH, TAIL CONE OFF	A	1064-1079
FIG. 238	747 + ORB (4 DEG), ELEVATOR EFFECT, FLAPS UP FERRY	A	1080-1095
FIG. 239	747 ALONE, ELEVATOR EFFECT, FLAPS 20	A	1096-1099
FIG. 240	747 + ORB (8 DEG), EFFECT OF ORBITER ELEVON, FLAPS UP	A	1100-1107
FIG. 241	747 + ORB (8 DEG), STABILIZER EFFECT, FLAPS UP LAUNCH, TAIL CONE OFF	A	1108-1123
FIG. 242	BASIC 747 + ORB (4 DEG), STABILIZER EFFECT, FLAPS UP FERRY	A	1124-1139
FIG. 243	747 + ORB, EFFECT OF FLAPS ON LAUNCH CONFIG.	A	1140-1151
FIG. 244	747 ALONE, EFFECT OF HORIZ TIP FINS, FLAPS UP	C	1152-1166
FIG. 245	747 + ORB (4 DEG), EFFECT OF HORIZ TIP FINS, FLAPS UP FERRY	C	1167-1181
FIG. 246	747 ALONE, EFFECT OF HORIZ TIP FINS, FLAPS 20	C	1182-1190
FIG. 247	747 + ORB (10 DEG), EFFECT OF HORIZ TIP FINS, FLAPS 20 LAUNCH	C	1191-1199

INDEX OF DATA FIGURES (Continued)

FIGURE NUMBER	TITLE	COEFFICIENT SCHEDULE	PAGES
FIG. 248	747 ALONE, RUDDER EFFECT WITH ORB SUPPORTS, FLAPS UP, ALPHA I = 6 DEG	C	1200-1205
FIG. 249	747 + ORB (4 DEG), RUDDER EFFECT, FLAPS UP FERRY, ALPHA I = 6 DEG	C	1206-1217
FIG. 250	747 + ORB (4 DEG), EFFECT OF ALPHA, FLAPS UP FERRY	C	1218-1232
FIG. 251	747 + ORB (8 DEG), RUDDER EFFECT, FLAPS UP LAUNCH, ALPHA I = 6 DEG	C	1233-1244
FIG. 252	747 + ORB (8 DEG), RUDDER EFFECT, TAIL CONE OFF, FLAPS UP LAUNCH, ALPHA I = 6	C	1245-1256
24	FIG. 253 747 + ORB (8 DEG), EFFECT OF ORB ELEVONS, FLAPS UP LAUNCH	C	1257-1262
FIG. 254	747 + ORB (4 DEG), EFFECT OF TAIL CONE, FLAPS UP FERRY	C	1263-1274
FIG. 255	747 + ORB (8 DEG), EFFECT OF TAIL CONE, FLAPS UP LAUNCH	C	1275-1286
FIG. 256	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS UP LAUNCH	C	1287-1298
FIG. 257	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS 20 LAUNCH	C	1299-1307
FIG. 258	747 + ORB, EFFECT OF ORB INCIDENCE, FLAPS UP FERRY	C	1308-1319
FIG. 259	747 + ORB (10 DEG), RUDDER EFFECT, FLAPS 20 LAUNCH, ALPHA I = 6 DEG	C	1320-1328
FIG. 260	747 + ORB (10 DEG), EFFECT OF FULL 45 DEG SPOILERS, FLAPS 20	C	1329-1337

INDEX OF DATA FIGURES (Concluded)

COEFFICIENT SCHEDULE:

A: CL vs. ALPHAW; CL vs. CD; CL, ALPHAW vs. CLM

B: DCL vs. ALPHAW; DCL vs. DCD; DCL, ALPHAW vs. DCLM

C: CY, CLN, CSL vs. BETA

D: DCY, DCLN, DCSL vs. BETA

E: CL vs. ALPHAW; CL vs. CD; CL, ALPHAW vs. CLM;
CY, CLN, CSL vs. ALPHAW

F: CL vs. ALPHA; CL vs. CD; CL, ALPHA vs. CLM

NOMENCLATURE
General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C_p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m^2 , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m^2 , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m^3 , slugs/ft ³

Reference & C.G. Definitions

A_b		base area; m^2 , ft^2
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l_{REF}}{c}$	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m^2 , ft^2
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CIM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D _f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
BSTA		carrier fuselage station, in.
BWL		carrier water line, in.
FS		fuselage station, in.
i_{ORB}	IORB	Orbiter incidence angle, deg.
MS		model station, in.
S_{i-j}	Si-j	spoiler nos. i through j deflection angle, deg.
WL		waterline, in.
WP		water plane, in.
Xc	XC	carrier longitudinal station, in.
Xo	XO	Orbiter longitudinal station, in.
Yc	YC	carrier lateral station, in.
Yo	YO	Orbiter lateral station, in.
Zc	ZC	carrier vertical station, in.
Zo	ZO	Orbiter vertical station, in.
α_c	ALPHAC	carrier fuselage angle of attack, deg.
α_0	ALPHA	Orbiter angle of attack, $\alpha_0 = i_{ORB} - 2^\circ + \alpha_w + \Delta i_{ORB}$, deg.
α_w	ALPHAW	carrier wing angle of attack, $\alpha_w = \alpha_c + 2^\circ$, deg.
β_c	BETA	carrier sideslip angle, deg.
β_0	BETA	Orbiter sideslip angle, deg.

NOMENCLATURE (Continued)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
δC_L	DCL	incremental lift force coefficient (stability axis), DCL
δC_D	DCD	incremental drag force coefficient (stability axis), DCD
δC_m	DCLM	incremental pitching moment coefficient (stability axis), DCLM
δC_Y	DCY	incremental side force coefficient (stability axis), DCY
δC_n	DCLN	incremental yawing moment coefficient (stability axis), DCLN
δC_{ℓ}	DCSL	incremental rolling moment coefficient (stability axis), DCSL
δe	ORBELV	Orbiter elevator deflection angle, ORBELV, deg.
α_I	ALPHAI	nominal value of ALPHAW, ALPHAI ALPHAI = ALPHAW - sting balance correction
C_{L_T}	CL-T	main balance strut tare lift force coefficient, CL-T
C_{D_T}	CD-T	main balance strut tare drag force coefficient, CD-T
C_{m_T}	CLM-T	main balance strut tare pitching moment coefficient, CLM-T
C_{Y_T}	CY-T	main balance strut tare side force coefficient, CY-T
C_{n_T}	CLN-T	yawing moment coefficient, CLN-T
C_{ℓ_T}	CSL-T	main balance strut tare rolling moment coefficient, CSL-T

NOMENCLATURE (Concluded)
Additions to Standard List

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
Δi_{ORB}	DIORB	change in Orbiter incidence due to support strut and balance deflections, deg.
δa_{IL}	AIL-IL	carrier left inboard aileron deflection angle, deg.
δa_{IR}	AIL-IR	carrier right inboard aileron deflection angle, deg.
δa_{OL}	AIL-OL	carrier left outboard aileron deflection angle, deg.
δa_{OR}	AIL-OR	carrier right outboard aileron deflection angle, deg.
δa	AILRON	Orbiter aileron deflection angle, deg.
δe_{IB}	ELV-IB	carrier inboard elevator deflection, deg.
δe_{OB}	ELV-OB	carrier outboard elevator deflection, deg.
δe	ELEVON	Orbiter elevon deflection angle, deg.
δ_{BF}	BDFLAP	Orbiter body flap deflection angle, deg.
δ_{RL}	RUD-L	carrier lower rudder panel deflection angle, deg.
δ_{RU}	RUD-U	carrier upper rudder panel deflection angle, deg.
δ_R	RUDDER	Orbiter rudder deflection angle, deg.
δ_{SB}	SPDBRK	Orbiter speedbrake deflection angle, deg.
δ_{WPP}	STAB	carrier horizontal stabilizer deflection angle, deg.

CONFIGURATIONS INVESTIGATED

The test articles were 0.030-scale representations of the Boeing 747 carrier and Space Shuttle Orbiter vehicles. The carrier and Orbiter were tested both alone and mated. Carrier alone testing included a strut tare and interference investigation which utilized a dummy support strut. The BTWT external balance measured total force and moment data for the mated vehicle and carrier forces and moments for carrier alone testing. Orbiter forces and moments were measured by a six-component internal balance (660) mounted in the Orbiter.

The carrier model (no. AX 1319 I-1) represented the NASA 905 carrier aircraft which is a Boeing 747-100 aircraft with 200 ft.² vertical tip fins on the horizontal tail. Configuration designations used were:

$$K_1 = B_{27.8} M_{26.8}^{25} N_{57}^{58} T_{19} W_{44.1}$$

$$F_{20} = F_{8.1}^{20} F_{8.2}^{20} J_{11.10.2}^{60} J_{13.8.1}^{50} L_{9.8.3}^{70}$$

B _{27.8}	fuselage
F ₀	all flaps retracted at 0° deflection
F _{8.1} ²⁰	inboard flaps deflected 20°
F _{8.2} ²⁰	outboard flaps deflected 20°
H _{15.1A}	basic horizontal tail
H _{15.6}	horizontal tail with 200 ft. ² vertical tip fins
IS	image strut for support strut tare and interference studies
J _{11.10.2} ⁶⁰	mid-span leading edge flaps deflected 60°
J _{13.8.1} ⁵⁰	outboard leading edge flaps deflected 50°

CONFIGURATIONS INVESTIGATED (Continued)

L _{9.8.3} ⁷⁰	inboard leading edge Kruegers deflected 70°
M ₂₅	inboard nacelle struts
M _{26.8}	outboard nacelle struts
N ₅₇	inboard nacelle
N ₅₈	outboard nacelle
S ₁₋₁₂	spoilers
T ₁₉	flap track fairing
V _{9.1}	vertical tail
W _{44.1}	wing

The Orbiter model (no. 45-0) represented the space shuttle Orbiter configuration 140A/B lines. The following configuration designations were used:

ORB = AT₃₉ B₂₆ M₁₆ R₅ V₈ W₁₁₆ E₄₄

AT ₃₈	Orbiter/carrier forward support strut
AT ₃₉	Orbiter/carrier aft support strut
B ₂₆	fuselage
M ₁₆	OMS pods
N ₂₄	MPS nozzles
N ₂₈	OMS nozzles
R ₅	rudder

CONFIGURATIONS INVESTIGATED (Concluded)

TC₅ tail cone fairing

V₈ vertical tail

W₁₁₆ wing

E₄₄ slotted elevon

C₉ canopy

F₈ body flap

TEST FACILITY DESCRIPTION

The Boeing Transonic Wind Tunnel (BTWT) is a continuous flow, closed circuit, single return, atmospheric facility with the following characteristics:

Test Section Flow Parameters		Test Section Dimensions	
Freestream Condition	Range	Description	Value
Mach number	0 thru 1.15	Cross-section (minus corner fillets), ft.	8 x 12
Dynamic pressure, psia	0 thru 6.3		
Static pressure, psia	15 to 5.4	Length, ft	14.5
Stagnation pressure	atmospheric	Area, ft ²	88
Maximum unit Reynolds number, per foot	4×10^6		
Maximum total temperature, °F	160		

The test section can be operated with either solid or slotted walls. The slotted wall configuration consists of 16 slots which can vary wall porosity from 3.5% to 11%.

Test data acquisition, recording, computations, and display are done by an XDS-9300 computer and Astro data sub-system.

DATA REDUCTION

Aerodynamic forces and moments measured by the external balance were reduced to coefficient form in body and stability axis systems, utilizing carrier reference dimensions:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	747 wing area, ft. ²	4.95	5500
b	747 wing span, in.	70.44	2348
\bar{c}	747 wing mean aerodynamic chord, in.	9.834	327.8
X _{MRP}	747 longitudinal moment reference point, in. X _C	40.197	1339.91
Y _{MRP}	747 lateral moment reference point, in. Y _C	0.0	0.0
Z _{MRP}	747 vertical moment reference point, in. Z _C	5.7225	190.75

Aerodynamic forces and moments measured by the internal balance were reduced to coefficient form in body and stability axis systems utilizing both the carrier reference dimensions (described above) to create one set of data, and Orbiter reference dimensions to create a second set of data. Orbiter reference dimensions are:

<u>Symbol</u>	<u>Description</u>	<u>Model Scale</u>	<u>Full Scale</u>
S	Orbiter wing area, ft. ²	2.42	2690
b	Orbiter wing span, in.	28.10	936.68
\bar{c}	Orbiter wing mean aerodynamic chord, in.	14.244	474.81
X _{MRP}	Orbiter longitudinal moment reference point, in. X ₀	33.270	1109.0

DATA REDUCTION (Concluded)

		<u>Model Scale</u>	<u>Full Scale</u>
Y_{MRP}	Orbiter lateral moment reference point, in. Y_0	0.0	0.0
Z_{MRP}	Orbiter vertical moment reference point, in. Z_0	11.25	375.0

Support strut tare and interference corrections were applied to carrier data. These corrections (datasets RGMC01-RGMC18), were obtained by subtracting image strut in minus image strut out datasets (RGM001-RGM038).

Table IV summarizes the data set notation used for different types of data.

TABLE II.

TEST: BTWT 1431 CA-5		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-1-75								
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS						
		α	β	STRAB	RUD-U/L	ELV-IB/OB	S1-2	S3-4	S5-8	IORB						.15	.30	.50	.60	.70
RGM001	KI + F ₀ HIS.1A V _{9.1} + IS	1A	0	-2	0	0/3	0	0	0	—						31	17	16	15	13
02		2	△	-2	0												18	19	20	21
03		6	△	-2	0											30	25	24	23	22
04	Y	8	△	-2	0	Y											29	28	27	26
05	KI + F ₀ V _{9.1} + IS	1A	0	—	0	—										34	38	37	36	35
06	KI + F ₀ HIS.1A + IS	2	△	-2	—	0/3											42	41	40	39
07		6	△	-2	—											47	46	45	44	43
08	Y	8	△	-2	—												51	50	49	48
09	KI + HIS.1A F ₂₀ + IS	4	△	+1	—												57	56	55	54
10		4	△	+1	—												61	60	59	58
11		6	△	+1	—												65	64	63	62
12	Y	8	△	+1	—	Y											69	68	67	66
13	KI + F ₂₀ V _{9.1} + IS	1A	0	—	0	—											73	72	71	70
14	KI + F ₂₀ HIS.1A V _{9.1} + IS	1A	0	+1	0	0/3										91	77/78	76	75/90	74
15		34	△	+1	0															79
16		4.25	△	+1	0												83	82	81/85	80
17		6	△	+1	0												89	88	87	86
Y 18	Y	8	△	+1	0	Y	Y	Y	Y	Y	Y	Y	Y	Y			95	94	93	92

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TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 (ALPHA) 75 76 (BETA)

CL CD CLM CY CLN CSL DIORB DCL DCD DCLM DCY DCLM DCSL CLT MACH ALPHA W

CDT, CLMT, CYT, CLNT, CSLT

FOR 12 SETS, $\alpha = \alpha_W = \Delta = 1A_{INV} = -2 \rightarrow 12, \Delta = 1^\circ$ COEFFICIENTS

FOR A DATASETS, $\alpha = \alpha = \Delta = 1A_{INV} = 3 \rightarrow 21, \Delta = 1^\circ$

α OR β

SCHEDULES $\beta = \Delta = -12, -10, -8, -6, -4, -3, -2, -1, 0, 1, 2, 3, 4, 6, 8, 10, 12$

$KI = W441 B27.8 M_{26.8}^{25} N_{57}^{58} T19 + TS \#6.2$

$F_{20} = F_{2.1}^{20} F_{2.2}^{20} J_{11.10}^{60} J_{13.8.1}^{70} L_{9.R.3}$

F₀ = FLAPS RETRACTED 0°; HIS.1A = BASIC HORIZ. TAIL; HIS.6 = HORIZ TAIL W/BOOFEZ VERT. TIP FINS; V_{9.1} = VERT. TAIL; AT₃₈ = ORB/CARR. SUPPORT STRUTS; TC₅ = TAIL CONE FAIRING; N₂₈ = OMS NOZZLES; N₂₄ = MPS NOZZLES; IS = IMAGE STRUTS; S = SPOILER DEFLECTIONS; IORB = ORB. INCIDENCE; RUD-U/L = RUDDER DEFLECTION; ELV-IB/OB = ELEV. DEFLECTION

TABLE II. - Continued.

TEST: BTWT 143/ CA-5			DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-1-75							
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS						
		α	β	STAB	RUD- U/L	ELV- IB/OB	S _{1,2} 11,12	S _{3,2} 9,10	S ₅₋₈	IORB						.15	.3	.5	.6	.7
RGMO19	K ₁ F ₂₀ V _{9.1} H _{15.1A}	1A	0	+1	0	0/3	0	0	0	—						102	101	100	99	98
20		4	△	+1	0												106	105	104	103
21		6	△	+1	0												110	109	108	107
22	Y	8	△	+1	0	Y											114	113	112	111
23	K ₁ F ₂₀ V _{9.1}	1A	0	—	0	—											119	118	117	115/116
24	K ₁ F ₂₀ H _{15.1A}	4	△	+1	—	0/3											123	122	121	120
25		6	△	+1	—												127	126	125	124
26	Y	8	△	+1	—												131	130	129	128
27	K ₁ F ₀ H _{15.1A}	2	△	+1	—												137	136	135	134
28		6	△	+1	—												142	141	140	138
29	Y	8	△	+1	—	Y											146	145	144	143
30	K ₁ F ₀ V _{9.1}	1A	0	—	0	—											151	150	149	148
31	K ₁ F ₀ V _{9.1} H _{15.1A}	1A	0	+1	0	0/3											156	155	154	153
32		1A	0	-2	0												161	160	159	158
33		2	△	-2	0												165	164	163	162
34		6	△	-2	0												170	169	168	167
35	Y	8	△	-2	0												174	173	172	171
36	K ₁ F ₀ H _{15.1A}	2	△	-2	—	Y	Y	Y	Y	Y							178	177	176	175

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TEST RUN NUMBERS

7	13	19	25	31	37	43	49	55	61	67	73	76
COEFFICIENT										ICAR (1)	ICAR (2)	ICV
α OR β		_____										
SCHEDULES		_____										

TABLE II. - Continued.

TEST: BTWT 1431 CA-5		DATA SET/RUN NUMBER COLLATION SUMMARY											DATE: 7-1-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS					
		α	β	STAB	RUD- U/L	ELY- FB/OB	S _{1,2} 11,12	S _{3,4} 9,10	S ₅₋₈	IORB					.15	.3	.5	.6	.7
RGMO37	K ₁ F ₀ H _{15.1A}	6	△	-2	—	0/3	0	0	0	—					183	182	181	180	179
38	↓	8	△	-2	—	0/3										187	186	185	184
39	K ₁ F ₀ V _{9.1}	△	0	—	0	—								194	193	192	191	189	
40	K ₁ F ₀ V _{9.1} H _{15.1A}	△	0	-2		0/3								202	201	200	199	198	
41	↓	6	△	-2										207	206	205	204	203	
42	K ₁ F ₀ V _{9.1} H _{15.6}	△	0	-2										212	211	210	209	208	
43		6	△	-2										217	216	215	214	213	
44		△	0	+1				Y	Y					222	221	220	219	218	
45		△	0	+1				45	20							224	223		
46		△	+5	+1		Y										226	225		
47		△	0	+1		10/13											227		
48		△	0	+1	Y	-10/7											228		
49	Y	△	0	+1	15/15	0/3											229		
50	K ₁ F ₀ V _{9.1} H _{15.6} AT ₃₈ AT ₃₉	6	△	+1	15/15	0/3										233	232		
51		6	△	+1	0	0/3										236	235	234	
52	Y	△	0	+1	0	0/3								240	239	238	237		
53	K ₁ F ₀ V _{9.1} H _{15.6} AT _{38.1} AT ₃₉	△	0	+1	0	0/3	Y	Y	Y					244	243	242	241		
54	K ₁ F ₀ V _{9.1} H _{15.6}	△	0	-1.9	0	0/3	0	45	20	Y						246	245		

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40

TEST RUN NUMBERS

13 19 25 31 37 43 49 55 61 67 73 76

COEFFICIENTS

ICVAR (1) ICVAR (2) ICV

α OR β
SCHEDULES

TABLE II. - Continued.

TEST: BTWT 1431 CA-5		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-1-75										
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS								
		α^*	β	STAB	RUP- U/L	ELV- IS/OS	S _{1,2} 11,12	S _{3,4} 2,10	S ₅₋₈	IORB						.15	.3	.5	.6	.7		
RCM055	K ₁ F ₀ H _{15.1A}	6	△	-1.9	—	0/3	0	0	0	—								251	250	249	248	247
56	K ₁ F ₂₀ H _{15.1A}	6	△	+1	—	0/3														255	254	253
57	K ₁ F ₂₀ H _{15.1A} V _{9.1}	6	△	+1	0	0/3												259	258	257	256	
58	↓	△	0	+1	0	0/3												264	263	262/265	261	260
59	K ₁ F ₂₀ H _{15.6} V _{9.1}	△	0	+1	0	0/3												269		268	267	266
60		6	△	+1	0	0/3	Y	Y	Y											272	271	270
61		△	0	+1	0	0/3	45	45	45											273		
62	Y	△	0	+1	0	10/13														274		
63	K ₁ F ₂₀ H _{15.6} V _{9.1} + ORB	△	0	+1	0	10/13							3.7							277	278	279
64	+ TS ₅ + AT _{38.1}	△	0	+1	0	10/13														282	281	280
65		△	0	+1	0	0/3															284	283
66		△	0	+1	0	0/3														285		
67		6	△	+1	0	0/3														288	287	286
68		△	0	-2	0	0/3														291	290	289
69		6	△	+1	10/10	0/3	Y		Y											296	295	294
70		△	0	+1	0	0/3	0	Y	20											299	298	297
71		△	0	+1	0	0/3	0	0	0											302	301	300
72	Y	8	△	+1	0	0/3	0	0	0	Y								306		305	304	303

TEST RUN NUMBERS

41

COEFFICIENTS

ICLAR 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72

α OR β _____

SCHEDULES _____

ORB = W₁₆ B₂₆ V₈ R₅ M₁₆ AT₃₉ E₄₄ + TS_{ORB}

TABLE II. - Continued.

TEST: BTWT 1431 CA-5		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-1-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS				
		α	β	STAB	RUP- U/L	BLV- TB/OB	S _{1,2} U/V	S _{3,4} 9,10	S ₅₋₈	IORB	ORB ELV			.15	.3	.5	.6	.7
RCM073	K1F20H15.6V9.1 + ORB + TC5 + AT38.1	G	△	+1	0	0/3	0	0	0	9.7	—			310		309	308	307
74	K1F20H15.1AV9.1 + ORB + TC5 + AT38.1	△	0	+1	0	0/3	0	0	0	9.7					313	312	311	
75		△	0	+1	0	0/3	45	45	45	9.7					316	315	314	
76	↓	G	△	+1	0	0/3	45	45	45	9.7					319	318	317	
77	K1F20V9.1 + ORB + TC5 + AT38.1	△	0	—	0	—	45	45	45	9.7				323	322	321	320	
78	K1F20H15.1A + ORB + TC5 + AT38.1	G	△	+1	—	0/3	45	45	45	9.7			327		326	325	324	
79	K1F20H15.6V9.1 + ORB + TC5 + AT38.2	G	△	+1	0	0/3	45	45	45	7.85					330	329	328	
80	↓	△	0	+1	0	0/3	45	45	45	7.85					333 335	332 334	331	
81	K1F0H15.6V9.1 + ORB + TC5 + AT38.2	△	0	+1	0	0/3	0	45	20	7.85			340	339	338	337	336	
82		2	△	+1	0	0/3	0	45	20	7.85			345	344	343	342	341	
83		G	△	+1	0	0/3	0	45	20	7.85			350	349	348	347	346	
84		△	0	-2	0	0/3	0	45	20	7.85				354	353	352	351	
85		△	0	+1	0	10/13	0	45	20	7.85				358	357	356	355	
86	↓	G	△	+1	10/10	0/3	0	45	20	7.85	Y			362	361	360	359	
87	K1F0H15.6V9.1 + ORB + TC5 + AT38.2	△	0	+1	0/0	0/3	0	45	20	7.85	5				364	363		
88		G	△	+1	0/0	0/3	0	45	20	7.85	5				366	365		
89		G	△	+1	0	0/3	0	0	0	7.85	0			370	369	368	367	
90	↓	△	0	+1	0	0/3	0	0	0	7.85	0			374	373	372	371	

TEST RUN NUMBERS

42

COEFFICIENTS

ID VAR '11 IC AR '2 'DV

α OR β _____

SCHEDULES _____

TABLE II. - Continued.

TEST: BTWT 1431 CA-5		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 7-1-75								
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS						
		α	β	STAB	RUP-U/L	ELV-T/OB	S _{1,2}	S _{3,4}	S ₅₋₈	TORB					.15	.3	.5	.6	.7	
RGMO 91	K ₁ FoH ₁₅ CV _{9.1} + ORB + N ₂₈ + N ₂₄ + AT _{38.2}	△	0	-2	0	0/3	0	45	20	7.85										
92		△	0	+1	0	0/3	0	45	20	7.85							378	377	376	375
93		6	△	+1	0	0/3	0	45	20	7.85							382	381	380	379
94		6	△	+1	10/10	0/3	0	45	20	7.85							386	385	384	383
95		6	△	+1	0/0	10/13	0	45	20	7.85							390	389	388	387
96	K ₁ FoH ₁₅ 6V _{9.1} + ORB + TC ₅ + AT _{38.2}	△	0	+1	0/0	0/0	0	45	20	9.7							394	393	392	391
97		6	△	+1	0/0	0/0	0	45	20	9.7							398	397	396	395
98	K ₁ FoV _{9.1} + ORB + TC ₅ + AT _{38.2A}	△	0	—	0/0	—	0	45	20	7.85					407		402	401	400	399
99	K ₁ FoV _{9.1} + ORB + AT _{38.2A} + N ₂₈ + N ₂₄	△	0	—	0/0	—	0	45	20	7.85							406	405	404	403
100	K ₁ FoH _{15.1A} + ORB + AT _{38.2A} + N ₂₈ + N ₂₄	6	△	-1	—	0/0	0	45	20	7.85							411	410	409	408
101	K ₁ FoH _{15.1A} + ORB + TC ₅ + AT _{38.2A}	6	△	-1	—	0/0	0	45	20	7.85							415	414	413	412
102		6	△	-1	—	0/0	0	45	20	7.85							419	418	417	416
103		6	△	+1	—	0/0	0	45	20	7.85							424	423	422	421
104	K ₁ FoH _{15.1A} + ORB + TC ₅ + AT _{38.3}	2	△	-2	—	0/3	0	0	0	4.0							429	428	427	426
105		6	△	-2	—	0/3	0	0	0	4.0							435	431/434	433	432
106		6	△	-2	—	0/3	0	0	0	4.0							440	439	438	437
107	K ₁ FoV _{9.1} + ORB + TC ₅ + AT _{38.3}	8	△	-2	—	0/3	0	0	0	4.0							444	443	442	441
108	K ₁ FoH _{15.1AV_{9.1}} + ORB + TC ₅ + AT _{38.3}	△	0	—	0/0	—	0	0	0	4.0							449	448	447	446
		△	0	-3.2	—	0/3	0	0	0	4.0							453	452	451	450

TEST RUN NUMBER:

43

7 13 19 25 31 37 43 49 55 61 67 73 76

COEFFICIENT

IGVAR 111 IGVAR 12 .EN

α OR β
SCHEDULES

TABLE II. - Continued.

TEST: BTWT 1431 CA-5			DATA SET/RUN NUMBER COLLATION SUMMARY												DATE: 7-1-75						
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES										MACH NUMBERS							
		α	β	STAB	RUD- U/L	ELV- D/OB	S _{1,2} 11,12	S _{3,4} 9,10	S ₅₋₈	IORB					.15	.3	.5	.6	.7		
RGM109	K ₁ FoH _{15.1AV} q _{.1} +ORB+TC ₅ +AT _{38.3}	2	△	-3.2	0	0/3	0	0	0	0	4.0										
110		6	△	-3.2	0	0/3											457	456	455	454	
111	Y	8	△	-3.2	0	0/3											461	460	459	458	
112	K ₁ FoH _{15.6V} q _{.1} +ORB+TC ₅ +AT _{38.3}	△	0	-3.2	0	0/3											465	464	463	462	
113		2	△	-3.2	0	0/3											470	469	468	467	466
114		6	△	-3.2	0	0/3											475	474	473	472	471
115		8	△	-3.2	0	0/3											484	479	478	477	476
116		△	0	+1	0	0/3											483	482	481	480	
117		△	0	-2	0	0/3											488	487	486	485	
118		6	△	-2	0	0/3											493	492	491	490	489
119		△	0	-2	0	10/1											498	497	496	495	494
120		△	0	-2	0	10/13											502	501	500	499	
121		6	△	-2	10/10	0/3											506	505	504	503	
122		2	△	-2	10/10	0/3											509	510	508	507	
123		8	△	-2	10/10	0/3											514	513	512	511	
124	Y	6	△	-2	10/10	0/3											518	517	516	515	
125	K ₁ FoH _{15.1AV} q _{.1} +ORB+TC ₅ +AT _{39.3}	△	0	-2	0/0	0/3											525	524	523	522	
126	K ₁ FoH _{15.6V} q _{.1} +ORB+AT _{38.3} +N ₂₈ +N ₂₄	△	0	-2	0/0	0/3	Y	Y	Y	Y							529	528	527	526	
1	7	13	19	25	31	37	43	49	55	61	67	73	79	85	91	97	103	109	115	121	127
COEFFICIENTS												MACH NUMBERS									
α OR β		_____										_____									
SCHEDULES		_____										_____									

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TEST RUN NUMBERS

TABLE III. - MODEL DIMENSIONAL DATA

a. Carrier Model

MODEL COMPONENT: B_{27.8}

GENERAL DESCRIPTION: BODY, 747 Project with A.P.V. exit.

MODEL SCALE: 0.03

DRAWING NUMBER: 65-69716

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length, in.	<u>2702</u>	<u>81.06</u>
Max. Width, in.	<u>255</u>	<u>7.65</u>
Max. Depth	_____	_____
Fineness Ratio		
Area		
Max. Cross-Sectional	_____	_____
Planform	_____	_____
Wetted, ft ²	<u>424</u>	<u>.3816</u>
Base	_____	_____

TABLE IIIa.- Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT F₀

GENERAL DESCRIPTION Clean Wing

Flaps up

DRAWING NUMBER _____

DIMENSIONS	FULL SCALE	MODEL SCALE
Area	_____	_____
Span (equivalent)	_____	_____
Inb'd equivalent chord	_____	_____
Outb'd equivalent chord	_____	_____
Ratio movable surface chord/ total surface chord	_____	_____
At Inb'd equiv chord	_____	_____
At Outb'd equiv. chord	_____	_____
Sweep Back Angles, degrees	_____	_____
Leading Edge	_____	_____
Trailing Edge	_____	_____
Hingeline	_____	_____
Area Moment (Normal to hinge line)	_____	_____

TABLE IIIa. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT F²⁰_{8.1}

GENERAL DESCRIPTION Flap inboard
deflected 20°

DRAWING NUMBER 5.0. 1319-4 thru - 10 & -38

DIMENSIONS	FULL SCALE	MODEL SCALE
Area	_____	_____
Span (equivalent)	_____	WBL 3.854 to WBL 13.351
Inb'd equivalent chord	_____	_____
Outb'd equivalent chord	_____	_____
Ratio movable surface chord/ total surface chord	_____	_____
At Inb'd equiv chord	_____	_____
At Outb'd equiv. chord	_____	_____
Sweep Back Angles, degrees	_____	_____
Leading Edge	_____	_____
Trailing Edge	_____	_____
Hingeline	_____	_____
Area Moment (Normal to hinge line)	_____	_____

TABLE IIIa. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT F²⁰_{8.2}

GENERAL DESCRIPTION Flap, Outbd deflected 20°

DRAWING NUMBER 5.0 1319-20 thru -25 & -42

DIMENSIONS	FULL SCALE	MODEL SCALE
Area	_____	_____
Span (equivalent)	_____	WBL 15.450 to WBL 24.660
Inb'd equivalent chord	_____	_____
Outb'd equivalent chord	_____	_____
Ratio movable surface chord/ total surface chord	_____	_____
At Inb'd equiv chord	_____	_____
At Outb'd equiv. chord	_____	_____
Sweep Back Angles, degrees	_____	_____
Leading Edge	_____	_____
Trailing Edge	_____	_____
Hingeline	_____	_____
Area Moment (Normal to hinge line)	_____	_____

TABLE IIIa. - Continued.

MODEL COMPONENT: Horizontal Tail - H15.1A

GENERAL DESCRIPTION: Swept Horizontal Tail With
Planform Radius Fillet at L.E. - Body Intersection.

MODEL SCALE= 0.03

DRAWING NUMBER: 65-66630, 69-49180, 1007-477

<u>DIMENSIONS:</u>	<u>Full Scale</u>	<u>Model Scale</u>
<u>EXPOSED DATA (one side)</u>		
Area- ft ²	<u>736</u>	<u>0.6625</u>
Span- in.	<u>436.5</u>	<u>13.095</u>
Aspect Ratio	<u> </u>	<u> </u>
Taper Ratio	<u> </u>	<u> </u>
Dihedral Angle-deg.	<u>7</u>	<u>7</u>
Incidence Angle-deg.	<u> </u>	<u> </u>
Sweep Back Angle-deg. L. E.	<u>43.08</u>	<u>43.08</u>
Chords-in.		
Root	<u>388</u>	<u>11.64</u>
Tip	<u>97</u>	<u>2.91</u>
MAC	<u> </u>	<u> </u>
Apex Location-in.		
X ₀	<u> </u>	<u> </u>
Y ₀	<u> </u>	<u> </u>
Z ₀	<u> </u>	<u> </u>
.25 MAC Location-in.		
X _C Station	<u>2564</u>	<u>76.920</u>
Y ₀	<u> </u>	<u> </u>
Z ₀	<u> </u>	<u> </u>

TABLE IIIa. - Continued.

MODEL COMPONENT: Horizontal Tail H15.6

GENERAL DESCRIPTION: Horizontal tail with vertical fins
on each tip at body B.L. 12.82

MODEL SCALE: 0.03

DRAWING NUMBER: _____

<u>DIMENSIONS:</u>	<u>Full Scale</u>	<u>Model Scale</u>
<u>Exposed Data (one side)</u>		
Area - ft ²	<u>200</u>	<u>0.18</u>
Span - in.	_____	_____
Aspect Ratio	_____	_____
Taper Ratio	_____	_____
Dihedral Angle-deg.	_____	_____
Incidence Angle-deg.	_____	_____
Sweep Back Angle-deg.	_____	_____
Chords - in.		

TABLE IIIa. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT ⁶⁰
J11.10.2

GENERAL DESCRIPTION Middle L.E. Slat deflected 60°

 Model Scale: 0.03

DRAWING NUMBER 5.0.1319-26, & -44

DIMENSIONS	FULL SCALE	MODEL SCALE
Area		
From WBL 15.389 to MAC Strut		
Span (equivalent), in.	<u> 434 </u>	<u> 13.022 </u>
Inb'd equivalent chord		
Chord	<u> 31.6 </u>	<u> .948 </u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord		
At Outb'd equiv. chord		
Sweep Back Angles, degrees		
Leading Edge		
Trailing Edge		
Hingeline		
Area Moment (Normal to hinge line)		

TABLE IIIa.- Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT J⁵⁰13.8.1

GENERAL DESCRIPTION Outboard L.E. Slat deflected 50°

Model Scale: 0.03

DRAWING NUMBER 5.0 1319-26 & -44

DIMENSIONS	FULL SCALE	MODEL SCALE
Area (From WBL 26.374)		
Span (equivalent), in	360.5	10.814
Inb'd equivalent chord		
Outb'd equivalent chord, in	24.1	.722
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord		
At Outb'd equiv. chord		
Sweep Back Angles, degrees		
Leading Edge		
Trailing Edge		
Hingeline		
Area Moment (Normal to hinge line)		

TABLE IIIa. - Continued.

MODEL COMPONENT: ⁷⁰L9.8.3 _____
 GENERAL DESCRIPTION: Inboard Leading edge Krueger flap, deflected 70°
 Model Scale: 0.03
 Drawing NUMBER: 5.0. 1319-26 -44

DIMENSIONS:	<u>Full Scale</u>	<u>Model Scale</u>
Span from WBL 7.322 to Nacelle Strut, in	<u>304.8</u>	<u>9.144</u>
Inb'd equivalent chord, in	<u>315.3</u>	<u>9.46</u>

TABLE IIIa. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT: M₂₅

GENERAL DESCRIPTION: Inboard 747, J_{79D} Nacelle
strut

Model Scale: 0.03

DRAWING NUMBER _____

DIMENSIONS :	FULL SCALE	MODEL SCALE
Wing B.L. of nacelle ξ , in.	<u>470.0</u>	<u>14.100</u>
Cont angle, deg. inboard	<u>2</u>	<u>2</u>

TABLE IIIa. - Continued.

MODEL COMPONENT: M_{26.8}

GENERAL DESCRIPTION: Outboard 747, & J₁T9D Nacelle

Strut

Model Scale: 0.03

DRAWING NUMBER 937-590

TABLE IIIa. - Continued.

MODEL DIMENSIONAL DATA

MODEL COMPONENT: N₅₇
GENERAL DESCRIPTION Inboard Fan Cowl and Primary
747 Nacelle, flow thru type
Model Scale: 0.03
DRAWING NUMBER 5.0 1007-96, 97

TABLE IIIa. - Continued.
MODEL DIMENSIONAL DATA

MODEL COMPONENT: N₅₈
GENERAL DESCRIPTION: Outboard fan cowl and primary
747 Nacelle, flow thru type
Model Scale: 0.03
DRAWING NUMBER 5.0. 1.007-96, -97

TABLE IIIa. - Continued.

MODEL COMPONENT: SPOILERS - S₁₋₁₂

GENERAL DESCRIPTION: Multi-panel flight spoilers. Four outboard and two inboard spoilers per side. Subscript denotes spoiler panel S₁ is the most outboard L.H. panel and S₁₂ is most outboard R.H. panel.

747 MODEL SCALE: 0.030 MODEL: 1065

DRAWING NO.: 65-71450, S. O. 1065-51, -59, -81, -173

DIMENSIONS: (one panel)	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Outboard S ₁₋₄ and S ₉₋₁₂ (Ft ²)	<u>21.48</u>	<u>0.0193</u>
Span (equivalent), in.	<u>6.25</u>	<u>0.1875</u>
Chord, in.	<u>3.44</u>	<u>0.1032</u>
Inboard S ₅₋₆ and S ₇₋₈ (Ft ²)	<u>35.31</u>	<u>0.0318</u>
Span (equivalent), in.	<u>7.50</u>	<u>0.225</u>
Chord, in.	<u>4.71</u>	<u>0.1413</u>

TABLE IIIa. - Continued.

MODEL COMPONENT: T₁₉

GENERAL DESCRIPTION: Flap track fairings,
4 on each side.

Model Scale: 0.03

DRAWING NUMBER 5.0. 1007-403

DIMENSIONS :	<u>Full Scale</u>	<u>Model Scale</u>
WBL of Track no. 1, in.	<u>235.3</u>	<u>7.06</u>
WBL of Track no. 2, in.	<u>353.</u>	<u>10.59</u>
WBL of Track no. 3, in.	<u>652.</u>	<u>19.56</u>
WBL of Track no. 4, in.	<u>743.6</u>	<u>22.31</u>
Distance from wing trailing edge to track trailing edge, in.	<u>50.</u>	<u>1.5</u>

TABLE IIIa. - Continued.

MODEL COMPONENT: V_{9.1}

GENERAL DESCRIPTION: Swept Vertical Tail

Model Scale: 0.03

DRAWING NUMBER: 65-6.9716; 1007-26, -610; 937-319

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL DATA		
Area (Theo)- Ft ²	<u>830</u>	<u>.7470</u>
Planform	<u> </u>	<u> </u>
Span (Theo) - In.	<u>386.5</u>	<u>11.595</u>
Aspect Ratio	<u> </u>	<u> </u>
Rate of Taper	<u> </u>	<u> </u>
Taper Ratio	<u> </u>	<u> </u>
Sweep-Back Angles, Degrees	<u> </u>	<u> </u>
Leading Edge	<u>50.12</u>	<u>50.12</u>
Trailing Edge	<u> </u>	<u> </u>
0.25 Element Line	<u> </u>	<u> </u>
Chords:	<u> </u>	<u> </u>
Root (Theo) WP-in.	<u>461.67</u>	<u>13.85</u>
Tip (Theo) WP-in.	<u>157</u>	<u>4.71</u>
MAC	<u> </u>	<u> </u>
Fus. Sta. of .25 MAC	<u>2529.6</u>	<u>75.888</u>
W. P. of .25 MAC	<u> </u>	<u> </u>
B.L. of .25 MAC	<u> </u>	<u> </u>
Airfoil Section	<u> </u>	<u> </u>
Leading Wedge Angle-Deg.	<u> </u>	<u> </u>
Trailing Wedge Angle-Deg.	<u> </u>	<u> </u>
Leading Edge Radius	<u> </u>	<u> </u>
Void Area	<u> </u>	<u> </u>
Blanketed Area	<u> </u>	<u> </u>

TABLE IIIa. - Concluded.

MODEL COMPONENT: WING - W_{44.1}

GENERAL DESCRIPTION: Swept 747 Wing

MODEL SCALE: 0.03

DWG. NO.: 65-89585

<u>DIMENSIONS:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
TOTAL		
Area (Theo.) Ft ²	5500	4.95
Planform	2348	70.44
Span (Theo. In.)	6.96	6.96
Aspect Ratio		
Rate of Taper		
Taper Ratio	7	7
Dihedral Angle, degrees		
Incidence Angle, degrees		
Aerodynamic Twist, degrees		
Swept Back Angles, degrees		
Leading Edge		
Trailing Edge		
0.25 Element Line		
Chords:		
Root (Theo) B.P.O.O.		
Tip, (Theo) B.P.		
MAC	327.8	9.834
Fus. Sta. of .25 MAC	1339.91	40.197
W. P. of .25 MAC	190.75	5.7225
B. L. of .25 MAC		

TABLE III. MODEL DIMENSIONAL DATA

b. Orbiter Model

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₈

GENERAL DESCRIPTION: Orbiter forward attachment struts.

MODEL SCALE: 0.030

DRAWING NO.: Boeing 1319-43

DIMENSIONS:

HEIGHT OF ACTUATOR RED TIP ABOVE
STRUT UPPER JUNCTION, IN.

<u>SYMBOL</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
AT ₃₈	15.5	0.465
AT _{38.1.}	91.67	2.75
AT _{38.2}	75.00	2.25
AT _{38.2A}	75.0	2.25
AT _{38.3}	ROD REMOVED	ROD REMOVED

TABLE IIIb. (Continued)

MODEL COMPONENT: ATTACH STRUCTURE - AT₃₉

GENERAL DESCRIPTION: Orbiter aft attachment, pitch adjustable from 0 to 10 deg.

MODEL SCALE: 0.030

DRAWING NO.: Boeing 50 1319-37.

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Pivot location:		
In., X _C	400.0	12.0
In., Z _C	160.7	4.821
Equivalent Span: (At 0 deg iorb)		
Centerline orbiter, in.	521.0	15.63

TABLE IIIb. (Continued)

MODEL COMPONENT · BODY - B26

GENERAL DESCRIPTION · Configuration 140A/B orbiter fuselage.

NOTE: B26 is identical to B24, except underside of fuselage has been
refaired to accept W116.

MODEL SCALE: 0.030

DRAWING NUMBER · VL70-000143B -000200, -000205, -006089, -000145,
-000140A -000140B

DIMENSIONS ·	FULL SCALE	MODEL SCALE
Length (OML: Fwd Sta. $X_o=235$) In.	<u>1293.3</u>	<u>38.799</u>
Length (IML: Fwd Sta. $X_o=238$) In.	<u>1290.3</u>	<u>38.709</u>
Max Width (@ $X_o = 1528.3$) In.	<u>264.00</u>	<u>7.920</u>
Max Depth (@ $X_o = 1464$) In.	<u>250.00</u>	<u>7.500</u>
Fineness Ratio	<u>0.264</u>	<u>0.264</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>340.88</u>	<u>0.3068</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE IIIb. (Continued)

MODEL COMPONENT : OMS POD - M16

GENERAL DESCRIPTION : Configuration 140C orbiter OMS pod - short pod.

MODEL SCALE: 0.030

DRAWING NUMBER . VL70-008401, -008410

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length (OMS Fwd Sta. $X_0=1310.5$) In.	<u>258.50</u>	<u>7.755</u>
Max Width (@ $X_0 = 1511$), In.	<u>136.8</u>	<u>4.104</u>
Max Depth (@ $X = 1511$), In.	<u>74.70</u>	<u>2.241</u>
Fineness Ratio	<u>2.484</u>	<u>2.484</u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u>58.864</u>	<u>0.053</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE IIIb. (Continued)

MODEL COMPONENT: MPS NOZZLES - N₂₄

GENERAL DESCRIPTION: Configuration 140A/B Orbiter MPS Nozzles

MODEL SCALE: 0.030

MODEL DWG: SS-A00147, Release 12

DRAWING NUMBER: VL70-005030A, -000140A

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In.		
Gimbal Point to Exit Plane	<u>157.0</u>	<u>4.71</u>
Throat to Exit Plane	<u>99.2</u>	<u>2.976</u>
Diameter - In.		
Exit	<u>91.000</u>	<u>2.73</u>
Throat	<u> </u>	<u> </u>
Inlet	<u> </u>	<u> </u>
Area - ft ²		
Exit	<u>45.166</u>	<u>0.0407</u>
Throat	<u> </u>	<u> </u>
Gimbal Point (Station) - In.		
Upper Nozzle		
X	<u>1445.00</u>	<u>43.35</u>
Y	<u>0.0</u>	<u>0.0</u>
Z	<u>443.00</u>	<u>13.29</u>
Lower Nozzles		
X	<u>1468.170</u>	<u>44.045</u>
Y	<u>+ 53.000 +</u>	<u>1.59</u>
Z	<u>342.640</u>	<u>10.279</u>
Null Position - Deg.		
Upper Nozzle		
Pitch	<u>16</u>	<u>16</u>
Yaw	<u>0</u>	<u>0</u>
Lower Nozzle		
Pitch	<u>10</u>	<u>10</u>
Yaw	<u>3.5</u>	<u>3.5</u>

TABLE IIIb. (Continued)

MODEL COMPONENT: OMS NOZZLES - N28

GENERAL DESCRIPTION: Configuration 140A/B Orbiter OMS Nozzles

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140A (Location), SS-A00106, Release 5 (Contour)

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length - In.		
Gimbal Point to Exit Plane	_____	_____
Throat to Exit Plane	_____	_____
Diameter - In.		
Exit	_____	_____
Throat	_____	_____
Inlet	_____	_____
Area - ft ²		
Exit Max. Cross-Sectional (1 nozzle)	_____	_____
Throat	_____	_____
Gimbal Point (Station) - In.		
Left Upper Nozzle		
X ₀	<u>1518.0</u>	<u>45.54</u>
Y ₀	<u>-88.0</u>	<u>- 2.64</u>
Z ₀	<u>492.0</u>	<u>14.76</u>
Right Lower Nozzles		
X ₀	<u>1518.0</u>	<u>45.54</u>
Y ₀	<u>88.0</u>	<u>2.64</u>
Z ₀	<u>492.0</u>	<u>14.76</u>
Null Position - Deg.		
Left Upper Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>
Right Lower Nozzle		
Pitch	<u>15°49'</u>	<u>15°49'</u>
Yaw	<u>12°17'</u>	<u>12°17'</u>

TABLE IIIb. (Continued)

MODEL COMPONENT: RUDDER - R₅

GENERAL DESCRIPTION: Configuration 140C orbiter rudder (identical to
Configuration 140A/B rudder)

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000146B. -000095

<u>DIMENSIONS:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>100.15</u>	<u>0.090</u>
Span (equivalent), In.	<u>201.00</u>	<u>6.030</u>
Inb'd equivalent chord, In.	<u>91.585</u>	<u>2.748</u>
Outb'd equivalent chord, In.	<u>50.833</u>	<u>1.525</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
(Product of larea & \bar{c})		
Area Moment (Normal to hingeline) Ft. ³	<u>610.92</u>	<u>0.165</u>
Mean Aerodynamic Chord, In.	<u>73.2</u>	<u>2.196</u>

TABLE IIIb. (Continued)

MODEL COMPONENT : TAIL CONE - TC₅

GENERAL DESCRIPTION . Fairing mounted on orbiter fuselage base for
ferry missions.

MODEL SCALE: 0.030

DRAWING NUMBER Boeing Drawing 1319-71.

DIMENSIONS	FULL SCALE	MODEL SCALE
Length , in.	<u>445.83</u>	<u>13.375</u>
Max Width, in.	<u>303.33</u>	<u>9.10</u>
Max Height, in.	<u>265.00</u>	<u>7.95</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²		
Projected frontal area	<u>324.105</u>	<u>0.2917</u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE IIIb. (Continued)

MODEL COMPONENT: VERTICAL - V_g

GENERAL DESCRIPTION: Configuration 140C orbiter vertical tail (identical to configuration 140A/B vertical tail).

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000140C -000146B

DIMENSIONS: FULL SCALE MODEL SCALE

TOTAL DATA

Area (Theo) - Ft ²		
Planform	<u>413.243</u>	<u>0.372</u>
Span (Theo) - In.	<u>315.72</u>	<u>9.472</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>41.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>8.055</u>
Tip (Theo) WP	<u>108.47</u>	<u>3.254</u>
MAC	<u>199.81</u>	<u>5.994</u>
Fus. Sta. of .25 MAC	<u>1463.35</u>	<u>43.901</u>
W.P. of .25 MAC	<u>635.52</u>	<u>19.066</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.060</u>
Void Area - Ft ²	<u>13.17</u>	<u>0.</u>
Blanketed Area - Ft ²	<u>0.0</u>	<u>0.0</u>

TABLE IIIb. (Continued)

MODEL COMPONENT: <u>WING-W 116</u>		
GENERAL DESCRIPTION: <u>Configuration 4</u>		
NOTE: <u>Identical to W114, except airfoil thickness. Dihedral angle is along trailing edge of wing.</u>		
MODEL SCALE: <u>0.030</u>		
TEST NO.	DWG. NO. <u>VL70-000140A, -000200</u>	
<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.) Ft ²	2690.00	2.421
Planform	936.68	28.10
Span (Theo) In.	2.265	2.265
Aspect Ratio	1.177	1.177
Rate of Taper	0.200	0.200
Taper Ratio	3.500	3.500
Dihedral Angle, degrees	0.500	0.500
Incidence Angle, degrees	3.000	3.000
Aerodynamic Twist, degrees		
Sweep Back Angles, degrees	45.000	45.000
Leading Edge	- 10.056	- 10.056
Trailing Edge	35.209	35.209
0.25 Element Line		
Chords:		
Root (Theo) B.P.O.O.	689.24	20.677
Tip, (Theo) B.P.	137.85	4.136
MAC	474.81	14.244
Fus. Sta. of .25 MAC	1136.83	34.105
W.P. of .25 MAC	290.58	8.717
B.L. of .25 MAC	182.13	5.464
<u>EXPOSED DATA</u>		
Area (Theo) Ft ²	1751.50	1.576
Span, (Theo) In. BP108	720.68	21.620
Aspect Ratio	2.059	2.059
Taper Ratio	0.245	0.245
Chords		
Root BP108	562.09	16.863
Tip $1.00 \frac{b}{2}$	137.85	4.136
MAC	392.83	11.785
Fus. Sta. of .25 MAC	1185.98	35.579
W.P. of .25 MAC	294.30	8.829
B.L. of .25 MAC	251.77	7.553
Airfoil Section (Rockwell Mod NASA)		
XXXX-64		
Root $\frac{b}{2} =$	0.113	0.113
Tip $\frac{b}{2} =$	0.120	0.120
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft ²	113.18	0.102
Leading Edge Intersects Fus M. L. @ Sta	500.00	15.00
Leading Edge Intersects Wing @ Sta	1024.00	30.72

TABLE IIIb. (Continued)

MODEL COMPONENT: SLOTTED ELEVON (6 -INCH GAP) - E_{11h}

GENERAL DESCRIPTION: Configuration 140A/B Orbiter elevon.

NOTE: E_{11h} is a slotted version of E₂₆. Data are for one side.

MODEL SCALE: 0.030

DRAWING NUMBER: VL70-000200 -006089, -006092

<u>DIMENSIONS:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>210.0</u>	<u>0.189</u>
Span (equivalent) . In.	<u>349.2</u>	<u>10.476</u>
Inb'd equivalent chord In.	<u>118.004</u>	<u>3.540</u>
Outb'd equivalent chord . In.	<u>55.192</u>	<u>1.656</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>- 10.056</u>	<u>- 10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Product of area and \bar{c}) (Normal to hinge-line) . Ft ³	<u>1587.25</u>	<u>0.043</u>
Mean Aerodynamic Chord, In.	<u>90.7</u>	<u>2.721</u>

TABLE IIIb. (Continued)

MODEL COMPONENT : CANOPY - C9

GENERAL DESCRIPTION . Configuration 3A. Canopy used with fuselage

B26.

MODEL SCALE: 0.030 MODEL DWG: SS-A00147, Release 12

DRAWING NUMBER . VL70-000143A

DIMENSIONS	FULL SCALE	MODEL SCALE
Length ($X_0 = 434.643$ to 578), In.	<u>143.357</u>	<u>4.301</u>
Max Width (@ $X_0 = 513.127$) In.	<u>152.412</u>	<u>4.572</u>
Max Depth (@ $X_0 = 485.0$), In.	<u>25.00</u>	<u>0.750</u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE IIIb. (Concluded)

MODEL COMPONENT : BODY FLAP - F_g

GENERAL DESCRIPTION . Configuration 140A/B orbiter body flap

Hingeline located at X_o = 1528.3, Z_o = 284.3

MODEL SCALE: 0.030 MODEL DWG: SS-A00147. Release 12

DRAWING NUMBER . VL70-000140A, -000145

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length (X _o =1520 to X _o =1613) In.	<u>93.00</u>	<u>2.79</u>
Max Width (In.)	<u>262.0</u>	<u>7.86</u>
Max Depth (@ X _o = 1520), In.	<u>23.00</u>	<u>0.69</u>
Fineness Ratio	<u> </u>	<u> </u>
Area - Ft ²	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>150.525</u>	<u>0.135</u>
Wetted	<u> </u>	<u> </u>
Base	<u>41.847</u>	<u>0.038</u>

TABLE IV. - CA5 DATASET DESCRIPTION

DATASET TYPE	DESCRIPTION
RGMXXX	Main balance data which have been corrected for main balance mounting system tares and contain wall corrections.
AGMXXX	Orbiter (internal) balance "basic" data which contains "standard" wind tunnel corrections including a wall correction.
BGMXXX	Main balance data (corrected for main balance mounting system tares) <u>minus</u> orbiter (internal) balance "basic" data (RGMXXX-AGMXXX).
RGMCXX	Main balance mounting system tare data.

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

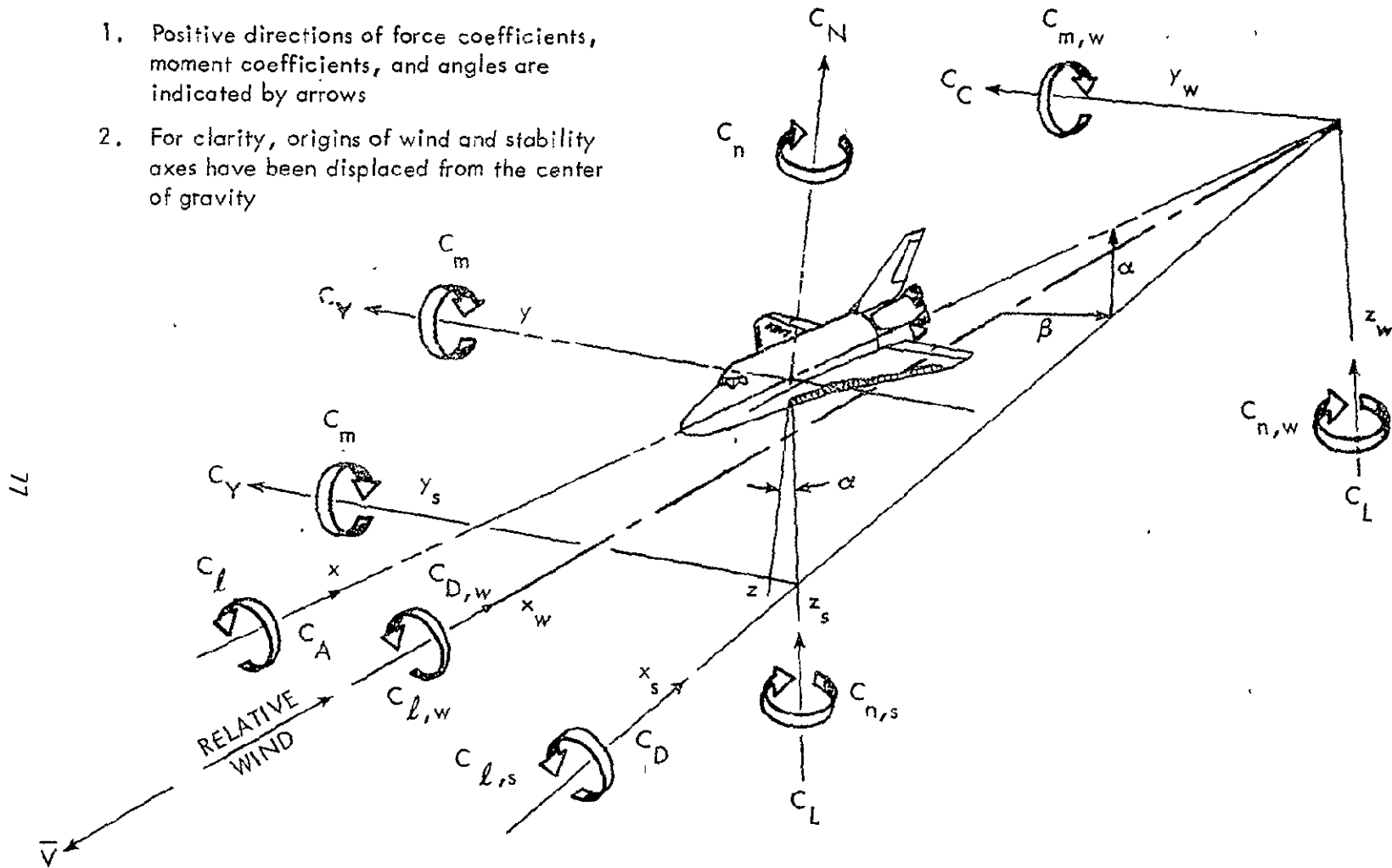
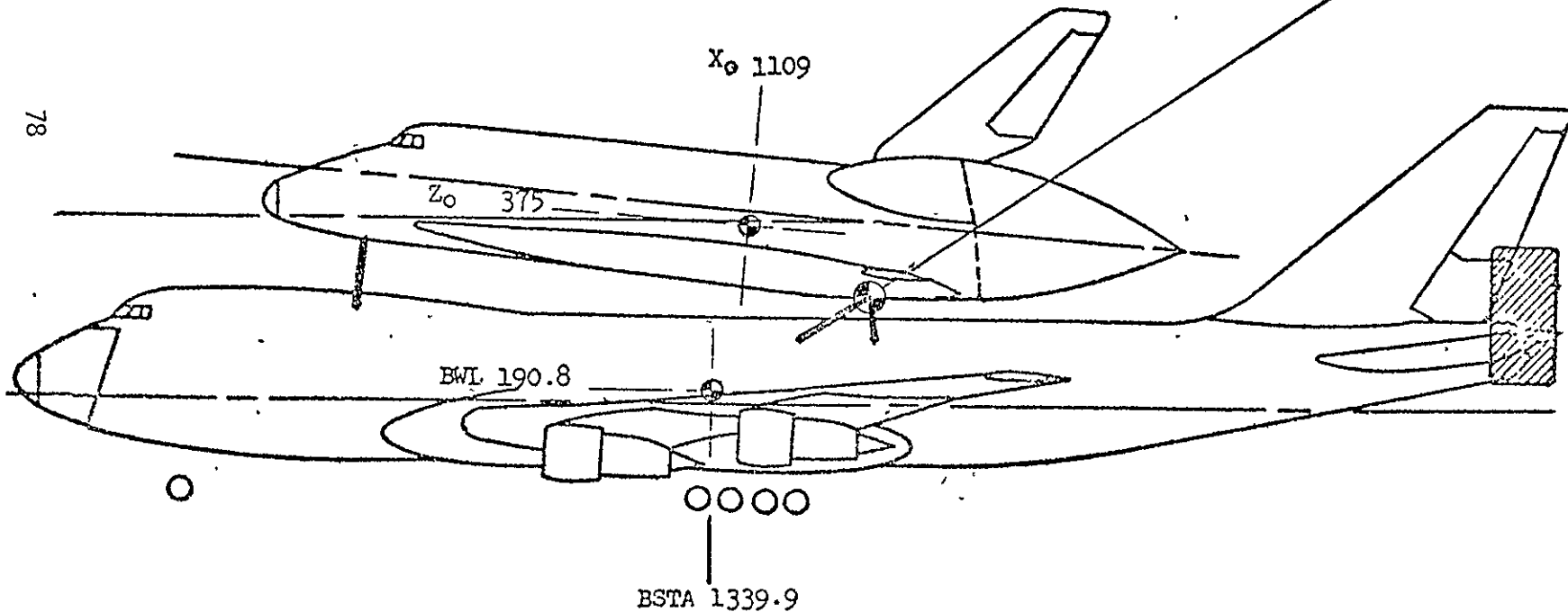


Figure A. - Axis systems.

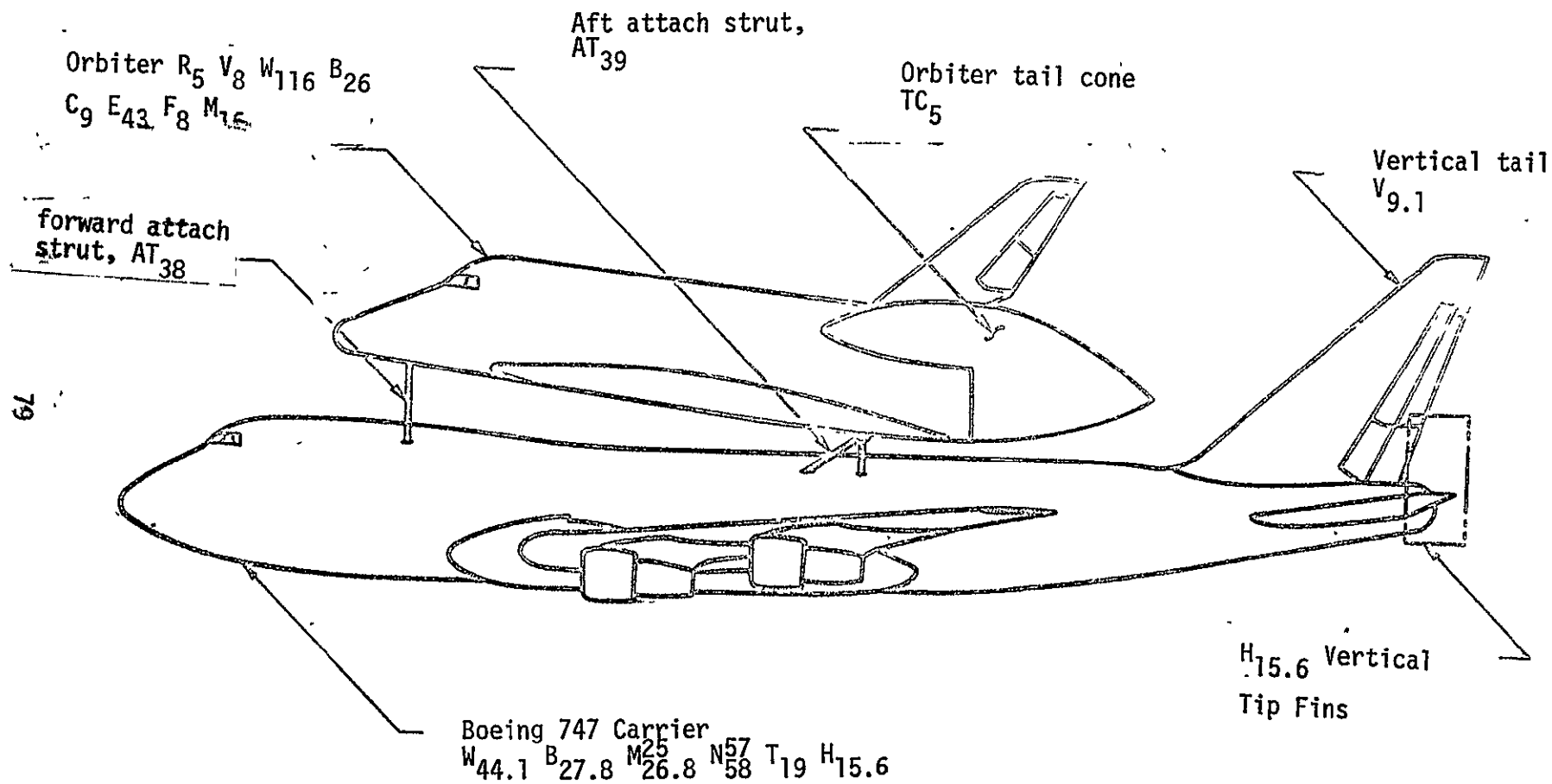
REFERENCE DIMENSIONS (FS)

	ORBITER	747 CARRIER
WING AREA ~ Ft ²	2690	5500
MAC (\bar{c}) ~ INCHES	474.81	327.78
SPAN (b) ~ INCHES	936.68	2348.04
MOMENT REFERENCE CENTER	67.5% LB	25.0 % \bar{c}
F.S. ~ INCHES	1109.0	1339.9
W.P. ~ INCHES	375.0	190.8

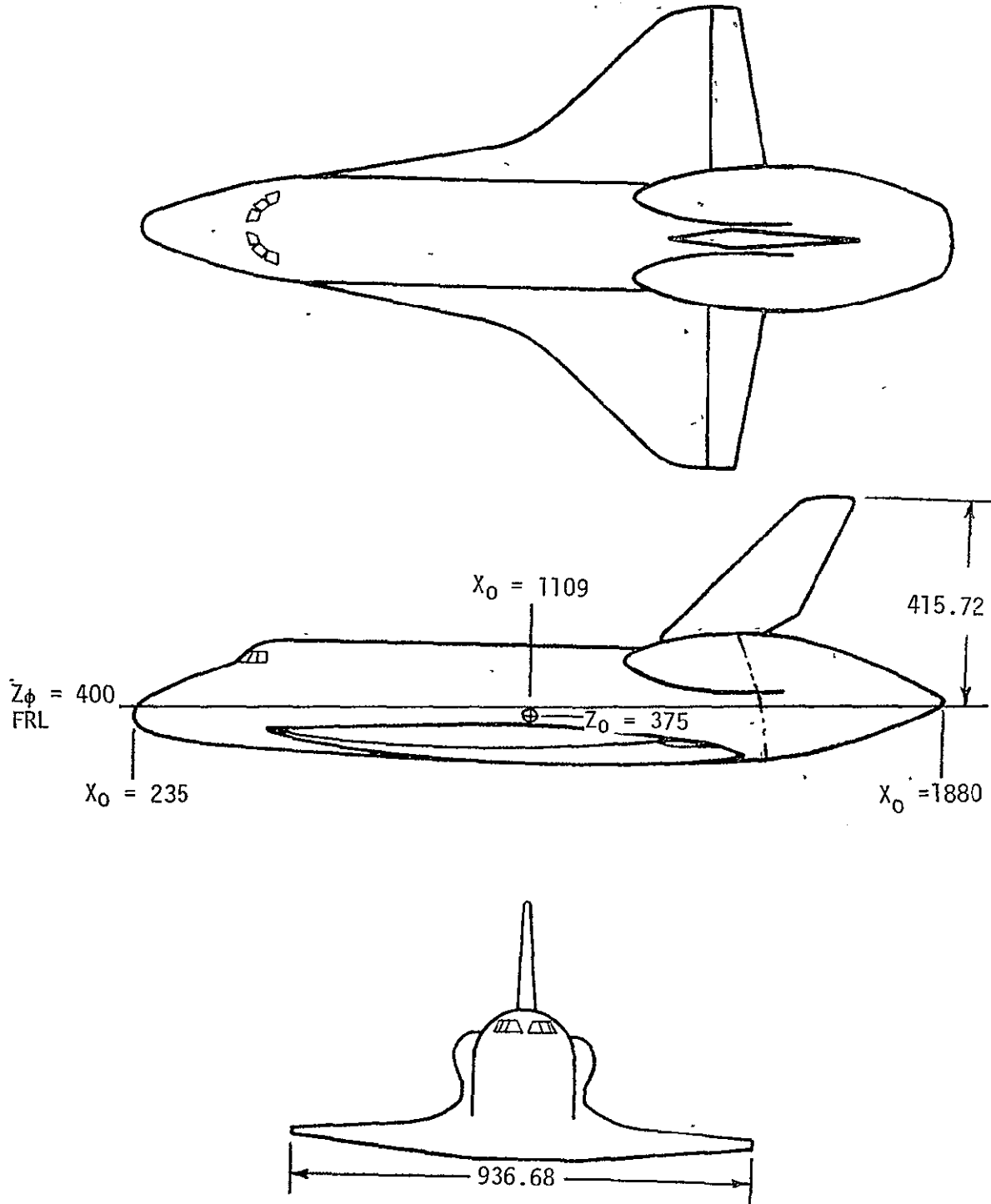
BWL 400 (X_o 96 51)
 (Z_o 267 5)
 BSTA 1607 (X_o 1317)



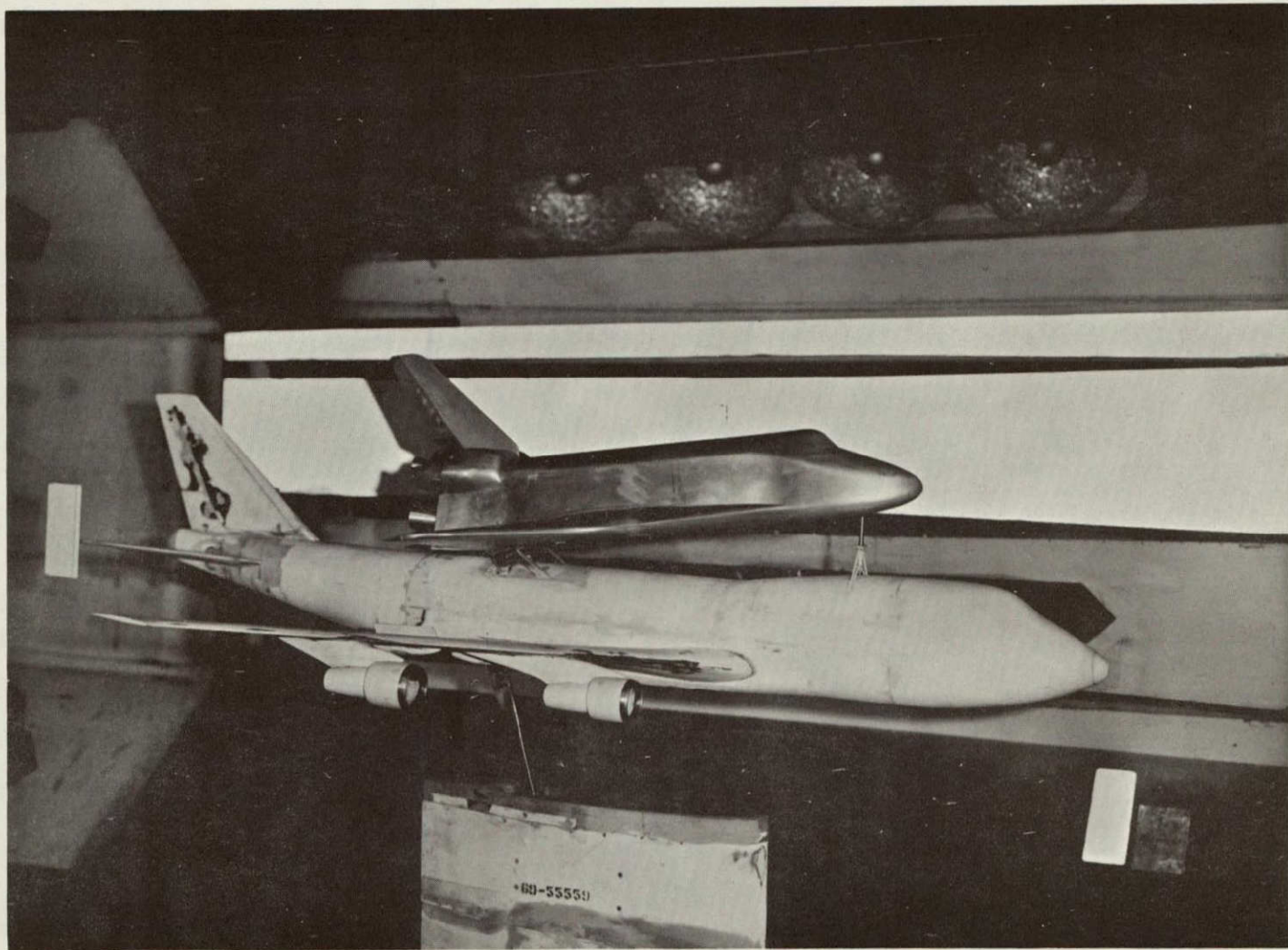
a. Orbiter/747 Flight Test Configuration Reference Dimensions
 Figure B. - Model sketches.



b. Orbiter/Carrier Model Nomenclature
Figure B. - Continued.

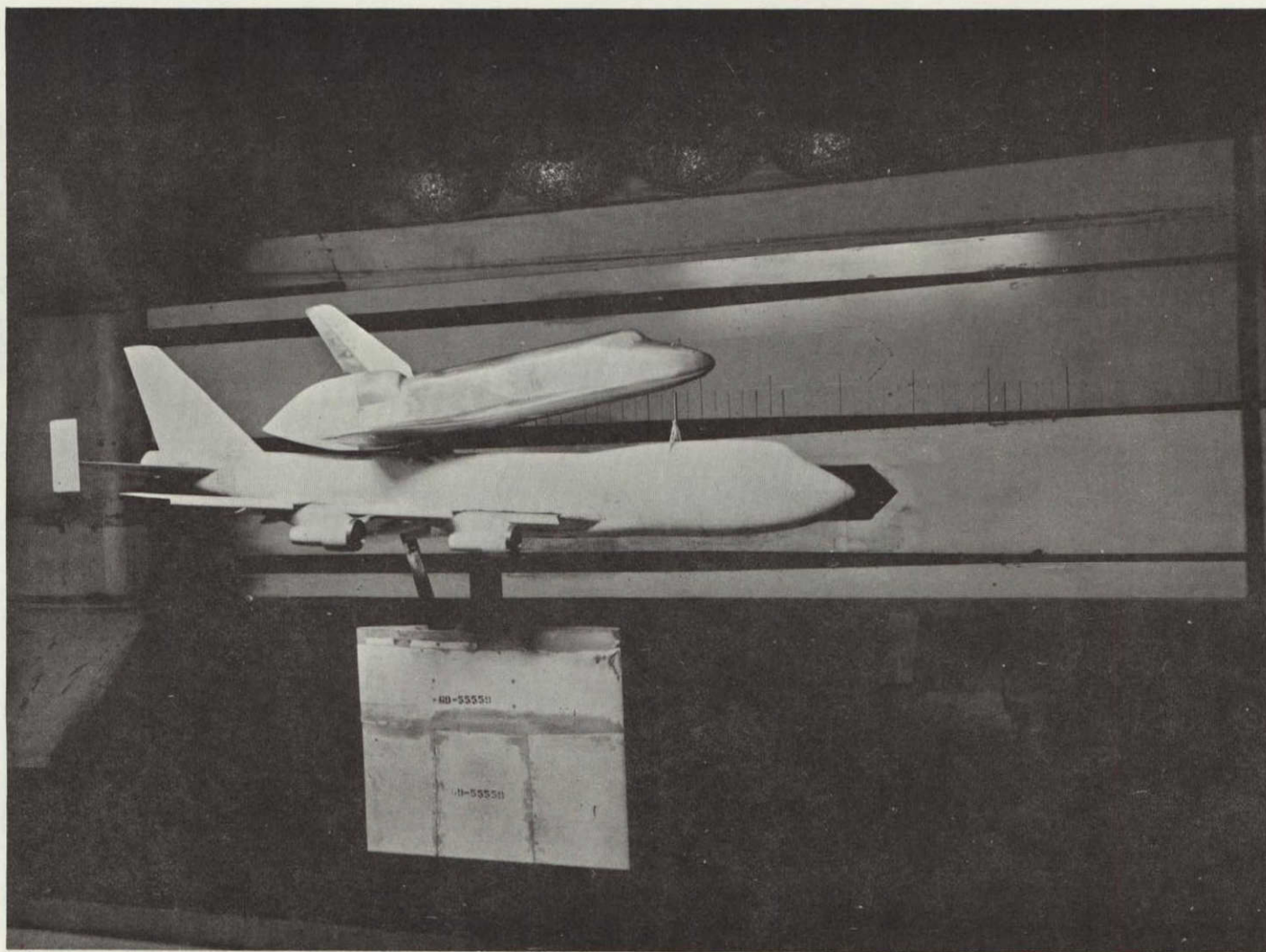


c. Orbiter Configuration
Figure B. - Continued.



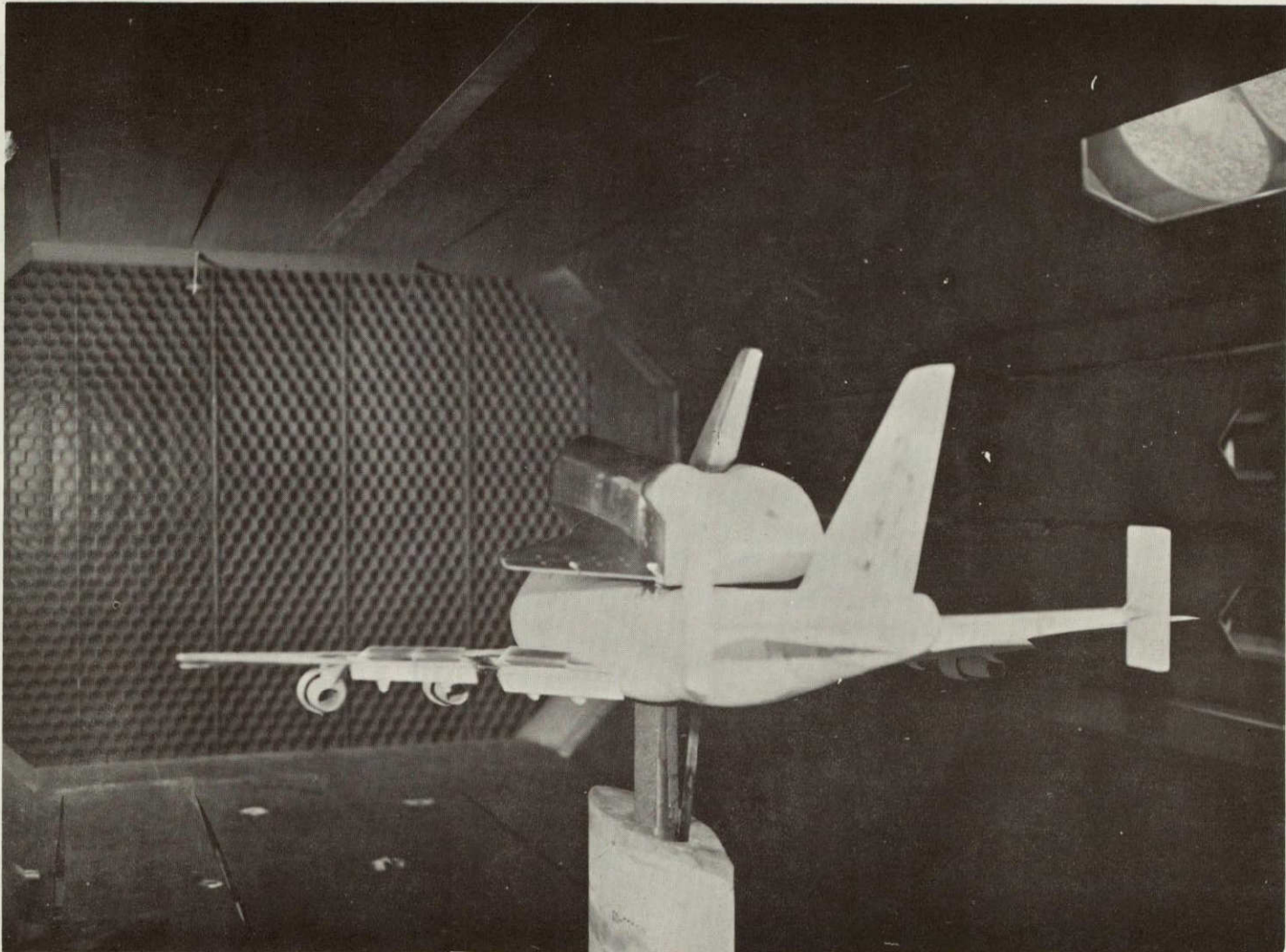
a. Orbiter/Carrier Mated Configuration Side View $i_{ORB} = 8^\circ$,
Orbiter without Tail Cone Fairing

Figure C. - Model photographs.



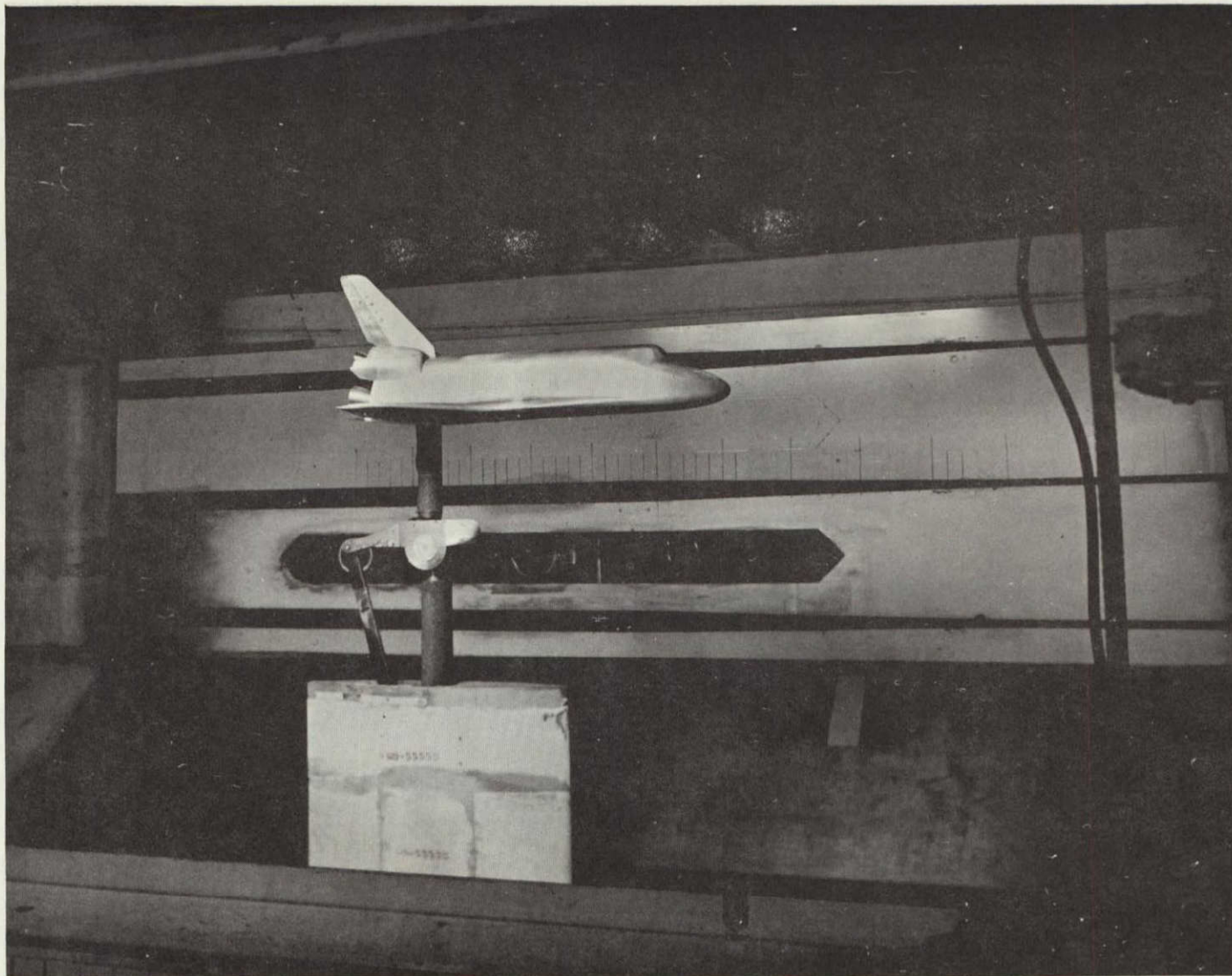
b. Orbiter/Carrier Mated Configuration Side View $i_{ORB} = 10^\circ$,
Orbiter with Tail Cone Fairing

Figure C. - Continued.



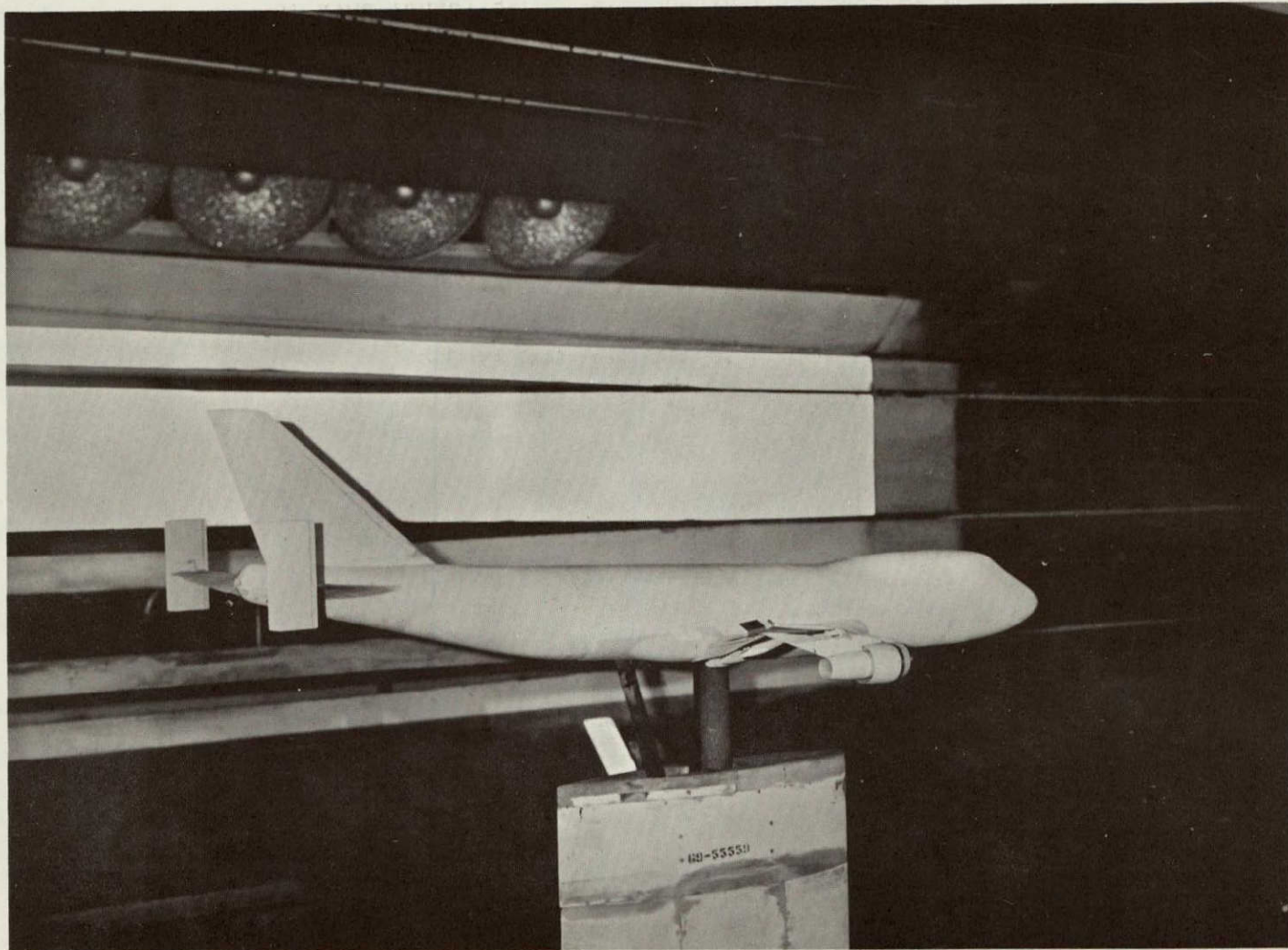
c. Orbiter/Carrier Rear View

Figure C. - Continued.



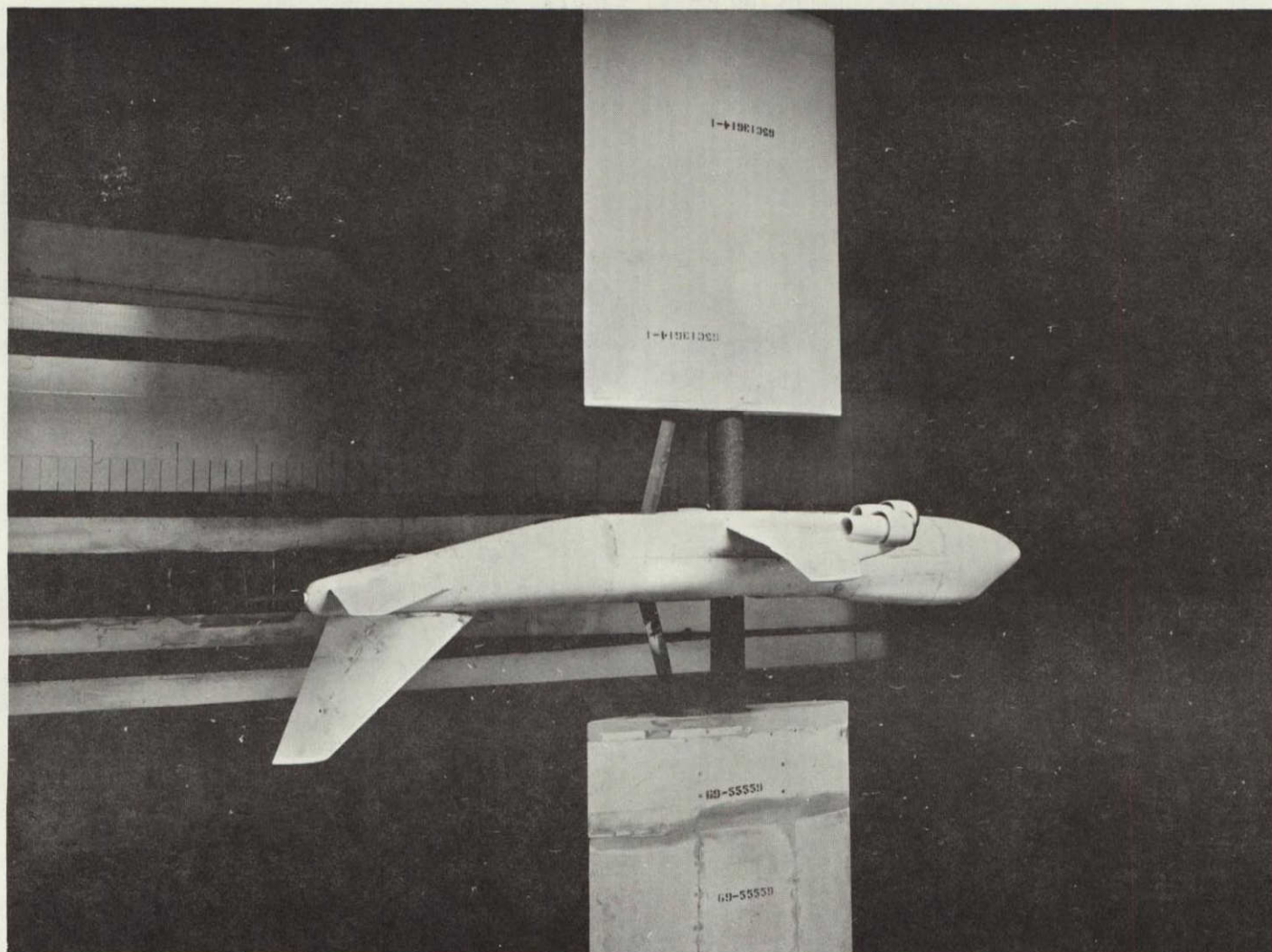
d. Orbiter Alone Installation

Figure C. - Continued.



e. Carrier Alone Installation

Figure C. - Continued.



f. Carrier Inverted with Image Strut for Determination
of Wind Tunnel Strut Tare and Interference Effects

Figure C. - Concluded.

APPENDIX
TABULATED SOURCE DATA

Tabulations of plotted data are available on request from
Data Management Services.

BTWT-1431CAS K1 F0

V9.1

(R0M039) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = 000
 RUD-L = .000 S1-2 = 000
 S3-4 = 000 S5-6 = 000

RUN NO. 194/ 0 RN/L = .95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
150	-2 000	.02710	-.15090	.03510	-.02770	-.00560	.00190	.00060
.150	-1.000	.02420	-.06710	.02980	-.01570	-.00230	.00140	.00040
150	.000	.02390	.02430	.02700	-.01260	-.00210	.00160	.00020
.150	1.000	.02640	.10950	.02540	-.00720	-.00080	.00140	.00020
.150	2.000	.02700	.18800	.02530	.00150	-.00050	.00130	.00020
150	3.000	.02740	.26480	.02620	.01110	-.00130	.00120	-.00020
150	4 000	.02670	.34220	.02780	.01840	-.00210	.00130	-.00040
150	5.000	.02460	.41960	.03020	.02610	-.00250	.00130	-.00040
.150	6 000	.02370	.49530	.03360	.03910	-.00260	.00140	-.00040
.150	7.000	.02190	.57260	.03630	.05120	-.00350	.00130	-.00020
.150	8.000	.02100	.64580	.04510	.06050	-.00540	.00170	.00020
.150	9 000	.02300	.71360	.05570	.07240	-.00670	.00220	.00040
150	10.000	.02920	.77940	.07160	.08780	-.00690	.00200	.00050
.150	11.000	.03280	.84120	.09160	.09900	-.00610	.00170	.00050
.150	12 000	.03110	.89760	.11420	.10420	-.00480	.00190	.00040
	GRADIENT	.00007	.08143	-.00056	.00746	.00030	-.00007	-.00015

RUN NO 193/ 0 RN/L = 1.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.299	-2 000	.02640	-.15550	.03770	-.04080	-.00730	.00140	.00010
.299	-1.000	.02750	-.06560	.03160	-.03090	-.00750	.00170	.00010
.299	.000	.02840	.02170	.02850	-.02080	-.00580	.00130	.00020
.299	1.000	.02810	.10320	.02700	-.01110	-.00460	.00090	.00010
.299	2.000	.03100	.18400	.02660	-.00140	-.00540	.00100	.00000
.299	3 000	.03280	.26390	.02720	.00790	-.00520	.00080	-.00010
.299	4.000	.02840	.34340	.02650	.01540	-.00560	.00080	-.00010
.299	5.000	.02360	.42350	.03110	.02130	-.00640	.00120	-.00020
.299	6 000	.02500	.50420	.03500	.02920	-.00650	.00120	-.00050
.299	7.000	.02510	.58310	.04030	.04120	-.00560	.00110	-.00080
.299	8.000	.02500	.65420	.04700	.05520	-.00610	.00140	-.00060
.299	9.000	.02520	.71830	.05740	.06840	-.00790	.00210	.00020
.299	10.000	.02470	.77840	.07330	.08290	-.00870	.00260	.00040
.299	11.000	.02620	.83700	.09430	.09750	-.00880	.00250	.00010
.299	12.000	.02800	.89620	.11960	.10660	-.00970	.00270	.00030
	GRADIENT	.00001	.08221	-.00078	.00907	.00020	-.00009	-.00005

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BTWT-1431CAS K1 F0

V9.1

(ROM039) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 RUD-U = 000
 RUD-L = .000 S1-2 = 000
 S3-4 = .000 S5-6 = 000

RUN NO. 192/ 0 RN/L = 2.76 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	.02970	-.15850	.03790	-.05620	-.00910	.00160	.00010
.500	-1.000	.02220	-.06510	.03080	-.04990	-.00800	.00160	.00000
.500	.000	.02210	.02620	.02720	-.04060	-.00800	.00160	-.00010
.500	1.000	.02120	.11250	.02570	-.03050	-.00790	.00160	-.00010
.500	2.000	.02350	.19780	.02560	-.01870	-.00780	.00170	-.00010
.500	3.000	.03150	.28140	.02620	-.00770	-.00740	.00150	-.00010
.500	4.000	.02610	.36480	.02760	.00220	-.00690	.00120	-.00010
.500	5.000	.01830	.44940	.03050	.01150	-.00640	.00090	-.00020
.500	6.000	.02120	.53410	.03480	.02150	-.00610	.00090	-.00050
.500	7.000	.02760	.61360	.04160	.03500	-.00620	.00100	-.00050
.500	8.000	.03000	.68490	.05320	.05100	-.00700	.00140	-.00010
.500	9.000	.03060	.74920	.07090	.06450	-.00820	.00190	.00020
.500	10.000	.02910	.81160	.09230	.07310	-.00920	.00220	.00010
.500	11.000	.02870	.87290	.11680	.07720	-.00980	.00260	-.00040
.500	12.000	.03000	.92500	.14370	.07750	-.01000	.00310	-.00060
	GRADIENT	-.00035	.08638	-.00084	.01006	.00031	-.00008	-.00003

RUN NO. 191/ 0 RN/L = 3.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.03600	-.16560	.03760	-.06490	-.00980	.00200	.00020
.600	-1.000	.03490	-.07010	.03040	-.05860	-.00880	.00180	.00000
.600	.000	.03150	.02530	.02620	-.04840	-.00830	.00170	.00000
.600	1.000	.02810	.11540	.02430	-.03750	-.00860	.00190	.00000
.600	2.000	.02480	.20530	.02400	-.02710	-.00850	.00190	.00000
.600	3.000	.02610	.29410	.02480	-.01630	-.00800	.00170	.00000
.600	4.000	.03100	.38240	.02680	-.00560	-.00690	.00120	-.00010
.600	5.000	.03240	.47050	.03030	.00500	-.00580	.00080	-.00030
.600	6.000	.03440	.55620	.03580	.01780	-.00550	.00060	-.00080
.600	7.000	.03940	.63620	.04580	.03270	-.00560	.00060	-.00080
.600	8.000	.04010	.70750	.06210	.04630	-.00650	.00110	-.00020
.600	9.000	.03510	.77180	.08400	.05360	-.00820	.00180	.00020
.600	10.000	.03650	.83260	.10810	.05420	-.00900	.00230	.00030
.600	11.000	.03750	.88490	.13290	.05030	-.00820	.00220	.00020
.600	12.000	.03800	.92240	.15810	.04650	-.00710	.00210	.00040
	GRADIENT	-.00076	.09061	-.00088	.01025	.00046	-.00014	-.00005

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 3

BTWT-1431CA5 K1 F0

VS.1

(ROM039) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000

RUN NO. 189/ 0 RN/L = 3 45 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.03430	-.17620	.03770	-.07220	-.01060	.00190	.00000
.700	-1.000	.03680	-.07620	.02920	-.06440	-.01100	.00240	-.00020
.700	.000	.03560	.02430	.02380	-.05650	-.01040	.00230	-.00030
.700	1.000	.03410	.11960	.02130	-.04840	-.00920	.00200	-.00020
.700	2.000	.03140	.21460	.02100	-.04000	-.00950	.00230	-.00030
.700	3.000	.03310	.30990	.02220	-.02760	-.00880	.00210	-.00030
.700	4.000	.03480	.40390	.02490	-.01290	-.00720	.00160	-.00030
.700	5.000	.03820	.49510	.02990	.00220	-.00560	.00100	-.00060
.700	6.000	.04270	.58260	.03960	.01690	-.00500	.00080	-.00080
.700	7.000	.03960	.66130	.05680	.02560	-.00540	.00100	-.00050
.700	8.000	.03450	.72800	.07940	.02600	-.00630	.00140	.00010
.700	9.000	.03830	.78490	.10250	.02270	-.00660	.00140	.00030
.700	10.000	.04290	.83290	.12440	.02090	-.00660	.00150	.00030
.700	11.000	.04220	.87100	.14560	.02320	-.00660	.00150	.00020
.700	12.000	.04100	.90030	.16760	.03010	-.00690	.00190	.00060
GRADIENT		.00008	.09585	-.00097	.01040	.00070	-.00013	-.00006

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BTWT-1431CA5 K1 F0 H15 1A V9 1

(RGM040) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

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 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

BETA = 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000

RUN NO 202/ 0 RN/L = .98 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	.03340	-.21790	.03990	.10800	-.00610	.00050	.00040
.150	-1.000	.03130	-.08120	.03350	.05360	-.00370	.00060	.00020
.150	.000	.02940	.00940	.02950	.02760	-.00240	.00030	.00010
.150	1.000	.03180	.08340	.02780	.00730	-.00220	.00010	-.00020
.150	2.000	.03220	.16450	.02790	-.01820	-.00280	-.00020	-.00050
.150	3.000	.03350	.25700	.02900	-.04530	-.00240	-.00040	-.00050
.150	4.000	.03550	.34790	.03110	-.06950	-.00190	-.00020	-.00060
.150	5.000	.03470	.43350	.03440	-.08920	-.00250	.00010	-.00070
.150	6.000	.03120	.51650	.03890	-.10590	-.00410	.00030	-.00090
.150	7.000	.03190	.59950	.04480	-.12420	-.00450	.00010	-.00080
.150	8.000	.03570	.67810	.05190	-.14160	-.00380	.00010	-.00030
.150	9.000	.03530	.74790	.06220	-.15080	-.00410	.00050	.00000
.150	10.000	.03280	.81090	.07800	-.15070	-.00500	.00070	.00010
.150	11.000	.03310	.87080	.09960	-.14780	-.00450	.00050	.00010
.150	12.000	.03300	.93200	.12510	-.14890	-.00320	.00060	-.00030
GRADIENT		.00051	.08963	-.00061	-.02650	.00040	-.00011	-.00016

RUN NO 201/ 0 RN/L = 1.85 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	.03970	-.18860	.04000	.08610	-.00630	.00210	-.00040
.300	-1.000	.03970	-.08920	.03330	.05620	-.00640	.00220	-.00050
.300	.000	.03730	.00770	.02980	.02850	-.00590	.00190	-.00050
.300	1.000	.03820	.10090	.02850	.00210	-.00510	.00160	-.00060
.300	2.000	.04070	.19270	.02850	-.02350	-.00440	.00130	-.00050
.300	3.000	.04020	.28250	.02940	-.04970	-.00440	.00120	-.00040
.300	4.000	.03780	.37050	.03120	-.07600	-.00490	.00130	-.00050
.300	5.000	.03550	.45900	.03430	-.10180	-.00530	.00140	-.00080
.300	6.000	.03530	.54830	.03920	-.12440	-.00470	.00140	-.00100
.300	7.000	.03120	.63560	.04560	-.14320	-.00370	.00120	-.00130
.300	8.000	.02580	.71580	.05400	-.15770	-.00380	.00130	-.00100
.300	9.000	.02890	.78620	.06560	-.16580	-.00570	.00210	-.00020
.300	10.000	.03640	.84900	.08220	-.16610	-.00760	.00300	.00020
.300	11.000	.03880	.90990	.10430	-.16270	-.00780	.00320	-.00010
.300	12.000	.03840	.96970	.13090	-.16130	-.00710	.00300	-.00050
GRADIENT		-.00033	.09224	-.00061	-.02662	.00023	-.00014	-.00003



BTWT-1431CA5 K1 F0 H15.1A V9 1

(RCM040) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO 200/ 0 RN/L = 2.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	.03790	-.19530	.04000	.07280	-.00820	.00170	-.00010
.500	-1.000	.03690	-.09170	.03280	.04020	-.00720	.00180	-.00010
.500	.000	.03790	.01020	.02880	.01150	-.00710	.00180	-.00040
.500	1.000	.03860	.10780	.02710	-.01410	-.00690	.00180	-.00040
.500	2.000	.03990	.20340	.02700	-.03980	-.00650	.00160	-.00030
.500	3.000	.04190	.29870	.02800	-.06700	-.00680	.00160	-.00040
.500	4.000	.04120	.39260	.03020	-.09300	-.00680	.00150	-.00040
.500	5.000	.04110	.48550	.03390	-.11620	-.00620	.00140	-.00050
.500	6.000	.04130	.57750	.03940	-.13720	-.00580	.00130	-.00080
.500	7.000	.04210	.66520	.04730	-.15180	-.00590	.00140	-.00090
.500	8.000	.04220	.74220	.05000	-.15720	-.00660	.00160	-.00040
.500	9.000	.04010	.80930	.07860	-.15750	-.00750	.00200	-.00010
.500	10.000	.03700	.87350	.10110	-.15840	-.00790	.00230	-.00040
.500	11.000	.03570	.93550	.12610	-.15980	-.00800	.00250	-.00090
.500	12.000	.03910	.99040	.15390	-.16480	-.00820	.00290	-.00120
	GRADIENT	.00068	.09700	-.00069	-.02679	.00021	-.00005	-.00005

RUN NO 199/ 0 RN/L = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.03550	-.20380	.03970	.07150	-.00900	.00200	.00000
.600	-1.000	.03490	-.09630	.03170	.03670	-.00840	.00200	-.00050
.600	.000	.03930	.00890	.02730	.00710	-.00810	.00190	-.00060
.600	1.000	.03590	.10990	.02550	-.01990	-.00800	.00190	-.00060
.600	2.000	.03410	.20900	.02540	-.04660	-.00770	.00190	-.00050
.600	3.000	.03750	.30800	.02660	-.07250	-.00720	.00180	-.00050
.600	4.000	.03970	.40570	.02920	-.09680	-.00660	.00160	-.00050
.600	5.000	.04130	.50130	.03350	-.11950	-.00590	.00130	-.00070
.600	6.000	.03890	.59410	.04030	-.13800	-.00550	.00120	-.00110
.600	7.000	.03790	.68330	.05100	-.14810	-.00500	.00110	-.00120
.600	8.000	.03810	.75960	.06830	-.15050	-.00510	.00130	-.00080
.600	9.000	.03850	.82330	.09130	-.15200	-.00650	.00180	-.00040
.600	10.000	.03970	.88620	.11640	-.16180	-.00760	.00220	-.00030
.600	11.000	.04330	.94070	.14130	-.17380	-.00770	.00240	-.00080
.600	12.000	.04660	.98110	.16890	-.19180	-.00770	.00250	-.00080
	GRADIENT	.00068	.10050	-.00069	-.02702	.00040	-.00009	-.00005

ORIGINAL PAGE IS OF POOR QUALITY

BTWT-1431CA5 K1 F0 H15.1A V9.1

(RGM040) (21 JAN 75)

C-2

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 198/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.03820	-.21580	.03980	.06620	- .00930	.00180	.00000
.700	-1.000	.03860	-.10300	.03050	.03320	- .00910	.00190	-.00060
.700	.000	.03720	.00820	.02520	.00360	- .00890	.00200	-.00060
.700	1.000	.03330	.11470	.02280	-.02380	- .00850	.00210	- .00040
.700	2.000	.03120	.22080	.02240	-.05060	- .00780	.00210	- .00020
.700	3.000	.03330	.32860	.02370	-.07720	- .00710	.00190	- .00030
.700	4.000	.03680	.42860	.02710	-.10100	- .00660	.00160	- .00050
.700	5.000	.03890	.52740	.03300	-.11900	- .00580	.00140	- .00070
.700	6.000	.03690	.62130	.04330	-.13050	- .00480	.00120	- .00080
.700	7.000	.03420	.70410	.06160	-.13790	- .00460	.00130	- .00060
.700	8.000	.03330	.77330	.08470	-.14840	- .00550	.00180	.00010
.700	9.000	.03620	.83220	.10830	-.16560	- .00630	.00190	.00050
.700	10.000	.04220	.88460	.13150	-.18640	- .00660	.00190	.00010
.700	11.000	.04980	.92940	.15420	-.19970	- .00630	.00180	.00030
.700	12.000	.05470	.96520	.17750	-.21750	- .00560	.00160	.00080
GRADIENT		-.00021	.10621	-.00083	-.02663	.00051	- .00005	- .00004

BTWT-1431CAS K1 F0 H15.1A V9.1

(RGM041) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO 207/ 0 RN/L = .96 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.80270	.54320	.02630	-.18760	.18220	-.03330	.03300
.150	-10.000	5.80420	.53770	.02730	-.16820	.14760	-.02780	.02840
.150	-8.000	5.80760	.52920	.03020	-.14910	.10790	-.02000	.02190
.150	-6.000	5.81010	.52550	.03330	-.12940	.07170	-.01290	.01530
.150	-4.000	5.81050	.52800	.03550	-.11370	.04220	-.00760	.00940
.150	-3.000	5.81050	.53090	.03600	-.11200	.02980	-.00560	.00680
.150	-2.000	5.81050	.53350	.03620	-.11660	.01760	-.00350	.00420
.150	-1.000	5.81100	.53440	.03630	-.12450	.00440	-.00120	.00160
.150	.000	5.81100	.53440	.03640	-.13100	-.00990	.00140	-.00120
.150	1.000	5.81100	.53520	.03630	-.13300	-.02460	.00390	-.00390
.150	2.000	5.81050	.53590	.03610	-.13260	-.03820	.00600	-.00670
.150	3.000	5.80960	.53610	.03520	-.13310	-.05100	.00770	-.00940
.150	4.000	5.80960	.53530	.03370	-.13610	-.06460	.00960	-.01220
.150	6.000	5.80860	.53630	.02990	-.14740	-.09680	.01530	-.01790
.150	8.000	5.80520	.54470	.02670	-.16180	-.13340	.02350	-.02370
.150	10.000	5.80030	.55680	.02480	-.17800	-.17070	.03170	-.02910
.150	12.000	5.79830	.55910	.02300	-.19690	-.20080	.03510	-.03340
GRADIENT	- .00011	.00084	-.00016	-.00322	-.01350	.00221	-.00270	

RUN NO. 206/ 0 RN/L = 1.82 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79830	.55390	.02460	-.19040	.18380	-.03450	.03220
.300	-10.000	5.80220	.54770	.02770	-.17420	.14700	-.02790	.02710
.300	-8.000	5.80620	.54090	.03080	-.15600	.10900	-.01980	.02140
.300	-6.000	5.80760	.53880	.03380	-.14200	.07430	-.01260	.01570
.300	-4.000	5.80710	.54210	.03640	-.13460	.04440	-.00730	.01000
.300	-3.000	5.80710	.54460	.03750	-.13330	.03100	-.00530	.00730
.300	-2.000	5.80710	.54620	.03820	-.13320	.01800	-.00320	.00470
.300	-1.000	5.80810	.54640	.03860	-.13380	.00470	-.00110	.00200
.300	.000	5.80810	.54630	.03860	-.13410	-.00900	.00130	-.00070
.300	1.000	5.80760	.54710	.03830	-.13440	-.02330	.00360	-.00340
.300	2.000	5.80710	.54850	.03770	-.13580	-.03770	.00590	-.00610
.300	3.000	5.80710	.54980	.03700	-.13850	-.05210	.00820	-.00890
.300	4.000	5.80760	.55020	.03600	-.14220	-.06640	.01050	-.01170
.300	6.000	5.80650	.55150	.03310	-.15490	-.09730	.01640	-.01750
.300	8.000	5.80370	.55580	.02920	-.17470	-.13260	.02400	-.02330
.300	10.000	5.80080	.56130	.02530	-.19530	-.17010	.03190	-.02880
.300	12.000	5.79980	.56100	.02290	-.20440	-.20350	.03690	-.03350
GRADIENT	0.0003	.00089	-.00007	-.00086	-.01386	.00224	-.00271	

BTWT-1431CA5 K1 F0 H15.1A V9.1

(RGM041) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000

RUN NO. 205/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
500	-12.000	5.79150	.57000	.02580	-.17460	.19020	-.03940	.03240
500	-10.000	5.79050	.56900	.02650	-.16900	.15410	-.02950	.02770
500	-8 000	5.79440	.56400	.02950	-.15640	.11630	-.02160	.02220
.500	-6 000	5.79740	.56130	.03300	-.14460	.08050	-.01390	.01630
500	-4.000	5.79690	.56300	.03600	-.13790	.04840	-.00770	.01040
.500	-3.000	5.79690	.56490	.03710	-.13680	.03390	-.00520	.00750
.500	-2.000	5.79790	.56690	.03780	-.13680	.02020	-.00300	.00470
500	-1 000	5.79880	.56820	.03820	-.13750	.00670	-.00090	.00200
500	000	5.79880	.56980	.03930	-.13790	-.00730	.00130	-.00070
500	1 000	5.79930	.56880	.03800	-.13770	-.02200	.00360	-.00330
500	2 000	5.79980	.56900	.03750	-.13900	-.03690	.00590	-.00610
500	3.000	5.79980	.56950	.03660	-.14210	-.05150	.00820	-.00900
500	4.000	5.79930	.56980	.03530	-.14610	-.06640	.01060	-.01200
.500	6.000	5.79790	.57150	.03210	-.15810	-.09960	.01700	-.01800
.500	8.000	5.79540	.57540	.02880	-.17470	-.13830	.02540	-.02390
500	10 000	5.79390	.57890	.02610	-.18920	-.17830	.03390	-.02950
.500	12 000	5.79300	.57670	.02420	-.19030	-.20980	.03790	-.03400
	GRADIENT	.00038	.00076	-.00008	-.00089	-.01430	.00226	-.00277

RUN NO. 204/ 0 RN/L = 3.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
600	-12.000	5.78370	.58570	.02720	-.16310	.19530	-.03600	.03300
.600	-10.000	5.78520	.58530	.02690	-.16130	.16360	-.03200	.02880
600	-8 000	5.78760	.58050	.02920	-.15090	.12300	-.02320	.02310
600	-6.000	5.78910	.57810	.03280	-.14090	.08400	-.01440	.01690
.600	-4 000	5.78910	.57990	.03620	-.13610	.05110	-.00800	.01060
.600	-3 000	5.78910	.58140	.03750	-.13560	.03640	-.00550	.00770
.600	-2.000	5.78960	.58250	.03830	-.13610	.02220	-.00330	.00480
.600	-1 000	5.79000	.58310	.03860	-.13800	.00860	-.00130	.00210
.600	000	5.79000	.58380	.03860	-.13960	-.00500	.00070	-.00060
.600	1.000	5.78910	.58510	.03840	-.13910	-.01970	.00290	-.00340
.600	2.000	5.78860	.58620	.03790	-.13860	-.03550	.00550	-.00630
.600	3.000	5.78910	.58670	.03710	-.13980	-.05180	.00820	-.00930
.600	4.000	5.78960	.58690	.03590	-.14260	-.06800	.01080	-.01240
600	6.000	5.78810	.58870	.03270	-.15360	-.10240	.01720	-.01850
.600	8.000	5.78610	.59170	.02990	-.16920	-.14180	.02590	-.02460
.600	10.000	5.78520	.59410	.02780	-.18240	-.18260	.03490	-.03010
600	12 000	5.78710	.59200	.02650	-.18300	-.21670	.03920	-.03430
	GRADIENT	-.00002	.00089	-.00006	-.00074	-.01474	.00230	-.00284

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 K1 FO H15.1A V9 1

(RGM041) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 * 000

RUN NO. 203/ 0 RN/L = 3.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
700	-12.000	5.76560	.62490	.03140	-.14410	20970	-.03820	03820
700	-10.000	5.76710	.62280	.02990	-.14240	.17770	-.03450	03330
700	-8 000	5 77000	.61510	.03170	-.13530	.13350	-.02470	02680
.700	-6.000	5.77340	.60890	.03520	-.12970	09090	-.01510	01950
.700	-4.000	5.77540	.60700	.03860	-.12830	.05580	-.00830	01210
700	-3 000	5 77640	.60690	.03970	-.12850	.04060	-.00600	00870
.700	-2 000	5.77690	.60610	.04030	-.12870	02580	-.00370	00550
.700	-1.000	5.77690	.60530	.04060	-.12930	01070	-.00140	.00240
.700	.000	5.77690	.60550	04070	-.13010	-.00480	.00090	-.00070
.700	1.000	5 77780	.60650	.04060	-.13080	-.02090	.00350	-.00400
.700	2 000	5.77730	.60790	.04030	-.13170	-.03730	00600	-.00720
.700	3.000	5.77640	.60960	.03940	-.13360	-.05400	.00860	-.01050
700	4.000	5 77490	.61150	.03830	-.13710	-.07120	.01150	-.01390
700	6 000	5.77390	.61650	.03550	-.14670	-.10860	01860	-.02090
700	8.000	5 77390	.62260	.03330	-.15650	-.15010	02730	-.02760
.700	10.000	5.77440	.62790	.03200	-.16390	-.19210	.03560	-.03350
700	12.000	5 76950	.62860	.03180	-.16710	-.22750	.04000	-.03840
	GRADIENT	- 00001	.00052	- 00003	-.00097	- 01583	00245	-.00322

ORIGINAL PAGE IS
 OF POOR QUALITY

BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGM042) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 212/ 0 RN/L = .97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.05540	-.22200	.03970	.12050	-.00650	.00170	.00000
.150	-1.000	-.04790	-.08410	.03360	.07050	-.00290	.00170	-.00010
.150	.000	-.04980	.00620	.02990	.04160	-.00210	.00150	-.00020
.150	1.000	-.05110	.08170	.02820	.01540	-.00210	.00150	-.00050
.150	2.000	-.05020	.16390	.02810	-.01370	-.00260	.00140	-.00060
.150	3.000	-.05010	.25600	.02930	-.04360	-.00260	.00100	-.00070
.150	4.000	-.05080	.34740	.03150	-.07150	-.00210	.00100	-.00070
.150	5.000	-.04990	.43380	.03500	-.09470	-.00240	.00130	-.00070
.150	6.000	-.04910	.51780	.03970	-.11430	-.00420	.00150	-.00080
.150	7.000	-.05180	.60360	.04570	-.13820	-.00360	.00140	-.00080
.150	8.000	-.04810	.68150	.05320	-.15850	-.00400	.00110	-.00030
.150	9.000	-.05120	.75160	.06350	-.17170	-.00380	.00130	.00010
.150	10.000	-.05000	.81470	.07850	-.16960	-.00500	.00170	-.00030
.150	11.000	-.05270	.87290	.10080	-.17110	-.00210	.00100	.00010
.150	12.000	-.04460	.93310	.12600	-.17090	-.00160	.00090	.00020
	GRADIENT	.00029	.09023	-.00054	-.02977	.00037	-.00009	-.00011

RUN NO 211/ 0 RN/L = 1.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.04580	-.19500	.04070	.10950	-.00640	.00270	-.00070
.300	-1.000	-.04480	-.09570	.03450	.07650	-.00690	.00300	-.00080
.300	.000	-.04340	.00430	.03100	.04420	-.00640	.00280	-.00090
.300	1.000	-.04490	.09770	.02950	.01440	-.00590	.00260	-.00090
.300	2.000	-.04750	.18960	.02930	-.01480	-.00560	.00250	-.00070
.300	3.000	-.04710	.28050	.03030	-.04390	-.00530	.00230	-.00060
.300	4.000	-.04480	.36950	.03230	-.07380	-.00520	.00220	-.00050
.300	5.000	-.04280	.45900	.03560	-.10340	-.00520	.00230	-.00060
.300	6.000	-.04380	.54910	.04050	-.12990	-.00480	.00230	-.00090
.300	7.000	-.04510	.63780	.04680	-.15230	-.00410	.00220	-.00120
.300	8.000	-.04660	.72020	.05500	-.17180	-.00440	.00220	-.00110
.300	9.000	-.04690	.79220	.06720	-.18430	-.00570	.00260	-.00050
.300	10.000	-.04490	.85490	.08480	-.18700	-.00700	.00310	-.00010
.300	11.000	-.04490	.91470	.10680	-.18560	-.00700	.00300	-.00010
.300	12.000	-.04620	.97430	.13190	-.18340	-.00720	.00320	-.00050
	GRADIENT	.00009	.09315	-.00058	-.03018	.00024	-.00010	.00004

BTWT-1431CA5 K1 F0 H15.6 V9 1

(RGM042) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO 210/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.04310	-.19800	.04110	.09520	-.00910	.00260	-.00040
.500	-1.000	-.04220	-.09370	.03390	.05960	-.00860	.00280	-.00050
500	000	-.04040	.00910	.02990	.02830	-.00810	.00280	-.00070
500	1.000	-.03690	.10600	.02820	-.00040	-.00760	.00270	-.00070
500	2.000	-.04430	.20320	.02800	-.02940	-.00700	.00250	-.00060
500	3.000	-.04920	.29930	.02900	-.05990	-.00700	.00240	-.00050
.500	4.000	-.04420	.39330	.03130	-.08920	-.00730	.00250	-.00050
.500	5.000	-.04120	.48650	.03500	-.11660	-.00730	.00240	-.00070
.500	6.000	-.04430	.57930	.04050	-.14180	-.00690	.00230	-.00090
.500	7.000	-.04530	.66800	.04850	-.16120	-.00660	.00230	-.00100
.500	8.000	-.04160	.74660	.06070	-.17100	-.00660	.00220	-.00070
500	9.000	-.04150	.81370	.07850	-.17340	-.00710	.00230	-.00040
.500	10.000	-.04540	.87660	.10110	-.17530	-.00770	.00250	-.00050
.500	11.000	-.04460	.93950	.12630	-.17780	-.00810	.00280	-.00070
.500	12.000	-.04020	.99580	.15300	-.18240	-.00850	.00320	-.00070
GRADIENT		-.00036	.09755	-.00070	-.03000	.00027	-.00005	-.00002

RUN NO. 209/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.04600	-.20520	.04130	.08440	-.00960	.00290	-.00030
600	-1.000	-.04460	-.09950	.03340	.05270	-.00840	.00270	-.00050
600	.000	-.05020	.00570	.02880	.02340	-.00790	.00250	-.00060
600	1.000	-.05730	.10570	.02680	-.00550	-.00810	.00270	-.00060
.600	2.000	-.05720	.20580	.02660	-.03470	-.00810	.00280	-.00060
.600	3.000	-.04940	.30680	.02780	-.06410	-.00740	.00260	-.00050
600	4.000	-.04770	.40520	.03050	-.09200	-.00670	.00230	-.00040
600	5.000	-.05110	.50110	.03470	-.11740	-.00600	.00200	-.00070
600	6.000	-.05050	.59490	.04140	-.13920	-.00550	.00180	-.00110
.600	7.000	-.04640	.68420	.05300	-.15460	-.00560	.00200	-.00090
.600	8.000	-.04510	.76060	.06970	-.16060	-.00570	.00220	-.00060
600	9.000	-.04770	.82620	.09070	-.16380	-.00590	.00220	-.00060
.600	10.000	-.04470	.88860	.11470	-.17320	-.00640	.00220	-.00070
.600	11.000	-.04020	.94430	.14070	-.18950	-.00690	.00250	-.00060
.600	12.000	-.03910	.98680	.16720	-.20990	-.00710	.00270	-.00020
GRADIENT		-.00058	.10085	-.00076	-.02890	.00042	-.00009	-.00002

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OF QUALITY BOOK

BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGM042) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000

RUN NO 208/ 0 RN/L = 3.43 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
700	-2.000	-.04250	-.21550	04170	.07210	-.00940	00260	-.00010
700	-1 000	-.03710	-.10440	03260	03860	-.00910	.00260	- 00060
700	000	-.04810	.00730	.02720	00880	-.00890	00270	- 00060
700	1.000	-.04580	.11350	.02450	-.01850	-.00800	.00270	-.00020
700	2.000	-.04100	.21840	.02400	-.04370	-.00740	.00270	.00000
.700	3.000	-.04050	.32350	.02540	-.06830	-.00710	.00260	-.00010
.700	4.000	-.03980	.42620	.02860	-.09200	-.00650	.00240	-.00020
.700	5.000	-.03810	.52840	.03430	-.11030	-.00540	.00200	-.00040
.700	6.000	-.03960	.61960	.04500	-.12450	-.00470	00180	- 00050
.700	7.000	-.04280	.70340	.06280	-.13850	-.00470	00200	- 00030
.700	8 000	-.04280	.77320	.08540	-.15350	-.00530	.00220	00040
.700	9 000	-.03910	.83190	.10900	-.17210	-.00570	.00220	.00080
.700	10 000	-.03610	.88240	.13190	- 19590	-.00590	.00210	00040
.700	11.000	-.03510	.92550	.15450	-.21610	-.00520	00170	.00030
.700	12.000	-.03660	.96230	.17770	-.23580	-.00400	.00130	00080
	GRADIENT	.00053	.10587	-.00092	-.02603	.00056	-.00007	00002

BTWT-1431CA5 KI FO H15.8 V9.1

(RGM043) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 217/ 0 RN/L = .97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.80810	.53880	.02810	-.17990	.20980	-.04980	.03360
.150	-10 000	5.80860	.53390	.02810	-.16650	.16870	-.04130	.02870
.150	-8.000	5 81050	.52800	.03140	-.15230	.12590	- 03110	.02240
.150	-6 000	5.81300	.52530	.03450	-.13500	.08630	-.02110	.01600
.150	-4 000	5.81490	.52670	.03670	-.11930	.05150	- 01230	.00990
.150	-3.000	5 81540	.52830	.03730	- 11640	.03630	- 00850	.00700
.150	-2.000	5 81490	.52980	.03750	-.11970	.02160	-.00500	.00420
.150	-1.000	5.81450	.53140	.03760	-.12770	.00570	- 00120	.00130
.150	.000	5.81400	.53220	.03780	-.13440	-.01190	.00280	- 00170
.150	1.000	5 81450	.53280	.03780	- 13590	-.02950	.00690	- 00470
.150	2 000	5.81450	.53350	.03780	-.13510	-.04520	.01040	- 00750
.150	3.000	5.81400	.53380	.03730	-.13620	-.05970	.01340	- 01020
.150	4.000	5 81250	.53440	.03570	- 14050	- 07540	.01680	- 01300
.150	6.000	5 80760	.53830	.03130	-.15320	- 11270	.02560	- 01880
.150	8 000	5.80520	.54460	.02780	-.16480	-.15380	.03650	- 02460
.150	10.000	5 80470	.55150	.02600	-.17270	-.19560	.04720	- 02990
.150	12.000	5.80320	.55620	.02450	-.17850	-.23240	.05400	- 03420
GRADIENT		-.00024	.00093	-.00005	- 00305	- 01607	.00368	- 00288

RUN NO 216/ 0 RN/L = 1.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12 000	5 80320	.54970	.02550	-.18370	.21190	-.05110	.03300
.300	-10.000	5 80420	.54560	.02820	- 17020	.17000	- 04180	.02780
.300	-8.000	5.80620	.54040	.03170	-.15680	.12690	- 03050	.02210
.300	-6.000	5.80810	.53890	.03520	-.14570	.08700	-.02020	.01620
.300	-4.000	5.80960	.54160	.03810	-.13850	.05220	- 01200	.01040
.300	-3.000	5 80960	.54390	.03910	-.13660	.03660	-.00850	.00750
.300	-2.000	5.80910	.54600	.03980	-.13600	.02150	-.00500	.00470
.300	-1.000	5.80860	.54690	.04020	-.13680	.00600	-.00130	.00190
.300	.000	5.80910	.54690	.04030	-.13830	-.00990	.00250	- 00090
.300	1.000	5 80960	.54730	.04010	-.13980	- 02670	.00620	- 00370
.300	2.000	5 80910	.54850	.03940	-.14130	- 04400	.01000	- 00650
.300	3.000	5.80810	.54970	.03840	-.14330	-.06100	.01370	-.00930
.300	4.000	5.80760	.54970	.03720	-.14670	-.07760	.01760	- 01230
.300	6.000	5.80710	.55020	.03410	-.15890	-.11280	.02650	- 01820
.300	8.000	5 80520	.55420	.03020	-.17490	-.15350	.03710	- 02400
.300	10 000	5.80220	.55870	.02620	-.18720	-.19640	.04780	- 02950
.300	12 000	5.80220	.55400	.02340	-.18380	-.23230	.05510	- 03390
GRADIENT		-.00019	.00092	-.00011	-.00111	-.01626	.00371	- 00282

BTWT-1431CA5 K1 F0 H15.6 V9 1

(RGM043) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 215/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12 000	5.79200	.56540	.02590	-.16260	.21640	-.05180	.03300
.500	-10.000	5.79490	.56430	.02700	-.16220	.17720	-.04380	.02850
.500	-8.000	5.79790	.56220	.03020	-.15570	.13450	-.03280	.02290
.500	-6 000	5.79880	.56150	.03390	-.14700	.09310	-.02180	.01670
.500	-4 000	5.79930	.56300	.03720	-.13980	.05560	-.01240	.01050
.500	-3 000	5.79930	.56500	.03840	-.13830	.03880	-.00840	.00750
.500	-2 000	5.79980	.56750	.03940	-.13860	.02310	-.00480	.00460
.500	-1.000	5.79980	.56890	.03990	-.13990	.00770	-.00140	.00190
.500	.000	5.79980	.56870	.03990	-.14060	-.00840	.00220	-.00070
.500	1 000	5.79980	.56820	.03960	-.14080	-.02560	.00600	-.00350
.500	2 000	5.80030	.56860	.03890	-.14150	-.04310	.00990	-.00640
.500	3 000	5.80080	.56960	.03790	-.14400	-.06020	.01370	-.00930
.500	4 000	5.80080	.57050	.03640	-.14870	-.07760	.01770	-.01240
.500	6 000	5.79830	.57180	.03280	-.16090	-.11570	.02700	-.01860
.500	8.000	5.79690	.57320	.02950	-.17020	-.15830	.03800	-.02440
.500	10.000	5.79740	.57320	.02690	-.17200	-.20190	.04870	-.02970
.500	12 000	5.79880	.56960	.02480	-.16410	-.23800	.05580	-.03410
GRADIENT		.00019	.00076	-.00010	-.00099	-.01659	.00372	-.00282

RUN NO. 214/ 0 RN/L = 3.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12 000	5.78370	.58230	.02750	-.15020	.22060	-.05180	.03360
.600	-10 000	5.78610	.58480	.02820	-.16510	.18410	-.04520	.02960
.600	-8.000	5.78810	.58130	.03040	-.15670	.14020	-.03410	.02380
.600	-6.000	5.79000	.57870	.03390	-.14320	.09720	-.02260	.01720
.600	-4 000	5.79050	.57960	.03750	-.13550	.05930	-.01300	.01070
.600	-3.000	5.79150	.58110	.03890	-.13530	.04200	-.00900	.00770
.600	-2 000	5.79200	.58270	.03970	-.13710	.02540	-.00520	.00470
.600	-1.000	5.79150	.58400	.04010	-.13960	.00940	-.00170	.00190
.600	.000	5.79100	.58470	.04010	-.14100	-.00670	.00170	-.00080
.600	1 000	5.79200	.58460	.03980	-.14020	-.02380	.00530	-.00360
.600	2.000	5.79300	.58450	.03930	-.13840	-.04170	.00920	-.00650
.600	3.000	5.79350	.58520	.03850	-.13870	-.06010	.01330	-.00960
.600	4 000	5.79250	.58680	.03700	-.14360	-.07890	.01770	-.01280
.600	6.000	5.79000	.59050	.03340	-.15790	-.11900	.02750	-.01930
.600	8.000	5.78910	.59140	.03070	-.16420	-.16160	.03850	-.02510
.600	10.000	5.79000	.58920	.02890	-.16040	-.20490	.04900	-.03010
.600	12 000	5.79100	.58610	.02680	-.15610	-.24480	.05550	-.03460
GRADIENT		.00028	.00075	-.00007	-.00076	-.01711	.00376	-.00290

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 KI FO H15.6 V9 I

(RGM043) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000

RUN NO. 213/ 0 RN/L = 3 43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.76760	.62230	.03150	-.13230	.23320	-.05330	.03860
.700	-10.000	5.76610	.62540	.03130	-.15460	.19650	-.04720	.03410
.700	-8.000	5.76900	.61790	.03330	-.15120	.15000	-.03550	.02770
.700	-6.000	5.77290	.61020	.03670	-.13890	.10400	-.02330	.02020
.700	-4.000	5.77590	.60680	.04020	-.12880	.06360	-.01320	.01240
.700	-3.000	5.77690	.60570	.04140	-.12600	.04560	-.00920	.00870
.700	-2.000	5.77780	.60410	.04190	-.12470	.02820	-.00550	.00540
.700	-1.000	5.77830	.60340	.04210	-.12490	.01120	-.00190	.00240
.700	.000	5.77880	.60390	.04220	-.12550	-.00600	.00170	-.00060
.700	1.000	5.77930	.60460	.04210	-.12490	-.02420	.00560	-.00380
.700	2.000	5.77980	.60550	.04160	-.12380	-.04310	.00960	-.00720
.700	3.000	5.78080	.60690	.04080	-.12470	-.06220	.01370	-.01060
.700	4.000	5.78080	.60930	.03960	-.12890	-.08180	.01800	-.01410
.700	6.000	5.77930	.61620	.03680	-.14440	-.12390	.02820	-.02140
.700	8.000	5.77780	.62320	.03440	-.16160	-.16940	.03940	-.02840
.700	10.000	5.77730	.62700	.03290	-.16970	-.21510	.05000	-.03440
.700	12.000	5.77780	.62450	.03230	-.15480	-.25400	.05700	-.03880
GRADIENT		.00060	.00029	-.00008	.00009	-.01805	.00365	-.00325

BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGH044) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 222/ 0 RN/L = .97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.00080	-.16830	.03800	-.03590	-.00980	.00230	-.00060
.150	-1 000	-.00170	-.03150	.03220	-.08150	-.00620	.00220	-.00050
.150	0 000	-.00010	.06020	.02930	-.10830	-.00520	.00210	-.00080
.150	1 000	.00260	.13620	.02840	-.13580	-.00490	.00200	-.00100
.150	2.000	.00220	.21600	.02900	-.16380	-.00460	.00170	-.00100
.150	3.000	.00080	.30720	.03080	-.19100	-.00470	.00150	-.00100
.150	4.000	.00150	.39910	.03310	-.22160	-.00480	.00160	-.00110
.150	5 000	.00450	.48570	.03740	-.25050	-.00510	.00190	-.00110
.150	6 000	.00920	.57180	.04330	-.27400	-.00610	.00210	-.00120
.150	7 000	.00950	.65360	.04970	-.28990	-.00610	.00210	-.00100
.150	8.000	.00510	.72830	.05710	-.30080	-.00630	.00190	-.00080
.150	9.000	.00390	.79620	.06860	-.30910	-.00740	.00190	-.00060
.150	10 000	.00690	.85860	.08560	-.31120	-.00730	.00180	-.00060
.150	11 000	.00810	.91930	.10760	-.30680	-.00530	.00150	-.00030
.150	12.000	.00750	.97850	.13310	-.30200	-.00270	.00150	-.00020
GRADIENT		.00065	.08974	.00006	-.02951	.00050	-.00009	-.00008

RUN NO. 221/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2 000	.00430	-.14580	.03960	-.04400	-.00750	.00310	-.00090
.300	-1 000	.00750	-.04630	.03410	-.07930	-.00770	.00330	-.00090
.300	.000	.00900	.05300	.03130	-.11170	-.00770	.00320	-.00090
.300	1.000	.00620	.14500	.03050	-.13920	-.00750	.00300	-.00100
.300	2 000	.00420	.23710	.03080	-.16750	-.00640	.00270	-.00090
.300	3.000	.00310	.32880	.03220	-.19710	-.00620	.00260	-.00070
.300	4 000	.00280	.41740	.03470	-.22760	-.00690	.00280	-.00080
.300	5 000	.00310	.50630	.03880	-.25770	-.00710	.00290	-.00090
.300	6 000	.00300	.59670	.04440	-.28340	-.00650	.00280	-.00120
.300	7.000	.00360	.68510	.05170	-.30260	-.00560	.00260	-.00140
.300	8.000	.00340	.76460	.06080	-.31530	-.00560	.00260	-.00110
.300	9.000	.00260	.83370	.07350	-.32180	-.00690	.00300	-.00080
.300	10.000	.00430	.89590	.09100	-.32060	-.00820	.00350	.00010
.300	11.000	.00780	.95560	.11310	-.31360	-.00830	.00380	-.00050
.300	12.000	.01070	1.01440	.13910	-.30920	-.00800	.00380	-.00080
GRADIENT		-.00061	.09289	.00000	-.03002	.00015	-.00007	.00001

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGM044) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000

RUN NO. 220/ 0 RN/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2 000	.00300	-.15850	.04020	-.05960	-.00990	.00270	-.00050
.500	-1.000	.00660	-.05350	.03390	-.09560	-.00920	.00290	-.00060
.500	.000	.01340	.05000	.03050	-.12780	-.00880	.00300	-.00070
.500	1.000	.01690	.14640	.02930	-.15450	-.00870	.00310	-.00080
.500	2 000	.01480	.24250	.02970	-.18340	-.00810	.00290	-.00070
.500	3.000	.01080	.33800	.03140	-.21440	-.00800	.00280	-.00060
.500	4 000	.00880	.43220	.03430	-.24440	-.00810	.00270	-.00070
.500	5.000	.01190	.52570	.03870	-.27240	-.00810	.00260	-.00080
.500	6 000	.01520	.61820	.04480	-.29650	-.00780	.00250	-.00100
.500	7.000	.01460	.70510	.05350	-.31160	-.00750	.00250	-.00100
.500	8 000	.01020	.78120	.06690	-.31520	-.00770	.00250	-.00070
.500	9.000	.01250	.84770	.08590	-.31190	-.00850	.00280	-.00040
.500	10 000	.01730	.91090	.10860	-.30910	-.00880	.00290	-.00040
.500	11.000	.01700	.97210	.13340	-.30780	-.00850	.00300	-.00090
.500	12.000	.01430	1.02580	.16100	-.31000	-.00890	.00350	-.00120
GRADIENT		.00075	.09737	-.00006	-.02997	.00025	-.00003	-.00003

RUN NO. 219/ 0 RN/L = 3.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.00380	-.16520	.04010	-.06300	-.01080	.00310	-.00060
.600	-1.000	.00420	-.05850	.03310	-.09940	-.01010	.00310	-.00080
.600	.000	.00490	.04700	.02930	-.13200	-.01010	.00320	-.00090
.600	1.000	.00630	.14750	.02780	-.16140	-.01020	.00330	-.00100
.600	2.000	.00770	.24810	.02820	-.19230	-.00970	.00320	-.00090
.600	3 000	.00980	.34750	.03010	-.22230	-.00890	.00300	-.00080
.600	4 000	.01140	.44490	.03340	-.25080	-.00860	.00280	-.00080
.600	5.000	.00910	.54110	.03840	-.27650	-.00800	.00250	-.00100
.600	6.000	.00300	.63600	.04550	-.29720	-.00680	.00220	-.00120
.600	7 000	-.00100	.72380	.05720	-.30730	-.00630	.00200	-.00120
.600	8 000	.00210	.79780	.07510	-.30590	-.00680	.00220	-.00090
.600	9.000	.00680	.86120	.09800	-.30240	-.00820	.00270	-.00050
.600	10 000	.00790	.92210	.12290	-.30680	-.00890	.00300	-.00030
.600	11.000	.00770	.97740	.14830	-.31790	-.00860	.00310	-.00040
.600	12 000	.01090	1.01750	.17450	-.33220	-.00810	.00310	-.00040
GRADIENT		.00105	10075	-.00009	-.03040	.00037	-.00008	-.00003

ORIGINAL PAGE IS
 OF POOR QUALITY

BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGM044) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 218/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.01410	-.17830	.04050	-.07180	-.01100	.00300	-.00030
.700	-1.000	.01140	-.06440	.03220	-.10690	-.01070	.00290	-.00080
.700	.000	.00440	.04660	.02730	-.13840	- 01040	.00300	-.00070
.700	1.000	.00190	.15210	.02540	-.16560	- 01020	.00320	-.00060
.700	2.000	.00080	.25800	.02550	-.19330	- 00990	.00320	-.00050
.700	3.000	.00380	.36340	.02760	-.22310	-.00930	.00320	-.00060
.700	4.000	.01020	.46650	.03170	- 25110	-.00850	.00300	- 00070
.700	5.000	.01500	.56700	.03900	-.27450	- 00730	.00250	- 00090
.700	6.000	.01260	.66090	.04910	-.28830	- 00630	.00220	- 00090
.700	7.000	.00690	.74240	.06720	-.29280	- 00620	.00220	-.00050
.700	8.000	.00690	.80980	.09050	-.29610	-.00690	.00250	.00040
.700	9.000	.01210	.86710	.11500	-.30760	-.00770	.00260	.00080
.700	10.000	.01600	.91770	.13850	-.32610	-.00780	.00260	.00050
.700	11.000	.01800	.96050	.16160	-.34000	- 00750	.00250	.00040
.700	12.000	.02150	.99580	.18520	-.35370	-.00680	.00220	.00080
	GRADIENT	-.00003	.10612	-.00023	-.02882	.00048	-.00003	-.00004

BTWT-1431CA5 K1 F0 H15.6 V9.1

(RGM045) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000

RUN NO. 224/ 0 RN/L = 2.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	.03230	-.29800	.06330	-.02410	-.00990	.00290	-.00120
.500	-1.000	.03320	-.19690	.05480	-.05910	-.00930	.00320	-.00130
.500	.000	.03490	-.09480	.04950	-.09130	-.00890	.00320	-.00120
.500	1.000	.03790	.00120	.04710	-.12040	-.00840	.00300	-.00120
.500	2.000	.03820	.09560	.04620	-.14880	-.00770	.00300	-.00120
.500	3.000	.03860	.18940	.04680	-.17790	-.00770	.00290	-.00120
.500	4.000	.03640	.27980	.04870	-.20570	-.00790	.00290	-.00120
.500	5.000	.03570	.37290	.05200	-.23120	-.00760	.00270	-.00120
.500	6.000	.03650	.46770	.05710	-.25420	-.00700	.00260	-.00140
.500	7.000	.03490	.56100	.06390	-.27150	-.00680	.00250	-.00140
.500	8.000	.03600	.65170	.07290	-.27980	-.00650	.00230	-.00140
.500	9.000	.03900	.74130	.08920	-.27860	-.00660	.00230	-.00050
.500	10.000	.03930	.83000	.11010	-.27440	-.00750	.00270	-.00060
.500	11.000	.03760	.91420	.13510	-.27440	-.00840	.00320	-.00120
.500	12.000	.03850	.99960	.16070	-.28300	-.00880	.00360	-.00160
	GRADIENT	.00061	.09552	-.00141	-.02942	.00033	-.00005	.00001

RUN NO 223/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.03260	-.31710	.06430	-.02270	-.01090	.00320	-.00130
.600	-1.000	.03100	-.21390	.05490	-.05760	-.01010	.00320	-.00150
.600	.000	.03110	-.10990	.04890	-.09070	-.00990	.00330	-.00140
.600	1.000	.03410	-.01220	.04630	-.12070	-.00970	.00330	-.00140
.600	2.000	.02970	.08630	.04540	-.14920	-.00920	.00320	-.00140
.600	3.000	.02800	.18390	.04600	-.17810	-.00830	.00300	-.00130
.600	4.000	.03180	.27980	.04810	-.20560	-.00770	.00280	-.00120
.600	5.000	.03570	.37640	.05190	-.22980	-.00730	.00270	-.00130
.600	6.000	.03470	.47600	.05760	-.25210	-.00650	.00240	-.00140
.600	7.000	.03250	.57810	.06570	-.26820	-.00540	.00200	-.00110
.600	8.000	.03370	.67810	.07840	-.27080	-.00540	.00200	-.00050
.600	9.000	.03500	.77100	.09860	-.26460	-.00570	.00240	-.00040
.600	10.000	.03510	.85590	.12370	-.26530	-.00850	.00310	-.00070
.600	11.000	.03680	.93200	.14870	-.27780	-.00890	.00330	-.00080
.600	12.000	.04160	.99350	.17290	-.29770	-.00800	.00320	-.00070
	GRADIENT	.00014	.09884	-.00155	-.02953	.00051	-.00008	.00002

BTWT-1431CA5 K1 F0 H15.6 VS.1

(RGM046) (11 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 5 000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000

RUN NO. 226/ 0 RN/L = 2 80 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2 000	4.98630	-.29100	.05660	-.05400	-.12780	.03040	-.01420
.500	-1.000	4.99370	-.19180	.04870	-.08980	-.12600	.03060	-.01430
.500	.000	4.99410	-.09140	.04350	-.12220	-.12470	.03070	-.01420
.500	1.000	4.99320	.01400	.04110	-.15020	-.12340	.03070	-.01410
.500	2.000	5.00000	.10750	.04040	-.17740	-.12230	.03060	-.01440
.500	3.000	5.00050	.19870	.04120	-.20340	-.12090	.03000	-.01480
.500	4.000	4.99710	.28810	.04330	-.22400	-.11900	.02910	-.01520
.500	5.000	4.99510	.37750	.04680	-.24080	-.11640	.02800	-.01580
.500	6.000	4.99760	.46910	.05250	-.25740	-.11400	.02730	-.01580
.500	7.000	5.00240	.56430	.05980	-.27710	-.11140	.02630	-.01600
.500	8.000	5.00440	.66070	.06930	-.29880	-.10840	.02520	-.01660
.500	9.000	5.00490	.75490	.08420	-.31760	-.10690	.02450	-.01630
.500	10.000	5.00540	.84540	.10560	-.32660	-.10720	.02450	-.01510
.500	11.000	5.00630	.92870	.13100	-.32640	-.10810	.02480	-.01410
.500	12.000	5.00830	.99880	.15720	-.32640	-.10850	.02520	-.01440
GRADIENT		.00125	.09395	-.00123	-.02678	.00152	-.00032	-.00021

RUN NO. 225/ 0 RN/L = 3.18 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	4.98830	-.29950	.05810	-.05620	-.12940	.03120	-.01430
.600	-1.000	4.99270	-.19830	.04880	-.09020	-.12810	.03140	-.01470
.600	.000	4.99070	-.09670	.04320	-.12320	-.12710	.03130	-.01460
.600	1.000	4.99170	.00230	.04050	-.15310	-.12600	.03130	-.01460
.600	2.000	4.98880	.09910	.03960	-.18140	-.12540	.03130	-.01490
.600	3.000	4.99120	.19380	.04040	-.20310	-.12350	.03070	-.01520
.600	4.000	4.99560	.28670	.04290	-.21920	-.12060	.02950	-.01550
.600	5.000	4.99710	.38080	.04710	-.23520	-.11770	.02830	-.01600
.600	6.000	4.99660	.47950	.05320	-.25310	-.11490	.02730	-.01630
.600	7.000	4.99660	.58420	.06190	-.27440	-.11200	.02630	-.01680
.600	8.000	4.99710	.69020	.07510	-.29620	-.11030	.02550	-.01750
.600	9.000	4.99660	.79020	.09430	-.31070	-.11100	.02560	-.01710
.600	10.000	4.99610	.87670	.11820	-.31710	-.11250	.02620	-.01660
.600	11.000	4.99510	.94620	.14350	-.32140	-.11230	.02630	-.01440
.600	12.000	4.99660	.99860	.16820	-.33500	-.11110	.02610	-.01410
GRADIENT		.00089	.09709	-.00138	-.02579	.00156	-.00038	-.00021

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 KI F0 H15.6 V9.1

(RGM047) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 10 000 ELV-0B = 13 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000

RUN NO. 227/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CO	CLM	CY	CLN	CSL
.600	-2.000	.04870	-.27080	.06530	-.19980	-.01000	.00300	-.00090
600	-1 000	.03700	-.16940	.05690	-.23480	-.00940	.00290	- 00120
600	000	03640	- 06780	05170	-.26610	-.00980	00320	- 00120
.600	1.000	.04200	03050	.04930	-.29510	-.00960	00320	- 00110
.600	2.000	.04120	.12800	.04900	-.32470	-.00900	.00310	-.00100
.600	3.000	.04180	.22570	.05020	-.35340	-.00840	.00290	-.00100
.600	4.000	04010	32180	.05280	-.38050	- 00760	00250	- 00080
600	5 000	.03670	.41610	.05720	-.39900	-.00660	00220	- 00080
.600	6.000	.03500	.51150	.06360	-.40560	-.00570	.00190	-.00090
600	7.000	.03560	.61190	07250	-.41180	-.00550	.00200	-.00080
.600	8.000	.03600	.71430	.08590	-.41800	-.00580	.00210	-.00040
.600	9.000	.03670	.80930	.10630	-.41810	-.00660	00230	-.00040
.600	10.000	.04010	.89200	.13150	-.41520	-.00810	.00290	-.00080
.600	11.000	.04490	.96340	.15690	-.41970	-.00900	00330	-.00100
.600	12 000	.04830	1 02190	.18180	-.43200	-.00860	00320	- 00040
	GRADIENT	-.00053	.09812	-.00098	-.02874	.00045	-.00010	.00004

BTWT-1431CAS K1 F0 H15.6 V9.1

(RGM048) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = -10.000 ELV-OB = -7.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000

RUN NO. 228/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.03070	-.39980	.06710	.30190	-.01230	.00410	- .00100
.600	-1.000	.03520	-.29830	.05650	.27270	-.01150	.00400	- .00120
.600	.000	.03300	-.19430	.04920	.24430	-.01170	.00420	- .00110
.600	1.000	.03310	-.09550	.04520	.21750	-.01210	.00440	- .00110
.600	2.000	.03520	.00160	.04330	.19050	-.01160	.00440	- .00110
.600	3.000	.03450	.09840	.04280	.16410	-.01040	.00400	- .00090
.600	4.000	.03560	.19500	.04350	.13800	-.00950	.00370	- .00080
.600	5.000	.03530	.29320	.04600	.11320	-.00900	.00340	- .00090
.600	6.000	.03310	.39130	.05050	.09170	-.00830	.00320	- .00090
.600	7.000	.03130	.49360	.05740	.07250	-.00790	.00320	- .00070
.600	8.000	.03220	.59770	.06930	.05880	-.00790	.00320	- .00050
.600	9.000	.03200	.69390	.08870	.05220	-.00870	.00330	- .00030
.600	10.000	.03770	.78050	.11260	.04140	-.01030	.00390	- .00020
.600	11.000	.04040	.85960	.13670	.01780	-.01090	.00430	- .00050
.600	12.000	.04010	.92330	.16070	-.01790	-.01060	.00430	- .00040
	GRADIENT	.00049	.09872	-.00278	-.02693	.00045	-.00008	.00004

BTWT-1431CA5 K1 F0 H15.6 V9.1 AT38 AT39

(RGM050) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000. STAB = 1.000
 RUD-U = 15.000 RUD-L = 15.000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000

RUN NO. 233/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAH	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.82080	.45350	.05480	-.28190	.25050	-.06780	.02780
.500	-10.000	5.82420	.44680	.05490	-.25300	.21720	-.06320	.02480
.500	-8 000	5 82620	.44260	.05680	-.24980	.17880	-.05510	.02060
.500	-6 000	5 82760	.44180	.06000	-.24620	.14000	-.04590	.01570
.500	-4 000	5.82810	.44410	.06370	-.24060	.10360	-.03730	.01070
.500	-3.000	5.82860	.44640	.06520	-.23900	.08650	-.03340	.00820
.500	-2 000	5.82860	.44860	.06620	-.23920	.06980	-.02960	.00590
.500	-1 000	5.82860	.44970	.06670	-.23960	.05320	-.02610	.00370
.500	.000	5.82810	.44970	.06700	-.23900	.03680	-.02290	.00150
.500	1.000	5.82810	.44930	.06700	-.23740	.02080	-.02010	-.00060
.500	2.000	5.82860	.44830	.06680	-.23400	.00490	-.01750	-.00270
.500	3.000	5.83010	.44700	.06630	-.23040	-.01090	-.01480	-.00490
.500	4.000	5.83010	.44620	.06530	-.22880	-.02680	-.01170	-.00700
.500	6.000	5.82860	.44710	.06230	-.23440	-.06180	-.00410	-.01140
.500	8.000	5.82620	.45150	.05910	-.25020	-.10210	.00540	-.01620
.500	10.000	5.82280	.46020	.05580	-.27390	-.14580	.01620	-.02090
.500	12 000	5 81740	.47330	.05240	-.29990	-.18760	.02620	-.02430
GRADIENT		.00020	.00015	.00019	.00143	-.01627	.00314	-.00219

RUN NO. 232/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAH	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.81490	.46420	.05620	-.24770	.25050	-.06660	.02800
.600	-10.000	5.81790	.45880	.05620	-.24110	.22030	-.06320	.02500
.600	-8.000	5.81980	.45410	.05740	-.24020	.18220	-.05550	.02080
.600	-6 000	5 82130	.45270	.06030	-.23900	.14260	-.04640	.01590
.600	-4.000	5.82180	.45490	.06410	-.23370	.10490	-.03720	.01060
.600	-3.000	5 82180	.45650	.06570	-.23260	.08670	-.03290	.00810
.600	-2.000	5.82180	.45750	.06660	-.23370	.06870	-.02860	.00590
.600	-1 000	5 82230	.45810	.06700	-.23630	.05090	-.02470	.00350
.600	.000	5 82230	.45840	.06730	-.23660	.03410	-.02160	.00120
.600	1 000	5 82280	.45840	.06740	-.23170	.01860	-.01920	-.00100
.600	2.000	5.82320	.45790	.06730	-.22460	.00290	-.01690	-.00300
.600	3.000	5.82370	.45730	.06680	-.21930	-.01350	-.01410	-.00500
.600	4.000	5 82370	.45780	.06580	-.21940	-.03050	-.01080	-.00720
.600	6.000	5.82230	.46120	.06280	-.23200	-.06670	-.00310	-.01190
.600	8 000	5 82030	.46580	.05970	-.25060	-.10680	.00640	-.01680
.600	10.000	5.81740	.47240	.05690	-.27160	-.15020	.01710	-.02140
.600	12 000	5 81300	.48290	.05440	-.29760	-.19550	.02840	-.02500
GRADIENT		.00028	.00025	.00020	.00200	-.01677	.00318	-.00221

BTWT-1431CAS K1 FD H15.6 V9.1 AT38 AT39

(RGM051) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000

RUN NO. 234/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.699	-12.000	5.80030	.49290	.05290	-.25600	22490	- 04830	02760
.699	-10.000	5.80470	.48570	.05300	-.24010	18700	-.04060	02380
.699	-8.000	5.80860	.47760	.05500	-.22640	.14240	-.03000	01920
.699	-6.000	5.81150	.47270	.05840	-.21750	.09880	-.01930	01410
.699	-4.000	5.81300	.47170	.06220	-.21500	06020	- 01020	00870
.699	-3.000	5.81350	.47180	.06350	- 21660	04280	- 00640	00620
.699	-2.000	5.81400	.47160	.06430	-.22030	.02620	- 00310	00380
.699	-1.000	5.81400	.47230	.06460	- 22500	.00970	-.00020	00130
.699	.000	5.81400	.47340	.06470	-.22740	-.00640	.00240	-.00130
.699	1.000	5.81400	.47400	.06470	-.22480	-.02240	.00480	-.00360
.699	2.000	5.81490	.47430	.06430	-.21980	-.03950	00750	- 00590
.699	3.000	5.81490	.47500	.06340	-.21730	-.05810	.01100	-.00830
.699	4.000	5.81450	.47690	.06220	-.22040	-.07830	01550	- 01090
.699	6.000	5.81350	.48220	.05940	- 23420	-.12080	02560	- 01620
.699	8.000	5.81200	.48770	.05670	- 24570	-.16330	03530	- 02130
.699	10.000	5.81100	.49310	.05510	-.25430	-.20320	.04340	-.02560
.699	12.000	5.80710	.50120	.05620	-.27010	-.23890	.04930	-.02830
	GRADIENT	.00020	.00063	- 00001	-.00037	-.01700	.00302	-.00244

BTWT-1431CA5 K1 F0 H15 6 V9 I AT38 AT39

(RGM052) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000

RUN NO. 238/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
600	-2 000	02700	-.32270	.07190	-.01730	-.01030	.00310	-.00110
600	-1.000	03000	-.22090	.06260	-.04740	-.00950	.00320	-.00150
.600	.000	03460	-.11840	.05670	-.07670	-.00910	.00310	-.00140
.600	1 000	03170	-.02050	.05390	-.10540	-.00880	.00310	-.00130
600	2.000	.03160	.07690	.05320	-.13530	-.00870	.00320	-.00130
.600	3 000	03810	.17380	.05390	-.16490	-.00810	.00310	-.00130
600	4 000	03800	.27010	.05580	-.19370	-.00760	.00290	-.00120
600	5 000	.03080	.36660	.05940	-.22040	-.00700	.00270	-.00120
.600	6.000	02640	.46530	.06490	-.24360	-.00590	.00230	-.00120
600	7.000	03050	.56840	.07290	-.26150	-.00510	.00210	-.00120
600	8.000	.03680	.66900	.08570	-.26600	-.00520	.00200	-.00050
600	9.000	.03920	.76090	.10570	-.26070	-.00590	.00220	-.00010
.600	10 000	.04110	.84530	.13000	-.26060	-.00710	.00270	-.00050
.600	11 000	04870	.92130	.15440	-.27250	-.00780	.00310	-.00100
600	12 000	.04880	.98090	.17850	-.29250	-.00740	.00310	-.00080
	GRADIENT	.00092	.09826	-.00155	-.02914	.00042	-.00005	.00001

RUN NO. 237/ 0 RN/L = 3.45 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.03650	-.34640	.07450	-.01370	-.01060	.00290	-.00110
.700	-1.000	.04840	-.24150	.06330	-.04040	-.01020	.00280	-.00160
.700	.000	.03650	-.13540	.05670	-.06640	-.00960	.00290	-.00120
.700	1.000	.04030	-.03160	.05290	-.09260	-.00940	.00310	-.00100
.700	2.000	.04520	.07080	.05160	-.12120	-.00920	.00320	-.00110
.700	3.000	.04310	.17330	.05220	-.15110	-.00870	.00310	-.00110
.700	4.000	.04420	.27870	.05450	-.18050	-.00810	.00300	-.00110
.700	5.000	.04550	.38170	.05860	-.20790	-.00720	.00270	-.00110
.700	6.000	.04430	.48980	.06590	-.22880	-.00570	.00230	-.00110
.700	7.000	.04490	.60230	.07920	-.23720	-.00450	.00180	-.00120
.700	8.000	.04600	.70550	.09900	-.23620	-.00500	.00190	-.00160
.700	9.000	.04830	.79190	.12230	-.24570	-.00630	.00230	-.00160
.700	10.000	.04940	.86330	.14450	-.26770	-.00710	.00260	-.00100
.700	11.000	.04570	.92370	.16580	-.29570	-.00700	.00250	-.00040
.700	12.000	.04070	.97090	.18870	-.32310	-.00590	.00210	.00040
	GRADIENT	.00079	.10376	-.00202	-.02789	.00044	.00000	.00003

BTWT-1431CAS K1 F0 H15 6 V9.1 AT38 1 AT39

(RGM053) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-IB = 000 ELV-OB = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000

RUN NO 242/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.599	-2.000	.03220	-.31970	.07270	-.01230	-.00990	.00290	-.00110
.599	-1.000	.02980	-.21870	.06350	-.04340	-.00900	.00290	-.00140
.599	.000	.02740	-.11570	.05770	-.07490	-.00910	.00310	-.00130
.599	1 000	.02790	-.01690	.05490	-.10370	-.00920	.00320	-.00130
.599	2 000	.02550	.07980	.05420	-.13380	-.00860	.00310	-.00120
.599	3 000	.02130	.17630	.05480	-.16490	-.00790	.00290	-.00120
.599	4 000	.02180	.27290	.05680	-.19420	-.00760	.00280	-.00110
.599	5 000	.02540	.36970	.06050	-.22020	-.00690	.00250	-.00110
.599	6 000	.02650	.46900	.06590	-.24390	-.00580	.00210	-.00130
.599	7 000	.02460	.57180	.07370	-.26290	-.00520	.00190	-.00130
.599	8 000	.02760	.67150	.08630	-.26810	-.00500	.00170	-.00060
.599	9 000	.03440	.76340	.10650	-.26170	-.00570	.00190	.00000
.599	10 000	.03670	.84810	.13100	-.26090	-.00690	.00240	-.00030
.599	11 000	.03240	.92500	.15540	-.27300	-.00750	.00280	-.00100
.599	12 000	.03120	.98570	.17960	-.29030	-.00700	.00270	-.00080
GRADIENT		-.00129	.09829	-.00153	-.02987	.00038	-.00005	.00002

RUN NO. 241/ 0 RN/L = 3.46 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.02150	-.34600	.07570	-.01060	-.01010	.00260	-.00110
.700	-1 000	.02540	-.24080	.06480	-.03770	-.01020	.00280	-.00150
.700	.000	.02600	-.13460	.05790	-.06470	-.00960	.00290	-.00120
.700	1 000	.02360	-.03230	.05440	-.09080	-.00890	.00290	-.00090
.700	2 000	.03000	.07170	.05290	-.11830	-.00850	.00300	-.00090
.700	3 000	.03320	.17500	.05340	-.14830	-.00810	.00290	-.00100
.700	4 000	.03150	.27890	.05520	-.17910	-.00760	.00280	-.00100
.700	5 000	.02970	.38350	.06000	-.20780	-.00680	.00260	-.00100
.700	6 000	.03280	.49030	.06710	-.22880	-.00560	.00220	-.00090
.700	7 000	.03170	.60090	.08040	-.23590	-.00440	.00170	-.00130
.700	8 000	.03290	.70430	.10050	-.23450	-.00490	.00180	-.00170
.700	9 000	.03650	.79170	.12360	-.24320	-.00630	.00230	-.00140
.700	10 000	.03450	.86540	.14580	-.26720	-.00700	.00250	-.00060
.700	11 000	.03000	.92610	.16700	-.29600	-.00690	.00240	-.00020
.700	12 000	.03270	.97080	.18950	-.32340	-.00590	.00200	.00030
GRADIENT		.00138	.10402	-.00202	-.02816	.00049	.00000	.00005

BTWT-1431CA5 K1 F0 H15.1A

(R0M055) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1.900
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 251/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.79100	.61180	.03830	-.16450	.06530	.01830	.02610
.150	-10.000	5.79590	.60670	.03940	-.15120	.04710	.01610	.02220
.150	-8.000	5.79830	.60030	.04020	-.13180	.02660	.01380	.01720
.150	-6.000	5.80030	.59450	.04050	-.11560	.01020	.01120	.01190
.150	-4.000	5.80080	.59120	.04020	-.10890	-.00040	.00810	.00660
.150	-3.000	5.80080	.59060	.04000	-.11150	-.00450	.00640	.00430
.150	-2.000	5.79980	.59090	.03980	-.11760	-.00890	.00450	.00230
.150	-1.000	5.79930	.59150	.03950	-.12330	-.01400	.00250	.00030
.150	.000	5.79880	.59190	.03920	-.12630	-.01930	.00060	-.00190
.150	1.000	5.79930	.59170	.03900	-.12630	-.02450	-.00130	-.00430
.150	2.000	5.79980	.59130	.03870	-.12600	-.02980	-.00310	-.00660
.150	3.000	5.79880	.59030	.03820	-.12670	-.03570	-.00480	-.00890
.150	4.000	5.79790	.58850	.03750	-.12750	-.04260	-.00630	-.01110
.150	6.000	5.79590	.58570	.03550	-.13050	-.05870	-.00890	-.01560
.150	8.000	5.79300	.58710	.03320	-.13750	-.07580	-.01090	-.02010
.150	10.000	5.79000	.58980	.03130	-.14760	-.09130	-.01300	-.02430
.150	12.000	5.78960	.58560	.03140	-.15770	-.10260	-.01650	-.02770
GRADIENT	-.00029	-.00018	-.00032	-.00233	-.00524	-.00184	-.00221	

RUN NO 250/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79100	.55820	.03290	-.14160	.08460	.01600	.02590
.300	-10.000	5.79350	.55410	.03430	-.12900	.06510	.01370	.02200
.300	-8.000	5.79690	.54890	.03520	-.11940	.04490	.01160	.01760
.300	-6.000	5.79830	.54790	.03600	-.11360	.02720	.00960	.01300
.300	-4.000	5.79880	.55160	.03680	-.11200	.01340	.00730	.00830
.300	-3.000	5.79830	.55440	.03720	-.11250	.00780	.00570	.00600
.300	-2.000	5.79830	.55650	.03750	-.11350	.00280	.00390	.00380
.300	-1.000	5.79830	.55670	.03770	-.11490	-.00220	.00190	.00150
.300	.000	5.79830	.55570	.03780	-.11610	-.00750	-.00010	-.00070
.300	1.000	5.79790	.55520	.03770	-.11620	-.01330	-.00200	-.00300
.300	2.000	5.79830	.55600	.03750	-.11650	-.01930	-.00380	-.00530
.300	3.000	5.79880	.55760	.03720	-.11770	-.02570	-.00540	-.00770
.300	4.000	5.79790	.55930	.03680	-.11920	-.03270	-.00680	-.01010
.300	6.000	5.79490	.56210	.03590	-.12500	-.04860	-.00890	-.01480
.300	8.000	5.79250	.56420	.03480	-.13620	-.06610	-.01090	-.01930
.300	10.000	5.79050	.56580	.03320	-.15030	-.08420	-.01300	-.02360
.300	12.000	5.78760	.56670	.03090	-.16080	-.10200	-.01590	-.02750
GRADIENT	-.00004	.00063	.00000	-.00088	-.00567	-.00182	-.00229	

BTWT-1431CAS KI FO HIS.1A

(RQM055) (21 JAN 75)

REFERENCE DATA

SREF = 3500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1.900
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 249/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79220	.56550	.03120	-.114090	.06950	.01540	.02720
.500	-10.000	5.79560	.56200	.03230	-.12910	.07130	.01290	.02310
.500	-8.000	5.79050	.55760	.03310	-.11680	.05170	.01100	.01870
.500	-6.000	5.79200	.55600	.03410	-.11130	.03340	.00920	.01390
.500	-4.000	5.79000	.55800	.03540	-.11360	.01820	.00700	.00900
.500	-3.000	5.78960	.55980	.03610	-.11470	.01210	.00550	.00650
.500	-2.000	5.79000	.56170	.03650	-.11430	.00680	.00360	.00420
.500	-1.000	5.79000	.56340	.03680	-.11430	.00150	.00160	.00180
.500	.000	5.78960	.56490	.03680	-.11600	-.00460	-.00030	-.00060
.500	1.000	5.78910	.56620	.03670	-.11730	-.01150	-.00210	-.00310
.500	2.000	5.78810	.56680	.03660	-.11800	-.01860	-.00380	-.00550
.500	3.000	5.78810	.56670	.03630	-.11820	-.02560	-.00550	-.00800
.500	4.000	5.78760	.56610	.03600	-.11840	-.03300	-.00690	-.01050
.500	6.000	5.78610	.56630	.03510	-.12430	-.04900	-.00900	-.01540
.500	8.000	5.78320	.56680	.03390	-.13860	-.06660	-.01080	-.02010
.500	10.000	5.77980	.57250	.03230	-.15520	-.08540	-.01280	-.02450
.500	12.000	5.77730	.57420	.02990	-.15990	-.10530	-.01530	-.02850
	GRADIENT	-.00031	.00110	.00005	-.00067	-.00636	-.00178	-.00243

RUN NO 248/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.77390	.58070	.03180	-.13630	.09460	.01500	.02830
.600	-10.000	5.77640	.57810	.03210	-.12200	.07570	.01270	.02420
.600	-8.000	5.78080	.57180	.03260	-.10920	.05560	.01090	.01950
.600	-6.000	5.78270	.56850	.03380	-.10420	.03670	.00920	.01450
.600	-4.000	5.78270	.57060	.03530	-.10780	.02070	.00700	.00920
.600	-3.000	5.78220	.57260	.03610	-.11090	.01410	.00540	.00670
.600	-2.000	5.78170	.57400	.03670	-.11300	.00840	.00340	.00410
.600	-1.000	5.78170	.57450	.03690	-.11390	.00260	.00130	.00160
.600	.000	5.78220	.57460	.03690	-.11390	-.00400	-.00050	-.00100
.600	1.000	5.78170	.57540	.03670	-.11360	-.01140	-.00210	-.00370
.600	2.000	5.78080	.57700	.03640	-.11430	-.01910	-.00370	-.00620
.600	3.000	5.77980	.57920	.03620	-.11550	-.02670	-.00530	-.00860
.600	4.000	5.77880	.57900	.03590	-.11610	-.03450	-.00680	-.01110
.600	6.000	5.77780	.58060	.03490	-.11970	-.05130	-.00920	-.01610
.600	8.000	5.77590	.58410	.03350	-.13070	-.07030	-.01110	-.02100
.600	10.000	5.77340	.58850	.03210	-.14670	-.09090	-.01270	-.02560
.600	12.000	5.77000	.59030	.03120	-.16000	-.11100	-.01490	-.02950
	GRADIENT	-.00041	.00096	.00003	-.00082	-.00687	-.00175	-.00255

BTWT-1431CA5 K1 FO H15.1A

(RGM055) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1.900
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 247/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.75590	.62290	.03540	-.12350	.10600	.01400	.03330
.700	-10.000	5.75980	.61750	.03510	-.11030	.08720	.01160	.02850
.700	-8.000	5.76460	.60690	.03510	-.09330	.06490	.01020	.02280
.700	-6.000	5.76860	.59850	.03590	-.08550	.04350	.00860	.01670
.700	-4.000	5.77000	.59530	.03730	-.09030	.02520	.00640	.01050
.700	-3.000	5.77000	.59490	.03790	-.09510	.01740	.00490	.00750
.700	-2.000	5.76950	.59460	.03830	-.09860	.01040	.00310	.00460
.700	-1.000	5.76950	.59430	.03840	-.09990	.00340	.00130	.00180
.700	.000	5.76900	.59460	.03840	-.10020	-.00410	-.00040	-.00110
.700	1.000	5.76900	.59530	.03850	-.10120	-.01230	-.00200	-.00400
.700	2.000	5.76900	.59620	.03850	-.10260	-.02070	-.00350	-.00690
.700	3.000	5.76860	.59800	.03830	-.10350	-.02920	-.00500	-.00980
.700	4.000	5.76710	.60090	.03810	-.10440	-.03800	-.00640	-.01280
.700	6.000	5.76370	.60800	.03750	-.11000	-.05690	-.00880	-.01870
.700	8.000	5.75980	.61490	.03650	-.12250	-.07770	-.01060	-.02430
.700	10.000	5.75490	.62240	.03580	-.13890	-.09990	-.01220	-.02940
.700	12.000	5.74950	.63170	.03550	-.15090	-.12120	-.01440	-.03390
	GRADIENT	-.00029	.00060	.00008	-.00151	-.00784	-.00162	-.00290

BTWT-1431CA5 K1 F20 H15.1A

(RGM056) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 255/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
500	-12.000	5.59720	1.09390	.08890	-.33730	.10520	.01170	.03100
.500	-10.000	5.59910	1.09290	.09000	-.31540	.08160	.01060	.02580
500	-8 000	5.60110	1.09160	.09100	-.29440	.05830	.00960	.02040
500	-6.000	5.60210	1.09270	.09190	-.28130	.03730	.00840	.01460
.500	-4 000	5.60210	1.09660	.09260	-.27840	.01920	.00690	.00860
500	-3.000	5.60110	1.09900	.09280	-.28020	.01110	.00530	.00560
500	-2.000	5.60010	1.10110	.09300	-.28330	.00380	.00380	.00260
.500	-1.000	5.59860	1.10230	.09310	-.28630	-.00270	.00210	-.00040
.500	.000	5.59860	1.10280	.09330	-.28840	-.00820	.00020	-.00350
500	1.000	5.59910	1.10240	.09340	-.28900	-.01310	-.00170	-.00650
.500	2.000	5.59960	1.10130	.09340	-.28710	-.01840	-.00350	-.00950
.500	3.000	5.59960	1.09950	.09330	-.28400	-.02520	-.00490	-.01260
.500	4.000	5.59960	1.09770	.09290	-.28210	-.03360	-.00600	-.01560
.500	6.000	5.59960	1.09530	.09190	-.28520	-.05320	-.00770	-.02160
500	8 000	5.59910	1.09390	.09070	-.28660	-.07390	-.00910	-.02710
500	10.000	5.59810	1.09280	.08940	-.31490	-.09430	-.01070	-.03210
.500	12.000	5.59670	1.09070	.08850	-.33520	-.11500	-.01300	-.03680
GRADIENT	-.00025	.00011	.00006	-.00061	-.00625	-.00165	-.00303	

RUN NO 254/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
600	-12 000	5.58740	1.12730	.09430	-.33940	.11120	.01110	.03020
.600	-10.000	5.58690	1.13320	.09510	-.32060	.08810	.01000	.02510
.600	-8.000	5.58790	1.13260	.09600	-.29820	.06330	.00940	.01970
.600	-6 000	5.58890	1.13210	.09650	-.28380	.04050	.00830	.01410
600	-4 000	5.58890	1.13460	.09660	-.28180	.02150	.00630	.00820
.600	-3.000	5.58840	1.13730	.09660	-.28460	.01320	.00500	.00520
.600	-2.000	5.58790	1.14030	.09680	-.28810	.00560	.00350	.00230
600	-1 000	5.58690	1.14260	.09720	-.29160	-.00150	.00190	-.00070
.600	.000	5.58590	1.14370	.09750	-.29460	-.00780	.00020	-.00360
600	1.000	5.58540	1.14320	.09760	-.29550	-.01380	-.00160	-.00660
.600	2.000	5.58590	1.14120	.09740	-.29340	-.02060	-.00330	-.00950
.600	3.000	5.58590	1.13930	.09720	-.29000	-.02870	-.00470	-.01250
.600	4.000	5.58540	1.13760	.09720	-.28750	-.03780	-.00580	-.01540
.600	6 000	5.58450	1.13490	.09730	-.28990	-.05630	-.00750	-.02120
.600	8.000	5.58500	1.13180	.09660	-.30270	-.08040	-.00880	-.02680
.600	10.000	5.58590	1.12880	.09530	-.32290	-.10260	-.01030	-.03190
.600	12.000	5.58450	1.12680	.09490	-.34060	-.12400	-.01240	-.03640
GRADIENT	-.00045	.00034	.00010	-.00089	-.00713	-.00158	-.00295	

ORIGINAL PAGE IS OF POOR QUALITY

BTWT-1431CAS K1 F20 H15.1A

(RGM056) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000

RUN NO. 253/ 0 , RN/L = 3.40 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.59960	1.10960	.10490	-.32070	.12200	.00870	.01740
.700	-10.000	5.59280	1.12770	.10470	-.30420	.09770	.00820	.01640
.700	-8.000	5.58790	1.13730	.10470	-.29560	.07180	.00760	.01440
.700	-6.000	5.58450	1.14500	.10460	-.29410	.04760	.00650	.01100
.700	-4.000	5.58150	1.15370	.10450	-.29870	.02700	.00480	.00640
.700	-3.000	5.58010	1.15860	.10440	-.30260	.01800	.00380	.00390
.700	-2.000	5.57960	1.16310	.10450	-.30690	.00970	.00260	.00140
.700	-1.000	5.57910	1.16630	.10480	-.31150	.00180	.00130	-.00140
.700	.000	5.57860	1.16770	.10540	-.31520	-.00640	-.00020	-.00430
.700	1.000	5.57810	1.16700	.10600	-.31500	-.01490	-.00170	-.00720
.700	2.000	5.57860	1.16460	.10610	-.31010	-.02440	-.00280	-.00970
.700	3.000	5.57960	1.16080	.10590	-.30300	-.03500	-.00350	-.01170
.700	4.000	5.58110	1.15610	.10570	-.29730	-.04640	-.00380	-.01360
.700	6.000	5.58400	1.14500	.10580	-.29170	-.06990	-.00460	-.01690
.700	8.000	5.58890	1.13050	.10630	-.29200	-.09230	-.00610	-.01870
.700	10.000	5.59470	1.11330	.10710	-.30060	-.11380	-.00800	-.01930
.700	12.000	5.60060	1.09500	.10780	-.31960	-.13780	-.00930	-.01990
	GRADIENT	-.00010	.00033	.00023	-.00009	-.00895	-.00117	-.00258

BTWT-1431CAS KJ F20 H15.1A V9.1

(RGM057) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000

RUN NO. 259/ 0 RN/L = 1.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.61910	1.04000	.07670	-.36690	.20200	-.04060	.03640
300	-10.000	5.61670	1.04090	.08020	-.34630	.16260	-.03280	.03070
.300	-8.000	5.61910	1.03940	.08370	-.32280	.12080	-.02340	.02410
.300	-6.000	5.62160	1.03800	.08690	-.30440	.08170	-.01480	.01700
.300	-4.000	5.62210	1.03800	.08930	-.28540	.04760	-.00800	.00990
.300	-3.000	5.62160	1.03940	.09030	-.26530	.03250	-.00520	.00650
.300	-2.000	5.62110	1.04150	.09090	-.24740	.01830	-.00250	.00330
.300	-1.000	5.62010	1.04270	.09130	-.23000	.00490	-.00010	.00000
.300	.000	5.62060	1.04320	.09140	-.21190	-.00810	.00200	-.00330
300	1.000	5.62160	1.04410	.09130	-.20180	-.02090	.00430	-.00640
.300	2.000	5.62210	1.04460	.09090	-.20050	-.03400	.00650	-.00960
.300	3.000	5.62210	1.04390	.09020	-.20030	-.04800	.00910	-.01300
.300	4.000	5.62210	1.04220	.08900	-.20250	-.06360	.01200	-.01660
.300	6.000	5.62060	1.03930	.08580	-.21430	-.09920	.01940	-.02390
.300	8.000	5.61910	1.03970	.08230	-.23250	-.13860	.02770	-.03080
300	10.000	5.61910	1.04240	.07910	-.25170	-.17880	.03600	-.03710
.300	12.000	5.61910	1.04170	.07660	-.26240	-.21510	.04260	-.04270
	GRADIENT	.00008	.00063	-.00003	-.00086	-.01361	.00242	-.00328

RUN NO 258/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
500	-12.000	5.60300	1.09020	.08200	-.37350	.20610	-.04020	.03600
.500	-10.000	5.60160	1.09420	.08340	-.36880	.16830	-.03400	.03070
.500	-8.000	5.60300	1.09330	.08590	-.34880	.12500	-.02440	.02410
.500	-6.000	5.60400	1.09300	.08810	-.33040	.08410	-.01530	.01700
.500	-4.000	5.60450	1.09590	.09210	-.32180	.04930	-.00830	.01010
.500	-3.000	5.60400	1.09890	.09320	-.32190	.03360	-.00550	.00670
.500	-2.000	5.60350	1.10190	.09380	-.32380	.01850	-.00280	.00340
500	-1.000	5.60400	1.10290	.09420	-.32580	.00420	-.00040	.00010
.500	.000	5.60450	1.10280	.09450	-.32710	-.00940	.00170	-.00320
500	1.000	5.60400	1.10210	.09450	-.32700	-.02330	.00390	-.00650
.500	2.000	5.60400	1.10070	.09430	-.32560	-.03750	.00630	-.00990
.500	3.000	5.60500	1.09880	.09340	-.32410	-.05240	.00900	-.01320
.500	4.000	5.60550	1.09720	.09200	-.32500	-.06880	.01230	-.01670
.500	6.000	5.60500	1.09550	.08840	-.33510	-.10590	.02020	-.02390
.500	8.000	5.60450	1.09590	.08520	-.35160	-.14710	.02890	-.03070
500	10.000	5.60550	1.09610	.08300	-.36810	-.18870	.03720	-.03700
500	12.000	5.60690	1.08980	.08110	-.37430	-.22560	.04340	-.04230
	GRADIENT	.00013	.00003	.00003	-.00040	-.01450	.00247	-.00333

BTWT-1431CA5 K1 F20 H15.1A V9.1

(R0M057) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO 257/ 0 RN/L = 3.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.59180	1.12570	.08840	-.37610	.21320	-.04100	.03470
.600	-10.000	5.58980	1.13280	.08890	-.37500	.17830	-.03640	.02990
.600	-8.000	5.58940	1.13440	.09120	-.35730	.13330	-.02670	.02340
.600	-6.000	5.58840	1.13500	.09410	-.34040	.08930	-.01670	.01630
.600	-4.000	5.58690	1.13720	.09670	-.33330	.05180	-.00900	.00940
.600	-3.000	5.58740	1.13950	.09770	-.33340	.03520	-.00590	.00600
.600	-2.000	5.58790	1.14230	.09840	-.33480	.01960	-.00320	.00280
.600	-1.000	5.58840	1.14440	.09890	-.33750	.00510	-.00070	-.00030
.600	.000	5.58840	1.14470	.09930	-.34050	-.00870	.00140	-.00350
.600	1.000	5.58940	1.14330	.09940	-.34160	-.02300	.00370	-.00680
.600	2.000	5.58980	1.14100	.09910	-.33980	-.03840	.00630	-.01000
.600	3.000	5.58980	1.13970	.09820	-.33700	-.05500	.00930	-.01330
.600	4.000	5.58980	1.13680	.09710	-.33640	-.07290	.01280	-.01680
.600	6.000	5.59080	1.13510	.09430	-.34320	-.11290	.02130	-.02380
.600	8.000	5.59180	1.13350	.09150	-.35600	-.15680	.03100	-.03070
.600	10.000	5.59420	1.12990	.08950	-.36960	-.19960	.03940	-.03670
.600	12.000	5.59620	1.12130	.08920	-.37480	-.23280	.04260	-.04100
	GRADIENT	.00039	-.00013	.00008	-.00062	-.01522	.00260	-.00325

RUN NO. 258/ 0 RN/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.60400	1.10790	.09900	-.35610	.23020	-.04700	.02220
.700	-10.000	5.59230	1.13230	.09930	-.35320	.19280	-.04050	.02120
.700	-8.000	5.58690	1.14590	.10100	-.34980	.14530	-.02990	.01800
.700	-6.000	5.58450	1.15430	.10290	-.34740	.09910	-.01940	.01330
.700	-4.000	5.58300	1.16080	.10470	-.34820	.05950	-.01100	.00790
.700	-3.000	5.58250	1.16420	.10530	-.35080	.04220	-.00760	.00510
.700	-2.000	5.58200	1.16780	.10590	-.35500	.02560	-.00450	.00230
.700	-1.000	5.58200	1.17040	.10660	-.35920	.00890	-.00160	-.00050
.700	.000	5.58150	1.17100	.10720	-.36190	-.00750	.00120	-.00350
.700	1.000	5.58150	1.16940	.10770	-.36190	-.02400	.00390	-.00660
.700	2.000	5.58300	1.16560	.10740	-.35830	-.04180	.00710	-.00950
.700	3.000	5.58500	1.16090	.10660	-.35230	-.06150	.01090	-.01230
.700	4.000	5.58690	1.15670	.10570	-.34630	-.08230	.01530	-.01500
.700	6.000	5.59180	1.14710	.10380	-.33940	-.12620	.02500	-.01950
.700	8.000	5.59910	1.13150	.10200	-.33840	-.17100	.03490	-.02220
.700	10.000	5.60790	1.11000	.10130	-.33780	-.21120	.04230	-.02330
.700	12.000	5.61720	1.08620	.10340	-.32470	-.23990	.04330	-.02440
	GRADIENT	.00041	-.00053	.00020	-.00010	-.01743	.00316	-.00289

BTWT-1431CA5 K1 F20 H15.1A V9.1

(R0M058) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 284/ 0 RN/L = .95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.06240	.23300	.07350	-.11720	-.00910	.00140	-.00120
.150	-1.000	-.06090	.39300	.06660	-.14980	-.01140	.00170	-.00130
.150	000	-.06720	.49620	.06680	-.17310	-.01160	.00190	-.00180
.150	1.000	-.06510	.56510	.06600	-.20100	-.01090	.00190	-.00220
.150	2.000	-.06420	.66110	.06850	-.23330	-.01100	.00200	-.00240
.150	3.000	-.06240	.78770	.07250	-.26290	-.01230	.00220	-.00230
.150	4.000	-.06150	.88870	.07780	-.28430	-.01390	.00240	-.00240
.150	5.000	-.06260	.98440	.08470	-.30270	-.01460	.00250	-.00270
.150	6.000	-.06300	1.08180	.09340	-.32550	-.01450	.00260	-.00300
.150	7.000	-.06140	1.18050	.10360	-.35020	-.01340	.00250	-.00310
.150	8.000	-.05930	1.27480	.11450	-.37460	-.01300	.00250	-.00300
.150	9.000	-.05830	1.36270	.12590	-.39730	-.01390	.00240	-.00290
.150	10.000	-.05740	1.44740	.13850	-.41890	-.01410	.00210	-.00320
.150	11.000	-.05720	1.53330	.15240	-.44110	-.01190	.00190	-.00340
.150	12.000	-.05720	1.61410	.16760	-.46340	-.00960	.00180	-.00330
GRADIENT		.00013	.10368	.00175	-.02705	-.00063	.00015	-.00021

RUN NO. 283/ 0 RN/L = 1.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.06020	.21180	.07680	-.08630	-.00450	.00020	-.00120
.300	-1.000	-.05630	.38130	.07190	-.12830	-.00630	.00090	-.00170
.300	000	-.05390	.49060	.06980	-.15660	-.00720	.00110	-.00220
.300	1.000	-.05750	.57930	.06980	-.18230	-.00810	.00120	-.00250
.300	2.000	-.05590	.67660	.07170	-.21060	-.00910	.00130	-.00270
.300	3.000	-.05470	.78760	.07570	-.24070	-.00990	.00150	-.00300
.300	4.000	-.05540	.89390	.08100	-.26850	-.01060	.00170	-.00320
.300	5.000	-.05580	.99370	.08760	-.29410	-.01130	.00180	-.00330
.300	6.000	-.05380	1.09610	.09590	-.32020	-.01130	.00180	-.00320
.300	7.000	-.05260	1.20060	.10570	-.34740	-.01030	.00170	-.00320
.300	8.000	-.05360	1.30130	.11700	-.37390	-.00920	.00160	-.00340
.300	9.000	-.05360	1.39440	.12940	-.39870	-.00880	.00170	-.00360
.300	10.000	-.05310	1.48400	.14260	-.42330	-.00900	.00170	-.00370
.300	11.000	-.05340	1.57230	.15640	-.44800	-.00930	.00170	-.00340
.300	12.000	-.05270	1.65390	.17140	-.47520	-.00980	.00180	-.00280
GRADIENT		.00041	.10744	.00168	-.02900	-.00093	.00020	-.00030

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CA5 K1 F20 H15 1A V9.1

(RGM058) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 265/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.05530	.22240	.07600	-.10230	-.00440	.00020	-.00190
.500	-1.000	-.05690	.35120	.07140	-.13210	-.00420	.00020	-.00220
.500	.000	-.05820	.47580	.06950	-.16400	-.00550	.00060	-.00260
.500	1.000	-.06010	.59380	.07000	-.19610	-.00710	.00100	-.00290
.500	2.000	-.06100	.70790	.07240	-.22690	-.00820	.00130	-.00310
.500	3.000	-.06040	.82190	.07640	-.25720	-.00870	.00150	-.00330
.500	4.000	-.06070	.93320	.08210	-.28650	-.00890	.00160	-.00340
.500	5.000	-.05970	1.04250	.08960	-.31450	-.00900	.00170	-.00350
.500	6.000	-.05710	1.15160	.09900	-.34150	-.00850	.00170	-.00370
.500	7.000	-.05640	1.26010	.11060	-.36730	-.00790	.00160	-.00400
.500	8.000	-.05820	1.36330	.12400	-.39170	-.00720	.00140	-.00430
.500	9.000	-.05900	1.45620	.13880	-.41400	-.00690	.00130	-.00440
.500	10.000	-.05540	1.53600	.15490	-.43220	-.00670	.00140	-.00390
.500	11.000	-.05050	1.60270	.17270	-.44410	-.00700	.00150	-.00320
.500	12.000	-.04850	1.64840	.19190	-.43890	-.00710	.00140	-.00280
GRADIENT		-.00068	.11670	.00205	-.03057	-.00079	.00024	-.00023

RUN NO 261/ 0 RN/L = 3.08 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.05090	.20780	.07610	-.10410	-.00480	.00030	-.00200
.600	-1.000	-.05390	.34950	.07100	-.14310	-.00510	.00010	-.00230
.600	.000	-.05890	.48460	.06900	-.17700	-.00580	.00030	-.00270
.600	1.000	-.06270	.61110	.06970	-.20870	-.00660	.00060	-.00290
.600	2.000	-.06310	.73110	.07280	-.24010	-.00710	.00080	-.00300
.600	3.000	-.05920	.85020	.07780	-.27230	-.00720	.00100	-.00330
.600	4.000	-.05280	.96770	.08450	-.30260	-.00730	.00110	-.00350
.600	5.000	-.04780	1.08120	.09320	-.32870	-.00730	.00120	-.00380
.600	6.000	-.04540	1.19010	.10440	-.34950	-.00720	.00130	-.00400
.600	7.000	-.04550	1.29150	.11850	-.36400	-.00740	.00140	-.00390
.600	8.000	-.04770	1.37810	.13510	-.37160	-.00800	.00160	-.00340
.600	9.000	-.05010	1.44250	.15420	-.37130	-.00870	.00190	-.00250
.600	10.000	-.05230	1.49740	.17560	-.36490	-.00910	.00210	-.00160
.600	11.000	-.05370	1.52120	.19860	-.35520	-.00950	.00210	-.00110
.600	12.000	-.05080	1.54440	.22370	-.35000	-.00730	.00150	-.00160
GRADIENT		.00031	.12407	.00258	-.03199	-.00040	.00016	-.00024

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 K1 F20 HIS.1A V9.1

(RGM058) (21 JAN 75)

REFERENCE DATA

SREF * 5500.0000 SQ.FT. XMRP * 1339.9100 IN. XC
 LREF * 327 8000 IN. YMRP * .0000 IN. YC
 BREF * 2348.0000 IN. ZMRP * 190.7500 IN. ZC
 SCALE * .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO 260/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2 000	- .04660	.16440	.07820	-.10870	-.00410	.00020	- .00150
.700	-1.000	-.05300	.31940	.07250	-.16020	-.00460	.00030	-.00190
.700	.000	- .05380	.46220	.06990	-.20140	-.00510	.00030	- .00220
.700	1 000	-.05050	.59490	.07020	- .23610	- .00540	.00040	-.00230
.700	2 000	-.04520	.72090	.07330	-.26670	-.00550	.00050	-.00230
.700	3 000	- .04120	.85020	.07920	-.29940	-.00560	.00070	- .00260
.700	4 000	- .04250	.98240	.08770	-.33360	-.00600	.00100	- .00320
.700	5.000	-.04180	1.10950	.09950	-.36000	-.00620	.00110	-.00350
.700	6.000	-.03790	1.20950	.11560	-.36320	-.00600	.00120	-.00290
.700	7.000	-.03860	1.27170	.13600	-.34090	-.00590	.00140	- .00210
.700	8 000	-.04140	1.30910	.15870	- .31060	-.00660	.00160	- .00180
.700	9 000	-.04030	1.34790	.18240	-.29560	-.00670	.00160	-.00240
.700	10.000	-.03510	1.39370	.20700	- .30060	- .00480	.00100	- .00320
.700	11.000	-.03320	1.43200	.23190	- .32040	-.00190	.00030	- .00360
.700	12.000	-.04030	1.44020	.25710	- .34380	-.00040	.00020	- .00330
	GRADIENT	.00154	1.3358	.00305	- .03513	-.00028	.00013	-.00026

ORIGINAL PAGE IS
 OF POOR QUALITY

BTWT-1431CA5 K1 F20 H15.6 V9 1

(RGM059) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 269/ 0 RN/L = 1.06 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.172	-2.000	-.06510	.22330	.07510	-.10160	-.01200	.00230	-.00150
.172	-1.000	-.06670	.38460	.07040	-.13690	-.01440	.00270	-.00140
.172	.000	-.06600	.49110	.06810	-.16500	-.01470	.00300	-.00190
.172	1.000	-.06250	.57640	.06790	-.19470	-.01450	.00320	-.00230
.172	2.000	.11950	.67470	.07090	-.23130	-.01740	.00410	-.00270
.172	3.000	-.36270	.78270	.07400	-.26780	-.00690	.00160	-.00140
.172	4.000	-.43380	.88340	.07930	-.29150	-.00740	.00160	-.00130
.172	5.000	3.22880	1.00170	.09490	-.29430	-.09610	.02080	-.01090
.172	6.000	3.26900	1.10240	.10400	-.32230	-.09620	.02090	-.01140
.172	7.000	.60310	1.18810	.10810	-.36460	-.03120	.00710	-.00460
.172	8.000	-.23280	1.26160	.11730	-.39530	-.01070	.00290	-.00220
.172	9.000	-.06640	1.37280	.12930	-.41970	-.01470	.00360	-.00250
.172	10.000	-.06330	1.45510	.14150	-.44330	-.01440	.00330	-.00270
.172	11.000	-.06410	1.53760	.15530	-.46280	-.01290	.00320	-.00320
.172	12.000	-.06620	1.61390	.17050	-.47870	-.01130	.00290	-.00300
	GRADIENT	.24421	.10614	.00243	-.02937	-.00635	.00144	-.00076

RUN NO. 269/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.04780	.21940	.07750	-.08570	-.00590	.00100	-.00210
.500	-1.000	-.05170	.34940	.07270	-.11780	-.00570	.00110	-.00230
.500	.000	-.05640	.47540	.07080	-.15200	-.00690	.00130	-.00260
.500	1.000	-.06040	.59450	.07130	-.18620	-.00810	.00160	-.00280
.500	2.000	-.05910	.70880	.07370	-.22030	-.00910	.00190	-.00300
.500	3.000	-.05500	.82260	.07770	-.25450	-.00980	.00210	-.00320
.500	4.000	-.05560	.93480	.08350	-.28710	-.01030	.00230	-.00340
.500	5.000	-.05960	1.04550	.09100	-.31810	-.01040	.00240	-.00360
.500	6.000	-.06010	1.15600	.10050	-.34860	-.01010	.00240	-.00370
.500	7.000	-.05490	1.26500	.11210	-.37920	-.00960	.00240	-.00380
.500	8.000	-.05180	1.36900	.12560	-.40870	-.00930	.00240	-.00410
.500	9.000	-.05540	1.46350	.14060	-.43520	-.00890	.00240	-.00420
.500	10.000	-.05670	1.54480	.15680	-.45620	-.00860	.00240	-.00380
.500	11.000	-.05880	1.61070	.17440	-.46760	-.00840	.00230	-.00310
.500	12.000	-.05550	1.65500	.19320	-.45940	-.00850	.00210	-.00280
	GRADIENT	-.00115	.11745	.00204	-.03351	-.00076	.00022	-.00021

DATE 20 JUN 75

TABULATED SOURCE DATA - CAB

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BTWT-1431CAS K1 F20 H15.5 V8.1

(ROM059) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 267/ 0 RN/L = 3.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.04810	.20740	.07830	-.09690	-.00530	.00080	-.00200
.600	-1.000	-.05030	.34970	.07320	-.13420	-.00590	.00080	-.00250
.600	.000	-.05170	.48370	.07100	-.16700	-.00660	.00100	-.00280
.600	1.000	-.05290	.60890	.07160	-.19910	-.00700	.00120	-.00290
.600	2.000	-.05260	.73060	.07460	-.23210	-.00690	.00140	-.00290
.600	3.000	-.04830	.85100	.07960	-.26730	-.00760	.00150	-.00320
.600	4.000	-.04520	.97000	.08630	-.30130	-.00820	.00170	-.00350
.600	5.000	-.04410	1.08400	.09500	-.32940	-.00830	.00180	-.00360
.600	6.000	-.04710	1.19310	.10630	-.35300	-.00820	.00210	-.00370
.600	7.000	-.04990	1.29530	.12070	-.37300	-.00860	.00230	-.00370
.600	8.000	-.04810	1.38230	.13720	-.38560	-.00930	.00250	-.00320
.600	9.000	-.04440	1.44570	.15610	-.38740	-.00950	.00250	-.00230
.600	10.000	-.04650	1.49020	.17780	-.38330	-.00970	.00260	-.00150
.600	11.000	-.04900	1.52870	.20110	-.37360	-.01010	.00250	-.00100
.600	12.000	-.04750	1.55470	.22620	-.36720	-.00880	.00210	-.00120
	GRADIENT	.00076	.12454	.00251	-.03330	-.00042	.00016	-.00021

RUN NO. 266/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.05900	.16290	.08080	-.10920	-.00450	.00070	-.00190
.700	-1.000	-.05730	.32090	.07480	-.16190	-.00530	.00090	-.00230
.700	.000	-.05650	.46450	.07220	-.20440	-.00580	.00090	-.00250
.700	1.000	-.05310	.59410	.07250	-.23850	-.00580	.00090	-.00250
.700	2.000	-.05300	.71990	.07550	-.26810	-.00570	.00110	-.00260
.700	3.000	-.05390	.84940	.08120	-.29870	-.00580	.00130	-.00280
.700	4.000	-.05300	.97900	.08980	-.32960	-.00610	.00150	-.00330
.700	5.000	-.05320	1.10670	.10120	-.35640	-.00630	.00160	-.00370
.700	6.000	-.05740	1.21010	.11700	-.36140	-.00650	.00180	-.00320
.700	7.000	-.05470	1.26880	.13750	-.35560	-.00680	.00200	-.00220
.700	8.000	-.04710	1.30520	.16040	-.30680	-.00720	.00220	-.00180
.700	9.000	-.04780	1.34770	.18360	-.29760	-.00760	.00220	-.00230
.700	10.000	-.05200	1.39760	.20820	-.31010	-.00590	.00170	-.00330
.700	11.000	-.05020	1.43330	.23390	-.33460	-.00270	.00100	-.00390
.700	12.000	-.04580	1.44070	.25900	-.35810	-.00130	.00090	-.00390
	GRADIENT	.00083	.13307	.00295	-.03430	-.00020	.00013	-.00022

BTWT-1431CA5 K1 F20 H15 6 V9 1

(RGM060) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 272/ 0 RN/L = 2.77 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.60250	1.08610	.08420	-.36260	.24820	-.06050	.03810
.500	-10.000	5.60110	1.09230	.08500	-.36760	.20390	-.05120	.03320
.500	-8.000	5.60060	1.09270	.08730	-.35130	.15620	-.03920	.02660
.500	-6.000	5.60160	1.09290	.09040	-.33370	.11060	-.02730	.01940
.500	-4.000	5.60250	1.09560	.09350	-.32540	.06970	-.01710	.01230
.500	-3.000	5.60210	1.09810	.09470	-.32570	.05140	-.01270	.00890
.500	-2.000	5.60160	1.10120	.09540	-.32790	.03340	-.00830	.00540
.500	-1.000	5.60060	1.10300	.09590	-.33000	.01350	-.00350	.00150
.500	.000	5.60110	1.10300	.09630	-.33090	-.00740	.00160	-.00270
.500	1.000	5.60210	1.10180	.09630	-.33040	-.02710	.00640	-.00680
.500	2.000	5.60350	1.10010	.09590	-.32920	-.04500	.01070	-.01040
.500	3.000	5.60500	1.09860	.09490	-.32860	-.06200	.01480	-.01370
.500	4.000	5.60500	1.09750	.09330	-.33060	-.08040	.01940	-.01720
.500	6.000	5.60350	1.09590	.08940	-.34110	-.12260	.03030	-.02450
.500	8.000	5.60450	1.09510	.08570	-.35580	-.16790	.04210	-.03140
.500	10.000	5.60690	1.09290	.08340	-.36400	-.21320	.05300	-.03760
.500	12.000	5.60940	1.08440	.08330	-.34780	-.25340	.06050	-.04250
GRADIENT		.00040	.00009	.00002	-.00055	-.01897	.00461	-.00376

RUN NO. 271/ 0 RN/L = 3.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.58840	1.12290	.08870	-.37120	.24110	-.05820	.03530
.600	-10.000	5.58590	1.13200	.08970	-.37750	.20010	-.05020	.03030
.600	-8.000	5.58590	1.13340	.09210	-.36180	.15160	-.03810	.02400
.600	-6.000	5.58690	1.13340	.09510	-.34340	.10430	-.02570	.01680
.600	-4.000	5.58840	1.13530	.09800	-.33380	.06220	-.01510	.00950
.600	-3.000	5.58940	1.13780	.09910	-.33430	.04330	-.01050	.00600
.600	-2.000	5.58940	1.14100	.09990	-.33720	.02520	-.00620	.00280
.600	-1.000	5.58840	1.14330	.10060	-.34050	.00800	-.00210	-.00030
.600	.000	5.58740	1.14380	.10100	-.34320	-.00870	.00180	-.00350
.600	1.000	5.58890	1.14270	.10110	-.34400	-.02610	.00590	-.00680
.600	2.000	5.59030	1.14040	.10060	-.34230	-.04450	.01030	-.01020
.600	3.000	5.59030	1.13810	.09960	-.34050	-.06360	.01490	-.01360
.600	4.000	5.59030	1.13670	.09840	-.34270	-.08370	.01980	-.01710
.600	6.000	5.58980	1.13610	.09540	-.35620	-.12800	.03120	-.02450
.600	8.000	5.59080	1.13480	.09230	-.36880	-.17640	.04360	-.03150
.600	10.000	5.59470	1.12920	.08990	-.37070	-.22360	.05470	-.03740
.600	12.000	5.60110	1.11510	.08960	-.35240	-.26030	.06020	-.04130
GRADIENT		.00021	.00008	.00008	-.00113	-.01795	.00428	-.00329



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 K1 F20 H15.6 V9.1

(RGM060) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000

RUN NO. 270/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.60160	1.10280	.09990	-.34320	.25950	-.06440	.02290
.700	-10.000	5.59030	1.13380	.10050	-.36320	.21670	-.05500	.02270
.700	-8.000	5.58300	1.14720	.10240	-.36640	.16490	-.04180	.01940
.700	-6.000	5.58080	1.15300	.10440	-.35890	.11430	-.02840	.01420
.700	-4.000	5.58150	1.15720	.10620	-.34920	.06990	-.01700	.00830
.700	-3.000	5.58200	1.16020	.10690	-.34840	.05020	-.01220	.00530
.700	-2.000	5.58200	1.16360	.10750	-.35190	.03130	-.00770	.00250
.700	-1.000	5.58110	1.16610	.10840	-.35640	.01260	-.00330	-.00030
.700	.000	5.58110	1.16690	.10920	-.35930	-.00600	.00100	-.00320
.700	1.000	5.58200	1.16520	.10940	-.35860	-.02530	.00550	-.00630
.700	2.000	5.58350	1.16190	.10900	-.35470	-.04590	.01030	-.00920
.700	3.000	5.58500	1.15840	.10820	-.35130	-.06780	.01560	-.01200
.700	4.000	5.58540	1.15660	.10730	-.35250	-.09090	.02140	-.01510
.700	6.000	5.58840	1.15220	.10510	-.36090	-.14050	.03440	-.02090
.700	8.000	5.59620	1.13790	.10260	-.36070	-.19120	.04800	-.02410
.700	10.000	5.60890	1.11190	.10140	-.34170	-.23700	.05880	-.02480
.700	12.000	5.62210	1.07850	.10420	-.29780	-.26910	.06180	-.02460
GRADIENT		.00047	-.00020	.00020	-.00050	-.01982	.00470	-.00291

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CAS K1 F20 H15 6 V9.1

(RGM061) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000

RUN NO 273/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.00130	-.29870	.16400	-.02300	.00520	-.00180	-.00010
.500	-1.000	.00250	-.19080	.15450	-.04800	.00590	- 00190	-.00010
500	000	.00600	- 08230	.14750	-.07570	.00500	-.00170	- 00030
500	1 000	.00590	.02580	.14260	- 10670	.00350	-.00140	- 00050
500	2.000	.00300	.13430	.13940	-.14250	.00200	-.00110	- 00060
.500	3.000	.00010	.24480	.13730	-.18230	.00070	-.00070	-.00060
500	4.000	-.00310	.35350	.13680	-.21910	-.00050	-.00040	- 00060
.500	5.000	-.00520	.45870	.13810	-.24930	-.00110	-.00020	-.00040
500	6.000	- 00550	.56230	.14110	-.27500	-.00100	- 00010	- 00030
.500	7.000	-.00460	.66510	.14590	- 29940	-.00070	- 00020	-.00030
500	8.000	- 00170	.76640	.15230	- 32000	-.00060	-.00020	- 00040
.500	9.000	.00120	.86240	.16000	- 33480	-.00100	00000	- 00050
.500	10.000	.00330	.95260	.16890	-.34650	-.00100	00020	-.00050
.500	11.000	.00270	1.04410	.17980	-.35740	-.00090	.00020	-.00010
.500	12.000	-.00060	1.14510	.19420	-.36090	-.00150	00010	.00060
	GRADIENT	-.00090	.10849	-.00361	-.03328	-.00108	.00026	- 00007

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(RGM063) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

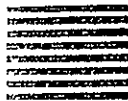
BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 45 000 S3-4 = 45.000
 S5-6 = 45 000 1ORB = 9.700

RUN NO. 277/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	.14180	-.21680	.20020	.02030	-.01120	.00100	-.00160
.500	-1.000	.14040	-.10340	.19270	.00170	-.01040	.00100	-.00160
.500	.000	.13740	.01240	.18800	-.02210	-.01130	.00140	-.00180
.500	1.000	.13460	.12740	.18560	-.05080	-.01280	.00190	-.00210
.500	2.000	.13270	.24210	.18510	-.08450	-.01420	.00230	-.00240
.500	3.000	.13080	.35790	.18620	-.12040	-.01500	.00250	-.00260
.500	4.000	.12710	.47160	.18890	-.15250	-.01500	.00250	-.00260
.500	5.000	.12570	.58210	.19400	-.17820	-.01480	.00240	-.00260
.500	6.000	.13000	.69150	.20140	-.20000	-.01400	.00240	-.00270
.500	7.000	.13510	.80120	.21080	-.22160	-.01380	.00230	-.00280
.500	8.000	.13730	.90830	.22290	-.24370	-.01390	.00230	-.00300
.500	9.000	.13830	1.00810	.23780	-.26440	-.01390	.00230	-.00320
.500	10.000	.14140	1.10120	.25470	-.28370	-.01350	.00210	-.00340
.500	11.000	.14300	1.19170	.27250	-.30150	-.01280	.00180	-.00350
.500	12.000	.14020	1.28390	.29040	-.31670	-.01250	.00160	-.00340
GRADIENT		-.00239	.11451	-.00081	-.02963	-.00071	.00025	-.00018

RUN NO 278/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.13700	-.24920	.20460	.05220	-.01150	.00100	-.00150
.600	-1.000	.13970	-.12400	.19600	.02720	-.01210	.00110	-.00160
.600	.000	.14730	-.00130	.19110	.00110	-.01270	.00130	-.00180
.600	1.000	.15050	.11780	.18920	-.02820	-.01290	.00150	-.00200
.600	2.000	.14680	.23570	.19020	-.06150	-.01330	.00170	-.00210
.600	3.000	.14160	.35580	.19380	-.09870	-.01390	.00180	-.00210
.600	4.000	.14050	.47310	.19970	-.13420	-.01410	.00200	-.00210
.600	5.000	.14310	.58470	.20750	-.16340	-.01360	.00210	-.00210
.600	6.000	.14470	.69310	.21730	-.18800	-.01320	.00230	-.00230
.600	7.000	.14340	.80130	.22940	-.21110	-.01320	.00230	-.00260
.600	8.000	.14200	.90660	.24330	-.23310	-.01370	.00230	-.00280
.600	9.000	.14230	1.00560	.25850	-.25160	-.01410	.00210	-.00290
.600	10.000	.14380	1.10210	.27460	-.26530	-.01420	.00210	-.00290
.600	11.000	.14840	1.20060	.29220	-.27610	-.01510	.00220	-.00250
.600	12.000	.15260	1.30090	.31150	-.28100	-.01620	.00240	-.00200
GRADIENT		.00031	.11919	.00057	-.03153	-.00034	.00017	-.00009



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 49

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT36.1)

(RGM063) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.9000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 279/ 0 RN/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.13850	-.28090	.21590	.08890	-.01300	.00120	-.00150
.700	-1.000	.13650	-.14720	.20830	.05350	-.01330	.00140	-.00180
.700	.000	.13640	-.02220	.20460	.02380	-.01280	.00140	-.00170
.700	1.000	.13820	.09740	.20450	-.00550	-.01220	.00140	-.00180
.700	2.000	.14160	.21530	.20700	-.03850	-.01220	.00170	-.00210
.700	3.000	.14360	.33570	.21170	-.07800	-.01270	.00200	-.00250
.700	4.000	.14430	.45570	.21850	-.11920	-.01300	.00230	-.00270
.700	5.000	.14370	.57210	.22730	-.15400	-.01270	.00240	-.00260
.700	6.000	.14170	.68570	.23800	-.17860	-.01200	.00250	-.00230
.700	7.000	.14270	.79910	.25030	-.19620	-.01170	.00240	-.00230
.700	8.000	.14340	.91200	.26420	-.21230	-.01200	.00220	-.00280
.700	9.000	.14320	1.02290	.28090	-.22950	-.01240	.00180	-.00340
.700	10.000	.14840	1.13010	.30100	-.24410	-.01230	.00150	-.00390
.700	11.000	.15430	1.23110	.32350	-.24910	-.01210	.00130	-.00360
.700	12.000	.15580	1.32130	.34860	-.24080	-.01200	.00120	-.00330
GRADIENT		.00120	.12116	.00184	-.03455	.00005	.00018	-.00018

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CAS K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(RQM064) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 1ORB = 9.700

RUN NO. 282/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.00290	-.21880	.20040	.02290	-.00670	.00070	-.00080
.500	-1.000	-.00390	-.10220	.19260	.00510	-.00570	.00070	-.00080
.500	.000	-.00030	.01290	.18800	-.01890	-.00710	.00100	-.00110
.500	1.000	.00300	.12700	.18590	-.04820	-.00890	.00150	-.00140
.500	2.000	.00190	.24130	.18550	-.08190	-.00980	.00190	-.00160
.500	3.000	-.00080	.35740	.18660	-.11670	-.01000	.00200	-.00170
.500	4.000	-.00160	.47220	.18960	-.14780	-.01060	.00210	-.00170
.500	5.000	-.00010	.58340	.19480	-.17310	-.01140	.00240	-.00190
.500	6.000	.00320	.69280	.20240	-.19490	-.01140	.00250	-.00190
.500	7.000	.00550	.80270	.21220	-.21700	-.01090	.00250	-.00190
.500	8.000	.00540	.91090	.22440	-.24030	-.01070	.00250	-.00190
.500	9.000	.00520	1.01230	.23910	-.26210	-.01080	.00240	-.00200
.500	10.000	.00660	1.10670	.25570	-.28120	-.01020	.00200	-.00210
.500	11.000	.00720	1.19840	.27360	-.29890	-.00940	.00150	-.00210
.500	12.000	.00710	1.29160	.29200	-.31450	-.00940	.00110	-.00180
	GRADIENT	.00034	.11454	-.00070	-.02933	-.00080	.00027	-.00017

RUN NO. 281/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.00060	-.25080	.20490	.05210	-.00730	.00070	-.00100
.600	-1.000	.00110	-.12610	.19630	.02690	-.00760	.00070	-.00100
.600	.000	-.00130	-.00390	.19150	.00050	-.00780	.00090	-.00110
.600	1.000	-.00430	.11510	.18980	-.02930	-.00810	.00110	-.00130
.600	2.000	-.00540	.23340	.19090	-.06220	-.00850	.00130	-.00130
.600	3.000	-.00500	.35340	.19430	-.09770	-.00900	.00140	-.00120
.600	4.000	-.00450	.47090	.20010	-.13160	-.00920	.00170	-.00120
.600	5.000	-.00510	.58330	.20810	-.16080	-.00940	.00200	-.00130
.600	6.000	-.00570	.69330	.21810	-.18570	-.00950	.00230	-.00140
.600	7.000	-.00540	.80280	.23040	-.20830	-.00970	.00230	-.00160
.600	8.000	-.00150	.90800	.24420	-.22810	-.00990	.00210	-.00170
.600	9.000	.00460	1.00630	.25940	-.24350	-.00980	.00190	-.00170
.600	10.000	.00720	1.10280	.27600	-.25560	-.00990	.00180	-.00160
.600	11.000	.00630	1.20280	.29390	-.26610	-.01100	.00200	-.00120
.600	12.000	.00540	1.30550	.31320	-.27080	-.01210	.00200	-.00060
	GRADIENT	-.00095	.11921	.00061	-.03107	-.00032	.00019	-.00004

CA5 K1 F20 H15.6 V9.1 (PLUS ORB TC5 AT38.1)

(RGM065) (21 JAN 75)

REFERENCE DATA

SREF * 5500 0000 SQ FT. XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45 000 10RB = 9 700

RUN NO. 284/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
600	-2 000	02450	- 28350	20320	18140	- 00620	.00050	- 00110
.600	-1.000	.02620	-.15890	.19380	15730	-.00670	.00060	- 00110
600	.000	02500	- 03650	18840	13320	- 00710	.00080	- 00130
600	1.000	02550	.08280	18620	.10480	-.00750	00100	- 00140
600	2.000	.02550	20150	.18700	07040	- 00830	00120	- 00140
600	3.000	.02170	.32260	19030	.03090	- 00880	.00130	- .00150
600	4 000	01660	44140	.19590	- 00840	-.00910	00150	- 00150
.600	5.000	.01380	.55520	.20350	-.04280	- 00890	00180	- .00140
.600	6.000	.01450	.66620	.21310	-.07160	- .00870	.00210	- .00140
600	7 000	01590	77580	.22500	-.09680	- 00850	.00200	- 00150
.600	8.000	.01580	.88140	.23850	- 11780	-.00830	00170	- 00170
600	9.000	.01680	.98080	.25320	-.13380	- 00810	00140	- 00190
600	10.000	02150	1.07750	.26900	-.14600	- .00830	.00140	- 00180
600	11.000	.02580	1.17700	.28660	-.15750	- 00950	.00160	- .00140
600	12.000	.02730	1.27870	.30590	- 16410	-.01080	.00180	- .00080
	GRADIENT	- 00158	11986	.00023	-.03261	-.00044	00018	- 00006

RUN NO 283/ 0 RN/L = 3 46 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	02250	-.31310	.21370	.20160	- 00820	.00060	- .00140
700	-1.000	.01660	-.17900	.20540	.16730	- 00840	00080	- 00160
.700	.000	01580	- 05270	.20110	.13990	- 00820	00080	- 00170
.700	1 000	01760	.06770	.20050	11220	- 00780	00080	- .00180
700	2 000	02010	18610	.20290	.07940	- 00750	.00100	- 00200
.700	3.000	.02220	.30730	.20760	.03990	-.00760	.00120	- .00220
700	4.000	02340	.42810	.21420	-.00080	-.00750	00130	- .00230
700	5 000	02310	.54490	.22250	-.03550	-.00700	00140	- 00220
.700	6 000	02110	.65980	.23270	-.06120	- 00660	00150	- .00190
700	7 000	01800	.77600	.24500	-.08170	-.00680	.00160	- .00180
700	8 000	01690	.89260	.25970	- 10050	- 00740	.00150	- 00190
700	9 000	02160	1 00610	.27700	-.11850	- 00790	00120	- .00240
.700	10.000	.03000	1.11340	.29690	-.13300	- .00800	.00090	- .00290
.700	11 000	03610	1 21290	.31860	-.13790	- 00800	00070	- .00310
700	12.000	.03510	1.30250	.34310	- 12970	-.00810	.00070	- 00300
	GRADIENT	.00071	.12190	.00152	-.03373	.00018	.00011	- .00013

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 53

CA5 K1 F20 H15 6 V9.1 (PLUS. ORB TC5 AT38 1)

(RGM066) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 10RB = 9.700

RUN NO. 285/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	.02050	-.25540	.19880	.16090	-.00570	.00060	-.00110
.500	-1.000	.02140	-.14170	.19020	.14580	-.00540	.00070	-.00110
.500	.000	.01790	-.02630	.18490	.12270	-.00650	.00110	-.00130
.500	1.000	.01490	.08810	.18230	.09240	-.00760	.00140	-.00150
.500	2.000	.01770	.20310	.18190	.05500	-.00830	.00160	-.00170
.500	3.000	.02390	.32150	.18310	.01660	-.00910	.00170	-.00180
.500	4.000	.02220	.43960	.18620	-.02050	-.01040	.00190	-.00190
.500	5.000	.01470	.55260	.19130	-.05130	-.01100	.00200	-.00200
.500	6.000	.01250	.66210	.19820	-.07730	-.01050	.00220	-.00200
.500	7.000	.01440	.77240	.20710	-.10300	-.00970	.00230	-.00200
.500	8.000	.01380	.88180	.21890	-.12880	-.00940	.00230	-.00200
.500	9.000	.01120	.98380	.23350	-.15170	-.00920	.00210	-.00220
.500	10.000	.01310	1.07820	.24970	-.17120	-.00880	.00170	-.00220
.500	11.000	.01790	1.16960	.26690	-.18890	-.00840	.00130	-.00210
.500	12.000	.02040	1.26270	.28470	-.20390	-.00830	.00100	-.00190
	GRADIENT	-.00019	11572	-.00093	-.03180	-.00084	00021	-.00015

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F20 H15.6 V9.1 (PLUS. ORB TCS AT39.1)

(RGM067) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45 000 1ORB = 9 700

RUN NO. 288/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12 000	5.76860	.64250	.18350	-.11140	.30650	-.03300	.03430
.500	-10.000	5.76900	.63630	.18410	-.09850	.25260	-.02620	.02880
.500	-8 000	5.77390	.62640	.18570	-.07180	.19670	-.01970	.02280
.500	-6.000	5.77830	.62020	.18850	-.05060	.14060	-.01320	.01660
500	-4.000	5.77930	.62050	.19170	-.04430	.08650	-.00690	.01020
500	-3.000	5.77880	.62250	.19310	-.04740	.06020	-.00400	.00710
.500	-2.000	5.77730	.62460	.19410	-.05320	.03500	-.00170	.00410
500	-1.000	5.77730	.62620	.19500	-.05920	.01200	.00020	.00120
.500	.000	5.77730	.62720	.19600	-.06360	-.00930	.00180	-.00160
.500	1.000	5.77780	.62790	.19690	-.06510	-.03050	.00340	-.00430
500	2.000	5.77880	.62760	.19730	-.06200	-.05270	.00510	-.00710
500	3.000	5.77930	.62610	.19660	-.05590	-.07630	.00690	-.00990
500	4.000	5.77830	.62430	.19510	-.05190	-.10150	.00930	-.01300
500	6.000	5.77640	.62370	.19160	-.05680	-.15550	.01510	-.01930
500	8.000	5.77540	.62950	.18890	-.07440	-.21220	.02160	-.02550
.500	10.000	5.77490	.63870	.18780	-.09570	-.26910	.02830	-.03140
.500	12.000	5.76900	.64200	.18740	-.10100	-.32330	.03450	-.03710
	GRADIENT	.00002	.00056	.00054	-.00132	-.02299	.00190	-.00286

RUN NO. 287/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.77000	.64700	.20200	-.10690	.31200	-.03420	.03090
600	-10 000	5.77440	.64100	.20100	-.08790	.26090	-.02870	.02620
600	-8.000	5.77730	.63130	.20330	-.05880	.20420	-.02190	.02080
600	-6.000	5.77980	.62570	.20630	-.03940	.14540	-.01450	.01510
.600	-4.000	5.78170	.62680	.20860	-.03790	.08820	-.00740	.00950
600	-3.000	5.78220	.62950	.20940	-.04270	.06170	-.00450	.00680
600	-2.000	5.78120	.63230	.20990	-.04930	.03700	-.00220	.00410
600	-1.000	5.77980	.63400	.21030	-.05690	.01400	-.00040	.00140
600	.000	5.77880	.63480	.21100	-.06300	-.00860	.00150	-.00130
600	1.000	5.77880	.63420	.21220	-.06360	-.03190	.00350	-.00400
.600	2.000	5.77980	.63250	.21290	-.05860	-.05560	.00540	-.00660
.600	3.000	5.78030	.63030	.21270	-.05110	-.07990	.00730	-.00930
.600	4 000	5.78080	.62840	.21170	-.04500	-.10540	.00970	-.01200
600	6 000	5.78120	.62860	.20850	-.04520	-.16060	.01590	-.01780
.600	8.000	5.78030	.63510	.20540	-.06160	-.22030	.02330	-.02360
.600	10.000	5.77830	.64390	.20390	-.08590	-.27960	.03040	-.02920
.600	12.000	5.77540	.64490	.20460	-.09690	-.33020	.03510	-.03420
	GRADIENT	-.00022	.00016	.00050	-.00131	-.02384	.00205	-.00268

CAS K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(R0M068) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45 000 1ORB = 9 700

RUN NO 291/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.01370	-.28750	.20050	.28070	-.00710	.00060	-.00130
.500	-1.000	-.01440	-.17370	.19090	.26360	-.00600	.00060	-.00130
.500	0.000	-.01270	-.05760	.18430	.23980	-.00700	.00090	-.00160
.500	1.000	-.01270	.05730	.18090	.21030	-.00840	.00130	-.00190
.500	2.000	-.01180	.17130	.18020	.17490	-.00940	.00160	-.00200
.500	3.000	-.00720	.28720	.18100	.13570	-.00970	.00170	-.00200
.500	4.000	-.00330	.40320	.18360	.09760	-.00990	.00180	-.00200
.500	5.000	-.00190	.61740	.18810	.06420	-.01050	.00210	-.00200
.500	6.000	-.00400	.83030	.19480	.03500	-.01080	.00230	-.00210
.500	7.000	-.00870	.74260	.20390	.00630	-.01060	.00240	-.00230
.500	8.000	-.01240	.85210	.21590	-.02180	-.01000	.00230	-.00240
.500	9.000	-.01380	.95450	.23030	-.04630	-.00950	.00210	-.00260
.500	10.000	-.01270	1.04920	.24590	-.06650	-.00900	.00160	-.00260
.500	11.000	-.00790	1.14050	.26260	-.08430	-.00850	.00100	-.00270
.500	12.000	-.00160	1.23390	.28010	-.10040	-.00840	.00070	-.00260
	GRADIENT	.00185	.11509	-.00159	-.03206	-.00062	.00023	-.00012

RUN NO. 290/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.00210	-.31380	.20620	.29610	-.00760	.00060	-.00120
.600	-1.000	-.00190	-.18890	.19560	.27030	-.00770	.00050	-.00140
.600	0.000	.00040	-.06580	.18880	.24560	-.00770	.00070	-.00160
.600	1.000	.00380	.05350	.18580	.21770	-.00810	.00090	-.00180
.600	2.000	.00490	.17160	.18620	.18360	-.00880	.00100	-.00180
.600	3.000	.00370	.29250	.18920	.14300	-.00940	.00120	-.00170
.600	4.000	.00530	.41200	.19460	.10170	-.00980	.00140	-.00160
.600	5.000	.00780	.52630	.20190	.06570	-.00980	.00180	-.00170
.600	6.000	.00610	.63710	.21110	.03650	-.00980	.00200	-.00180
.600	7.000	.00100	.74710	.22250	.01100	-.00960	.00200	-.00200
.600	8.000	-.00110	.85330	.23570	-.01100	-.00940	.00180	-.00210
.600	9.000	.00330	.95290	.25020	-.02890	-.00930	.00150	-.00220
.600	10.000	.00810	1.04980	.26580	-.04410	-.00960	.00140	-.00220
.600	11.000	.01020	1.15000	.28310	-.05810	-.01070	.00160	-.00190
.600	12.000	.00860	1.25340	.30270	-.06590	-.01180	.00170	-.00140
	GRADIENT	.00138	.11998	-.00040	-.03331	-.00038	.00017	-.00006

CAS KI F20 H15 6 VS.1 (PLUS. ORB TC5 AT39.1)

(RGM069) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

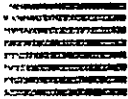
ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 10RB = 9.700

RUN NO. 296/ 0 RN/L = 2 88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.76420	.64270	.18510	-.10760	.33750	-.05110	.03590
.500	-10.000	5.76460	.63690	.18490	-.09870	.28470	-.04530	.03080
.500	-8.000	5.76950	.62610	.18590	-.07230	.22690	-.03810	.02460
.500	-6.000	5.77250	.62030	.18860	-.05180	.16990	-.03130	.01810
.500	-4.000	5.77290	.62240	.19220	-.04710	.11690	-.02570	.01190
.500	-3.000	5.77250	.62490	.19380	-.05040	.09180	-.02320	.00890
.500	-2.000	5.77200	.62660	.19500	-.05560	.06750	-.02110	.00600
.500	-1.000	5.77200	.62770	.19590	-.06040	.04470	-.01910	.00320
.500	.000	5.77200	.62870	.19690	-.06360	.02310	-.01730	.00030
.500	1.000	5.77200	.62990	.19810	-.06390	.00140	-.01570	-.00250
.500	2.000	5.77250	.62950	.19850	-.06010	-.02090	-.01410	-.00520
.500	3.000	5.77290	.62760	.19770	-.05420	-.04460	-.01220	-.00810
.500	4.000	5.77250	.62570	.19640	-.05130	-.06970	-.00980	-.01120
.500	6.000	5.77050	.62630	.19330	-.05830	-.12350	-.00400	-.01760
.500	8.000	5.76760	.63230	.19080	-.07600	-.17980	.00190	-.02370
.500	10.000	5.76460	.64070	.18970	-.09620	-.23680	.00820	-.02940
.500	12.000	5.76270	.64440	.18950	-.10300	-.29310	.01620	-.03550
GRADIENT		.00001	.00049	.00063	-.00068	-.02293	.00190	-.00286

RUN NO. 295/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.76660	.64510	.20340	-.10070	.34140	-.05150	.03250
.600	-10.000	5.76810	.64070	.20150	-.08670	.29510	-.04880	.02850
.600	-8.000	5.77100	.63150	.20380	-.05980	.23670	-.04130	.02290
.600	-6.000	5.77340	.62630	.20710	-.04160	.17610	-.03310	.01690
.600	-4.000	5.77390	.62780	.20980	-.04040	.11930	-.02650	.01130
.600	-3.000	5.77390	.63020	.21050	-.04460	.09360	-.02410	.00860
.600	-2.000	5.77390	.63240	.21090	-.04880	.06950	-.02210	.00590
.600	-1.000	5.77290	.63390	.21150	-.05570	.04630	-.02010	.00320
.600	.000	5.77200	.63500	.21260	-.06020	.02350	-.01790	.00050
.600	1.000	5.77250	.63520	.21380	-.05920	.00030	-.01600	-.00220
.600	2.000	5.77290	.63400	.21430	-.05340	-.02330	-.01430	-.00480
.600	3.000	5.77390	.63150	.21410	-.04550	-.04770	-.01240	-.00750
.600	4.000	5.77440	.62930	.21310	-.03970	-.07390	-.00990	-.01030
.600	6.000	5.77340	.62960	.21050	-.04160	-.13010	-.00340	-.01590
.600	8.000	5.77200	.63640	.20820	-.05920	-.18800	.00340	-.02150
.600	10.000	5.77000	.64520	.20700	-.08420	-.24510	.01000	-.02690
.600	12.000	5.76760	.64520	.20680	-.09810	-.29970	.01660	-.03250
GRADIENT		-.00001	.00024	.00055	-.00018	-.02380	.00202	-.00269



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38 1)

(RGM069) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 IORB = 9.700

RUN NO. 294/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CO	CLM	CY	CLN	CSL
.700	-12.000	5 77730	64870	.21900	-.08010	.35290	-.05190	.03320
.700	-10 000	5.77640	.64470	.21980	-.06450	-.30230	-.05010	.02810
.700	-8.000	5.77780	.63620	.22410	-.04580	.24280	-.04240	.02200
.700	-6.000	5.77980	.62890	.22830	-.03460	.18210	-.03430	.01590
.700	-4.000	5.78080	.62570	.23070	-.03440	.12550	-.02820	.01040
.700	-3.000	5.78030	.62600	.23100	-.03800	.09980	-.02600	.00790
.700	-2.000	5.77980	.62700	.23090	-.04260	.07570	-.02390	.00540
.700	-1 000	5.77980	.62740	.23100	-.04600	.05200	-.02170	.00290
.700	.000	5 78090	.62720	.23190	-.04670	.02810	-.01940	.00050
.700	1.000	5.78080	.62690	.23340	-.04430	.00350	-.01710	-.00170
.700	2.000	5.77980	.62660	.23420	-.04050	-.02290	-.01450	-.00410
.700	3.000	5.77880	.62660	.23380	-.03570	-.05080	-.01170	-.00660
.700	4.000	5 77980	.62690	.23270	-.02900	-.07910	-.00900	-.00910
.700	6.000	5 78080	.63010	.22990	-.02180	-.13520	-.00350	-.01430
.700	8.000	5.77690	.63770	.22710	-.03530	-.19160	.00290	-.01980
.700	10.000	5.77050	.64790	.22490	-.06520	-.24930	.01020	-.02590
.700	12 000	5.76900	.65600	.22280	-.09060	-.31110	.01810	-.03260
GRADIENT	-.00012	.00009	.00042	.00057	-.02526	.00238	-.00242	

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(R0M070) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 9.700

RUN NO. 299/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.01270	-.07440	.16130	.09810	-.00650	.00050	-.00160
.500	-1.000	-.01290	.04700	.15410	.07830	-.00560	.00040	-.00170
.500	.000	-.01310	.16840	.15000	.05400	-.00640	.00070	-.00220
.500	1.000	-.01300	.28700	.14870	.02430	-.00810	.00120	-.00270
.500	2.000	-.01340	.40360	.14930	-.00980	-.00930	.00150	-.00280
.500	3.000	-.01390	.52010	.15150	-.04390	-.00940	.00160	-.00290
.500	4.000	-.01340	.63440	.15570	-.07370	-.00920	.00170	-.00280
.500	5.000	-.00960	.74620	.16240	-.09980	-.00940	.00190	-.00300
.500	6.000	-.00530	.85760	.17130	-.12480	-.00970	.00210	-.00320
.500	7.000	-.00550	.96980	.18250	-.14980	-.00960	.00230	-.00320
.500	8.000	-.01180	1.07900	.19490	-.17260	-.00980	.00240	-.00310
.500	9.000	-.01730	1.18200	.20890	-.19280	-.01030	.00250	-.00310
.500	10.000	-.01580	1.28020	.22530	-.21330	-.01000	.00230	-.00290
.500	11.000	-.01080	1.37660	.24470	-.23500	-.00900	.00180	-.00250
.500	12.000	-.00830	1.47230	.26590	-.25420	-.00830	.00120	-.00190
	GRADIENT	.00020	.11730	.00025	-.02944	-.00058	.00023	-.00020

RUN NO. 298/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01050	-.11230	.16590	.11340	-.00630	.00060	-.00150
.600	-1.000	-.01080	.02180	.15760	.08580	-.00630	.00040	-.00170
.600	.000	-.01090	.15050	.15310	.05960	-.00680	.00060	-.00210
.600	1.000	-.01110	.27290	.15210	.02960	-.00760	.00100	-.00240
.600	2.000	-.01200	.39590	.15340	-.00470	-.00760	.00100	-.00260
.600	3.000	-.00940	.51790	.15660	-.03970	-.00790	.00110	-.00270
.600	4.000	-.00690	.63590	.16220	-.07000	-.00860	.00130	-.00260
.600	5.000	-.00690	.75000	.17070	-.09570	-.00890	.00160	-.00250
.600	6.000	-.00710	.86380	.18220	-.12160	-.00880	.00190	-.00250
.600	7.000	-.00610	.97750	.19610	-.14930	-.00890	.00210	-.00250
.600	8.000	-.00760	1.08650	.21150	-.17510	-.00950	.00230	-.00250
.600	9.000	-.01040	1.18800	.22830	-.19570	-.00990	.00220	-.00240
.600	10.000	-.01100	1.28410	.24710	-.20970	-.00990	.00200	-.00220
.600	11.000	-.00840	1.37850	.26790	-.21550	-.01050	.00200	-.00170
.600	12.000	-.00740	1.46590	.29050	-.20810	-.01090	.00210	-.00110
	GRADIENT	.00057	.12300	.00081	-.03065	-.00039	.00015	-.00016

DATE 20 JUN 75

TABULATED SOURCE DATA - CAB

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CA5 K1 F20 H15.6 V9.1 (PLUS ORB TC5 AT38 1)

(RGM070) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-OB = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 9.700

RUN NO. 297/ 0 RN/L = 3.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.00070	-.15040	.17400	.13080	-.00630	00030	- 00160
.700	-1.000	-.00100	-.00470	.16610	.09220	-.00640	00040	-.00200
.700	.000	- 00110	.12850	.16270	.06210	-.00660	00050	- 00230
.700	1.000	-.00110	.25300	.16330	.03220	-.00680	00060	-.00250
.700	2.000	-.00110	.37440	.16660	.00050	-.00690	00070	-.00260
.700	3.000	-.00040	.49790	.17220	-.03510	-.00670	.00090	-.00270
.700	4.000	.00080	.62160	.17980	-.06950	-.00640	00100	- 00280
.700	5.000	-.00040	.74020	.18960	-.09790	-.00600	.00110	-.00280
.700	6.000	-.00240	.85530	.20170	-.12230	-.00580	.00130	-.00260
.700	7.000	-.00080	.97100	.21630	-.14380	-.00630	.00150	- 00250
.700	8.000	.00240	1.08650	.23370	-.16150	-.00740	.00170	- 00260
.700	9.000	.00180	1.19640	.25460	-.17390	-.00830	.00160	-.00300
.700	10.000	.00300	1.29420	.27940	-.17720	- 00860	00130	- 00320
.700	11.000	.00090	1.37340	.30630	-.16560	-.00830	.00090	- 00300
.700	12.000	-.01700	1.43120	.33370	-.13770	-.00740	.00060	-.00240
	GRADIENT	.00016	.12613	.00249	-.03253	00002	00012	-.00016

CA5 K1 F20 H15.8 V9.1 (PLUS. ORB TC5 AT38.1)

(ROM071) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN, ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 9.700

RUN NO. 302/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.01440	.20160	.11320	.02320	-.00970	.00060	-.00270
.500	-1 000	-.01510	.33360	.10860	.00420	-.00890	.00060	-.00280
.500	.000	-.01680	.46210	.10710	-.02120	-.00980	.00090	-.00300
.500	1 000	-.01490	.58240	.10630	-.04870	-.01120	.00120	-.00320
.500	2 000	-.00860	.69970	.11190	-.07510	-.01230	.00160	-.00330
.500	3.000	-.00900	.81690	.11750	-.10300	-.01260	.00190	-.00350
.500	4 000	-.01200	.93240	.12500	-.13190	-.01250	.00190	-.00370
.500	5.000	-.01420	1.04590	.13430	-.16020	-.01260	.00190	-.00390
.500	6 000	-.01340	1.15980	.14570	-.18660	-.01250	.00190	-.00400
.500	7 000	-.01280	1.27370	.15930	-.20980	-.01170	.00180	-.00400
.500	8.000	-.01250	1.38220	.17430	-.22950	-.01120	.00180	-.00420
.500	9 000	-.01080	1.48280	.19080	-.24730	-.01140	.00190	-.00440
.500	10 000	-.00890	1.57600	.20940	-.26420	-.01150	.00200	-.00400
.500	11 000	-.01040	1.66360	.22960	-.27760	-.01170	.00210	-.00300
.500	12.000	-.01480	1.73650	.25110	-.28020	-.01260	.00220	-.00260
GRADIENT		.00059	.12007	.00315	-.02662	-.00057	.00022	-.00017

RUN NO. 301/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2 000	-.00650	.18080	.11750	.02210	-.00890	.00050	-.00260
.600	-1 000	-.00560	.32510	.11220	-.00420	-.00920	.00040	-.00290
.600	.000	-.00380	.46200	.11050	-.03190	-.00970	.00060	-.00310
.600	1.000	-.00240	.58840	.11200	-.05950	-.01010	.00080	-.00320
.600	2.000	-.00530	.71200	.11650	-.08670	-.01010	.00100	-.00330
.600	3 000	-.00570	.83500	.12300	-.11700	-.01000	.00110	-.00350
.600	4.000	-.00560	.95620	.13140	-.14680	-.01000	.00110	-.00370
.600	5.000	-.00350	1.07460	.14180	-.17270	-.01000	.00120	-.00380
.600	6.000	-.00050	1.19140	.15510	-.19450	-.01000	.00130	-.00380
.600	7 000	-.00260	1.30290	.17160	-.21170	-.01040	.00140	-.00370
.600	8 000	-.00900	1.40310	.19060	-.22360	-.01090	.00140	-.00360
.600	9.000	-.01090	1.48890	.21160	-.22990	-.01120	.00140	-.00320
.600	10.000	-.01010	1.55920	.23500	-.22800	-.01200	.00180	-.00200
.600	11.000	-.00790	1.61560	.26070	-.21730	-.01320	.00220	-.00100
.600	12 000	-.00480	1.66130	.28920	-.20060	-.01330	.00210	-.00070
GRADIENT		.00014	.12684	.00367	-.02808	-.00015	.00012	-.00016

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15 6 V9.1 (PLUS. ORB TC5 AT38 1)

(RGM071) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 10RB = 9 700

RUN NO. 300/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.00930	.13470	.12780	.02690	- 00800	- 00020	- 00250
.700	-1.000	-.01030	.29030	.12220	-.00870	-.00860	.00000	-.00280
.700	0.000	-.00980	.43340	.12070	-.04100	-.00890	.00020	-.00290
.700	1.000	-.00990	.56460	.12320	-.07080	-.00910	.00030	-.00300
.700	2.000	-.00970	.69160	.12960	-.09870	- 00920	.00070	-.00300
.700	3.000	-.00920	.81730	.13910	-.12820	-.00900	.00090	-.00320
.700	4.000	-.00840	.94210	.15100	-.15910	-.00860	.00090	-.00350
.700	5.000	-.00760	1.06450	.16490	-.18870	-.00820	.00090	-.00370
.700	6.000	-.00640	1.18400	.18180	- 21060	-.00750	00080	- 00360
.700	7.000	-.00480	1.28650	.20220	-.21360	-.00700	00060	-.00330
.700	8.000	- 00320	1 36290	.22570	-.19820	-.00720	.00040	-.00300
.700	9.000	-.00160	1.42200	.25140	- 17910	- 00800	.00030	- 00300
.700	10.000	.00010	1 48060	.27910	- 16800	- 00850	00020	- 00320
.700	11.000	.00210	1.53930	.30820	-.15470	-.00840	-.00010	-.00290
.700	12.000	.00470	1.59090	.33830	-.12680	-.00740	-.00060	-.00200
	GRADIENT	00028	13150	.00554	-.03037	-.00002	.00017	- 00015

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(RGM072) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 9.700

RUN NO. 305/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	7.54050	1.27500	.15820	-.22590	.32140	-.03830	.05160
.500	-10.000	7.55100	1.26530	.15760	-.22170	.26180	-.03080	.04410
.500	-8.000	7.49800	1.26890	.15950	-.20420	.20160	-.02290	.03510
.500	-6.000	7.47020	1.29470	.16220	-.19330	.14190	-.01500	.02950
.500	-4.000	7.51270	1.30490	.16440	-.19840	.08390	-.00750	.01590
.500	-3.000	7.53610	1.31050	.16490	-.20120	.05740	-.00440	.01110
.500	-2.000	7.53810	1.31520	.16500	-.20590	.03330	-.00210	.00630
.500	-1.000	7.53220	1.31740	.16510	-.21000	.01120	-.00040	.00140
.500	.000	7.53370	1.31750	.16560	-.21240	-.01010	.00130	-.00360
.500	1.000	7.53470	1.31590	.16630	-.21030	-.03210	.00320	-.00860
.500	2.000	7.53610	1.31310	.16650	-.20510	-.05550	.00510	-.01330
.500	3.000	7.53860	1.30900	.16590	-.19870	-.08050	.00740	-.01790
.500	4.000	7.54050	1.30420	.16470	-.19370	-.10670	.01020	-.02250
.500	6.000	7.54300	1.29490	.16200	-.19130	-.16230	.01700	-.03190
.500	8.000	7.54390	1.28740	.16040	-.19810	-.22200	.02470	-.04120
.500	10.000	7.54590	1.28080	.16070	-.21030	-.28350	.03290	-.05010
.500	12.000	7.55180	1.27150	.16250	-.21950	-.34320	.04070	-.05800
	GRADIENT	.00195	-.00022	.00014	.00033	-.02328	.00207	-.00483

RUN NO. 304/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	7.54740	1.28960	.17520	-.22090	.32950	-.03990	.04800
.600	-10.000	7.54250	1.30210	.17430	-.20620	.27120	-.03290	.04130
.600	-8.000	7.53810	1.31210	.17720	-.19150	.21090	-.02550	.03330
.600	-6.000	7.53420	1.32130	.18030	-.18540	.14940	-.01770	.02450
.600	-4.000	7.53120	1.33070	.18170	-.19070	.08960	-.01010	.01520
.600	-3.000	7.52930	1.33560	.18130	-.19590	.06160	-.00660	.01050
.600	-2.000	7.52830	1.34010	.18030	-.20140	.03610	-.00360	.00600
.600	-1.000	7.52730	1.34360	.17990	-.20790	.01320	-.00140	.00140
.600	.000	7.52780	1.34460	.18060	-.21220	-.00870	.00040	-.00320
.600	1.000	7.52880	1.34190	.18150	-.20890	-.03180	.00250	-.00800
.600	2.000	7.53030	1.33740	.18210	-.20190	-.05740	.00500	-.01260
.600	3.000	7.53270	1.33200	.18220	-.19530	-.08510	.00810	-.01700
.600	4.000	7.53470	1.32650	.18190	-.19040	-.11290	.01150	-.02140
.600	6.000	7.53760	1.31580	.18060	-.18730	-.16950	.01850	-.03020
.600	8.000	7.54100	1.30520	.17920	-.19290	-.23010	.02660	-.03890
.600	10.000	7.54640	1.29360	.17880	-.20570	-.29270	.03510	-.04720
.600	12.000	7.55220	1.27990	.18060	-.22350	-.35170	.04190	-.05430
	GRADIENT	.00049	-.00058	.00015	.00002	-.02470	.00253	-.00459

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(RGM072) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300'

PARAMETRIC DATA

ALPHA I = 8.000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 10RB = 9 700

RUN NO. 303/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	7.56450	1.26330	.20260	-.19700	.35240	-.04250	.03930
.700	-10.000	7.56100	1.27230	.20520	-.17320	.28700	-.03530	.03170
.700	-8.000	7.55810	1.28200	.20940	-.16640	.22250	-.02690	.02430
.700	-6.000	7.55370	1.29150	.21310	-.16740	.16090	-.01960	.01690
.700	-4.000	7.54830	1.30040	.21550	-.17240	.10270	-.01380	.00970
.700	-3.000	7.54690	1.30480	.21600	-.17680	.07460	-.01060	.00610
.700	-2.000	7.54640	1.30930	.21610	-.18320	.04720	-.00700	.00260
.700	-1.000	7.54590	1.31270	.21600	-.19100	.02080	-.00360	-.00030
.700	.000	7.54490	1.31340	.21600	-.19570	-.00480	-.00050	-.00280
.700	1.000	7.54540	1.31040	.21630	-.19270	-.03100	.00250	-.00530
.700	2.000	7.54590	1.30570	.21630	-.18600	-.05970	.00610	-.00810
.700	3.000	7.54740	1.30040	.21570	-.17970	-.09060	.01040	-.01130
.700	4.000	7.54930	1.29590	.21500	-.17530	-.12160	.01460	-.01480
.700	6.000	7.55370	1.28720	.21340	-.17220	-.18170	.02170	-.02180
.700	8.000	7.55960	1.27710	.21070	-.17490	-.24210	.02850	-.02910
.700	10.000	7.56350	1.26530	.20820	-.18250	-.30430	.03550	-.03630
.700	12.000	7.56980	1.25350	.20920	-.19490	-.37080	.04390	-.04380
GRADIENT		.00007	-.00069	-.00004	-.00046	-.02764	.00347	-.00294

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F20 H15 6 V9 1 (PLUS ORB TC5 AT38 1)

(RGM73) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3 000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 TORB = 9 700

RUN NO. 309/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
500	-12 000	5.60640	1.07700	.13160	-.18600	.32100	-.03730	.04930
.500	-10.000	5.60640	1.08310	.13190	-.18520	.26030	-.02950	.04190
500	-8.000	5 60500	1.08390	.13430	-.16530	.19850	-.02090	.03300
500	-6.000	5.60400	1.08750	.13710	-.15120	.13790	-.01270	.02360
500	-4 000	5 60300	1.09620	.13930	-.15280	.08140	-.00580	.01450
500	-3.000	5.60210	1 10130	.13980	-.15840	.05550	-.00330	.01000
.500	-2.000	5.60110	1.10550	.14000	-.16470	.03170	-.00140	.00560
.500	-1.000	5.60160	1.10770	.14020	-.16960	.00950	.00010	.00110
500	000	5 60210	1.10820	.14080	-.17220	-.01170	.00160	-.00360
500	1.000	5.59810	1.10710	.14160	-.17130	-.03280	.00300	-.00800
.500	2.000	5.59080	1 10490	.14200	-.16580	-.05480	.00440	-.01240
500	3.000	5.58640	1 10140	.14140	-.15830	-.07820	.00610	-.01670
500	4 000	5.58940	1 09740	.14010	-.15430	-.10370	.00850	-.02110
.500	6.000	5.60450	1.09000	.13710	-.15730	-.15990	.01500	-.03020
.500	8.000	5.61130	1.08440	.13550	-.16560	-.21950	.02300	-.03910
.500	10.000	5.60790	1 07970	.13570	-.17470	-.27990	.03120	-.04760
.500	12.000	5.61180	1.07150	.13620	-.18010	-.33870	.03810	-.05540
	GRADIENT	-.00209	.00005	.00022	-.00016	-.02261	.00166	-.00446

RUN NO. 308/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5 60300	1.09850	.14250	-.18210	.32540	-.03870	.04850
.600	-10.000	5.60060	1 10510	.14120	-.16940	.26630	-.03100	.04160
.600	-8.000	5 59910	1.11160	.14420	-.15530	.20550	-.02320	.03360
.600	-6.000	5.59720	1.11930	.14780	-.15210	.14460	-.01540	.02460
.600	-4 000	5.59420	1.12840	.14990	-.16250	.08650	-.00820	.01500
.600	-3.000	5.59330	1.13320	.14990	-.17020	.05950	-.00520	.01030
.600	-2.000	5 59330	1.13700	.14930	-.17680	.03480	-.00280	.00560
.600	-1.000	5.59230	1.13950	.14900	-.18220	.01220	-.00100	.00110
.600	000	5.59180	1.14040	.14950	-.18580	-.00940	.00080	-.00340
.600	1.000	5.59280	1 13870	.15030	-.18400	-.03210	.00280	-.00790
.600	2 000	5.59420	1.13490	.15100	-.17630	-.05670	.00500	-.01260
.600	3 000	5 59520	1.12980	.15100	-.16590	-.08270	.00740	-.01720
.600	4.000	5.59670	1.12460	.15030	-.15820	-.10920	.00990	-.02170
.600	6 000	5.60060	1.11600	.14840	-.15450	-.16470	.01610	-.03070
.600	8.000	5.60350	1.10840	.14690	-.16100	-.22510	.02450	-.03950
.600	10 000	5.60640	1.10070	.14650	-.17420	-.28760	.03350	-.04770
.600	12.000	5.60890	1.09090	.14740	-.18750	-.34610	.03980	-.05470
	GRADIENT	.00030	-.00051	.00016	.00049	-.02394	.00216	-.00458

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.1)

(RGM073) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 10RB = 9 700

RUN NO. 307/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.61430	1.09590	.16330	-.19410	.34230	-.04120	04510
700	-10.000	5.60990	1.10210	.16380	-.16950	.27810	- 03300	.03810
.700	-8 000	5.60600	1.10900	.16800	-.16170	.21480	-.02430	03060
.700	-6.000	5.60250	1.11570	.17240	-.16250	.15430	-.01720	.02260
.700	-4 000	5.59960	1.12190	.17520	- .16930	.09750	-.01200	01440
.700	-3.000	5.59860	1.12560	.17560	-.17640	.07020	-.00920	01020
.700	-2.000	5.59770	1.13000	.17550	-.18650	.04340	-.00580	.00580
.700	-1.000	5.59720	1.13330	.17540	-.19620	.01780	- 00260	.00140
.700	.000	5.59720	1.13380	.17560	-.20040	-.00680	.00010	-.00300
700	1.000	5.59810	1.13100	.17580	- .19530	- 03160	00250	- 00720
.700	2.000	5.60010	1.12860	.17580	-.18630	-.05900	.00540	-.01130
.700	3 000	5.60210	1.12160	.17510	-.17760	-.08890	.00910	-.01550
.700	4 000	5.60350	1.11720	.17430	-.17050	- .11910	01270	- 01970
700	6.000	5.60550	1.10990	.17250	-.16490	- .17800	.01930	- 02780
.700	8 000	5.60740	1.10360	.17000	-.17220	-.23690	.02640	- 03530
.700	10 000	5.61080	1.09740	.16810	-.18840	-.29730	03420	-.04240
700	12 000	5.61330	1.08970	.16680	- .20340	-.36230	.04260	- 05010
GRADIENT		.00053	- 00067	-.00007	-.00012	- 02663	00302	- 00427

CAS K1 F20 H15.1A V9.1 (PLUS. ORB TC5 AT38.1)

(RGM74) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 1ORB = 9.700

RUN NO. 313/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02020	.20200	.11170	.01540	-.00690	.00000	-.00190
.500	-1.000	-.01870	.33160	.10720	.00040	-.00610	-.00010	-.00210
.500	.000	-.01460	.45810	.10560	-.01930	-.00700	.00020	-.00240
.500	1.000	-.01500	.57860	.10680	-.04240	-.00850	.00060	-.00270
.500	2.000	-.01620	.69480	.11050	-.06720	-.00950	.00080	-.00290
.500	3.000	-.01850	.81070	.11610	-.09340	-.00970	.00090	-.00310
.500	4.000	-.02110	.92510	.12350	-.12040	-.00970	.00090	-.00330
.500	5.000	-.02360	1.03910	.13290	-.14750	-.00980	.00100	-.00340
.500	6.000	-.02380	1.15320	.14450	-.17300	-.00960	.00110	-.00350
.500	7.000	-.01950	1.26700	.15800	-.19650	-.00890	.00100	-.00360
.500	8.000	-.01450	1.37630	.17320	-.21720	-.00830	.00090	-.00360
.500	9.000	-.01420	1.47880	.19000	-.23770	-.00850	.00100	-.00400
.500	10.000	-.01750	1.57340	.20860	-.25890	-.00890	.00110	-.00360
.500	11.000	-.02170	1.66170	.22860	-.27750	-.00920	.00120	-.00290
.500	12.000	-.02300	1.73400	.25020	-.29160	-.00960	.00120	-.00250
GRADIENT		-.00076	.11906	.00316	-.02371	-.00056	.00017	-.00022

RUN NO 312/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02320	.18200	.11550	.01610	-.00770	-.00010	-.00230
.600	-1.000	-.02190	.32390	.11040	-.00860	-.00810	-.00020	-.00260
.600	.000	-.01910	.45990	.10870	-.03160	-.00850	.00000	-.00280
.600	1.000	-.01850	.58670	.11030	-.05430	-.00870	.00020	-.00290
.600	2.000	-.01790	.70760	.11480	-.07930	-.00870	.00030	-.00310
.600	3.000	-.01750	.82960	.12150	-.10880	-.00860	.00030	-.00340
.600	4.000	-.02100	.95090	.13000	-.13820	-.00840	.00030	-.00350
.600	5.000	-.02660	1.06970	.14040	-.16340	-.00840	.00040	-.00360
.600	6.000	-.02930	1.18530	.15370	-.18350	-.00860	.00050	-.00360
.600	7.000	-.02680	1.29640	.17030	-.20050	-.00890	.00060	-.00350
.600	8.000	-.02030	1.39770	.18940	-.21510	-.00920	.00070	-.00350
.600	9.000	-.01610	1.48410	.21060	-.22490	-.00950	.00080	-.00300
.600	10.000	-.01650	1.55650	.23390	-.22720	-.00980	.00090	-.00190
.600	11.000	-.01840	1.61350	.25890	-.21830	-.01000	.00100	-.00090
.600	12.000	-.01830	1.65710	.28720	-.19850	-.00990	.00090	-.00060
GRADIENT		-.00017	.12594	.00375	-.02573	-.00008	.00008	-.00019

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15 1A V9 1 (PLUS ORB TC5 AT3B.1)

(RGM074) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-IB = 000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 IORB = 9.700

RUN NO. 311/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.03280	.13500	.12560	.02580	-.00620	-.00070	-.00220
.700	-1.000	-.02750	.28880	.12030	-.00890	-.00670	-.00060	-.00260
.700	.000	-.01750	.43070	.11910	-.03880	-.00720	-.00050	-.00280
.700	1 000	-.01570	.56270	.12190	-.06730	-.00730	-.00030	-.00280
.700	2.000	-.02050	.68810	.12840	-.09420	-.00730	-.00010	-.00270
.700	3 000	-.02220	.81360	.13780	-.12220	-.00730	.00010	-.00290
.700	4.000	-.02090	.93840	.14980	-.15180	-.00720	.00020	-.00330
.700	5.000	-.01750	1.06310	.16390	-.18320	-.00660	.00010	-.00360
.700	6.000	-.01300	1.18130	.18070	-.20640	-.00580	-.00010	-.00360
.700	7 000	-.01020	1.28310	.20080	-.21060	-.00530	-.00030	-.00310
.700	8 000	-.00920	1.36100	.22390	-.19670	-.00540	-.00050	-.00280
.700	9.000	-.00840	1.42260	.24940	-.17780	-.00580	-.00080	-.00280
.700	10 000	-.00760	1.48060	.27680	-.16270	-.00590	-.00100	-.00300
.700	11 000	-.00780	1.53870	.30600	-.14710	-.00580	-.00100	-.00300
.700	12.000	-.00650	1.59050	.33810	-.12370	-.00590	-.00070	-.00280
	GRADIENT	.00144	.13118	.00569	-.02922	-.00007	.00014	-.00016

CAS K1 F20 H15 1A V9 I (PLUS ORB TCS AT38.1)

(R0M75) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-18 = .000 ELV-08 = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 10RB = 9 700

RUN NO 316/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.01920	-.25360	.19710	.16240	-.00650	-.00020	-.00110
500	-1.000	-.02270	-.13990	.18860	.14600	-.00570	-.00020	-.00110
.500	.000	-.02340	-.02420	.18340	.12200	-.00690	.00020	-.00140
.500	1.000	-.02010	.09040	.18090	.09240	-.00840	.00050	-.00180
500	2.000	-.01790	.20500	.18040	.05760	-.00920	.00070	-.00200
.500	3 000	-.02100	.32170	.18130	.01940	-.00950	.00070	-.00210
500	4.000	-.02430	.43730	.18390	-.01670	-.00970	.00080	-.00220
.500	5.000	-.02290	.54980	.18890	-.04830	-.00980	.00100	-.00230
.500	6.000	-.01840	.66100	.19630	-.07730	-.00970	.00110	-.00240
.500	7.000	-.01700	.77310	.20590	-.10630	-.00930	.00100	-.00250
.500	8.000	-.02010	.88320	.21810	-.13470	-.00900	.00080	-.00260
.500	9.000	-.02260	.99570	.23280	-.15920	-.00900	.00070	-.00280
.500	10.000	-.02120	1.08030	.24920	-.17860	-.00880	.00050	-.00280
.500	11 000	-.01570	1.17070	.26660	-.19400	-.00860	.00040	-.00290
500	12.000	-.01000	1.26220	.28410	-.20530	-.00870	.00040	-.00270
	GRADIENT	-.00029	.11502	-.00104	-.03132	-.00062	.00018	-.00019

RUN NO. 315/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01700	-.29580	.20210	.18460	-.00690	.00000	-.00120
600	-1.000	-.01740	-.16040	.19280	.15840	-.00700	-.00020	-.00140
600	.000	-.01860	-.03750	.18710	.13290	-.00720	-.00010	-.00150
.600	1.000	-.01860	.09050	.18490	.10540	-.00770	.00020	-.00160
.600	2.000	-.01490	.19970	.18570	.07120	-.00840	.00050	-.00180
.600	3,000	-.01630	.32070	.18910	.03070	-.00890	.00060	-.00180
.600	4 000	-.02000	.43950	.19480	-.00940	-.00890	.00070	-.00170
.600	5.000	-.02070	.55350	.20250	-.04450	-.00820	.00070	-.00170
.600	6.000	-.01830	.66580	.21210	-.07560	-.00750	.00060	-.00180
.600	7.000	-.01440	.77750	.22400	-.10330	-.00720	.00050	-.00200
600	8.000	-.01020	.88300	.23750	-.12540	-.00750	.00060	-.00230
.600	9 000	-.00980	.98100	.25210	-.13950	-.00800	.00060	-.00240
.600	10 000	-.01270	1.07730	.26770	-.14820	-.00830	.00070	-.00230
.600	11.000	-.01000	1.17680	.28520	-.15540	-.00920	.00080	-.00190
.600	12 000	-.00540	1.27700	.30440	-.15750	-.01040	.00090	-.00140
	GRADIENT	-.00034	.11986	.00023	-.03314	-.00029	.00014	-.00007

CAS K1 F20 H15.1A V9.1 (PLUS, ORB TC5 AT39.1)

(ROM075) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3 000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 10RB = 9 700

RUN NO. 314/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2 000	-.00780	-.31960	.21320	.20870	-.00780	00010	- 00130
.700	-1 000	-.01230	-.18270	.20480	.17370	- 00770	00020	- 00160
.700	.000	-.01420	-.05510	.20030	.14450	-.00720	.00010	-.00160
.700	1 000	-.01160	.06310	.19980	.11620	-.00690	.00000	- 00180
.700	2.000	- 01180	.18140	.20260	.08160	-.00660	00010	- 00190
.700	3.000	- 01110	.30390	.20750	.03950	- 00610	00010	-.00210
.700	4 000	-.01070	.42660	.21370	-.00390	- 00570	00010	- 00220
.700	5.000	- 01330	.54440	.22150	-.03950	- 00520	.00010	- 00220
.700	6.000	-.01620	.65870	.23170	-.06420	-.00470	.00020	- 00200
.700	7 000	- 01710	.77400	.24410	-.08290	- 00470	.00030	-.00200
.700	8 000	- 01570	.89040	.25810	-.10080	-.00530	00040	- 00210
.700	9.000	-.01170	1 00320	.27500	-.11720	-.00650	00040	- 00240
.700	10.000	-.00640	1.10960	.29530	-.12840	-.00710	00040	- 00280
.700	11 000	-.00560	1 20950	.31750	-.13000	- 00740	.00030	-.00300
.700	12.000	- 00790	1 29850	.34200	-.12020	- 00760	00030	- 00290
	GRADIENT	-.00025	.12250	00151	- 03542	.00038	- 00000	- 00013

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F20 H15.1A V9.1 (PLUS. ORB TC5 AT38.1)

(RGM076) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45.000
 S5-6 = 45 000 10RB = 9 700

RUN NO. 319/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.77440	.64060	.18350	-.10820	.29260	-.02390	.03340
.500	-10 000	5 77690	.63450	.18340	- 09580	23800	- 01670	02810
.500	-8.000	5 78220	.62380	.18470	-.06920	18190	-.01030	02200
.500	-6.000	5.78610	.61770	.18720	-.04930	.12720	-.00480	.01570
.500	-4 000	5.78660	.61890	.19060	-.04510	.07620	-.00070	.00950
.500	-3 000	5.78560	.62160	.19200	-.04850	05190	00070	00650
.500	-2.000	5 78470	62410	.19290	-.05370	02910	00130	00370
.500	-1.000	5.78370	.62540	.19380	-.05890	.00900	.00130	.00090
.500	.000	5.78370	.62590	.19480	-.06310	-.00910	.00100	- 00180
.500	1.000	5.78420	.62670	.19580	-.06470	-.02740	.00060	-.00450
.500	2.000	5 78470	.62660	19620	- 06200	- 04670	.00030	- 00710
500	3.000	5.78420	.62520	.19550	- 05650	- 06750	.00040	- 00980
500	4 000	5.78370	62340	.19410	-.05280	- 09030	00150	- 01270
500	6 000	5.78370	62290	19060	-.05590	- 14130	00580	- 01880
500	8 000	5.78220	.62840	.18770	-.07030	- 19800	01190	- 02500
.500	10.000	5.77930	.63730	18650	-.09020	-.25590	.01860	-.03080
.500	12.000	5.77490	.64120	.18700	-.10170	-.30800	.02470	-.03630
	GRADIENT	-.00026	.00059	.00055	-.00129	-.02020	.00009	-.00274

RUN NO. 318/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.77780	.64610	.20110	-.10870	.29700	-.02470	.03020
.600	-10.000	5.78120	.64080	.19980	-.08820	.24670	-.01910	.02570
.600	-8.000	5 78370	.63240	.20210	-.06120	19000	-.01220	.02030
.600	-6.000	5 78520	.62710	.20510	-.04440	13220	- 00560	01460
.600	-4.000	5.78660	.62730	.20750	-.04410	.07780	-.00070	00890
.600	-3.000	5.78710	.62930	.20810	-.04840	.05330	.00050	.00620
600	-2.000	5.78710	.63170	.20850	-.05380	.03140	.00090	.00340
.600	-1.000	5.78560	.63350	.20910	-.06030	.01140	.00070	00080
.600	.000	5.78470	.63460	.21010	-.06610	-.00780	.00050	- 00170
.600	1.000	5.78520	.63420	.21140	-.06660	-.02780	.00060	-.00410
600	2.000	5.78520	63300	.21200	-.06190	-.04870	.00060	-.00670
.600	3.000	5.78560	.63120	.21160	-.05500	-.07070	.00080	-.00930
.600	4.000	5.78660	.62920	.21050	-.04900	-.09450	.00180	-.01200
600	6.000	5 78660	62970	.20730	-.04760	-.14750	.00630	- 01750
.600	8.000	5.78320	.63510	.20480	-.06200	-.20560	.01320	-.02300
.600	10.000	5.77830	.64400	.20390	-.08540	-.26420	.02070	- 02850
.600	12.000	5.77880	64430	.20390	-.09980	-.31600	.02550	-.03350
	GRADIENT	-.00015	.00028	.00053	-.00103	-.02101	.00017	-.00259

CAS K1 F20 V9.1 (PLUS. ORB TCS AT3B.1)

(RGM077) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

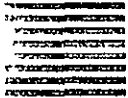
BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 45.000
 S3-4 = 45.000 S5-6 = 45.000
 IORB = 9 700

RUN NO. 323/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	.01370	-.16100	.19690	-.05410	-.00910	.00030	-.00060
.300	-1.000	.00930	-.05680	.18950	-.05370	-.00840	.00030	-.00060
.300	.000	.00510	.05050	.18470	-.05360	-.00940	.00050	-.00110
.300	1.000	.00770	.15360	.18210	-.05680	-.01080	.00070	-.00180
.300	2.000	.01180	.25420	.18160	-.06180	-.01240	.00100	-.00230
.300	3.000	.01200	.35620	.18230	-.06970	-.01350	.00120	-.00250
.300	4.000	.01190	.45800	.18420	-.07700	-.01340	.00120	-.00260
.300	5.000	.01400	.55710	.18820	-.07830	-.01290	.00120	-.00260
.300	6.000	.01480	.65530	.19430	-.07510	-.01250	.00120	-.00270
.300	7.000	.01300	.75420	.20190	-.07310	-.01230	.00110	-.00300
.300	8.000	.01210	.84970	.21060	-.07190	-.01260	.00120	-.00300
.300	9.000	.01250	.94050	.22050	-.07030	-.01330	.00150	-.00300
.300	10.000	.01180	1.02870	.23190	-.06860	-.01400	.00180	-.00300
.300	11.000	.01300	1.11410	.24490	-.06800	-.01430	.00190	-.00310
.300	12.000	.01690	1.19620	.25940	-.06820	-.01420	.00190	-.00330
GRADIENT		.00048	.10260	-.00113	-.00404	-.00078	.00016	-.00034

RUN NO. 322/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.499	-2.000	.00990	-.19320	.20190	-.05390	-.00740	-.00030	-.00080
.499	-1.000	.00980	-.08100	.19350	-.05530	-.00740	-.00010	-.00090
.499	.000	.00970	.02920	.18840	-.05610	-.00830	.00010	-.00120
.499	1.000	.00960	.13600	.18590	-.05910	-.00940	.00050	-.00160
.499	2.000	.00960	.24190	.18550	-.06530	-.00980	.00070	-.00200
.499	3.000	.00970	.35060	.18650	-.07450	-.00970	.00070	-.00220
.499	4.000	.00970	.45860	.18890	-.08260	-.00990	.00080	-.00220
.499	5.000	.00980	.56320	.19330	-.08500	-.00980	.00090	-.00230
.499	6.000	.01010	.66630	.20010	-.08260	-.00990	.00100	-.00250
.499	7.000	.00930	.77160	.20880	-.08070	-.01010	.00090	-.00270
.499	8.000	.01080	.87400	.21960	-.08020	-.01060	.00100	-.00260
.499	9.000	.01350	.96690	.23290	-.07810	-.01110	.00120	-.00250
.499	10.000	.01390	1.05380	.24820	-.07490	-.01130	.00140	-.00250
.499	11.000	.01350	1.14050	.26460	-.07310	-.01070	.00130	-.00280
.499	12.000	.01740	1.22800	.28210	-.07460	-.01030	.00130	-.00300
GRADIENT		-.00001	.10789	-.00106	-.00495	-.00040	.00018	-.00024



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 75

CA5 K1 F20

V9.1 (PLUS. ORB TC5 AT38 1)

(RGM077) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 45.000
 S3-4 = 45.000 S5-6 = 45.000
 TORB = 9.700

RUN NO. 321/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	.01470	- .21530	.20690	-.04740	-.00840	-.00030	-.00090
.600	-1.000	.01560	-.09640	.19860	-.05450	-.00870	-.00030	-.00110
.600	.000	.01390	.02010	.19330	-.05740	-.00930	-.00010	-.00130
.600	1.000	.01190	.13160	.19100	-.05940	-.01030	.00030	-.00160
.600	2.000	.01610	.24250	.19130	-.06580	-.01070	.00050	-.00180
.600	3.000	.01600	.35530	.19410	-.07520	-.01070	.00070	-.00170
.600	4.000	.01390	.46580	.19950	-.08170	-.01050	.00080	-.00170
.600	5.000	.01700	.57130	.20700	-.08340	-.00970	.00080	-.00190
.600	6.000	.02060	.67550	.21630	-.08320	-.00880	.00060	-.00220
.600	7.000	.01810	.78140	.22780	-.08310	-.00850	.00060	-.00230
.600	8.000	.01850	.89260	.24070	-.08270	-.00910	.00070	-.00240
.600	9.000	.02740	.97750	.25470	-.08180	-.01010	.00090	-.00240
.600	10.000	.03090	1.07100	.27010	-.08190	-.01050	.00100	-.00240
.600	11.000	.02240	1.16660	.28730	-.08330	-.01100	.00130	-.00210
.600	12.000	.01850	1.26310	.30580	-.08350	-.01280	.00170	-.00150
	GRADIENT	.00022	.11231	.00009	-.00533	-.00027	.00019	-.00014

RUN NO. 320/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.03010	-.25080	.21760	-.03490	-.00800	-.00040	-.00070
.700	-1.000	.02970	-.12040	.20990	-.04890	-.00850	-.00010	-.00110
.700	.000	.02950	-.00020	.20550	-.05410	-.00860	.00000	-.00140
.700	1.000	.02990	.11150	.20490	-.05720	-.00790	-.00010	-.00160
.700	2.000	.03010	.22360	.20730	-.06270	-.00770	.00000	-.00180
.700	3.000	.03050	.33860	.21180	-.07250	-.00750	.00020	-.00210
.700	4.000	.03070	.45230	.21780	-.08220	-.00680	.00000	-.00230
.700	5.000	.02940	.56240	.22570	-.08840	-.00590	-.00020	-.00220
.700	6.000	.02960	.67100	.23590	-.09130	-.00540	-.00020	-.00200
.700	7.000	.03230	.78330	.24830	-.09430	-.00590	.00010	-.00200
.700	8.000	.03260	.89850	.26220	-.10080	-.00590	-.00010	-.00200
.700	9.000	.03330	1.01100	.27880	-.10900	-.00480	-.00120	-.00220
.700	10.000	.03570	1.11520	.29900	-.11050	-.00500	-.00170	-.00240
.700	11.000	.03660	1.21140	.32180	-.10220	-.00720	-.00090	-.00230
.700	12.000	.03320	1.30090	.34660	-.09030	-.00890	-.00040	-.00180
	GRADIENT	.00004	.11529	.00140	-.00716	.00032	.00003	-.00022

ORIGINAL PAGE(S)
OF POOR QUALITY

CA5 K1 F20 H15.1A

(PLUS. ORB TC5 AT38.1)

(RGM078) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN ZC
 SCALE = 0300

ALPHA1 = 6 000 STAB = 1.000
 ELV-1B = 000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 TORB = 9.700

RUN NO. 326/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12 000	5.76900	.64510	.18680	-.06390	.22580	.01020	02770
.500	-10 000	5.77290	.63430	.18650	-.04420	.18750	.00840	02350
.500	-8 000	5.77640	.62770	.18670	-.03050	.14450	.00790	.01850
.500	-6 000	5.77930	.62410	.18750	-.02090	.10130	.00750	01310
.500	-4 000	5.78080	.62330	.18930	-.01650	.06070	.00640	00760
.500	-3 000	5.78030	.62440	.19020	-.01900	.04110	.00560	00500
.500	-2.000	5.77880	.62680	.19080	-.02550	.02220	.00440	.00250
.500	-1.000	5.77730	.62880	.19150	-.03310	.00540	.00280	.00010
.500	.000	5.77690	.63070	.19250	-.03970	-.00990	.00080	-.00230
.500	1 000	5.77730	.63210	.19350	-.04100	-.02850	-.00110	-.00470
.500	2 000	5.77730	.63200	.19400	-.03750	-.04210	-.00290	-.00710
.500	3.000	5.77640	.63020	.19360	-.03090	-.05980	-.00450	-.00960
.500	4 000	5.77640	.62820	.19260	-.02650	-.07900	-.00540	-.01230
.500	6 000	5.77690	.62730	.19060	-.02510	-.12020	-.00630	-.01760
.500	8 000	5.77440	.63130	.18950	-.02830	-.16290	-.00720	-.02230
.500	10.000	5.77000	.63850	.18970	-.03850	-.20420	-.00850	-.02660
.500	12 000	5.76660	.64170	.18970	-.05930	-.24160	-.01040	-.03080
GRADIENT		-.00054	.00085	.00053	-.00179	-.01702	-.00160	-.00246

RUN NO. 325/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.77390	.64520	.20470	-.06050	.22990	.01030	02460
.600	-10 000	5.77730	.64300	.20360	-.03840	.19590	.00730	.02130
.600	-8.000	5.77980	.63450	.20410	-.01710	.15380	.00640	.01700
.600	-6.000	5.78120	.62870	.20500	-.00830	.10850	.00630	.01220
.600	-4 000	5.78270	.62920	.20580	-.00960	.06410	.00600	.00750
.600	-3.000	5.78270	.63150	.20500	-.01520	.04340	.00520	.00510
.600	-2.000	5.78170	.63400	.20620	-.02210	.02420	.00400	.00280
.600	-1 000	5.78030	.63570	.20660	-.03000	.00690	.00250	.00050
.600	.000	5.77930	.63670	.20760	-.03690	-.00970	.00100	-.00180
.600	1.000	5.77980	.63650	.20890	-.03800	-.02730	-.00050	-.00420
.600	2.000	5.78030	.63600	.20950	-.03420	-.04560	-.00220	-.00660
.600	3.000	5.78030	.63490	.20930	-.02690	-.06430	-.00380	-.00890
.600	4.000	5.78030	.63330	.20870	-.01910	-.08450	-.00470	-.01120
.600	6.000	5.77880	.63130	.20740	-.01040	-.12770	-.00520	-.01580
.600	8.000	5.77490	.63390	.20660	-.01590	-.17020	-.00630	-.01990
.600	10 000	5.77100	.64020	.20590	-.03450	-.20980	-.00830	-.02360
.600	12 000	5.77100	.64580	.20800	-.05690	-.24670	-.01080	-.02770
GRADIENT		-.00033	.00052	.00051	-.00175	-.01819	-.00142	-.00234

DATE 20 JUN 75

TABLATED SOURCE DATA - CA5

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CA5 K1 F20 H15.1A

(PLUS ORB TC5 AT39.1)

(RGM078) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 10RB = 9 700

RUN NO. 324/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.78030	.65310	.22250	-.05640	.24190	.01160	.02510
.700	-10.000	5.78370	.64360	.22230	-.02710	.19890	.00940	.02020
.700	-8.000	5.78610	.63090	.22390	-.00580	.15780	.00720	.01590
.700	-6.000	5.78810	.62260	.22540	.00210	.11390	.00590	.01130
.700	-4.000	5.78910	.62150	.22600	-.00340	.06810	.00530	.00650
.700	-3.000	5.78810	.62360	.22600	-.01040	.04700	.00470	.00410
.700	-2.000	5.78710	.62620	.22590	-.01840	.02840	.00340	.00200
.700	-1.000	5.78710	.62800	.22610	-.02510	.01120	.00190	.00000
.700	0.000	5.78710	.62900	.22700	-.02790	-.00670	.00050	-.00210
.700	1.000	5.78710	.62980	.22840	-.02580	-.02670	-.00070	-.00430
.700	2.000	5.78560	.63090	.22930	-.02210	-.04790	-.00180	-.00640
.700	3.000	5.78470	.63150	.22920	-.01740	-.06940	-.00290	-.00830
.700	4.000	5.78420	.63050	.22820	-.01010	-.09150	-.00350	-.01020
.700	6.000	5.78320	.62960	.22620	.00200	-.13540	-.00460	-.01420
.700	8.000	5.77830	.63700	.22580	-.00300	-.17630	-.00680	-.01830
.700	10.000	5.77100	.65000	.22700	-.02770	-.21510	-.01000	-.02260
.700	12.000	5.76760	.65640	.22690	-.06370	-.25670	-.01300	-.02700
GRADIENT		-.00055	.00118	.00046	-.00093	-.01963	-.00118	-.00208

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM079) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45 000
 S5-6 = 45 000 10RB = 7 850

RUN NO. 330/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.76860	.61690	.17320	-.16140	.29590	-.02840	.03030
.500	-10.000	5.77050	.61250	.17280	-.14890	.24660	-.02340	.02620
.500	-8.000	5.77340	.60230	.17590	-.12550	.19230	-.01790	.02090
.500	-6 000	5.77590	.59460	.17930	-.10130	.13800	-.01270	.01510
.500	-4.000	5.77780	.59290	.18130	-.08430	.08600	-.00800	.00930
.500	-3 000	5.77880	.59420	.18190	-.08150	.06030	-.00540	.00640
.500	-2.000	5.77980	.59580	.18260	-.08300	.03470	-.00270	.00340
.500	-1.000	5.77980	.59670	.18340	-.08610	.00990	.00000	.00040
.500	.000	5.77830	.59670	.18420	-.08790	-.01410	.00270	-.00260
.500	1.000	5.77780	.59640	.18500	-.08740	-.03770	.00520	-.00550
.500	2.000	5.77880	.59580	.18510	-.08610	-.06100	.00750	-.00820
.500	3.000	5.77980	.59530	.18470	-.08670	-.08480	.00950	-.01090
.500	4.000	5.77980	.59580	.18360	-.09090	-.10960	.01150	-.01360
.500	6.000	5.77690	.60030	.18080	-.10870	-.16150	.01560	-.01920
.500	8.000	5.77290	.60810	.17830	-.13250	-.21520	.02040	-.02450
.500	10.000	5.77050	.61510	.17660	-.15190	-.26880	.02540	-.02950
.500	12.000	5.77290	.61430	.17520	-.15220	-.31920	.02910	-.03430
GRADIENT		.00012	.00024	.00040	-.00083	-.02428	.00247	-.00288

RUN NO. 329/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.76760	.62600	.18330	-.15880	.30350	-.03000	.02910
.600	-10.000	5.77200	.62290	.18290	-.14020	.25470	-.02610	.02520
.600	-8.000	5.77340	.61610	.18490	-.11580	.19960	-.02030	.02030
.600	-6 000	5.77490	.61010	.18690	-.09390	.14300	-.01420	.01480
.600	-4.000	5.77730	.60760	.18820	-.08100	.09810	-.00860	.00910
.600	-3.000	5.77730	.60830	.18880	-.07990	.06180	-.00590	.00630
.600	-2.000	5.77640	.61020	.18950	-.08290	.03640	-.00320	.00350
.600	-1 000	5.77640	.61150	.19040	-.08830	.01200	-.00060	.00070
.600	.000	5.77730	.61150	.19150	-.09260	-.01210	.00200	-.00210
.600	1 000	5.77780	.61020	.19230	-.09220	-.03710	.00450	-.00480
.600	2.000	5.77830	.60820	.19240	-.08850	-.06270	.00690	-.00750
.600	3.000	5.77780	.60650	.19210	-.08620	-.08860	.00940	-.01010
.600	4.000	5.77730	.60610	.19160	-.08870	-.11440	.01170	-.01270
.600	6 000	5.77540	.61010	.19040	-.10520	-.16730	.01650	-.01800
.600	8.000	5.77290	.61770	.18920	-.12670	-.22300	.02200	-.02320
.600	10.000	5.77050	.62450	.18820	-.14630	-.27830	.02740	-.02800
.600	12.000	5.77000	.62370	.18760	-.15760	-.32560	.03020	-.03230
GRADIENT		.00011	-.00028	.00052	-.00108	-.02514	.00254	-.00273

CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM080) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 10RB = 7 850

RUN NO. 335/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.03610	-.29060	.19860	.12510	-.00890	.00070	-.00130
500	-1.000	-.03010	-.17600	.18910	.10530	-.00850	.00080	-.00140
.500	.000	-.03080	-.06010	.18240	.08230	-.00970	.00110	-.00170
.500	1.000	-.03810	.05380	.17830	.05520	-.01120	.00150	-.00210
.500	2.000	-.04500	.16770	.17640	.02250	-.01200	.00180	-.00240
.500	3.000	-.04650	.28490	.17590	-.01450	-.01250	.00220	-.00260
.500	4.000	-.04540	.40200	.17700	-.05060	-.01320	.00240	-.00260
500	5.000	-.04150	.51470	.18030	-.08120	-.01360	.00260	-.00270
500	6.000	-.03750	.62450	.18610	-.10650	-.01310	.00250	-.00290
.500	7.000	-.03750	.73440	.19430	-.13120	-.01220	.00240	-.00290
.500	8.000	-.03770	.84310	.20410	-.15610	-.01190	.00230	-.00290
.500	9 000	-.03540	.94580	.21530	-.17900	-.01250	.00240	-.00280
.500	10 000	-.03290	1.04260	.22790	-.20110	-.01300	.00250	-.00270
.500	11.000	-.03400	1.13890	.24220	-.22520	-.01320	.00240	-.00260
500	12.000	-.03610	1.23770	.25840	-.25020	-.01350	.00220	-.00230
	GRADIENT	-.00200	.11519	-.00250	-.03032	-.00078	.00030	-.00022

RUN NO 334/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
600	-2.000	-.02250	-.32210	.20160	.14180	-.01310	.00060	-.00180
.600	-1.000	-.02300	-.19800	.19170	.11640	-.01220	.00060	-.00190
600	.000	-.02340	-.07570	.18520	.09140	-.01000	.00090	-.00180
600	1.000	-.02350	.04380	.18120	.06330	-.00970	.00120	-.00190
.600	2.000	-.02450	.16310	.17950	.02880	-.01090	.00150	-.00220
.600	3.000	-.02470	.28550	.17980	-.01240	-.01120	.00170	-.00240
600	4.000	-.02230	.40650	.18180	-.05120	-.01130	.00170	-.00250
600	5 000	-.02100	.52160	.18590	-.08130	-.01140	.00180	-.00240
.600	6.000	-.01890	.63490	.19350	-.10690	-.01190	.00200	-.00220
600	7.000	-.01780	.74910	.20440	-.13490	-.01230	.00220	-.00220
.600	8.000	-.01990	.85940	.21710	-.16550	-.01250	.00220	-.00210
600	9.000	-.02480	.96310	.23080	-.19340	-.01260	.00230	-.00210
.600	10 000	-.02480	1.06520	.24600	-.21890	-.01260	.00220	-.00190
.600	11.000	-.01980	1.16970	.26320	-.24140	-.01320	.00200	-.00160
600	12 000	-.01560	1.27330	.28220	-.25410	-.01410	.00180	-.00130
	GRADIENT	.00011	.12061	-.00211	-.03269	.00014	.00020	-.00011

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(R0M080) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 7.850

RUN NO. 331/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.02830	-.35030	.20870	.18050	-.00980	.00070	-.00170
.700	-1.000	-.02240	-.21100	.19780	.12840	-.01050	.00080	-.00200
.700	0.000	-.02000	-.07980	.19090	.09940	-.01090	.00090	-.00210
.700	1.000	-.02070	.04270	.18810	.06740	-.01070	.00110	-.00210
.700	2.000	-.02220	.16310	.18890	.03200	-.01050	.00130	-.00210
.700	3.000	-.02360	.28670	.19210	-.00970	-.01070	.00150	-.00240
.700	4.000	-.02530	.41460	.19730	-.05540	-.01090	.00170	-.00260
.700	5.000	-.02370	.53600	.20410	-.09520	-.01070	.00190	-.00250
.700	6.000	-.02210	.65030	.21240	-.12570	-.01030	.00200	-.00220
.700	7.000	-.02160	.76430	.22290	-.15160	-.01020	.00210	-.00190
.700	8.000	-.02080	.88090	.23610	-.17690	-.01070	.00200	-.00190
.700	9.000	-.01820	.99370	.25210	-.19720	-.01150	.00190	-.00230
.700	10.000	-.01530	1.09960	.27130	-.20990	-.01170	.00170	-.00280
.700	11.000	-.01490	1.19950	.29290	-.21210	-.01110	.00130	-.00310
.700	12.000	-.01490	1.28860	.31710	-.20070	-.01080	.00120	-.00300
	GRADIENT	-.00010	.12562	-.00035	-.03657	-.00009	.00018	-.00011

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM081) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 340/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.02170	-.25680	.08710	.09950	-.00980	.00040	-.00080
.150	-1.000	-.01570	-.12080	.08010	.06290	-.00590	.00020	-.00090
.150	.000	-.01770	-.02590	.07590	.04080	-.00480	.00010	-.00090
.150	1.000	-.02660	.05580	.07430	.02010	-.00500	-.00010	-.00100
.150	2.000	-.02930	.13990	.07500	-.00100	-.00550	-.00020	-.00100
.150	3.000	-.02600	.23490	.07700	-.02270	-.00690	-.00010	-.00100
.150	4.000	-.02580	.32980	.08030	-.04230	-.00570	.00010	-.00110
.150	5.000	-.02540	.41960	.08560	-.05660	-.00660	.00050	-.00120
.150	6.000	-.02290	.50990	.09270	-.07230	-.00860	.00090	-.00120
.150	7.000	-.02290	.60190	.10140	-.09730	-.00980	.00090	-.00120
.150	8.000	-.02370	.69380	.11110	-.12460	-.00980	.00030	-.00110
.150	9.000	-.02090	.78190	.12190	-.14630	-.01000	-.00010	-.00080
.150	10.000	-.01910	.86810	.13580	-.16060	-.00970	.00030	-.00060
.150	11.000	-.02290	.95330	.15470	-.17180	-.00780	.00080	-.00040
.150	12.000	-.02550	1.03270	.17810	-.18330	-.00740	.00120	-.00030
	GRADIENT	-.00124	.09350	-.00007	-.02179	.00023	-.00001	-.00005

RUN NO. 339/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.299	-2.000	-.02430	-.25300	.08980	.10300	-.00820	.00160	-.00130
.299	-1.000	-.02350	-.15040	.08300	.07780	-.00870	.00190	-.00140
.299	.000	-.01960	-.05510	.07940	.05150	-.00830	.00180	-.00130
.299	1.000	-.01740	.04240	.07830	.02710	-.00740	.00160	-.00130
.299	2.000	-.01710	.13590	.07900	.00530	-.00730	.00160	-.00130
.299	3.000	-.02080	.22850	.08090	-.01740	-.00790	.00180	-.00120
.299	4.000	-.02330	.32010	.08410	-.04020	-.00840	.00180	-.00120
.299	5.000	-.02220	.41210	.08890	-.06110	-.00900	.00180	-.00120
.299	6.000	-.01950	.50680	.09580	-.08040	-.00890	.00180	-.00130
.299	7.000	-.01850	.60330	.10470	-.10020	-.00590	.00190	-.00150
.299	8.000	-.02040	.69670	.11470	-.12150	-.00540	.00170	-.00140
.299	9.000	-.02340	.78610	.12630	-.14430	-.00580	.00160	-.00080
.299	10.000	-.02600	.87610	.14060	-.16530	-.00750	.00240	-.00020
.299	11.000	-.02680	.96550	.15910	-.18050	-.00950	.00340	.00000
.299	12.000	-.02530	1.04710	.18270	-.19090	-.01050	.00380	.00000
	GRADIENT	.00015	.09610	.00005	-.02342	.00005	.00001	.00002

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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 83

CA5 K1 F0 H15.6 V9.1 (PLUS ORB TC5 AT38.2)

(RQM081) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 338/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02150	-.28900	.09400	.10590	-.01190	.00170	-.00110
.500	-1.000	-.02290	-.18010	.08600	.07640	-.01100	.00190	-.00120
.500	.000	-.02120	-.06960	.08130	.04900	-.01020	.00180	-.00110
.500	1.000	-.01620	.03270	.07980	.02440	-.01000	.00190	-.00110
.500	2.000	-.01370	.13240	.08040	.00030	-.00980	.00190	-.00130
.500	3 000	-.01290	.23160	.08240	-.02340	-.00980	.00190	-.00130
.500	4.000	-.01090	.32930	.08590	-.04590	-.01030	.00200	-.00130
.500	5.000	-.00850	.42530	.09120	-.06700	-.01020	.00200	-.00140
.500	6 000	-.01090	.52210	.09890	-.08820	-.00930	.00180	-.00140
.500	7.000	-.01700	.62040	.10830	-.10870	-.00840	.00160	-.00120
.500	8 000	-.01700	.71800	.11930	-.12750	-.00840	.00150	-.00090
.500	9 000	-.01310	.81630	.13370	-.14850	-.00870	.00160	-.00100
.500	10.000	-.01250	.91260	.15260	-.16620	-.00920	.00200	-.00110
.500	11 000	-.01210	1.00120	.17570	-.18080	-.01020	.00250	-.00090
.500	12 000	-.00890	1.08130	.20280	-.19120	-.01130	.00310	-.00070
	GRADIENT	.00213	.10179	-.00019	-.02456	.00020	.00003	-.00004

RUN NO. 337/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2 000	-.01110	-.30500	.09700	.11420	-.01190	.00180	-.00120
.600	-1.000	-.01460	-.19500	.08830	.08550	-.01120	.00180	-.00140
.600	.000	-.01590	-.08300	.08310	.05770	-.01130	.00200	-.00140
.600	1.000	-.01260	.02230	.08110	.03220	-.01150	.00220	-.00130
.600	2 000	-.00830	.12550	.08180	.00540	-.01140	.00230	-.00140
.600	3 000	-.01280	.22840	.08420	-.02070	-.01080	.00230	-.00140
.600	4.000	-.01480	.32980	.08830	-.04530	-.00990	.00210	-.00130
.600	5.000	-.01710	.42940	.09440	-.06810	-.00930	.00190	-.00130
.600	6 000	-.02070	.53030	.10310	-.08750	-.00860	.00160	-.00130
.600	7.000	-.02100	.63350	.11420	-.10540	-.00830	.00150	-.00090
.600	8.000	-.01950	.73580	.12780	-.12950	-.00830	.00140	-.00030
.600	9.000	-.01990	.83650	.14530	-.15580	-.00910	.00160	-.00020
.600	10.000	-.01530	.93260	.16730	-.17730	-.01020	.00200	-.00040
.600	11.000	-.01010	1.01970	.19400	-.19220	-.01070	.00230	-.00020
.600	12 000	-.01050	1.09880	.22400	-.20800	-.01050	.00230	.00010
	GRADIENT	-.00035	.10479	-.00017	-.02610	.00031	.00004	-.00000

CAS K1 F0 H15.6 V9.1 (PLUS ORB TC5 AT38.2)

(RGM081) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7.850

RUN NO. 336/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.00650	-.33010	.10320	.12460	-.01190	.00170	- .00130
.700	-1 000	-.00940	-.21730	.09310	.09770	-.01160	.00180	- .00160
.700	000	-.01460	-.10100	.08720	.06970	-.01120	.00190	- .00140
.700	1 000	-.01640	.01000	.08540	.04230	-.01100	.00210	- .00120
.700	2 000	-.01410	.11840	.08660	.01140	-.01090	.00220	- .00110
.700	3.000	-.01160	.22500	.09070	-.01970	-.01060	.00230	- .00100
.700	4.000	-.01500	.32910	.09740	-.04880	-.00990	.00220	- .00080
.700	5.000	-.01410	.43130	.10610	-.07530	-.00900	.00200	- .00090
.700	6.000	-.00840	.53390	.11670	-.09880	-.00830	.00180	- .00080
.700	7 000	-.00630	.64090	.12970	-.12220	-.00760	.00170	- .00060
.700	8 000	-.00850	.74980	.14580	-.14720	-.00720	.00150	- .00080
.700	9 000	-.00740	.85300	.16550	-.17110	-.00750	.00140	- .00120
.700	10.000	-.00590	.94770	.18910	-.18790	-.00850	.00160	- .00040
.700	11.000	-.00270	1.03060	.21670	-.19650	-.00850	.00130	.00050
.700	12 000	.00110	1.10360	.24730	-.20360	-.00790	.00080	.00090
	GRADIENT	- .00083	.10891	.00064	-.02894	.00037	.00006	.00010

CAS K1 F0 H15.6 V9.1 (PLUS ORB TC5 AT38.2)

(R6M082) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 344/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	1.92960	.16930	.06360	-.05390	.29810	-.02310	.03330
.300	-10.000	1.93470	.15820	.06640	-.04560	.25000	-.01890	.02880
.300	-8 000	1.93880	.15110	.07080	-.03290	.19600	-.01370	.02330
.300	-6.000	1.94240	.14530	.07460	-.01380	.14130	-.00890	.01740
300	-4 000	1.94560	.14020	.07700	.00510	.08890	-.00500	.01140
.300	-3 000	1.94680	.13840	.07750	.01070	.06420	-.00320	.00830
.300	-2.000	1.94750	.13760	.07790	.01140	.04010	-.00150	.00520
.300	-1.000	1.94780	.13860	.07860	.00950	.01590	.00020	.00200
.300	.000	1.94730	.14050	.07930	.00540	-.00840	.00190	-.00140
.300	1.000	1.94640	.14220	.07970	.00430	-.03260	.00350	-.00450
300	2.000	1.94600	.14400	.07970	.00200	-.05670	.00490	-.00750
.300	3.000	1.94570	.14650	.07920	-.00330	-.08140	.00630	-.01040
.300	4.000	1.94510	.14920	.07820	-.01000	-.10690	.00790	-.01360
.300	6.000	1.94210	.15640	.07500	-.02650	-.16010	.01170	-.01990
.300	8.000	1.93710	.16680	.07100	-.04580	-.21370	.01580	-.02450
300	10.000	1.93080	.17860	.06700	-.06290	-.26640	.02000	-.02800
.300	12.000	1.92580	.18710	.06440	-.07120	-.31790	.02380	-.03250
GRADIENT		-.00016	.00128	.00024	-.00209	-.02437	.00160	-.00313

RUN NO. 343/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	1.93100	.16140	.06780	-.05200	.30020	-.02330	.03290
.500	-10.000	1.93400	.15200	.06840	-.04940	.25340	-.01950	.02890
.500	-8.000	1.93880	.14460	.07240	-.03690	.20020	-.01440	.02350
.500	-6.000	1.94290	.13850	.07650	-.01920	.14530	-.00970	.01760
.500	-4.000	1.94470	.13390	.07890	-.00250	.09150	-.00570	.01140
.500	-3.000	1.94520	.13240	.07930	.00280	.06530	-.00370	.00820
500	-2.000	1.94570	.13180	.07940	.00460	.03950	-.00160	.00510
.500	-1.000	1.94600	.13220	.07970	.00370	.01380	.00040	.00180
.500	.000	1.94590	.13330	.08030	.00120	-.01140	.00220	-.00140
.500	1.000	1.94590	.13390	.08080	-.00120	-.03630	.00380	-.00460
500	2 000	1.94500	.13450	.08090	-.00290	-.06120	.00540	-.00770
.500	3.000	1.94570	.13620	.08060	-.00700	-.08700	.00710	-.01080
.500	4.000	1.94430	.13960	.07970	-.01560	-.11430	.00890	-.01390
.500	6.000	1.94070	.14790	.07670	-.03670	-.16980	.01290	-.02000
500	8.000	1.93800	.15400	.07270	-.05080	-.22260	.01680	-.02530
500	10 000	1.93530	.15900	.06920	-.05710	-.27300	.02070	-.02980
500	12.000	1.92910	.16860	.06830	-.06540	-.32500	.02420	-.03400
GRADIENT		.00001	.00069	.00019	-.00169	-.02553	.00180	-.00317

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CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM082) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7.850

RUN NO. 342/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
600	-12.000	1.92300	.15150	.07230	-.03750	.30260	-.02280	.03240
600	-10.000	1.92610	.14490	.07220	-.04030	.25620	-.01970	.02870
.600	-8.000	1.92930	.13850	.07510	-.03170	.20430	-.01470	.02340
.600	-6 000	1.93210	.13170	.07840	-.01630	.14990	-.01000	.01750
.600	-4.000	1.93440	.12520	.08070	- 00010	.09540	-.00620	.01150
.600	-3.000	1.93600	.12300	.08110	.00540	.06840	-.00430	.00840
600	-2.000	1.93760	.12210	.08120	.00780	.04160	-.00210	.00520
.600	-1.000	1.93770	.12270	.08130	.00790	.01510	.00000	.00190
.600	.000	1.93660	.12440	.08180	.00680	- 01100	.00200	-.00130
600	1.000	1.93550	.12590	.08240	.00510	-.03710	.00380	-.00450
.600	2 000	1.93530	.12670	.08270	.00250	- 06310	.00550	- 00770
.600	3.000	1.93510	.12830	.08250	-.00290	-.08960	.00720	- 01090
.600	4 000	1.93420	.13220	.08170	-.01300	-.11710	.00910	-.01410
.600	6.000	1.93100	.14230	.07890	-.03630	-.17330	.01350	-.02040
.600	8 000	1.92870	.14850	.07590	- 04990	-.22710	.01780	-.02570
.600	10 000	1.92690	.15170	.07380	-.05230	- 27760	.02140	- 03000
600	12.000	1.92430	.15990	.07360	-.05440	- 32630	.02400	- 03390
	GRADIENT	-.00017	.00094	.00020	-.00150	-.02643	.00191	- 00321

RUN NO. 341/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
700	-12.000	1.92520	.13370	.08310	-.02750	.30910	- 02240	.03090
.700	-10.000	1.92430	.13340	.08190	-.02820	.26340	-.02060	.02750
.700	-8.000	1.92580	.13040	.08330	-.01910	.21090	-.01560	.02240
.700	-6 000	1.92890	.12420	.08520	-.00420	.15540	- 01050	.01680
.700	-4.000	1.93210	.11660	.08650	.01060	.09970	- 00640	.01120
.700	-3.000	1.93350	.11350	.08650	.01560	.07190	-.00450	.00830
.700	-2 000	1.93400	.11220	.08620	.01790	.04400	- 00240	.00520
700	-1.000	1.93300	.11250	.08600	.01720	.01650	- 00030	.00210
700	.000	1.93200	.11340	.08640	.01490	-.01040	.00170	- 00100
700	1 000	1.93230	.11400	.08710	.01390	-.03740	.00370	- 00400
.700	2.000	1.93350	.11420	.08780	.01330	-.06480	.00540	-.00710
700	3 000	1.93430	.11570	.08800	.00910	- 09280	.00730	-.01020
.700	4.000	1.93380	.11980	.08750	-.00020	-.12140	.00930	-.01340
700	6 000	1.93040	.13050	.08570	-.02370	-.17920	.01390	-.01950
.700	8.000	1.92650	.13810	.08420	-.04000	-.23470	.01830	-.02480
700	10 000	1.92330	.14170	.08370	-.04490	-.28650	.02210	- 02900
.700	12.000	1.92020	.14540	.08450	-.04320	-.33510	.02440	- 03260
	GRADIENT	.00013	.00041	.00021	-.00125	- 02750	.00196	-.00308

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT, XMRP = 1339.9100 IN, XC
 LREF = 327 8000 IN, YMRP = .0000 IN, YC
 BREF = 2348 0000 IN, ZMRP = 190.7500 IN, ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.650

RUN NO. 350/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12 000	5.81400	.51140	.08250	-.05920	.28720	-.02140	.03890
.150	-10.000	5.81640	.50660	.08470	-.04490	.23700	-.01820	.03340
.150	-8 000	5.82080	.49490	.08780	-.02350	.18240	-.01440	.02700
.150	-6.000	5.82420	.48640	.08980	.00370	.12920	-.01050	.02000
.150	-4.000	5.82570	.48510	.09110	.02950	.08040	-.00670	.01270
.150	-3.000	5.82570	.48760	.09180	.03650	.05810	-.00470	.00920
.150	-2.000	5.82470	.49110	.09210	.03510	.03570	-.00260	.00580
.150	-1.000	5.82420	.49340	.09240	.02560	.01540	-.00060	.00240
.150	.000	5.82370	.49430	.09260	.01540	-.00670	.00160	-.00120
.150	1.000	5.82370	.49540	.09310	.01060	-.03070	.00410	-.00500
.150	2.000	5.82420	.49540	.09310	.01070	-.05610	.00640	-.00890
.150	3 000	5.82370	.49530	.09250	.00920	-.08140	.00840	-.01260
.150	4 000	5.82230	.49790	.09190	.00160	-.10590	.00990	-.01570
.150	6.000	5.81690	.50860	.09020	-.02110	-.15340	.01250	-.02110
.150	8 000	5.81300	.51990	.08720	-.03800	-.20180	.01560	-.02700
.150	10.000	5.81100	.52800	.08350	-.04860	-.25150	.01890	-.03330
.150	12.000	5.80910	.52860	.08060	-.06340	-.30100	.02110	-.03890
GRADIENT		-.00035	.00141	.00014	-.00429	-.02326	.00214	-.00360

RUN NO. 349/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.80760	.53060	.08360	-.14270	.28720	-.02310	.03750
.300	-10.000	5.80860	.52510	.08570	-.13250	.23860	-.01960	.03200
.300	-8 000	5.81400	.51060	.08820	-.11180	.18630	-.01560	.02670
.300	-6.000	5.81880	.50050	.09060	-.08860	.13320	-.01120	.02070
.300	-4.000	5.82080	.49930	.09280	-.06970	.08170	-.00660	.01350
.300	-3.000	5.82130	.50100	.09360	-.06430	.05770	-.00440	.00980
.300	-2.000	5.82130	.50240	.09430	-.06250	.03490	-.00230	.00630
.300	-1.000	5.82080	.50280	.09480	-.06280	.01200	-.00020	.00270
.300	.000	5.82080	.50340	.09510	-.06420	-.01180	.00210	-.00120
.300	1 000	5.82130	.50540	.09540	-.06690	-.03620	.00440	-.00500
.300	2.000	5.82130	.50750	.09530	-.07020	-.06120	.00670	-.00880
.300	3 000	5.82130	.50960	.09500	-.07490	-.08620	.00900	-.01230
.300	4.000	5.82030	.51250	.09460	-.08330	-.11090	.01090	-.01560
.300	6 000	5.81540	.52080	.09320	-.10670	-.16030	.01430	-.02170
.300	8 000	5.81050	.53080	.08970	-.12860	-.21020	.01750	-.02730
.300	10.000	5.80710	.53780	.08630	-.14280	-.25970	.02030	-.03270
.300	12 000	5.80760	.53380	.08300	-.14520	-.30740	.02270	-.03830
GRADIENT		-.00002	.00152	.00023	-.00176	-.02404	.00221	-.00368

CAS K1 F0 H15.6 V9.1 (PLUS ORB TC5 AT38 2)

(RGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

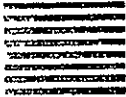
ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 348/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.80520	.53700	.08800	-.14630	29280	-.02410	.03730
500	-10.000	5.80520	.53290	.08810	-.13780	24510	-.02050	.03240
500	-8.000	5.81050	.51890	.09050	-.11950	.19390	-.01710	.02710
.500	-6.000	5.81590	.50820	.09330	-.09830	.14040	-.01250	.02080
500	-4.000	5.81880	.50600	.09540	-.08110	.08710	-.00710	.01360
.500	-3.000	5.81840	.50790	.09620	-.07680	.06170	-.00470	.00990
.500	-2.000	5.81840	.50950	.09690	-.07560	.03760	-.00250	.00620
.500	-1.000	5.81880	.50980	.09730	-.07590	.01410	-.00040	.00240
.500	.000	5.81930	.50990	.09770	-.07680	-.01020	.00180	-.00130
500	1.000	5.81980	.51050	.09810	-.07790	-.03550	.00410	-.00510
500	2.000	5.81880	.51140	.09820	-.08120	-.06100	.00650	-.00880
.500	3.000	5.81740	.51290	.09790	-.08750	-.08690	.00880	-.01250
500	4.000	5.81590	.51540	.09710	-.09620	-.11310	.01110	-.01600
.500	6.000	5.81250	.52290	.09480	-.11750	-.16590	.01530	-.02240
.500	8.000	5.80860	.53250	.09210	-.13900	-.21820	.01880	-.02790
500	10.000	5.80620	.54020	.08940	-.15190	-.26860	.02160	-.03310
500	12.000	5.80470	.53900	.08730	-.14550	-.31580	.02370	-.03850
GRADIENT		-.00021	.00095	.00026	-.00176	-.02489	.00226	-.00372

RUN NO. 347/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.80080	.54390	.09420	-.13570	29920	-.02470	.03770
600	-10.000	5.80420	.53910	.09300	-.13010	.25140	-.02170	.03280
.600	-8.000	5.80910	.52620	.09450	-.11370	.19990	-.01760	.02750
.600	-6.000	5.81250	.51750	.09700	-.09530	.14600	-.01290	.02120
.600	-4.000	5.81400	.51640	.09960	-.08190	.09180	-.00790	.01390
.600	-3.000	5.81400	.51730	.10040	-.07920	.06570	-.00530	.01010
.600	-2.000	5.81400	.51780	.10100	-.07970	.04070	-.00290	.00650
.600	-1.000	5.81450	.51780	.10130	-.08210	.01600	-.00070	.00280
.600	.000	5.81490	.51820	.10180	-.08420	-.00880	.00150	-.00100
.600	1.000	5.81450	.51960	.10220	-.08410	-.03420	.00360	-.00490
.600	2.000	5.81450	.52090	.10240	-.08280	-.06080	.00600	-.00870
600	3.000	5.81400	.52190	.10220	-.08460	-.08840	.00870	-.01230
600	4.000	5.81350	.52370	.10160	-.09220	-.11620	.01120	-.01590
.600	6.000	5.81050	.53010	.09970	-.11700	-.17080	.01560	-.02250
.600	8.000	5.80860	.53610	.09820	-.13930	-.22320	.01930	-.02810
.600	10.000	5.80660	.54430	.09730	-.15020	-.27360	.02260	-.03300
600	12.000	5.80420	.54210	.09670	-.14540	-.32390	.02540	-.03780
GRADIENT		-.00002	.00085	.00028	-.00109	-.02579	.00234	-.00374



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15 6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 346/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.80420	.53780	.10790	-.11260	.31130	-.02450	.03510
.700	-10.000	5.80370	.53570	.10650	-.10580	.26300	-.02240	.03110
.700	-8 000	5.80810	.52470	.10780	-.09480	.20770	-.01750	.02600
.700	-6 000	5.81150	.51670	.11050	-.08590	.15160	-.01230	.02000
.700	-4.000	5.81150	.51600	.11350	-.08280	.09740	-.00790	.01330
700	-3 000	5 81150	.51700	.11430	-.08410	.07040	-.00550	.00980
700	-2 000	5 81200	.51730	.11430	-.08700	.04320	-.00290	.00620
.700	-1.000	5.81250	.51750	.11440	-.09050	.01690	-.00060	.00270
700	.000	5.81150	.51830	.11480	-.09210	-.00850	.00140	-.00080
700	1.000	5.81050	.51880	.11520	-.09060	-.03450	.00340	-.00440
700	2.000	5 81050	.51880	.11540	-.08840	-.06220	.00560	-.00790
.700	3.000	5.81150	.51860	.11530	-.08780	-.09110	.00830	-.01140
700	4.000	5.81150	.51940	.11460	-.09090	-.11950	.01090	-.01460
.700	6.000	5.81010	.52530	.11260	-.10630	-.17440	.01520	-.02060
.700	8.000	5.80570	.53480	.11110	-.12540	-.22850	.01930	-.02610
.700	10.000	5.80130	.54310	.11050	-.13850	-.28210	.02300	-.03130
.700	12.000	5.80030	.54130	.11000	-.13510	-.33500	.02590	-.03600
	GRADIENT	-.00008	.00038	.00017	-.00077	-.02690	.00229	-.00351

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM084) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7.850

RUN NO. 354/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02200	-.29920	.08950	.24060	-.00610	.00150	-.00110
.300	-1.000	-.02130	-.19770	.08230	.21430	-.00680	.00190	-.00130
.300	.000	-.02250	-.09340	.07820	.18860	-.00650	.00180	-.00140
.300	1.000	-.02410	.00490	.07640	.16460	-.00590	.00150	-.00130
.300	2.000	-.02510	.10010	.07650	.14020	-.00610	.00150	-.00120
.300	3.000	-.02310	.19400	.07780	.11520	-.00650	.00160	-.00120
.300	4.000	-.02110	.28720	.08040	.09150	-.00690	.00170	-.00120
.300	5.000	-.02020	.38060	.08490	.06960	-.00680	.00170	-.00130
.300	6.000	-.01870	.47550	.09150	.04850	-.00620	.00180	-.00130
.300	7.000	-.01830	.57120	.09960	.02740	-.00520	.00190	-.00140
.300	8.000	-.01600	.66440	.10900	.00510	-.00430	.00170	-.00140
.300	9.000	-.01640	.75640	.12010	-.01880	-.00470	.00170	-.00090
.300	10.000	-.01800	.84830	.13390	-.04050	-.00700	.00250	-.00030
.300	11.000	-.02160	.93730	.15190	-.05630	-.00950	.00340	-.00020
.300	12.000	-.02330	1.01840	.17490	-.06810	-.01010	.00390	-.00020
GRADIENT		.00013	.09691	-.00052	-.02447	-.00007	-.00000	-.00000

RUN NO. 353/ 0 RN/L = 2.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.00620	-.32870	.09390	.24500	-.00920	.00130	-.00100
.500	-1.000	-.01430	-.22080	.08540	.21630	-.00870	.00170	-.00110
.500	.000	-.01650	-.11120	.08020	.18950	-.00830	.00180	-.00100
.500	1.000	-.00890	-.00860	.07800	.16570	-.00800	.00170	-.00110
.500	2.000	-.00930	.09170	.07810	.14110	-.00810	.00180	-.00120
.500	3.000	-.01500	.19100	.07980	.11470	-.00820	.00190	-.00120
.500	4.000	-.01750	.28910	.08270	.08880	-.00830	.00180	-.00120
.500	5.000	-.01750	.38580	.08750	.06470	-.00780	.00160	-.00130
.500	6.000	-.01710	.48350	.09450	.04170	-.00720	.00160	-.00140
.500	7.000	-.01520	.58220	.10340	.01980	-.00680	.00160	-.00120
.500	8.000	-.01320	.68050	.11370	-.00090	-.00660	.00160	-.00090
.500	9.000	-.01440	.77870	.12740	-.02120	-.00630	.00150	-.00100
.500	10.000	-.01740	.87520	.14570	-.04100	-.00650	.00160	-.00130
.500	11.000	-.01950	.96590	.16850	-.05710	-.00770	.00230	-.00120
.500	12.000	-.02040	1.04830	.19530	-.07180	-.00930	.00300	-.00100
GRADIENT		-.00108	.10188	-.00071	-.02558	.00014	.00004	-.00004

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TCS AT3B.2)

(RGM084) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7.850

RUN NO. 352/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01420	-.34320	.09700	.25200	-.01170	.00180	-.00120
.600	-1.000	-.01670	-.23360	.08750	.22530	-.01040	.00160	-.00150
.600	.000	-.01850	-.12170	.08160	.19650	-.01040	.00180	-.00160
.600	1 000	-.01950	-.01660	.07930	.16990	-.01110	.00220	-.00160
.600	2.000	-.02230	.08860	.07910	.14330	-.01110	.00230	-.00160
.600	3.000	-.01920	.19270	.08110	.11400	-.01060	.00220	-.00160
.600	4.000	-.01170	.29350	.08490	.08460	-.01000	.00210	-.00150
.600	5 000	-.01230	.39290	.09050	.05980	-.00920	.00190	-.00150
.600	6.000	-.01650	.49510	.09840	.03890	-.00830	.00160	-.00150
.600	7.000	-.01760	.60000	.10890	.01700	-.00780	.00150	-.00110
.600	8 000	-.01700	.70380	.12250	-.00810	-.00800	.00140	-.00060
.600	9 000	-.01480	.80450	.14000	-.03460	-.00890	.00160	-.00060
.600	10.000	-.00950	.90010	.16140	-.05760	-.01010	.00190	-.00070
.600	11 000	-.00450	.98830	.18750	-.07700	-.01040	.00210	-.00060
.600	12 000	-.00460	1.06880	.21730	-.09710	-.00980	.00220	-.00040
	GRADIENT	.00040	.10520	-.00072	-.02765	.00022	.00005	-.00003

RUN NO. 351/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01210	-.35420	.10340	.25270	-.01120	.00140	-.00120
.700	-1 000	-.00980	-.25230	.09220	.22910	-.01120	.00160	-.00160
.700	.000	-.00890	-.13690	.08550	.20330	-.01090	.00170	-.00140
.700	1 000	-.01400	-.02600	.08320	.17650	-.01060	.00190	-.00140
.700	2.000	-.01590	.08290	.08440	.14370	-.01070	.00210	-.00140
.700	3 000	-.00950	.19020	.08820	.10780	-.01050	.00210	-.00120
.700	4.000	-.00720	.29530	.09430	.07340	-.00970	.00190	-.00100
.700	5.000	-.01050	.39890	.10230	.04310	-.00860	.00170	-.00090
.700	6.000	-.00850	.50320	.11240	.01720	-.00770	.00160	-.00090
.700	7 000	-.00470	.61180	.12520	-.00820	-.00690	.00140	-.00060
.700	8.000	-.00640	.72190	.14100	-.03540	-.00640	.00120	-.00070
.700	9.000	-.01440	.82590	.16040	-.06160	-.00680	.00110	-.00090
.700	10.000	-.01230	.91990	.18360	-.07990	-.00780	.00130	-.00040
.700	11.000	-.00680	1.00220	.21090	-.08990	-.00790	.00120	.00000
.700	12.000	-.00360	1.07560	.24110	-.09910	-.00740	.00090	.00020
	GRADIENT	.00024	.10917	.00014	-.03054	.00032	.00006	.00007

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM085) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7 650

RUN NO. 358/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02250	-.22010	.09140	-.04840	-.00760	.00190	-.00090
.300	-1.000	-.02290	-.12020	.08520	-.07150	-.00800	.00220	-.00110
.300	.000	-.02400	-.01690	.08200	-.09540	-.00790	.00220	-.00100
.300	1.000	-.02550	.08170	.08140	-.11760	-.00770	.00210	-.00100
.300	2.000	-.02560	.17580	.08260	-.13840	-.00770	.00210	-.00090
.300	3.000	-.02540	.26890	.08490	-.15880	-.00800	.00220	-.00080
.300	4.000	-.02800	.35950	.08830	-.17650	-.00810	.00230	-.00070
.300	5.000	-.02790	.45030	.09350	-.19260	-.00730	.00210	-.00080
.300	6.000	-.02460	.54390	.10080	-.20990	-.00680	.00210	-.00090
.300	7.000	-.02370	.63860	.11000	-.22880	-.00630	.00220	-.00110
.300	8.000	-.02460	.73130	.12060	-.24830	-.00560	.00200	-.00110
.300	9.000	-.02200	.82170	.13300	-.26920	-.00620	.00210	-.00070
.300	10.000	-.02030	.91310	.14740	-.29040	-.00670	.00290	-.00020
.300	11.000	-.02250	1.00110	.16580	-.30530	-.01080	.00400	.00020
.300	12.000	-.02550	1.08060	.18970	-.31270	-.01100	.00430	.00030
GRADIENT		-.00080	.09575	.00048	-.02078	.00002	.00002	.00004

RUN NO. 357/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02450	-.25230	.09570	-.03880	-.01070	.00190	-.00070
.500	-1.000	-.02040	-.14500	.08830	-.06670	-.01030	.00220	-.00090
.500	.000	-.01810	-.03610	.08410	-.09180	-.01000	.00230	-.00080
.500	1.000	-.01760	.06570	.08290	-.11340	-.00970	.00230	-.00080
.500	2.000	-.02270	.16410	.08390	-.13470	-.00940	.00230	-.00080
.500	3.000	-.02250	.26210	.08650	-.15520	-.00950	.00240	-.00090
.500	4.000	-.01820	.35880	.09050	-.17370	-.00980	.00240	-.00090
.500	5.000	-.01760	.45410	.09610	-.19110	-.00950	.00230	-.00100
.500	6.000	-.01870	.54970	.10390	-.20820	-.00870	.00210	-.00110
.500	7.000	-.01720	.64750	.11370	-.22530	-.00800	.00200	-.00100
.500	8.000	-.01400	.74500	.12510	-.24300	-.00800	.00190	-.00070
.500	9.000	-.01400	.84270	.13970	-.26280	-.00810	.00200	-.00090
.500	10.000	-.01360	.93920	.15870	-.28050	-.00840	.00220	-.00140
.500	11.000	-.01020	1.02670	.18180	-.29100	-.00940	.00280	-.00110
.500	12.000	-.01070	1.10710	.20900	-.29840	-.01080	.00350	-.00050
GRADIENT		.00049	.10068	.00026	-.02158	.00015	.00005	-.00003

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM085) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = 10.000 ELV-OB = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 358/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01640	-.26820	.09850	-.02730	-.01290	.00230	-.00100
.600	-1.000	-.01690	-.15920	.09040	-.05400	-.01190	.00220	-.00130
.600	.000	-.01750	-.04850	.08570	-.07990	-.01190	.00230	-.00120
.600	1.000	-.01720	.05540	.08440	-.10450	-.01210	.00260	-.00120
.600	2.000	-.01110	.15870	.08520	-.12740	-.01210	.00270	-.00130
.600	3.000	-.00900	.26100	.08800	-.14890	-.01150	.00270	-.00130
.600	4.000	-.01570	.36020	.09240	-.16860	-.01090	.00250	-.00120
.600	5.000	-.02110	.45810	.09880	-.18590	-.01030	.00230	-.00120
.600	6.000	-.02050	.55790	.10760	-.20160	-.00940	.00210	-.00120
.600	7.000	-.01990	.66090	.11880	-.21880	-.00860	.00180	-.00090
.600	8.000	-.01700	.76360	.13260	-.23890	-.00870	.00180	-.00040
.600	9.000	-.01500	.86320	.15060	-.25950	-.00940	.00190	-.00050
.600	10.000	-.01470	.95790	.17320	-.27630	-.01030	.00220	-.00070
.600	11.000	-.01340	1.04520	.19980	-.28830	-.01100	.00260	-.00040
.600	12.000	-.00960	1.12370	.22970	-.30100	-.01110	.00280	-.00010
GRADIENT		.00006	.10372	.00024	-.02277	.00029	.00003	-.00002

RUN NO 355/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01910	-.29410	.10420	-.00620	-.01300	.00220	-.00100
.700	-1.000	-.02400	-.18200	.09490	-.03390	-.01260	.00220	-.00140
.700	.000	-.02720	-.06710	.08950	-.06170	-.01230	.00230	-.00120
.700	1.000	-.02310	.04250	.08790	-.08680	-.01200	.00240	-.00100
.700	2.000	-.01910	.15010	.08990	-.11190	-.01210	.00260	-.00090
.700	3.000	-.01790	.25600	.09440	-.13760	-.01170	.00270	-.00090
.700	4.000	-.01880	.35940	.10100	-.16240	-.01090	.00250	-.00090
.700	5.000	-.02400	.45960	.10970	-.18370	-.00980	.00230	-.00090
.700	6.000	-.02900	.56150	.12050	-.20240	-.00890	.00220	-.00070
.700	7.000	-.02690	.66860	.13370	-.22160	-.00810	.00200	-.00060
.700	8.000	-.02230	.77620	.15030	-.24250	-.00760	.00180	-.00080
.700	9.000	-.02160	.87880	.17060	-.26390	-.00810	.00180	-.00090
.700	10.000	-.02340	.97200	.19440	-.27910	-.00910	.00190	-.00050
.700	11.000	-.02020	1.05470	.22190	-.28530	-.00940	.00180	.00010
.700	12.000	-.01100	1.12650	.25270	-.28910	-.00890	.00160	.00030
GRADIENT		.00028	.10785	.00102	-.02545	.00039	.00004	.00005

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TCS AT38 2)

(RGM086) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7.850

RUN NO. 362/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79590	.53360	.08370	-.15290	.32300	-.04210	.03980
.300	-10.000	5.79880	.52870	.08620	-.14380	.27360	-.03880	.03380
.300	-8.000	5.80420	.51500	.08900	-.12230	.22050	-.03430	.02830
.300	-6.000	5.80960	.50280	.09140	-.09620	.16730	-.02950	.02240
.300	-4.000	5.81300	.49760	.09340	-.07430	.11630	-.02520	.01560
.300	-3.000	5.81350	.49820	.09420	-.06890	.09250	-.02320	.01200
.300	-2.000	5.81300	.50010	.09490	-.06870	.06960	-.02120	.00850
.300	-1.000	5.81250	.50180	.09550	-.07160	.04630	-.01910	.00480
.300	.000	5.81250	.50380	.09610	-.07660	.02240	-.01670	.00100
.300	1.000	5.81300	.50620	.09660	-.08240	-.00150	-.01450	-.00270
.300	2.000	5.81300	.50800	.09680	-.08730	-.02580	-.01230	-.00630
.300	3.000	5.81150	.51030	.09660	-.09300	-.05040	-.01030	-.00990
.300	4.000	5.80910	.51430	.09640	-.10210	-.07490	-.00850	-.01300
.300	6.000	5.80420	.52490	.09520	-.12550	-.12440	-.00540	-.01870
.300	8.000	5.79980	.53230	.09160	-.14480	-.17490	-.00210	-.02460
.300	10.000	5.79830	.53500	.08690	-.15530	-.22570	.00140	-.03060
.300	12.000	5.79930	.53270	.08380	-.15630	-.27520	.00480	-.03630
	GRADIENT	-.00035	.00205	.00040	-.00386	-.02387	.00213	-.00362

RUN NO. 361/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79640	.53140	.08840	-.13230	.32760	-.04320	.03940
.500	-10.000	5.79930	.52530	.08840	-.12520	.28100	-.04050	.03430
.500	-8.000	5.80420	.51120	.09070	-.10770	.22820	-.03590	.02890
.500	-6.000	5.80910	.50040	.09360	-.08510	.17370	-.03090	.02260
.500	-4.000	5.81250	.49750	.09600	-.06590	.12070	-.02590	.01540
.500	-3 000	5.81300	.49920	.09690	-.06250	.09600	-.02370	.01170
.500	-2 000	5.81300	.50190	.09760	-.06440	.07240	-.02180	.00800
.500	-1.000	5.81250	.50380	.09820	-.06840	.04850	-.01980	.00430
.500	.000	5.81150	.50530	.09890	-.07310	.02370	-.01740	.00060
.500	1.000	5.81050	.50700	.09950	-.07800	-.00140	-.01500	-.00310
.500	2.000	5.81010	.50890	.09980	-.08320	-.02650	-.01290	-.00680
.500	3.000	5.80960	.51080	.09970	-.08930	-.05180	-.01070	-.01050
.500	4.000	5.80810	.51340	.09930	-.10000	-.07760	-.00860	-.01400
.500	6.000	5.80470	.52110	.09750	-.12290	-.12970	-.00470	-.02010
.500	8 000	5.80030	.53010	.09460	-.14230	-.18130	-.00150	-.02550
.500	10.000	5.79640	.53690	.09140	-.15160	-.23240	.00140	-.03080
.500	12.000	5.79590	.53580	.08940	-.14610	-.28450	.00570	-.03690
	GRADIENT	-.00059	.00193	.00045	-.00445	-.02474	.00218	-.00369

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM086) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10 000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 350/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5 79440	.53740	.09460	-.11190	.33230	- 04340	.03910
.500	-10.000	5 79740	.53320	.09290	-.11190	.28600	- 04160	.03450
.600	-8.000	5 80220	.52060	.09430	-.09650	.23220	-.03670	.02900
.500	-6 000	5 80620	.51090	.09700	-.07790	.17660	-.03130	.02260
.500	-4 000	5 80910	.50900	.09980	-.06380	.12260	-.02650	.01530
.600	-3.000	5 80760	.51030	.10080	-.05230	.09710	- 02430	.01160
.500	-2.000	5 80660	.51170	.10140	-.06590	.07250	-.02210	.00800
.600	-1.000	5 80620	.51320	.10200	- 07200	.04780	- 01990	.00430
.600	.000	5 80620	.51540	.10260	- 07760	.02270	- 01760	.00040
.500	1.000	5 80570	.51780	.10310	-.08090	-.00300	- 01540	- 00340
.600	2.000	5 80420	.51930	.10360	- 08310	-.02930	-.01320	-.00710
.600	3.000	5 80370	.52090	.10380	- 08790	- 05620	- 01080	- 01080
.600	4 000	5 80370	.52340	.10330	-.09750	-.08330	- 00840	-.01430
.600	6 000	5 80220	.53110	.10160	- 12270	-.13660	- 00450	-.02070
.600	8.000	5 79740	.53910	.10020	-.14210	-.18800	-.00130	-.02620
.600	10 000	5 79250	.54420	.09940	-.14920	-.23900	.00190	-.03110
.600	12.000	5 79390	.54220	.09800	-.14400	-.29350	.00710	-.03660
GRADIENT		- 00058	.00182	.00047	-.00425	-.02563	.00225	-.00372

RUN NO. 359/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5 79830	.52940	.10820	-.08860	.33990	- 04140	.03610
.700	-10 000	5 79880	.52850	.10590	-.08550	.29790	- 04320	.03270
.700	-8.000	5 80130	.51870	.10750	- 07340	.24130	- 03750	.02750
.700	-6.000	5 80370	.51140	.11060	-.06390	.18290	-.03120	.02130
.700	-4 000	5 80470	.51090	.11360	-.06310	.12860	-.02690	.01470
.700	-3.000	5 80420	.51230	.11440	-.06700	.10250	-.02500	.01130
.700	-2.000	5 80370	.51350	.11470	-.07310	.07610	-.02270	.00780
.700	-1.000	5 80270	.51440	.11520	-.07950	.04970	-.02030	.00420
.700	.000	5 80180	.51610	.11590	-.08390	.02350	-.01820	.00060
.700	1 000	5 80180	.51790	.11650	-.08470	-.00270	- 01620	-.00290
.700	2 000	5 80220	.51890	.11690	- 08400	-.02990	- 01420	-.00650
.700	3 000	5 80220	.51950	.11710	- 08510	-.05810	-.01170	-.00980
.700	4 000	5 80220	.52150	.11650	- 09030	-.08620	- 00930	-.01300
.700	6.000	5 79930	.52930	.11470	- 10790	-.14050	- 00520	-.01900
.700	8.000	5 79390	.53800	.11330	-.12460	-.19390	-.00150	-.02450
.700	10.000	5 78860	.54390	.11260	-.13410	-.24750	.00220	-.02960
.700	12 000	5 78860	.54250	.11160	- 13350	-.30360	.00710	-.03500
GRADIENT		-.00033	.00131	.00042	-.00317	-.02676	.00219	-.00350

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(ROM087) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3.000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7 850 ORBELV = 5.000

RUN NO. 364/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02270	-.26350	.09290	.16060	-.00920	.00150	-.00140
.500	-1.000	-.02060	-.15530	.08580	.13110	-.00870	.00180	-.00160
.500	.000	-.01970	-.04540	.08220	.10310	-.00820	.00190	-.00160
.500	1.000	-.02250	.05710	.08160	.07810	-.00790	.00190	-.00170
.500	2.000	-.02110	.15700	.08280	.05190	-.00730	.00190	-.00180
.500	3.000	-.01950	.25670	.08560	.02390	-.00720	.00190	-.00170
.500	4.000	-.01600	.35560	.08980	-.00430	-.00760	.00190	-.00160
.500	5.000	-.01520	.45240	.09580	-.03190	-.00750	.00190	-.00160
.500	6.000	-.02260	.54930	.10370	-.05820	-.00670	.00170	-.00170
.500	7.000	-.03000	.64930	.11370	-.08220	-.00570	.00150	-.00160
.500	8.000	-.02410	.74930	.12540	-.10390	-.00550	.00140	-.00130
.500	9.000	-.01360	.84710	.14050	-.12470	-.00600	.00160	-.00160
.500	10.000	-.01800	.94120	.15970	-.14310	-.00640	.00170	-.00190
.500	11.000	-.02230	1.02950	.18310	-.15580	-.00700	.00210	-.00160
.500	12.000	-.02520	1.11060	.21080	-.16680	-.00830	.00280	-.00110
	GRADIENT	.00092	.10205	.00062	-.02724	.00025	.00004	-.00002

RUN NO 363/ 0 RN/L = 3.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.03680	-.27890	.09590	.16440	-.00990	.00180	-.00150
.600	-1.000	-.02470	-.16960	.08810	.13590	-.00900	.00180	-.00180
.600	.000	-.01710	-.05810	.08400	.10740	-.00930	.00200	-.00190
.600	1.000	-.02640	.04730	.08290	.08160	-.00970	.00220	-.00190
.600	2.000	-.02680	.15080	.08440	.05410	-.00920	.00230	-.00190
.600	3.000	-.02430	.25450	.08760	.02380	-.00850	.00220	-.00170
.600	4.000	-.02600	.35610	.09250	-.00570	-.00770	.00200	-.00160
.600	5.000	-.02630	.45560	.09940	-.03190	-.00690	.00180	-.00160
.600	6.000	-.02340	.55740	.10840	-.05600	-.00590	.00140	-.00160
.600	7.000	-.02050	.66320	.12000	-.08130	-.00550	.00120	-.00120
.600	8.000	-.02040	.76720	.13440	-.10760	-.00580	.00130	-.00070
.600	9.000	-.02130	.86580	.15250	-.13190	-.00670	.00140	-.00070
.600	10.000	-.01930	.95940	.17460	-.15260	-.00780	.00160	-.00090
.600	11.000	-.01690	1.04540	.20100	-.16950	-.00810	.00180	-.00070
.600	12.000	-.01400	1.12270	.23100	-.18540	-.00770	.00190	-.00020
	GRADIENT	.00054	.10490	.00070	-.02810	.00036	.00002	.00001

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM088) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 ELV-18 = 000
 ELV-08 = 3 000 S1-2 = 000
 S3-4 = 45 000 S5-6 = 20 000
 IORB = 7.850 ORBELV = 5 000

RUN NO 366/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12 000	5.79390	.56550	.09310	-.13530	.30040	-.02610	03800
.500	-10.000	5.79440	.56160	.09300	-.12010	.25230	-.02260	03260
.500	-8 000	5.80130	.54860	.09570	-.09950	.19990	-.01820	.02690
.500	-6 000	5.80710	.53810	.09870	-.07670	.14510	-.01310	02060
.500	-4 000	5.80860	.53480	.10070	-.05710	.09080	-.00770	01350
.500	-3.000	5.80810	.53560	.10130	-.05130	.06520	-.00520	00990
.500	-2.000	5.80710	.53700	.10180	-.04980	.04090	-.00300	.00600
.500	-1.000	5.80760	.53800	.10210	-.05190	.01670	-.00100	.00230
.500	.000	5.80910	.53880	.10250	-.05530	-.00780	.00130	-.00140
.500	1 000	5.81010	.53960	.10300	-.05850	-.03270	.00350	-.00500
.500	2.000	5.80960	.54030	.10340	-.06150	-.05820	.00570	-.00880
.500	3 000	5.80860	.54110	.10340	-.06590	-.08430	.00800	-.01270
.500	4.000	5.80660	.54330	.10270	-.07370	-.11110	.01040	-.01630
.500	6.000	5.80270	.55180	.10030	-.09690	-.16570	.01520	-.02290
.500	8.000	5.79880	.56150	.09730	-.12180	-.21990	.01960	-.02880
.500	10.000	5.79590	.56840	.09470	-.14000	-.27210	.02330	-.03440
.500	12.000	5.79590	.56730	.09310	-.14070	-.32120	.02590	-.04050
GRADIENT		.00002	.00098	.00031	-.00234	-.02506	.00223	-.00373

RUN NO 365/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.79100	.56870	.10110	-.12560	.30790	-.02700	.03750
.600	-10 000	5.79390	.56850	.09870	-.10830	.25890	-.02350	03290
.600	-8.000	5.79880	.55660	.10010	-.08730	.20500	-.01860	.02740
.600	-6 000	5.80320	.54640	.10290	-.06610	.14940	-.01340	.02090
.600	-4.000	5.80520	.54360	.10530	-.05010	.09470	-.00820	.01380
.600	-3.000	5.80520	.54430	.10590	-.04700	.06830	-.00570	.01000
.600	-2.000	5.80420	.54530	.10600	-.04860	.04280	-.00330	.00630
.600	-1.000	5.80420	.54680	.10620	-.05320	.01810	-.00130	.00260
.600	.000	5.80470	.54830	.10670	-.05740	-.00650	.00080	-.00110
.600	1.000	5.80620	.54910	.10740	-.05810	-.03230	.00290	-.00500
.600	2.000	5.80710	.54920	.10790	-.05720	-.05940	.00520	-.00890
.600	3.000	5.80570	.54970	.10810	-.05900	-.08730	.00780	-.01270
.600	4 000	5.80370	.55190	.10760	-.06620	-.11510	.01040	-.01620
.600	6.000	5.79980	.55990	.10580	-.09140	-.17000	.01500	-.02260
.600	8 000	5.79740	.56750	.10420	-.11860	-.22450	.01960	-.02850
.600	10.000	5.79640	.57180	.10340	-.13660	-.27780	.02410	-.03410
.600	12.000	5.79390	.57020	.10290	-.13440	-.32890	.02750	-.03930
GRADIENT		.00006	.00099	.00035	-.00204	-.02601	.00227	-.00377

CAS K1 F0 H15.6 V9 1 (PLUS ORB TC5 AT38 2)

(RGM089) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 ELV-18 = .000
 ELV-08 = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7.850 ORBELV = .000

RUN NO. 370/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.77100	.62280	.06840	-.16290	.28920	-.02470	.04360
.300	-10.000	5.77150	.62180	.07030	-.16390	.23900	-.02100	.03710
.300	-8.000	5.77340	.61570	.07360	-.15140	.18640	-.01660	.03010
.300	-6.000	5.77540	.61180	.07640	-.13240	.13390	-.01220	.02260
.300	-4.000	5.77780	.61270	.07810	-.11480	.08310	-.00780	.01480
.300	-3.000	5.77830	.61470	.07880	-.11040	.05890	-.00560	.01100
.300	-2.000	5.77830	.61710	.07950	-.11000	.03560	-.00320	.00710
.300	-1.000	5.77730	.61900	.08030	-.11120	.01230	-.00070	.00310
.300	.000	5.77690	.62070	.08090	-.11320	-.01150	.00180	-.00110
.300	1.000	5.77640	.62210	.08120	-.11660	-.03600	.00450	-.00520
.300	2.000	5.77590	.62310	.08120	-.12070	-.06080	.00700	-.00920
.300	3.000	5.77690	.62390	.08090	-.12630	-.08540	.00930	-.01310
.300	4.000	5.77640	.62450	.08030	-.13440	-.11010	.01130	-.01690
.300	6.000	5.77390	.62640	.07810	-.15310	-.16000	.01460	-.02450
.300	8.000	5.77200	.62920	.07460	-.16750	-.21020	.01790	-.03160
.300	10.000	5.77100	.63060	.07060	-.17490	-.26020	.02110	-.03830
.300	12.000	5.77150	.62460	.06740	-.17580	-.30940	.02380	-.04460
GRADIENT		-.00026	.00150	.00032	-.00255	-.02411	.00244	-.00400

RUN NO 369/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.76660	.63340	.07290	-.15520	.29670	-.02560	.04370
.500	-10.000	5.76510	.63400	.07270	-.14970	.24830	-.02190	.03760
.500	-8.000	5.76860	.62970	.07540	-.14230	.19710	-.01800	.03100
.500	-6.000	5.77200	.62620	.07840	-.12890	.14360	-.01360	.02350
.500	-4.000	5.77250	.62630	.08050	-.11270	.08950	-.00860	.01550
.500	-3.000	5.77250	.62820	.08130	-.10800	.06380	-.00600	.01140
.500	-2.000	5.77250	.63080	.08200	-.10790	.03960	-.00350	.00740
.500	-1.000	5.77200	.63260	.08260	-.11000	.01590	-.00110	.00340
.500	.000	5.77100	.63350	.08310	-.11280	-.00880	.00140	-.00070
.500	1.000	5.77050	.63410	.08350	-.11630	-.03490	.00420	-.00500
.500	2.000	5.77050	.63460	.08360	-.12060	-.06090	.00680	-.00910
.500	3.000	5.77050	.63530	.08340	-.12700	-.08630	.00920	-.01320
.500	4.000	5.77050	.63670	.08280	-.13590	-.11210	.01140	-.01710
.500	6.000	5.76860	.64000	.08040	-.15470	-.16480	.01530	-.02470
.500	8.000	5.76760	.64070	.07720	-.16640	-.21720	.01880	-.03180
.500	10.000	5.76760	.63880	.07400	-.16830	-.26860	.02220	-.03860
.500	12.000	5.76560	.63660	.07270	-.16450	-.31790	.02500	-.04510
GRADIENT		-.00033	.00120	.00033	-.00302	-.02515	.00252	-.00409



REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 ELV-18 = .000
 ELV-08 = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7 850 ORBELV = .000

RUN NO 366/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
600	-12.000	5.76170	.64640	.07770	-.14230	.30300	-.02610	.04450
600	-10 000	5.76070	.65020	.07700	-.14750	.25510	-.02290	.03860
600	-8 000	5.76320	.64510	.07850	-.13840	.20240	-.01860	.03170
600	-6.000	5.76510	.64100	.08110	-.12390	.14780	-.01400	.02400
600	-4.000	5.76610	.64190	.08370	-.11240	.09350	-.00930	.01590
.600	-3 000	5.76560	.64390	.08460	-.11110	.06710	-.00670	.01170
600	-2 000	5.76510	.64590	.08520	-.11350	.04170	-.00390	.00760
600	-1 000	5.76460	.64750	.08560	-.11760	.01690	-.00140	.00350
.600	000	5.76510	.64890	.08600	-.12170	-.00810	.00110	-.00060
.600	1 000	5.76460	.64990	.08650	-.12380	-.03380	.00370	-.00490
.600	2 000	5.76370	.65040	.08680	-.12470	-.06070	.00640	-.00910
.600	3 000	5.76370	.65080	.08680	-.12770	-.08830	.00910	-.01330
600	4.000	5.76320	.65180	.08620	-.13470	-.11550	.01140	-.01730
600	6.000	5.76320	.65420	.08390	-.15270	-.16870	.01520	-.02500
.600	8 000	5.76320	.65480	.08170	-.16480	-.22150	.01900	-.03230
.600	10 000	5.76320	.65300	.08050	-.16720	-.27400	.02310	-.03910
.600	12.000	5.76420	.64850	.08050	-.16260	-.32580	.02680	-.04540
GRADIENT	-	.00033	.00119	.00035	-.00279	-.02596	.00280	-.00416

RUN NO. 367/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.76120	.65050	.09070	-.12750	.31650	-.02600	.04300
.700	-10 000	5.76030	.65480	.08870	-.12240	.26710	-.02320	.03730
.700	-8 000	5.75980	.65190	.09010	-.12100	.21130	-.01840	.03070
.700	-6 000	5.75980	.64970	.09290	-.11890	.15420	-.01360	.02340
.700	-4.000	5.75980	.65140	.09560	-.11670	.09860	-.00920	.01550
.700	-3.000	5.75930	.65330	.09630	-.11810	.07160	-.00680	.01150
.700	-2 000	5.75930	.65480	.09660	-.12230	.04510	-.00410	.00760
.700	-1 000	5.75830	.65590	.09660	-.12690	.01900	-.00150	.00370
.700	000	5.75780	.65690	.09690	-.12970	-.00700	.00090	-.00030
.700	1 000	5.75830	.65730	.09750	-.13050	-.03360	.00340	-.00440
.700	2.000	5.75880	.65700	.09800	-.13040	-.06220	.00610	-.00860
.700	3.000	5.76030	.65620	.09790	-.13100	-.09170	.00910	-.01270
.700	4.000	5.76120	.65590	.09720	-.13400	-.12010	.01150	-.01650
.700	6.000	5.76120	.65720	.09510	-.14410	-.17450	.01520	-.02390
.700	8 000	5.75930	.66000	.09350	-.15350	-.22910	.01930	-.03100
.700	10.000	5.75630	.66110	.09310	-.15840	-.28420	.02380	-.03800
.700	12.000	5.75630	.65480	.09330	-.15640	-.33790	.02720	-.04420
GRADIENT	-	.00013	.00054	.00025	-.00213	-.02720	.00260	-.00402

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS, ORB TCS AT38.2)

(RGM090) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3.000 SI-2 = .000
 S3-4 = 000 S5-6 = .000
 IORB = 7 850 ORBELV = .000

RUN NO. 374/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.03340	-.16020	.06880	.08500	-.00460	.00130	-.00040
.300	-1.000	-.02900	-.05550	.06340	.05910	-.00500	.00160	-.00060
.300	.000	-.02530	.04980	.06090	.03390	-.00480	.00160	-.00070
.300	1.000	-.02460	.14760	.06060	.01100	-.00430	.00140	-.00060
.300	2.000	-.02010	.24450	.06210	-.01280	-.00420	.00130	-.00050
.300	3.000	-.02420	.34080	.06480	-.03660	-.00460	.00140	-.00050
.300	4.000	-.03670	.43450	.06900	-.05950	-.00510	.00160	-.00060
.300	5.000	-.03770	.52780	.07460	-.08150	-.00510	.00170	-.00060
.300	6.000	-.02580	.62360	.08220	-.10300	-.00500	.00170	-.00090
.300	7.000	-.01710	.72020	.09250	-.12500	-.00590	.00180	-.00120
.300	8.000	-.01560	.80960	.10490	-.14760	-.00800	.00180	-.00140
.300	9.000	-.01810	.88980	.11760	-.16930	-.00830	.00220	-.00090
.300	10.000	-.02160	.96620	.13330	-.18820	-.00730	.00270	-.00020
.300	11.000	-.02440	1.04050	.15530	-.20310	-.00740	.00300	-.00010
.300	12.000	-.02110	1.10790	.18120	-.21440	-.00770	.00320	-.00020
GRADIENT		-.00072	.09805	.00097	-.02374	-.00004	.00003	-.00001

RUN NO. 373/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02160	-.17500	.07150	.08080	-.00860	.00120	-.00030
.500	-1.000	-.01810	-.06480	.06530	.05140	-.00840	.00150	-.00050
.500	.000	-.01510	.04490	.06230	.02600	-.00800	.00160	-.00060
.500	1.000	-.01530	.14760	.06190	.00330	-.00760	.00150	-.00070
.500	2.000	-.02030	.24800	.06350	-.02040	-.00770	.00160	-.00070
.500	3.000	-.02210	.34860	.06620	-.04520	-.00810	.00180	-.00070
.500	4.000	-.01950	.44820	.07050	-.06890	-.00810	.00180	-.00070
.500	5.000	-.01480	.54680	.07660	-.09180	-.00760	.00160	-.00080
.500	6.000	-.01170	.64520	.08490	-.11430	-.00690	.00150	-.00090
.500	7.000	-.01540	.74160	.09530	-.13490	-.00650	.00140	-.00100
.500	8.000	-.02570	.83120	.10880	-.15280	-.00660	.00150	-.00110
.500	9.000	-.03160	.91350	.12610	-.16940	-.00740	.00180	-.00110
.500	10.000	-.02700	.99110	.14730	-.18610	-.00780	.00210	-.00100
.500	11.000	-.02140	1.06370	.17210	-.20040	-.00810	.00240	-.00090
.500	12.000	-.01830	1.13120	.20030	-.21170	-.00900	.00290	-.00100
GRADIENT		.00017	.10273	.00089	-.02437	.00010	.00006	-.00006

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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TCS AT38.2)

(RGM090) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7.850 ORBELV = .000

RUN NO. 372/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02770	-.18250	.07330	.08180	-.01030	.00150	-.00050
.600	-1.000	-.02470	-.07040	.06640	.05230	-.00950	.00160	-.00070
.600	.000	-.02080	.04020	.06310	.02520	-.00990	.00180	-.00090
.600	1.000	-.02140	.14560	.06250	.00120	-.01010	.00190	-.00100
.600	2.000	-.02470	.25050	.06400	-.02330	-.00970	.00200	-.00090
.600	3.000	-.03000	.35460	.06720	-.04920	-.00890	.00190	-.00080
.600	4.000	-.03160	.45800	.07200	-.07430	-.00870	.00180	-.00070
.600	5.000	-.02950	.55990	.07900	-.09800	-.00850	.00180	-.00090
.600	6.000	-.02670	.66140	.08810	-.11940	-.00740	.00150	-.00100
.600	7.000	-.02520	.76050	.10030	-.13800	-.00620	.00120	-.00100
.600	8.000	-.02370	.85140	.11680	-.15560	-.00640	.00120	-.00100
.600	9.000	-.02100	.93340	.13800	-.17440	-.00830	.00160	-.00060
.600	10.000	-.01850	1.01010	.16290	-.19460	-.00980	.00190	-.00000
.600	11.000	-.01690	1.08150	.19050	-.21240	-.00940	.00180	-.00020
.600	12.000	-.01810	1.14600	.22090	-.22760	-.00840	.00180	-.00000
GRADIENT		-.00093	.10580	.00097	-.02647	.00024	.00004	-.00003

RUN NO. 371/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01950	-.19430	.07710	.07990	-.01060	.00130	-.00040
.700	-1.000	-.02240	-.07900	.06920	.05260	-.01030	.00130	-.00090
.700	.000	-.02440	.03630	.06500	.02580	-.01010	.00150	-.00090
.700	1.000	-.02310	.14670	.06430	-.00050	-.01010	.00170	-.00080
.700	2.000	-.02320	.25480	.06640	-.02740	-.01020	.00200	-.00070
.700	3.000	-.02410	.36390	.07080	-.05620	-.00990	.00210	-.00060
.700	4.000	-.02270	.47170	.07770	-.08490	-.00900	.00200	-.00050
.700	5.000	-.02330	.57550	.08730	-.11040	-.00770	.00170	-.00040
.700	6.000	-.02730	.67640	.09980	-.13290	-.00650	.00130	-.00040
.700	7.000	-.02380	.77620	.11600	-.15550	-.00600	.00120	-.00050
.700	8.000	-.01530	.86810	.13500	-.17710	-.00630	.00120	-.00070
.700	9.000	-.01140	.94880	.15950	-.19630	-.00700	.00110	-.00040
.700	10.000	-.01600	1.02170	.18540	-.21180	-.00700	.00090	-.00010
.700	11.000	-.01890	1.08890	.21330	-.22080	-.00640	.00060	-.00020
.700	12.000	-.01940	1.14750	.24360	-.22340	-.00610	.00060	-.00030
GRADIENT		-.00033	.10992	.00159	-.02729	.00032	.00010	-.00004

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2')

(RGM091) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

- BETA = 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7.850

RUN NO. 378/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02570	-.30360	.10120	.24850	-.00450	.00110	-.00100
.300	-1.000	-.02800	-.20570	.09320	.22540	-.00450	.00160	-.00120
300	.000	-.03040	-.10460	.08840	.20090	-.00460	.00160	-.00120
300	1.000	-.03380	-.00680	.08640	.17670	-.00430	.00150	-.00110
.300	2.000	-.03640	.08540	.08650	.15410	-.00380	.00140	-.00090
300	3.000	-.03600	.17590	.08810	.13190	-.00380	.00130	-.00080
.300	4.000	-.03370	.26740	.09080	.10890	-.00400	.00140	-.00090
.300	5.000	-.03090	.36190	.09520	.08610	-.00400	.00150	-.00100
300	6.000	-.02840	.45950	.10130	.06410	-.00380	.00150	-.00130
300	7.000	-.02590	.55650	.10920	.04340	-.00340	.00160	-.00150
300	8.000	-.02270	.64980	.11840	.02300	-.00300	.00150	-.00150
.300	9.000	-.02280	.74090	.12950	.00320	-.00320	.00140	-.00120
.300	10.000	-.02730	.83110	.14310	-.01370	-.00530	.00200	-.00090
.300	11.000	-.02930	.91770	.16050	-.02290	-.00770	.00300	-.00060
.300	12.000	-.02560	.99800	.18260	-.02810	-.00870	.00370	-.00050
	GRADIENT	-.00100	.09473	-.00065	-.02320	.00011	.00001	.00003

RUN NO. 377/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5:00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02620	-.33850	.10510	.25320	-.00650	.00120	-.00110
.500	-1.000	-.02750	-.23330	.09620	.22580	-.00780	.00140	-.00120
.500	.000	-.02570	-.12490	.09070	.19970	-.00730	.00160	-.00120
.500	1.000	-.02690	-.02060	.08820	.17490	-.00720	.00170	-.00110
.500	2.000	-.02880	.07810	.08810	.15100	-.00710	.00180	-.00120
.500	3.000	-.02670	.17560	.08950	.12700	-.00690	.00170	-.00120
.500	4.000	-.02480	.27240	.09240	.10410	-.00660	.00150	-.00120
.500	5.000	-.02620	.36830	.09730	.08280	-.00600	.00140	-.00130
.500	6.000	-.02840	.46470	.10420	.06270	-.00530	.00140	-.00140
.500	7.000	-.02860	.56170	.11270	.04460	-.00490	.00140	-.00130
.500	8.000	-.02790	.65970	.12290	.02780	-.00490	.00140	-.00110
.500	9.000	-.02720	.75730	.13620	.01160	-.00520	.00150	-.00120
.500	10.000	-.02430	.85300	.15390	-.00300	-.00590	.00180	-.00140
.500	11.000	-.02050	.94210	.17610	-.01300	-.00710	.00230	-.00140
.500	12.000	-.01800	1.02330	.20240	-.02350	-.00870	.00300	-.00120
	GRADIENT	.00010	.10091	-.00092	-.02432	.00030	.00003	-.00002

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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 VS.1 (PLUS. ORB N0Z AT38.2)

(RGM091) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
LREF = 327.8000 IN. YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
SCALE = .0300
BETA = .000 STAB = -2 000
RUD-U = .000 RUD-L = 000
ELV-1B = .000 ELV-0B = 3 000
S1-2 = .000 S3-4 = 45.000
S5-6 = 20.000 IORB = 7.850

RUN NO. 376/ 0 RN/L = 3 20 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02300	-.35400	.10750	.26130	-.00950	.00150	- 00100
.600	-1 000	- .02740	- 24800	.09790	.23480	-.00850	.00140	- 00140
.600	.000	-.02800	-.13820	.09200	.20840	-.00830	.00160	- 00140
.600	1.000	-.02490	-.03190	.08930	.18230	-.00840	.00190	- ,00130
.600	2.000	-.02200	.07040	.08910	.15660	-.00820	.00200	- ,00130
.600	3.000	-.02260	.17280	.09080	.13100	-.00760	.00180	- 00140
.600	4.000	-.02500	.27350	.09410	.10770	-.00700	.00160	- ,00130
.600	5.000	-.02440	.37170	.09970	.08820	-.00620	.00150	- 00140
.600	6.000	-.02010	.47220	.10740	.07040	-.00530	.00130	- ,00150
.600	7.000	-.01810	.57630	.11700	.05210	-.00470	.00110	- ,00110
.600	8.000	-.02070	.67990	.12940	.03350	-.00480	.00110	- 00090
.600	9.000	-.02280	.77990	.14610	.01460	-.00580	.00130	- 00120
.600	10.000	-.02140	.87610	.16730	-.00440	-.00700	.00180	- ,00130
.600	11.000	-.01970	.96560	.19340	-.02230	-.00750	.00210	- ,00100
.600	12.000	-.02010	1.04690	.22300	-.04220	-.00720	.00220	- ,00050
	GRADIENT	.00025	.10384	-.00092	-.02508	.00039	.00002	-.00003

RUN NO. 375/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01000	-.38210	.11360	.27520	-.00870	.00100	- ,00090
.700	-1.000	-.01290	-.27250	.10230	.25350	-.00850	.00120	- 00150
.700	.000	-.01130	-.15790	.09490	.22830	-.00800	.00130	- ,00140
.700	1.000	-.01180	-.04560	.09180	.20000	-.00790	.00160	- 00120
.700	2.000	-.01320	.06250	.09260	.16950	-.00820	.00190	- ,00110
.700	3.000	-.01070	.16910	.09620	.13890	-.00840	.00200	- ,00110
.700	4 000	- 00920	.27410	.10160	.11220	-.00740	.00190	- 00120
.700	5 000	- 01310	.37630	.10880	.09080	-.00560	.00150	- ,00120
.700	6 000	-.01640	.47980	.11850	.07030	-.00400	.00120	- ,00120
.700	7.000	-.01400	.58800	.13110	.04690	-.00310	.00100	- 00120
.700	8.000	-.00590	.69730	.14680	.02210	-.00310	.00100	- ,00150
.700	9.000	.00000	.80110	.16610	-.00120	- 00410	.00120	- ,00190
.700	10.000	-.00250	.89540	.18950	-.02060	-.00520	.00140	- ,00150
.700	11.000	-.00800	.97830	.21680	-.03320	- 00550	.00130	- ,00080
.700	12 000	- 00930	1 05200	.24710	-.04230	-.00530	.00100	- 00030
	GRADIENT	- 00003	.10870	-.00039	-.02733	.00031	.00011	00000

CAS K1 F0 H15.6 V9.1 (PLUS ORB NOZ AT38 2)

(RGM092) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 382/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	- .04010	-.26700	.10110	.11310	-.00610	.00130	-.00150
.300	-1 000	- .04480	-.16930	.09410	.08960	-.00600	.00170	-.00160
.300	000	-.04910	-.06740	.09000	.06470	-.00600	.00160	-.00180
.300	1.000	-.05060	.03070	.08840	.04050	-.00570	.00140	-.00170
.300	2.000	-.04800	.12390	.08900	.01880	-.00500	.00130	-.00140
.300	3.000	- .04270	.21550	.09100	-.00160	-.00490	.00140	-.00120
.300	4.000	-.03910	.30600	.09430	-.02260	-.00510	.00150	-.00120
.300	5.000	- .03790	.39780	.09910	-.04430	-.00480	.00150	-.00140
.300	6.000	-.03640	.49280	.10590	-.06530	-.00400	.00150	-.00160
.300	7.000	-.03630	.58890	.11460	-.08420	-.00330	.00150	-.00180
.300	8.000	-.03780	.68190	.12440	-.10270	-.00330	.00140	-.00190
.300	9 000	- .03770	.77200	.13590	-.12130	-.00390	.00130	-.00160
.300	10.000	-.03720	.86260	.15020	-.13700	-.00550	.00190	-.00120
.300	11 000	- .03720	.95010	.16840	-.14620	-.00720	.00280	-.00080
.300	12 000	-.03700	1.03020	.19100	-.15110	-.00860	.00350	-.00090
GRADIENT		.00078	.09490	-.00011	-.02242	.00021	-.00000	.00006

RUN NO 381/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.03580	-.30180	.10520	.11570	-.00850	.00120	-.00130
.500	-1.000	-.03840	-.19720	.09700	.08920	-.00780	.00150	-.00140
.500	.000	-.03990	-.09950	.09220	.06450	-.00730	.00160	-.00130
.500	1 000	-.03960	.01410	.09020	.04080	-.00700	.00160	-.00120
.500	2.000	-.03790	.11250	.09040	.01820	-.00680	.00160	-.00130
.500	3.000	-.03550	.21010	.09230	-.00400	-.00680	.00160	-.00130
.500	4.000	-.03410	.30780	.09580	-.02540	-.00680	.00160	-.00130
.500	5.000	-.03490	.40440	.10120	-.04600	-.00640	.00150	-.00150
.500	6.000	-.03730	.50120	.10860	-.06520	-.00590	.00140	-.00160
.500	7.000	- .04080	.59820	.11750	-.08120	-.00550	.00140	-.00150
.500	8 000	-.04140	.69590	.12800	-.09590	-.00550	.00140	-.00140
.500	9.000	-.03860	.79280	.14180	-.11070	-.00560	.00150	-.00160
.500	10.000	-.03790	.88680	.16000	-.12440	-.00600	.00180	-.00190
.500	11.000	-.03480	.97490	.18280	-.13310	-.00720	.00230	-.00180
.500	12.000	-.02750	1.05590	.20970	-.14050	-.00890	.00290	-.00140
GRADIENT		.00051	.10077	-.00040	-.02301	.00025	.00003	-.00001

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TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38 2)

(RGM092) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7 650

RUN NO. 380/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02030	-.31870	.10760	.12820	-.00930	.00150	-.00120
.600	-1.000	-.01870	-.21040	.09870	.09980	-.00890	.00150	-.00150
.600	.000	-.02420	-.10030	.09330	.07200	-.00910	.00180	-.00150
.600	1.000	-.03120	.00640	.09110	.04650	-.00930	.00200	-.00140
.600	2.000	-.03520	.10860	.09140	.02350	-.00880	.00200	-.00140
.600	3.000	-.03460	.20970	.09360	.00100	-.00770	.00180	-.00130
.600	4.000	-.03290	.30910	.09740	-.02020	-.00700	.00170	-.00130
.600	5.000	-.03320	.40670	.10350	-.03860	-.00670	.00160	-.00140
.600	6.000	-.03550	.50600	.11170	-.05480	-.00640	.00160	-.00150
.600	7.000	-.03890	.60860	.12220	-.07100	-.00580	.00140	-.00110
.600	8.000	-.03900	.71130	.13530	-.08770	-.00540	.00130	-.00090
.600	9.000	-.03540	.81090	.15230	-.10440	-.00570	.00140	-.00130
.600	10.000	-.03430	.90590	.17370	-.12060	-.00670	.00180	-.00130
.600	11.000	-.03430	.99300	.19990	-.13470	-.00730	.00210	-.00090
.600	12.000	-.03200	1.07230	.23000	-.15070	-.00720	.00220	-.00040
	GRADIENT	-.00234	.10349	-.00040	-.02385	.00038	.00001	.00000

RUN NO. 379/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.02550	-.34530	.11310	.14450	-.00940	.00130	-.00120
.700	-1.000	-.02510	-.23530	.10260	.11960	-.00890	.00130	-.00160
.700	.000	-.02410	-.12190	.09620	.09260	-.00860	.00160	-.00160
.700	1.000	-.02530	-.01050	.09370	.06550	-.00850	.00180	-.00130
.700	2.000	-.02780	.09730	.09490	.03950	-.00850	.00200	-.00110
.700	3.000	-.02850	.20300	.09890	.01390	-.00840	.00210	-.00110
.700	4.000	-.02630	.30630	.10500	-.01020	-.00760	.00190	-.00110
.700	5.000	-.02440	.40680	.11280	-.03090	-.00640	.00170	-.00100
.700	6.000	-.02460	.50850	.12300	-.04980	-.00530	.00150	-.00090
.700	7.000	-.02300	.61460	.13610	-.07050	-.00460	.00130	-.00090
.700	8.000	-.01860	.72280	.15200	-.09260	-.00480	.00130	-.00110
.700	9.000	-.01690	.82700	.17150	-.11380	-.00560	.00150	-.00130
.700	10.000	-.02090	.92190	.19530	-.13030	-.00650	.00160	-.00090
.700	11.000	-.02370	1.00420	.22300	-.14000	-.00670	.00150	-.00040
.700	12.000	-.01960	1.07560	.25350	-.14740	-.00630	.00120	-.00010
	GRADIENT	-.00017	.10780	.00023	-.02546	.00033	.00009	.00007

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(RGM093) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

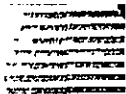
ALPHA1 = 6.000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 1ORB = 7 850

RUN NO 386/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.81640	.50940	.09660	-.11730	.29190	-.01970	.03690
300	-10.000	5.81930	.50520	.09940	-.11290	.24010	-.01530	.03040
.300	-8.000	5.82320	.49230	.10110	-.10010	.18540	-.01090	.02450
.300	-6.000	5.82620	.48290	.10230	-.08430	.13210	-.00710	.01860
.300	-4.000	5.82810	.48130	.10350	-.07110	.08260	-.00390	.01230
300	-3.000	5.82810	.48280	.10430	-.06770	.05940	-.00240	.00900
.300	-2.000	5.82860	.48430	.10500	-.06730	.03710	-.00090	.00560
.300	-1.000	5.82860	.48440	.10540	-.06890	.01490	.00030	.00220
.300	.000	5.82810	.48460	.10550	-.07070	-.00770	.00130	-.00140
.300	1.000	5.82760	.48590	.10600	-.07140	-.03120	.00250	-.00490
.300	2.000	5.82760	.48770	.10610	-.07180	-.05510	.00400	-.00850
.300	3.000	5.82670	.49010	.10600	-.07460	-.07890	.00550	-.01180
.300	4.000	5.82520	.49330	.10610	-.08120	-.10250	.00670	-.01470
.300	6.000	5.82130	.50180	.10580	-.09990	-.15110	.00900	-.02010
300	8.000	5.81880	.50970	.10340	-.11670	-.20310	.01230	-.02620
.300	10.000	5.81840	.51470	.09960	-.12630	-.25770	.01660	-.03290
.300	12.000	5.81590	.51350	.09690	-.12690	-.31230	.02110	-.03910
GRADIENT		-.00031	.00130	.00031	-.00121	-.02310	.00130	-.00343

RUN NO. 385/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.81300	.51420	.10000	-.10840	.29750	-.02010	.03680
.500	-10.000	5.81490	.51040	.10040	-.10400	.24340	-.01540	.03090
.500	-8.000	5.81980	.49980	.10200	-.09370	.19070	-.01190	.02540
500	-6.000	5.82470	.49170	.10400	-.07960	.13760	-.00810	.01940
500	-4.000	5.82710	.48970	.10580	-.06610	.08480	-.00390	.01260
.500	-3.000	5.82710	.49120	.10640	-.06260	.05990	-.00200	.00910
.500	-2.000	5.82670	.49310	.10680	-.06260	.03690	-.00060	.00560
.500	-1.000	5.82620	.49390	.10700	-.06400	.01500	.00030	.00210
.500	.000	5.82620	.49350	.10720	-.06440	-.00710	.00110	-.00140
.500	1.000	5.82570	.49360	.10760	-.06440	-.03070	.00230	-.00510
.500	2.000	5.82570	.49460	.10790	-.06650	-.05560	.00380	-.00870
.500	3.000	5.82570	.49580	.10790	-.07140	-.08080	.00540	-.01230
.500	4.000	5.82570	.49770	.10760	-.07850	-.10570	.00710	-.01560
.500	6.000	5.82230	.50380	.10630	-.09540	-.15660	.01000	-.02160
500	8.000	5.81690	.51250	.10410	-.11140	-.21010	.01290	-.02730
.500	10.000	5.81250	.51900	.10150	-.11970	-.26560	.01640	-.03300
.500	12.000	5.81450	.51650	.09940	-.11320	-.32010	.02150	-.03910
GRADIENT		-.00021	.00081	.00024	-.00140	-.02358	.00128	-.00355



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(RGM093) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 384/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.81150	.51930	.10520	-.09700	.30320	-.02030	.03720
.600	-10.000	5.81250	.51970	.10450	-.09590	.24920	-.01610	.03160
.600	-8.000	5.81740	.50850	.10530	-.08430	.19530	-.01230	.02610
.600	-6.000	5.82130	.49900	.10720	-.06950	.14100	-.00830	.01990
.600	-4.000	5.82230	.49650	.10930	-.05760	.08760	-.00420	.01290
.600	-3.000	5.82180	.49710	.11000	-.05480	.06220	-.00230	.00930
.600	-2.000	5.82230	.49740	.11010	-.05490	.03850	-.00080	.00580
.600	-1.000	5.82280	.49720	.11000	-.05700	.01590	.00020	.00230
.600	.000	5.82320	.49750	.11030	-.05880	-.00660	.00100	-.00130
.600	1.000	5.82280	.49970	.11070	-.05950	-.03010	.00200	-.00500
.600	2.000	5.82230	.50000	.11120	-.05970	-.05510	.00350	-.00870
.600	3.000	5.82180	.50120	.11150	-.06180	-.08120	.00540	-.01220
.600	4.000	5.82080	.50340	.11140	-.06830	-.10750	.00720	-.01560
.600	6.000	5.81790	.51070	.11010	-.08860	-.16040	.01030	-.02200
.600	8.000	5.81450	.51830	.10850	-.10680	-.21460	.01320	-.02800
.600	10.000	5.81250	.52290	.10710	-.11470	-.27040	.01680	-.03360
.600	12.000	5.81400	.51970	.10650	-.10660	-.32900	.02270	-.03900
GRADIENT	-.00010	.00010	.00078	.00026	-.00126	-.02406	.00132	-.00358

RUN NO 383/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.81300	.51340	.11690	-.07320	.31710	-.02050	.03480
.700	-10.000	5.81350	.51520	.11650	-.07660	.26260	-.01720	.03020
.700	-8.000	5.81640	.50490	.11770	-.06800	.20430	-.01270	.02460
.700	-6.000	5.81980	.49620	.12000	-.05740	.14710	-.00830	.01860
.700	-4.000	5.82080	.49400	.12230	-.05040	.09340	-.00470	.01250
.700	-3.000	5.82130	.49400	.12270	-.04960	.06750	-.00290	.00920
.700	-2.000	5.82130	.49330	.12240	-.05020	.04210	-.00120	.00580
.700	-1.000	5.82180	.49280	.12190	-.05020	.01770	.00010	.00240
.700	.000	5.82180	.49320	.12180	-.04990	-.00630	.00120	-.00120
.700	1.000	5.82180	.49420	.12220	-.05070	-.03140	.00240	-.00480
.700	2.000	5.82180	.49500	.12280	-.05190	-.05780	.00390	-.00820
.700	3.000	5.82280	.49560	.12330	-.05410	-.08490	.00570	-.01150
.700	4.000	5.82230	.49750	.12320	-.06040	-.11200	.00770	-.01450
.700	6.000	5.81930	.50530	.12160	-.07960	-.16670	.01110	-.02040
.700	8.000	5.81490	.51450	.11970	-.09500	-.22330	.01420	-.02610
.700	10.000	5.81100	.52090	.11820	-.10070	-.28110	.01750	-.03190
.700	12.000	5.81300	.51900	.11760	-.09470	-.33800	.02210	-.03720
GRADIENT	.00019	.00039	.00011	-.00096	-.02546	.00146	-.00342	

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(RGM094) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7.850

RUN NO 390/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5 75880	.53160	.10520	-.12940	31420	- 03750	03870
300	-10.000	5 80660	.51790	.09930	-.11520	26500	-.03100	03240
.300	-8.000	5 81540	.50450	.10010	-.10320	.20820	-.02550	.02620
.300	-6.000	5.81350	.49660	.10250	- .09020	15320	- 02110	02010
.300	-4.000	5 81590	.49510	.10370	-.07740	.10370	- 01760	.01390
.300	-3.000	5.81740	.49620	10410	- 07330	.08090	-.01610	01060
.300	-2.000	5.81740	.49710	.10480	- 07220	.05860	-.01480	00720
300	-1.000	5 81690	.49740	.10520	-.07290	.03620	-.01360	00370
.300	.000	5.81690	.49790	.10540	-.07380	.01350	-.01240	.00010
.300	1.000	5.81640	.49920	.10590	-.07410	-.00920	- 01130	-.00340
300	2.000	5.81640	.50080	.10610	-.07500	-.03220	-.01000	-.00680
300	3 000	5.81590	.50270	.10620	-.07840	- 05590	- 00860	- 01010
.300	4.000	5.81400	.50650	.10650	-.08490	-.08010	- 00730	- 01300
300	6.000	5.80960	.51640	.10640	-.10270	-.12950	- 00520	-.01860
.300	8.000	5 80760	.52330	.10400	-.11940	- 17970	-.00260	- 02460
.300	10.000	5 80810	.52520	.10010	-.12860	-.23100	.00070	- 03100
.300	12.000	5 80570	.52280	.09720	-.12540	- 28450	.00440	-.03720
	GRADIENT	- 00024	.00124	.00034	- 00087	-.02288	00126	- 00341

RUN NO. 389/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.80960	.51720	.10010	-.10890	.32530	- 03700	.03870
.500	-10.000	5.80760	.51230	.10070	-.09980	.26960	-.03140	.03270
500	-8.000	5.81250	.50130	.10230	-.09090	.21480	-.02690	.02700
500	-6 000	5.81740	.49330	.10440	-.07860	.16060	- 02250	02090
.500	-4.000	5.81980	.49160	.10640	-.06540	.10770	-.01790	.01410
.500	-3.000	5.81980	.49270	.10710	-.06170	.08300	-.01600	.01050
.500	-2.000	5.81930	.49400	.10760	-.06160	.06000	-.01460	00700
.500	-1.000	5.81930	.49480	.10770	-.06290	.03730	-.01360	.00350
500	.000	5.81880	.49530	.10790	-.06350	.01420	-.01250	-.00010
.500	1.000	5.81840	.49620	.10830	-.06380	-.00910	-.01140	-.00370
.500	2.000	5.81880	.49710	.10870	-.06600	-.03270	-.01020	-.00720
.500	3 000	5.81930	.49810	.10880	-.07120	-.05680	- 00880	- 01070
.500	4 000	5.81840	.50000	.10870	-.07840	- 08140	-.00730	-.01400
.500	6.000	5.81450	.50580	.10780	-.09510	-.13250	-.00460	-.02000
.500	8.000	5.80910	.51490	.10580	-.11040	-.18550	-.00210	-.02560
500	10 000	5.80470	.52090	.10330	-.11880	-.23950	.00070	- 03120
.500	12.000	5.80520	.52030	.10150	-.11520	-.29360	.00490	- 03750
	GRADIENT	-.00015	.00096	.00029	-.00150	-.02346	.00125	-.00353

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(ROM094) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 389/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5 80470	.51930	.10480	-.09470	.33180	-.03740	.03900
.600	-10 000	5 80620	.51680	.10420	-.09090	.27430	-.03210	.03300
.600	-8.000	5.81010	.50610	.10530	-.07950	.21850	-.02720	.02750
.600	-6 000	5 81350	.49810	.10740	-.06560	.16380	-.02260	.02130
.600	-4.000	5 81490	.49670	.10970	-.05430	.11060	-.01830	.01440
.600	-3 000	5 81490	.49730	.11040	-.05230	.08510	-.01640	.01070
.600	-2 000	5 81490	.49790	.11060	-.05360	.06090	-.01470	.00710
.600	-1.000	5.81490	.49850	.11060	-.05590	.03740	-.01350	.00350
.600	000	5 81490	.49940	.11080	-.05790	.01430	-.01250	-.00010
.600	1.000	5.81490	.50020	.11150	-.05940	-.00910	-.01150	-.00380
.600	2.000	5 81490	.50120	.11230	-.06040	-.03370	-.01030	-.00730
.600	3 000	5 81400	.50280	.11270	-.06300	-.05960	-.00850	-.01080
.600	4 000	5.81300	.50560	.11260	-.06980	-.08580	-.00680	-.01420
.600	6.000	5 81050	.51350	.11180	-.09030	-.13810	-.00400	-.02040
.600	8.000	5.80810	.52040	.11100	-.10790	-.19110	-.00160	-.02600
.600	10 000	5.80710	.52370	.11030	-.11580	-.24550	.00110	-.03130
.600	12.000	5 80570	.52040	.10930	-.10990	-.30290	.00600	-.03700
	GRADIENT	-.00017	.00101	.00038	-.00185	-.02426	.00134	-.00358

RUN NO 387/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.80810	.51320	.11680	-.06760	.34480	-.03710	.03670
.700	-10 000	5 80660	.51340	.11650	-.06860	.28920	-.03370	.03190
.700	-8.000	5.81010	.50340	.11760	-.05950	.22800	-.02800	.02620
.700	-6.000	5.81350	.49540	.11990	-.05020	.16910	-.02260	.02010
.700	-4.000	5.81490	.49400	.12260	-.04580	.11560	-.01860	.01390
.700	-3.000	5 81450	.49440	.12310	-.04570	.08970	-.01680	.01070
.700	-2 000	5.81350	.49400	.12260	-.04640	.06370	-.01490	.00710
.700	-1.000	5 81350	.49330	.12230	-.04710	.03860	-.01330	.00360
.700	000	5.81490	.49370	.12270	-.04780	.01490	-.01220	.00010
.700	1.000	5 81490	.49470	.12330	-.04850	-.00890	-.01120	-.00330
.700	2.000	5.81490	.49560	.12400	-.04950	-.03430	-.00990	-.00660
.700	3 000	5.81400	.49680	.12450	-.05270	-.06130	-.00820	-.00980
.700	4.000	5 81250	.49910	.12450	-.05980	-.08840	-.00640	-.01290
.700	6.000	5.81010	.50630	.12350	-.07830	-.14230	-.00330	-.01870
.700	8 000	5 80760	.51420	.12190	-.09160	-.19730	-.00100	-.02430
.700	10.000	5 80520	.51950	.12050	-.09640	-.25300	.00140	-.02960
.700	12.000	5.80470	.51820	.12010	-.09650	-.30960	.00540	-.03480
	GRADIENT	-.00011	.00054	.00026	-.00141	-.02521	.00145	-.00338

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(RGM005) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000 1ORB = 7.850

RUN NO 394/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.06040	-.21800	.10290	-.06910	-.00660	.00100	-.00120
.300	-1.000	-.05530	-.11780	.09620	-.08960	- 00730	.00160	-.00150
.300	.000	-.05360	-.01590	.09250	-.11130	-.00710	.00170	- 00160
.300	1.000	-.05810	.07970	.09150	-.13290	- 00610	.00140	- 00150
.300	2.000	-.05510	.17340	.09250	-.15260	-.00640	.00140	-.00140
.300	3.000	-.05140	.26690	.09510	-.17170	-.00640	.00150	- 00120
.300	4.000	-.04970	.35750	.09900	-.19130	-.00650	.00160	-.00130
.300	5.000	-.05030	.44740	.10430	-.20970	-.00740	.00170	-.00150
.300	6.000	-.05240	.54170	.11160	-.22750	-.00740	.00190	- 00180
.300	7.000	-.05450	.63910	.12100	-.24510	- 00600	.00180	-.00180
.300	8.000	-.05460	.72930	.13150	-.26050	-.00530	.00160	- 00190
.300	9.000	-.05200	.81740	.14360	-.27460	-.00640	.00180	-.00150
.300	10.000	-.05210	.90630	.15820	-.28660	-.00850	.00250	- 00100
.300	11.000	-.05760	.99250	.17680	-.29310	-.01000	.00340	-.00070
.300	12.000	-.06480	1.06950	.20000	-.29350	-.01000	.00380	-.00060
	GRADIENT	.00129	.09496	.00039	-.02016	.00000	.00005	.00000

RUN NO. 393/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.05700	-.25070	.10660	-.06320	-.00990	.00120	-.00090
.500	-1.000	-.05010	-.14550	.09910	-.08830	-.00920	.00150	-.00110
.500	.000	-.04800	-.03870	.09500	-.11120	- 00870	.00160	-.00100
.500	1.000	-.05530	.06230	.09360	-.13200	-.00880	.00170	- 00110
.500	2.000	-.05670	.16120	.09450	-.15190	-.00880	.00190	-.00120
.500	3.000	-.05220	.25890	.09690	-.17090	-.00860	.00180	-.00110
.500	4.000	-.05210	.35460	.10090	-.18890	-.00840	.00180	-.00110
.500	5.000	-.05570	.44880	.10660	-.20610	-.00820	.00160	- 00130
.500	6.000	-.05280	.54410	.11460	-.22220	-.00770	.00160	-.00150
.500	7.000	-.04520	.64140	.12430	-.23630	-.00730	.00160	-.00150
.500	8.000	-.04590	.73710	.13540	-.24870	-.00710	.00150	-.00130
.500	9.000	-.04950	.83220	.14970	-.26110	-.00690	.00160	-.00150
.500	10.000	-.04810	.92520	.16820	-.27010	-.00730	.00190	-.00180
.500	11.000	-.04570	1.01180	.19100	-.27150	-.00850	.00240	-.00140
.500	12.000	-.04700	1.09050	.21810	-.27180	-.01020	.00310	- 00110
	GRADIENT	-.00018	.09987	.00019	-.02027	.00019	-.00006	-.00004

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.2)

(ROM095) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-IB = 10 000 ELV-OB = 13.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7 850

RUN NO 392/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.04860	-.27110	.10970	-.05050	-.01010	.00150	-.00100
.600	-1.000	-.04600	-.16340	.10120	-.07700	-.00950	.00150	-.00130
.600	.000	-.04540	-.05360	.09640	-.10270	-.00980	.00180	-.00130
.600	1.000	-.04680	.04980	.09510	-.12480	-.01010	.00200	-.00130
.600	2.000	-.05170	.15140	.09600	-.14430	-.01010	.00220	-.00130
.600	3.000	-.05180	.25210	.09860	-.16320	-.00920	.00210	-.00130
.600	4.000	-.04610	.35080	.10290	-.18120	-.00850	.00180	-.00120
.600	5.000	-.04020	.44810	.10920	-.19850	-.00810	.00170	-.00120
.600	6.000	-.04000	.54680	.11770	-.20810	-.00740	.00160	-.00140
.600	7.000	-.04250	.64810	.12850	-.21880	-.00580	.00150	-.00120
.600	8.000	-.04130	.74880	.14230	-.23280	-.00690	.00130	-.00070
.600	9.000	-.03980	.84600	.16010	-.24700	-.00800	.00150	-.00080
.600	10.000	-.03850	.93870	.18170	-.25810	-.00940	.00210	-.00120
.600	11.000	-.04010	1.02480	.20760	-.26530	-.01000	.00250	-.00100
.600	12.000	-.04550	1.10410	.23760	-.27400	-.00930	.00250	-.00030
	GRADIENT	.00041	.10267	.00015	-.02076	.00025	.00005	-.00001

RUN NO. 391/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.04460	-.30150	.11520	-.02970	-.01000	.00120	-.00080
.700	-1.000	-.04580	-.18870	.10520	-.05610	-.01060	.00140	-.00140
.700	.000	-.04590	-.07400	.09950	-.08220	-.01090	.00170	-.00130
.700	1.000	-.04610	.03290	.09820	-.10440	-.01000	.00180	-.00110
.700	2.000	-.04860	.13860	.09940	-.12390	-.00920	.00200	-.00090
.700	3.000	-.04990	.24320	.10350	-.14450	-.00940	.00210	-.00100
.700	4.000	-.05040	.34450	.11030	-.16400	-.00920	.00210	-.00090
.700	5.000	-.05130	.44340	.11890	-.17950	-.00810	.00190	-.00100
.700	6.000	-.05130	.54430	.12910	-.19350	-.00660	.00160	-.00080
.700	7.000	-.04890	.64990	.14200	-.21020	-.00580	.00150	-.00070
.700	8.000	-.04670	.75720	.15830	-.22950	-.00590	.00140	-.00100
.700	9.000	-.04660	.86000	.17780	-.24650	-.00640	.00150	-.00100
.700	10.000	-.04400	.95340	.20130	-.25780	-.00710	.00170	-.00040
.700	11.000	-.04290	1.03560	.22920	-.26310	-.00740	.00160	.00010
.700	12.000	-.04610	1.10640	.26070	-.26590	-.00720	.00140	.00000
	GRADIENT	-.00100	.10640	.00077	-.02136	.00030	.00012	.00003

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM096) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-09 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 9 700

RUN NO. 398/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.05700	-.24000	.09040	.18390	-.00600	.00120	-.00150
.300	-1.000	-.05910	-.13730	.08430	.16020	-.00550	.00150	-.00170
.300	.000	-.05890	-.03380	.08150	.13640	-.00590	.00140	-.00160
.300	1.000	-.05640	.06290	.08110	.11290	-.00550	.00130	-.00160
.300	2.000	-.05410	.15950	.08250	.08590	-.00530	.00130	-.00140
.300	3.000	-.05500	.25570	.08530	.05690	-.00590	.00130	-.00130
.300	4.000	-.05510	.34770	.08940	.02960	-.00610	.00130	-.00130
.300	5.000	-.05590	.43900	.09520	.00500	-.00570	.00120	-.00130
.300	6.000	-.05880	.53390	.10320	-.01790	-.00490	.00120	-.00150
.300	7.000	-.06030	.63200	.11360	-.04200	-.00400	.00110	-.00170
.300	8.000	-.06180	.72840	.12570	-.06790	-.00340	.00100	-.00160
.300	9.000	-.06400	.82170	.13900	-.09420	-.00430	.00110	-.00100
.300	10.000	-.06540	.91250	.15420	-.11690	-.00670	.00190	-.00040
.300	11.000	-.06470	.99960	.17280	-.13280	-.00850	.00290	-.00030
.300	12.000	-.06400	1.08020	.19670	-.14260	-.00870	.00320	-.00030
	GRADIENT	.00050	.09694	.00085	-.02584	.00005	-.00002	.00005

RUN NO. 397/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.05070	-.26770	.09450	.19200	-.00900	.00120	-.00130
.500	-1.000	-.04810	-.16030	.08770	.16510	-.00820	.00140	-.00140
.500	.000	-.04780	-.05160	.08430	.13860	-.00750	.00140	-.00130
.500	1.000	-.04760	.05100	.08370	.11190	-.00720	.00150	-.00140
.500	2.000	-.04440	.15150	.08530	.08300	-.00730	.00150	-.00150
.500	3.000	-.04190	.25030	.08840	.05430	-.00710	.00140	-.00140
.500	4.000	-.04070	.34820	.09300	.02690	-.00650	.00120	-.00120
.500	5.000	-.04130	.44540	.09970	.00110	-.00620	.00120	-.00130
.500	6.000	-.04860	.54440	.10870	-.02390	-.00600	.00130	-.00150
.500	7.000	-.05730	.64500	.11970	-.04830	-.00550	.00130	-.00140
.500	8.000	-.05800	.74510	.13270	-.07240	-.00550	.00130	-.00100
.500	9.000	-.05480	.84380	.14850	-.09650	-.00600	.00140	-.00130
.500	10.000	-.05030	.93970	.16830	-.11630	-.00590	.00140	-.00180
.500	11.000	-.04700	1.02650	.19270	-.12790	-.00580	.00150	-.00170
.500	12.000	-.04740	1.10640	.22150	-.13600	-.00690	.00200	-.00130
	GRADIENT	.00147	.10167	.00091	-.02749	.00035	-.00001	.00001

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM096) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 9.700

RUN NO 396/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.06000	-.28420	.09770	.20390	-.00920	.00140	- .00120
.600	-1.000	-.06160	-.17480	.09020	.17450	-.00850	.00130	- .00150
.600	.000	-.05670	-.06280	.08640	.14400	-.00890	.00150	- .00150
.600	1 000	-.05140	.04360	.08610	.11450	-.00900	.00170	- .00150
.600	2 000	-.05250	.14620	.08840	.08500	-.00850	.00160	- .00150
.600	3 000	-.05460	.24880	.09240	.05610	-.00810	.00140	- .00130
.600	4 000	-.05470	.35010	.09860	.02800	-.00770	.00140	- .00110
.600	5 000	-.05250	.44870	.10780	.00110	-.00700	.00140	- .00100
.600	6 000	-.05010	.54820	.11960	-.02600	-.00600	.00130	- .00110
.600	7 000	-.04840	.65060	.13290	-.05260	-.00500	.00110	- .00100
.600	8 000	-.04860	.75240	.14790	-.07640	-.00440	.00080	- .00070
.600	9 000	-.04840	.85010	.16550	-.09620	-.00490	.00080	- .00080
.600	10 000	-.04990	.94330	.18560	-.10990	-.00630	.00130	- .00120
.600	11 000	-.05300	1.03030	.21190	-.11610	-.00680	.00140	- .00090
.600	12 000	-.05390	1.10890	.24140	-.12150	-.00640	.00140	- .00040
	GRADIENT	.00110	.10467	.00158	-.02911	.00027	.00000	.00005

RUN NO 395/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.04380	-.30440	.10480	.20860	-.01000	.00120	- .00120
.700	-1 000	-.04530	-.19370	.09700	.17950	-.00950	.00110	- .00150
.700	.000	-.04780	-.08140	.09430	.14740	-.00930	.00120	- .00130
.700	1 000	-.04880	.02760	.09550	.11670	-.00900	.00130	- .00100
.700	2 000	-.04720	.13260	.09960	.08920	-.00890	.00160	- .00090
.700	3 000	-.04440	.23690	.10550	.05840	-.00880	.00180	- .00100
.700	4 000	-.04360	.33970	.11310	.02870	-.00810	.00170	- .00110
.700	5 000	-.04350	.43930	.12250	.00440	-.00660	.00140	- .00100
.700	6 000	-.04230	.53910	.13400	-.01450	-.00480	.00100	- .00090
.700	7 000	-.04180	.64280	.14800	-.03230	-.00380	.00060	- .00090
.700	8 000	-.04340	.74760	.16440	-.04910	-.00380	.00050	- .00120
.700	9 000	-.04480	.84930	.18370	-.06430	-.00450	.00050	- .00130
.700	10 000	-.04290	.94990	.20690	-.07740	-.00550	.00060	- .00090
.700	11 000	-.04020	1.03360	.23470	-.08760	-.00610	.00060	- .00020
.700	12 000	-.03940	1.11110	.26710	-.09970	-.00610	.00040	- .00030

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM097) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 9 700

RUN NO. 402/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79640	.55320	.09220	-.08470	.29000	-.02710	.04040
.300	-10.000	5.79930	.54750	.09290	-.07520	.23830	-.02200	.03310
.300	-8.000	5.80520	.53330	.09520	-.05490	.18660	-.01740	.02670
.300	-6.000	5.81050	.52230	.09760	-.03380	.13350	-.01260	.02010
.300	-4.000	5.81350	.51970	.09960	-.01950	.08230	-.00740	.01320
.300	-3.000	5.81400	.52220	.10050	-.01780	.05810	-.00490	.00970
.300	-2.000	5.81400	.52560	.10150	-.01980	.03540	-.00270	.00610
.300	-1.000	5.81300	.52700	.10230	-.02290	.01300	-.00090	.00250
.300	.000	5.81200	.52740	.10290	-.02440	-.00960	.00090	-.00110
.300	1.000	5.81050	.52850	.10290	-.02380	-.03310	.00280	-.00480
.300	2.000	5.81010	.52930	.10240	-.02220	-.05790	.00520	-.00860
.300	3.000	5.81050	.53060	.10190	-.02420	-.08300	.00780	-.01220
.300	4.000	5.80960	.53390	.10160	-.03280	-.10800	.01030	-.01540
.300	6.000	5.80420	.54390	.10050	-.05760	-.15830	.01450	-.02150
.300	8.000	5.79980	.55230	.09730	-.07620	-.20990	.01890	-.02840
.300	10.000	5.79740	.55770	.09320	-.08570	-.26160	.02330	-.03590
.300	12.000	5.79540	.56020	.09130	-.09510	-.31120	.02760	-.04270
	GRADIENT	-.00061	.00151	.00024	-.00130	-.02362	.00214	-.00361

RUN NO 401/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79880	.55480	.09700	-.06830	.30000	-.02800	.04050
.500	-10.000	5.80030	.54910	.09740	-.05440	.24800	-.02300	.03390
.500	-8.000	5.80620	.53600	.09880	-.03740	.19580	-.01860	.02760
.500	-6.000	5.81010	.52690	.10110	-.02220	.14170	-.01330	.02080
.500	-4.000	5.81010	.52620	.10390	-.01320	.08690	-.00730	.01360
.500	-3.000	5.80960	.52860	.10520	-.01380	.06120	-.00460	.00980
.500	-2.000	5.80860	.53140	.10640	-.01780	.03760	-.00260	.00610
.500	-1.000	5.80910	.53290	.10720	-.02120	.01520	-.00110	.00250
.500	.000	5.80960	.53330	.10770	-.02220	-.00740	.00050	-.00110
.500	1.000	5.80960	.53380	.10810	-.02200	-.03120	.00230	-.00480
.500	2.000	5.81010	.53420	.10810	-.02120	-.05630	.00440	-.00850
.500	3.000	5.81100	.53440	.10750	-.02150	-.08200	.00680	-.01220
.500	4.000	5.81050	.53550	.10650	-.02540	-.10830	.00950	-.01570
.500	6.000	5.80620	.54080	.10400	-.04070	-.16200	.01450	-.02250
.500	8.000	5.80130	.54900	.10140	-.05770	-.21580	.01910	-.02900
.500	10.000	5.79930	.55710	.09960	-.07020	-.26920	.02350	-.03550
.500	12.000	5.79930	.56060	.09890	-.07220	-.32190	.02860	-.04260
	GRADIENT	.00015	.00102	.00036	-.00132	-.02408	.00198	-.00366

CA5 K1 F0 H15 6 V9.1 (PLUS. ORB TC5 AT38.2)

(RGM097) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORE = 9 700

RUN NO. 400/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.79740	.55520	.10970	-.06150	.30630	-.02820	.03890
.600	-10 000	5 80080	.54790	.10870	-.04170	.25610	-.02360	.03290
.600	-8.000	5.80570	.53580	.10960	-.02480	.20250	-.01870	.02670
.600	-6.000	5.80910	.52930	.11200	-.01320	.14650	-.01320	.02020
.600	-4 000	5.80910	.53110	.11510	-.00930	.09070	-.00760	.01330
.600	-3 000	5.80860	.53350	.11630	-.01200	.06420	-.00500	.00980
.600	-2 000	5 80760	.53540	.11700	-.01790	.03970	-.00270	.00640
.600	-1 000	5.80760	.53700	.11720	-.02440	.01640	-.00100	.00290
.600	.000	5 80810	.53850	.11760	-.02770	-.00660	.00050	-.00060
.600	1.000	5.80860	.53910	.11820	-.02550	-.03070	.00210	-.00420
.600	2.000	5 80810	.53920	.11850	-.02130	-.05670	.00420	-.00780
.600	3 000	5.80810	.53900	.11820	-.01860	-.08400	.00680	-.01130
.600	4.000	5.80660	.53920	.11710	-.01930	-.11140	.00920	-.01470
.600	6.000	5 80270	.54320	.11420	-.03040	-.16560	.01380	-.02130
.600	8 000	5.80030	.55050	.11260	-.04790	-.22000	.01870	-.02780
.600	10.000	5.79930	.55770	.11260	-.06290	-.27440	.02400	-.03420
.600	12.000	5.79590	.55750	.11240	-.06390	-.32860	.02900	-.04040
GRADIENT		-.00016	.00098	.00030	-.00113	-.02488	.00199	-.00351

RUN NO. 399/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.79640	.54640	.12500	-.02360	.31870	-.02680	.03750
.700	-10.000	5.80520	.53870	.12350	-.00750	.26470	-.02340	.03230
.700	-8.000	5 80960	.52840	.12550	.00290	.20680	-.01700	.02640
.700	-6 000	5.81150	.52250	.12880	.00540	.14880	-.01080	.01990
.700	-4 000	5.81150	.52280	.13160	.00050	.09360	-.00620	.01320
.700	-3.000	5.81050	.52370	.13230	-.00410	.06770	-.00440	.00980
.700	-2.000	5.80960	.52390	.13230	-.00880	.04290	-.00250	.00630
.700	-1.000	5 81010	.52390	.13230	-.01260	.01830	-.00090	.00270
.700	.000	5.81100	.52480	.13280	-.01340	-.00620	.00050	-.00100
.700	1 000	5.81050	.52590	.13350	-.01070	-.03130	.00210	-.00460
.700	2.000	5.80910	.52720	.13410	-.00880	-.05780	.00400	-.00820
.700	3.000	5 80760	.52800	.13390	-.00810	-.08490	.00610	-.01170
.700	4.000	5 80710	.52840	.13310	-.00730	-.11190	.00810	-.01490
.700	6 000	5.80760	.53190	.13060	-.00950	-.16660	.01210	-.02110
.700	8 000	5 80470	.54050	.12860	-.02170	-.22350	.01760	-.02730
.700	10.000	5 79880	.55140	.12780	-.03800	-.28120	.02340	-.03340
.700	12.000	5.79640	.55670	.12830	-.04510	-.33660	.02680	-.03900
GRADIENT		-.00045	.00073	.00026	-.00069	-.02551	.00174	-.00355

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0

V9.1 (PLUS. ORB TCS AT3B 2A)

(R6M09B) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = 000
 RUD-L = .000 S1-2 = 000
 S3-4 = 45 000 S5-6 = 20 000
 IORB = 7.850

RUN NO. 407/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.05020	-.20630	.08360	-.01980	-.01060	.00070	-.00100
.150	-1.000	-.05170	-.11840	.07720	-.00830	-.00480	.00000	-.00090
.150	.000	-.05370	-.01980	.07440	-.01020	-.00490	-.00010	-.00100
.150	1.000	-.05270	.07420	.07360	-.01330	-.00680	.00010	-.00110
.150	2.000	-.05280	.15100	.07410	-.01280	-.00750	.00030	-.00110
.150	3.000	-.05310	.24400	.07570	-.00870	-.00670	.00010	-.00110
.150	4.000	-.05300	.32640	.07850	-.00400	-.00640	.00000	-.00130
.150	5.000	-.05220	.41060	.08320	.00030	-.00670	.00030	-.00120
.150	6.000	-.05300	.49590	.08930	.00440	-.00720	.00070	-.00110
.150	7.000	-.05630	.58330	.09680	.00770	-.00850	.00080	-.00110
.150	8.000	-.05510	.67290	.10610	.00970	-.01040	.00040	-.00100
.150	9.000	-.05080	.76310	.11740	.01150	-.01230	.00020	-.00100
.150	10.000	-.04880	.84860	.13110	.01470	-.01190	.00030	-.00080
.150	11.000	-.05070	.92650	.14780	.01890	-.00990	.00050	-.00050
.150	12.000	-.05410	.99960	.16840	.02370	-.00840	.00090	-.00030
	GRADIENT	-.00022	.08834	.00010	.00197	.00016	-.00002	-.00004

RUN NO. 408/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.04320	-.23190	.08910	-.01160	-.01040	.00100	-.00070
.300	-1.000	-.04970	-.13360	.08230	-.00790	-.00630	.00050	-.00070
.300	.000	-.05130	-.03520	.07850	-.00570	-.00690	.00010	-.00060
.300	1.000	-.05000	.05570	.07710	-.00400	-.00720	.00020	-.00070
.300	2.000	-.05330	.14220	.07800	-.00170	-.00730	.00040	-.00070
.300	3.000	-.05450	.22780	.07970	.00020	-.00770	.00040	-.00060
.300	4.000	-.05370	.31400	.08240	.00200	-.00840	.00030	-.00060
.300	5.000	-.05350	.40030	.08660	.00420	-.00880	.00040	-.00070
.300	6.000	-.05300	.48810	.09270	.00700	-.00710	.00050	-.00090
.300	7.000	-.04980	.57750	.10030	.01090	-.00660	.00040	-.00110
.300	8.000	-.05130	.66260	.10890	.01490	-.00620	.00010	-.00120
.300	9.000	-.05450	.74470	.11880	.01770	-.00640	.00020	-.00080
.300	10.000	-.05370	.82890	.13140	.02090	-.00770	.00080	-.00020
.300	11.000	-.05080	.91370	.14870	.02740	-.00950	.00140	.00000
.300	12.000	-.05010	.99100	.17150	.03710	-.01040	.00170	.00020
	GRADIENT	-.00125	.08975	-.00015	.00214	.00016	-.00005	.00001

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0

V9.1 (PLUS. ORB TC5 AT38 2A)

(RGM09B) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 405/ 0 RN/L = 2.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.04510	-.25000	.09330	-.01900	-.01080	.00080	-.00060
.500	-1.000	-.05060	-.14990	.08560	-.01980	-.01000	.00090	-.00090
.500	.000	-.04560	-.04830	.08140	-.02020	-.00970	.00100	-.00080
.500	1.000	-.04340	.04690	.08000	-.01830	-.00990	.00110	-.00070
.500	2.000	-.04550	.13810	.08050	-.01520	-.00960	.00110	-.00080
.500	3.000	-.04670	.22910	.08220	-.01150	-.00920	.00100	-.00080
.500	4.000	-.04470	.31800	.08530	-.00630	-.00910	.00090	-.00080
.500	5.000	-.04290	.40730	.08990	-.00180	-.00880	.00070	-.00090
.500	6.000	-.04140	.49860	.09640	.00200	-.00790	.00040	-.00110
.500	7.000	-.04090	.59090	.10450	.00570	-.00700	.00030	-.00090
.500	8.000	-.03880	.68260	.11430	.00900	-.00650	.00000	-.00080
.500	9.000	-.03440	.77330	.12690	.01130	-.00660	-.00010	-.00110
.500	10.000	-.03100	.86230	.14400	.01510	-.00760	.00030	-.00150
.500	11.000	-.02960	.94580	.16580	.02330	-.00870	.00090	-.00120
.500	12.000	-.02710	1.02160	.19200	.03410	-.00940	.00140	-.00080
GRADIENT		.00047	.09362	-.00027	.00257	.00024	-.00001	-.00002

RUN NO. 404/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.04500	-.26510	.09720	-.02230	-.01040	.00080	-.00050
.600	-1.000	-.04260	-.16230	.08860	-.02560	-.01000	.00090	-.00090
.600	.000	-.04500	-.05920	.08380	-.02460	-.01040	.00110	-.00080
.600	1.000	-.04390	.03820	.08210	-.02230	-.01040	.00110	-.00080
.600	2.000	-.04080	.13310	.08250	-.01930	-.01040	.00120	-.00080
.600	3.000	-.03930	.22850	.08440	-.01620	-.00990	.00110	-.00090
.600	4.000	-.04000	.32260	.08800	-.01280	-.00920	.00090	-.00090
.600	5.000	-.04180	.41620	.09340	-.00840	-.00870	.00070	-.00100
.600	6.000	-.04410	.51030	.10090	-.00220	-.00800	.00050	-.00110
.600	7.000	-.04420	.60570	.11050	.00220	-.00700	.00000	-.00060
.600	8.000	-.04330	.70070	.12300	.00440	-.00650	-.00040	-.00020
.600	9.000	-.04380	.79410	.13940	.00770	-.00750	-.00010	-.00040
.600	10.000	-.04270	.88390	.16010	.01430	-.00900	.00060	-.00080
.600	11.000	-.04140	.96850	.18490	.02250	-.00880	.00080	-.00050
.600	12.000	-.04030	1.03890	.21400	.03000	-.00720	.00040	-.00000
GRADIENT		.00066	.09704	-.00033	.00226	.00021	-.00001	-.00005

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0

V9.1 (PLUS. ORB TC5 AT38.2A)

(RGM098) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = 0300

BETA = 000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20 000
 IORB = 7.850

RUN NO. 403/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.03140	-.28720	.10390	- 02550	-.01120	.00100	-.00080
.700	-1.000	-.03390	-.17870	.09360	- 02670	-.01120	.00120	-.00080
.700	.000	-.03680	-.07220	.08820	- 02860	-.01110	.00150	-.00090
.700	1 000	-.03930	.02920	.08630	-02660	-.01060	.00160	-.00090
.700	2.000	-.03960	.12750	.08730	-.02390	-.01070	.00180	-.00090
.700	3.000	-.03660	.22510	.09130	-.01960	-.01090	.00200	-.00080
.700	4.000	-.03110	.32080	.09750	-.01320	-.01000	.00190	-.00080
.700	5.000	-.02980	.41430	.10530	-.00580	-.00820	.00130	-.00080
.700	6.000	-.03590	.50920	.11470	-.00030	-.00660	.00060	-.00060
.700	7.000	-.03900	.61120	.12650	.00160	-.00550	.00000	-.00050
.700	8 000	-.03310	.71480	.14140	.00240	-.00530	-.00040	-.00080
.700	9 000	-.02630	.81410	.15980	.00380	-.00550	-.00050	-.00120
.700	10 000	-.02390	.90350	.18240	.00850	-.00570	-.00040	-.00070
.700	11 000	-.02130	.98080	.20900	.01830	-.00590	-.00030	-.00010
.700	12 000	-.02440	1.04770	.23850	.03040	-.00600	-.00020	.00000
	GRADIENT	.00030	.09998	.00047	.00292	.00033	.00009	.00000

CAS K1 F0

V9.1 (PLUS. ORB NOZ AT38 2A)

(RGM099) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 411/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
300	-2.000	-.05300	-.24000	.09990	.00430	-.00860	.00010	-.00040
300	-1.000	-.05080	-.14360	.09260	.00880	-.00750	.00000	-.00040
.300	.000	-.04940	-.04710	.08820	.01070	-.00650	-.00020	-.00040
300	1.000	-.05070	.04160	.08660	.01340	-.00590	-.00020	-.00050
.300	2.000	-.05720	.12770	.08690	.01630	-.00580	-.00020	-.00050
.300	3.000	-.05960	.21440	.08840	.01900	-.00670	-.00010	-.00050
.300	4.000	-.05720	.29970	.09090	.02250	-.00770	.00010	-.00050
300	5.000	-.05480	.38410	.09480	.02590	-.00750	.00010	-.00070
.300	6.000	-.05350	.47030	.10090	.03000	-.00720	.00010	-.00090
.300	7.000	-.05550	.55880	.10890	.03510	-.00710	.00020	-.00110
.300	8.000	-.05770	.64490	.11760	.03990	-.00650	.00020	-.00120
.300	9.000	-.05800	.72800	.12730	.04350	-.00610	.00010	-.00070
300	10.000	-.05720	.81140	.14010	.04780	-.00720	.00030	-.00030
.300	11.000	-.05760	.89360	.15730	.05570	-.00850	.00080	-.00010
.300	12.000	-.05790	.97000	.17950	.06650	-.00930	.00120	.00020
	GRADIENT	-.00097	.08876	-.00052	.00295	.00007	.00001	-.00003

RUN NO 410/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
500	-2.000	-.05560	-.26160	.10380	-.00460	-.01010	.00040	-.00050
.500	-1.000	-.05410	-.16200	.09560	-.00270	-.00860	.00030	-.00070
.500	.000	-.05150	-.06160	.09090	-.00040	-.00830	.00040	-.00060
.500	1.000	-.04950	.03120	.08930	.00260	-.00870	.00060	-.00070
.500	2.000	-.04710	.12310	.08950	.00610	-.00850	.00060	-.00070
.500	3.000	-.04950	.21430	.09100	.01070	-.00800	.00040	-.00070
.500	4.000	-.05150	.30260	.09370	.01590	-.00770	.00040	-.00070
.500	5.000	-.05010	.39040	.09820	.02120	-.00750	.00040	-.00080
.500	6.000	-.04730	.48110	.10490	.02660	-.00700	.00030	-.00100
.500	7.000	-.04380	.57380	.11310	.03180	-.00640	.00010	-.00090
.500	8.000	-.03960	.66460	.12260	.03620	-.00600	.00000	-.00080
.500	9.000	-.04260	.75490	.13540	.03920	-.00640	.00010	-.00120
.500	10.000	-.04610	.84420	.15240	.04370	-.00760	.00060	-.00160
.500	11.000	-.04240	.92760	.17400	.05330	-.00880	.00110	-.00130
.500	12.000	-.03660	1.00240	.19980	.06660	-.00940	.00160	-.00090
	GRADIENT	.00071	.09295	-.00057	.00370	.00028	.00001	-.00003

CA5 K1 F0

V9.1 (PLUS, ORB NOZ AT38 2A)

(RGM099) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 RUD-U = .000
 RUD-L = .000 S1-2 = 000
 S3-4 = 45 000 S5-6 = 20 000
 IORB = 7 850

RUN NO. 409/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.03890	-.27890	.10680	-.00410	-.00950	.00040	-.00040
600	-1 000	- 04060	-.17630	.09820	- 00540	-.00880	.00050	- 00070
.600	000	- 03810	-.07330	.09310	-.00510	-.00890	00060	- 00060
600	1 000	- 03330	.02370	.09110	-.00270	-.00890	00060	- 00060
.600	2 000	- 03660	.11910	.09120	.00130	-.00930	.00090	- .00070
.600	3.000	-.03570	.21260	.09320	.00560	-.00900	.00090	- 00080
.600	4.000	-.03240	.30500	.09570	.01040	-.00800	.00060	- .00080
600	5 000	-.03450	.39720	.10180	.01660	-.00750	00050	- 00090
.600	6 000	- 04160	.49070	.10900	.02330	-.00740	00050	- 00100
.600	7 000	-.04620	.58610	.11870	.02860	-.00690	00030	- 00070
.600	8 000	-.04580	.68190	.13120	.03250	- 00670	.00000	- .00020
.600	9.000	-.04300	.77530	.14740	.03740	-.00750	.00010	- .00050
600	10.000	-.04070	.86420	.16770	.04510	-.00900	.00080	- .00080
600	11 000	- 03940	.94630	.19280	.05440	-.00920	.00120	- 00060
600	12.000	-.03580	1.02030	.22160	.06290	-.00780	.00100	.00000
GRADIENT		.00090	.09617	-.00050	.00310	.00021	.00003	- .00006

RUN NO. 408/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.03190	-.30110	.11280	-.00590	- 01060	00070	- 00070
.700	-1 000	-.03520	-.19660	.10260	-.00510	-.01050	.00090	- .00080
700	.000	-.03870	-.08970	.09650	-.00460	- 01010	00100	- .00080
.700	1.000	-.03820	.01010	.09440	-.00300	- 00970	.00110	- 00080
.700	2.000	-.03810	.10920	.09520	-.00010	-.00960	.00130	- .00090
.700	3.000	-.03900	.20670	.09890	.00540	-.00940	.00140	- .00080
.700	4.000	-.03750	.30080	.10490	.01400	-.00880	.00140	- .00060
700	5.000	-.03690	.39280	.11260	.02280	-.00780	.00120	- .00070
.700	6 000	- 03610	.48770	.12180	.02980	-.00660	00080	- 00060
.700	7.000	- 03500	.58940	.13350	.03370	-.00560	.00030	- .00060
.700	8.000	-.03390	.69290	.14830	.03600	-.00510	.00000	- .00090
700	9.000	- 03370	.79000	.16660	.04030	-.00500	-.00010	- 00150
.700	10 000	-.03140	.87850	.18890	.04790	- 00590	.00020	- .00100
700	11.000	- 02760	.95710	.21530	.05830	-.00690	.00070	- 00020
.700	12 000	-.02540	1.02530	.24530	.07020	- 00750	.00100	.00020
GRADIENT		- 00053	.09920	.00022	.00392	.00036	.00009	.00001

CA5 K1 F0 H15.1A

(PLUS ORB NOZ AT38.2A)

(RGM100) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1.000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 1ORB = 7.650

RUN NO. 415/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.301	-12.000	5.82420	.48800	.09480	.03800	.22240	.01540	.03180
.301	-10 000	5.82620	.48600	.09730	.04030	.18240	.01340	.02640
.301	-8 000	5.83010	.47840	.09850	.04290	.13840	.01170	.02140
.301	-6 000	5.83350	.47220	.09910	.04890	.09540	.00990	.01620
.301	-4 000	5.83500	.47070	.09970	.05780	.05620	.00770	.01070
.301	-3.000	5.83500	.47220	.10020	.06070	.03850	.00610	.00790
.301	-2.000	5.83450	.47390	.10060	.06080	.02170	.00420	.00500
.301	-1 000	5.83400	.47380	.10080	.05950	.00510	.00220	.00200
.301	000	5.83300	.47290	.10090	.05870	-.01200	.00030	-.00100
.301	1.000	5.83300	.47310	.10110	.05890	-.02970	-.00140	-.00410
.301	2.000	5.83250	.47340	.10120	.05820	-.04800	-.00300	-.00720
.301	3 000	5.83200	.47540	.10140	.05500	-.06700	-.00440	-.01010
.301	4 000	5.83150	.47970	.10160	.04960	-.08690	-.00560	-.01270
.301	6 000	5.83060	.48920	.10130	.03960	-.12840	-.00790	-.01760
.301	8 000	5.82710	.49340	.09940	.03540	-.17040	-.00990	-.02290
.301	10 000	5.82370	.49300	.09640	.03380	-.21200	-.01200	-.02870
.301	12.000	5.82230	.49430	.09380	.02290	-.25270	-.01430	-.03420
GRADIENT	-.00047	.00073	.00021	-.00093	-.01772	-.00171	-.00297	

RUN NO. 414/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.82520	.48180	.09700	.04370	.22930	.01480	.03190
.500	-10.000	5.82520	.47970	.09800	.04990	.19060	.01250	.02690
.500	-8.000	5.82910	.47020	.09910	.05290	.14730	.01080	.02210
.500	-6.000	5.83300	.46280	.10020	.05640	.10400	.00900	.01690
.500	-4.000	5.83590	.46140	.10110	.06120	.06320	.00670	.01100
.500	-3.000	5.83640	.46220	.10140	.06380	.04440	.00520	.00800
.500	-2.000	5.83640	.46310	.10170	.06660	.02660	.00350	.00490
.500	-1.000	5.83640	.46420	.10180	.06580	.00880	.00180	.00180
.500	.000	5.83640	.46580	.10200	.06500	-.00970	.00040	-.00150
.500	1.000	5.83540	.46740	.10240	.06430	-.02900	-.00110	-.00470
.500	2.000	5.83450	.46820	.10290	.06340	-.04870	-.00260	-.00790
.500	3.000	5.83400	.46830	.10320	.06140	-.06870	-.00410	-.01090
.500	4 000	5.83350	.46920	.10330	.05810	-.08860	-.00530	-.01370
.500	6.000	5.83060	.47390	.10250	.05040	-.12930	-.00750	-.01900
.500	8 000	5.82620	.47940	.10080	.04370	-.17220	-.00970	-.02400
.500	10 000	5.82180	.48440	.09860	.03890	-.21620	-.01180	-.02920
.500	12.000	5.82080	.48630	.09630	.03500	-.25780	-.01400	-.03460
GRADIENT	-.00036	.00105	.00029	-.00042	-.01891	-.00152	-.00313	

CAS K1 F0 H15 1A

(PLUS ORB NOZ AT38 2A)

(RGM100) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1 000
 ELV-18 = .000 ELV-08 = 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 413/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.601	-12.000	5.82370	.49380	.10180	.05270	.23500	.01420	.03260
.601	-10.000	5.82470	.49390	.10170	.05820	.19610	.01190	.02780
.601	-8.000	5.83010	.47430	.10220	.06170	.15210	.01050	.02270
.601	-6.000	5.83400	.46840	.10310	.06540	.10780	.00880	.01720
.601	-4.000	5.83350	.46450	.10420	.06880	.06560	.00630	.01120
.601	-3.000	5.83300	.46530	.10450	.07110	.04650	.00480	.00820
.601	-2.000	5.83250	.46590	.10460	.07140	.02850	.00310	.00520
.601	-1.000	5.83200	.46580	.10460	.07100	.00980	.00170	.00190
.601	.000	5.83250	.46570	.10490	.07080	-.00980	.00050	-.00150
.601	1.000	5.83250	.46610	.10540	.07050	-.02970	-.00070	-.00490
.601	2.000	5.83150	.46700	.10600	.06960	-.05000	-.00210	-.00600
.601	3.000	5.83010	.46830	.10660	.06780	-.07050	-.00350	-.01100
.601	4.000	5.82910	.47040	.10680	.06480	-.09140	-.00460	-.01380
.601	6.000	5.82810	.47530	.10620	.05810	-.13460	-.00700	-.01940
.601	8.000	5.82620	.48020	.10530	.05350	-.17910	-.00890	-.02450
.601	10.000	5.82320	.48420	.10440	.04900	-.22400	-.01090	-.02940
.601	12.000	5.81930	.48700	.10340	.03700	-.26810	-.01300	-.03450
GRADIENT		-.00046	.00058	.00034	-.00055	-.01959	-.00137	-.00318

RUN NO 412/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.82280	.49170	.11430	.07310	.25230	.01440	.03050
.700	-10.000	5.82620	.48090	.11480	.07480	.20990	.01150	.02610
.700	-8.000	5.82910	.47280	.11540	.07550	.16290	.01000	.02120
.700	-6.000	5.83110	.46620	.11620	.07510	.11670	.00810	.01610
.700	-4.000	5.83150	.46440	.11710	.07320	.07330	.00540	.01090
.700	-3.000	5.83200	.46470	.11720	.07150	.05250	.00390	.00810
.700	-2.000	5.83300	.46490	.11700	.06970	.03190	.00250	.00510
.700	-1.000	5.83300	.46480	.11680	.06850	.01120	.00150	.00200
.700	.000	5.83250	.46450	.11690	.06810	-.00960	.00050	-.00120
.700	1.000	5.83200	.46440	.11730	.06810	-.03080	-.00050	-.00450
.700	2.000	5.83200	.46390	.11790	.06890	-.05250	-.00160	-.00760
.700	3.000	5.83200	.46440	.11840	.06890	-.07460	-.00270	-.01040
.700	4.000	5.83060	.46660	.11860	.06660	-.09640	-.00390	-.01300
.700	6.000	5.82670	.47240	.11790	.06270	-.14060	-.00650	-.01790
.700	8.000	5.82420	.47720	.11670	.06550	-.18690	-.00890	-.02280
.700	10.000	5.82320	.48120	.11560	.06760	-.23380	-.01110	-.02780
.700	12.000	5.81790	.48750	.11550	.04980	-.27800	-.01380	-.03230
GRADIENT		-.00011	.00009	.00020	-.00060	-.02118	-.00112	-.00305

CAS K1 F0 H15.1A

(PLUS. ORB TC5 AT38.2A)

(RGM101) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -1 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 419/ 0 RN/L = 1.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	1.94860	.13480	.06430	.09690	.21430	.01880	.02300
.300	-10.000	1.95260	.12300	.06500	.10270	.17960	.01620	.02030
.300	-8.000	1.95620	.11650	.06760	.10920	.14130	.01220	.01690
.300	-6.000	1.96000	.11330	.07040	.12240	.10170	.00940	.01280
.300	-4.000	1.96350	.10570	.07230	.14000	.06280	.00650	.00830
.300	-3.000	1.96440	.10240	.07300	.14590	.04420	.00490	.00600
.300	-2.000	1.96400	.10130	.07340	.14690	.02630	.00320	.00360
.300	-1.000	1.96330	.10220	.07360	.14520	.00860	.00170	.00120
.300	.000	1.96300	.10420	.07370	.14310	-.00900	.00020	-.00130
.300	1.000	1.96330	.10590	.07390	.14050	-.02700	-.00140	-.00390
.300	2.000	1.96310	.10780	.07410	.13670	-.04530	-.00320	-.00620
.300	3.000	1.96240	.11020	.07400	.13150	-.06430	-.00490	-.00850
.300	4.000	1.96120	.11270	.07320	.12520	-.08400	-.00630	-.01090
.300	6.000	1.95750	.11860	.07050	.11240	-.12420	-.00880	-.01540
.300	8.000	1.95290	.12670	.06750	.10120	-.16330	-.01180	-.01850
.300	10.000	1.94780	.13660	.06500	.09150	-.20200	-.01520	-.02080
.300	12.000	1.94170	.14740	.06320	.07990	-.24310	-.01790	-.02400
GRADIENT		-.00028	.00114	.00014	-.00213	-.01819	-.00161	-.00242

RUN NO 418/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	1.95320	.12710	.06770	.10110	.22130	.01860	.02320
.500	-10.000	1.95580	.11810	.06730	.10970	.18940	.01430	.02110
.500	-8.000	1.96040	.11150	.07000	.11580	.14910	.01160	.01730
.500	-6.000	1.96450	.10510	.07270	.12620	.10690	.00900	.01280
.500	-4.000	1.96880	.09880	.07420	.14030	.06640	.00590	.00830
.500	-3.000	1.96790	.09630	.07460	.14600	.04680	.00430	.00610
.500	-2.000	1.96870	.09480	.07500	.14890	.02740	.00300	.00360
.500	-1.000	1.96790	.09470	.07550	.14920	.00800	.00170	.00100
.500	.000	1.96580	.09580	.07590	.14720	-.01130	.00040	-.00160
.500	1.000	1.96420	.09750	.07620	.14350	-.03090	-.00100	-.00430
.500	2.000	1.96340	.10000	.07640	.13850	-.05090	-.00250	-.00690
.500	3.000	1.96260	.10310	.07620	.13270	-.07090	-.00410	-.00920
.500	4.000	1.96220	.10640	.07570	.12680	-.09120	-.00550	-.01150
.500	6.000	1.96000	.11390	.07340	.11430	-.13290	-.00800	-.01560
.500	8.000	1.95640	.12090	.07080	.10350	-.17300	-.01110	-.01930
.500	10.000	1.95280	.12760	.06890	.09400	-.20960	-.01520	-.02230
.500	12.000	1.94630	.14020	.06840	.07860	-.24690	-.01850	-.02480
GRADIENT		-.00081	.00107	.00024	-.00201	-.01965	-.00141	-.00252

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38 2A)

(RGM101) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

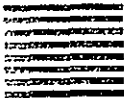
ALPHA1 = 2 000 STAB = -1.000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 FORB = 7 850

RUN NO. 417/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	1.95290	.11710	.07220	.11200	.22400	.01910	.02270
.600	-10.000	1.95640	.11050	.07190	.12060	.19300	.01450	.02090
.600	-8.000	1.96080	.10280	.07360	.12510	.15420	.01170	.01730
.600	-6.000	1.96410	.09690	.07550	.13150	.11220	.00890	.01300
.600	-4.000	1.96580	.09300	.07660	.14150	.06990	.00550	.00850
.600	-3.000	1.96680	.09060	.07660	.14730	.04970	.00390	.00620
.600	-2.000	1.96600	.08770	.07640	.15220	.02960	.00270	.00380
.600	-1.000	1.96600	.08600	.07640	.15470	.00850	.00170	.00110
.600	.000	1.96720	.08650	.07670	.15470	-.01260	.00080	-.00160
.600	1.000	1.96630	.08930	.07740	.15140	-.03320	-.00040	-.00430
.600	2.000	1.96530	.09230	.07790	.14560	-.05310	-.00200	-.00670
.600	3.000	1.96420	.09480	.07810	.13830	-.07320	-.00360	-.00900
.600	4.000	1.96290	.09800	.07770	.13080	-.09440	-.00490	-.01130
.600	6.000	1.95940	.10570	.07620	.11680	-.13700	-.00760	-.01570
.600	8.000	1.95610	.11270	.07450	.11150	-.17600	-.01120	-.01920
.600	10.000	1.95300	.11950	.07360	.10420	-.21210	-.01550	-.02210
.600	12.000	1.94750	.12680	.07410	.08460	-.25040	-.01910	-.02510
GRADIENT		-.00044	.00075	.00022	-.00144	-.02055	-.00126	-.00252

RUN NO 416/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	1.95920	.10560	.08330	.12270	.23430	.01920	.02150
.700	-10.000	1.95630	.10260	.08130	.13010	.19910	.01460	.01920
.700	-8.000	1.95840	.09920	.08140	.13400	.16190	.01090	.01620
.700	-6.000	1.96170	.09300	.08210	.13820	.12090	.00770	.01250
.700	-4.000	1.96440	.08490	.08250	.14520	.07660	.00490	.00820
.700	-3.000	1.96520	.08090	.08200	.15100	.05380	.00360	.00590
.700	-2.000	1.96590	.07820	.08110	.15720	.03100	.00260	.00350
.700	-1.000	1.96580	.07810	.08050	.16110	.00890	.00170	.00100
.700	.000	1.96530	.07970	.08080	.16100	-.01270	.00080	-.00150
.700	1.000	1.96500	.08100	.08180	.15610	-.03430	-.00010	-.00390
.700	2.000	1.96400	.08240	.08300	.14970	-.05650	-.00130	-.00630
.700	3.000	1.96250	.08490	.08370	.14430	-.07890	-.00260	-.00870
.700	4.000	1.96110	.08900	.08370	.13820	-.10140	-.00390	-.01090
.700	6.000	1.95800	.09780	.08310	.12540	-.14470	-.00680	-.01500
.700	8.000	1.95350	.10380	.08310	.11540	-.18470	-.01040	-.01820
.700	10.000	1.94810	.10860	.08410	.10630	-.22190	-.01470	-.02090
.700	12.000	1.94310	.11950	.08530	.09140	-.25910	-.01910	-.02380
GRADIENT		-.00043	.00066	.00025	-.00113	-.02214	-.00106	-.00241



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38.2A)

(RGM102) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 424/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.83590	.50730	.08580	.01690	.20860	.01960	.03320
.150	-10.000	5.83590	.50570	.08810	.02340	.17100	.01700	.02790
.150	-8.000	5.83840	.49900	.09140	.03740	.12930	.01440	.02250
.150	-6.000	5.84180	.48930	.09350	.05840	.08980	.01140	.01670
.150	-4.000	5.84420	.48010	.09390	.07980	.05540	.00800	.01040
.150	-3.000	5.84520	.47760	.09390	.08490	.04050	.00610	.00750
.150	-2.000	5.84520	.47740	.09410	.08330	.02590	.00410	.00490
.150	-1.000	5.84470	.47890	.09420	.07690	.00990	.00220	.00200
.150	.000	5.84370	.48210	.09440	.07390	-.00730	.00040	-.00120
.150	1.000	5.84230	.48590	.09470	.06710	-.02500	-.00150	-.00450
.150	2.000	5.84130	.48650	.09470	.06130	-.04240	-.00340	-.00780
.150	3.000	5.84080	.48550	.09460	.05660	-.05980	-.00520	-.01060
.150	4.000	5.83940	.48750	.09460	.05010	-.07810	-.00700	-.01290
.150	6.000	5.83450	.49480	.09340	.03730	-.11750	-.01010	-.01730
.150	8.000	5.83110	.49650	.08990	.03350	-.15750	-.01290	-.02260
.150	10.000	5.83010	.49420	.08570	.03210	-.19610	-.01580	-.02860
.150	12.000	5.82960	.49530	.08510	.01490	-.23130	-.01880	-.03380
	GRADIENT	-.00071	.00131	.00011	-.00432	-.01677	-.00188	-.00299

RUN NO. 423/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.82030	.49820	.08200	.01180	.20880	.01860	.03060
.300	-10.000	5.82230	.49510	.08440	.01510	.17340	.01550	.02570
.300	-8.000	5.82620	.48620	.08500	.02150	.13220	.01300	.02120
.300	-6.000	5.83010	.47830	.08730	.03550	.09130	.01050	.01640
.300	-4.000	5.83200	.47450	.08950	.05370	.05440	.00750	.01090
.300	-3.000	5.83200	.47490	.08900	.06050	.03800	.00580	.00800
.300	-2.000	5.83200	.47590	.08930	.06330	.02280	.00380	.00500
.300	-1.000	5.83250	.47560	.08950	.06340	.00730	.00200	.00200
.300	.000	5.83300	.47440	.08970	.06100	-.00900	.00030	-.00110
.300	1.000	5.83350	.47460	.09010	.05650	-.02630	-.00140	-.00420
.300	2.000	5.83400	.47560	.09030	.05180	-.04400	-.00310	-.00740
.300	3.000	5.83300	.47850	.09030	.04520	-.06180	-.00480	-.01040
.300	4.000	5.83110	.48380	.09020	.03630	-.08000	-.00630	-.01290
.300	6.000	5.82620	.49520	.08930	.02000	-.11790	-.00920	-.01740
.300	8.000	5.82230	.50090	.08720	.01260	-.15620	-.01220	-.02230
.300	10.000	5.82030	.50050	.08440	.01100	-.19450	-.01530	-.02760
.300	12.000	5.82030	.49890	.08160	.00320	-.23280	-.01820	-.03260
	GRADIENT	.00007	.00077	.00022	-.00242	-.01674	-.00174	-.00302

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 KI FO H15 1A

(PLUS ORB TC5 AT38 2A)

(RGM102) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 422/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.81690	.49630	.08590	.01780	.21460	.01840	.03060
.500	-10.000	5.81980	.49160	.08590	.02580	.18190	.01450	.02680
.500	-8.000	5.82570	.48030	.08690	.03150	.14020	.01210	.02220
.500	-6.000	5.83010	.47090	.08840	.04020	.09840	.00960	.01690
.500	-4.000	5.83150	.46740	.08980	.05230	.06070	.00660	.01110
.500	-3.000	5.83200	.46770	.09030	.05830	.04360	.00490	.00800
.500	-2.000	5.83300	.46850	.09060	.06290	.02670	.00320	.00500
.500	-1.000	5.83300	.46970	.09090	.06480	.00910	.00170	.00180
.500	.000	5.83200	.47140	.09130	.06320	-.00900	.00040	-.00150
.500	1.000	5.83060	.47360	.09190	.05840	-.02780	-.00110	-.00490
.500	2.000	5.82960	.47540	.09230	.05330	-.04720	-.00260	-.00820
.500	3.000	5.82860	.47670	.09230	.04810	-.06670	-.00410	-.01120
.500	4.000	5.82760	.47880	.09200	.04140	-.08550	-.00570	-.01410
.500	6.000	5.82470	.48540	.09110	.02640	-.12380	-.00870	-.01910
.500	8.000	5.82230	.49290	.08980	.01570	-.16220	-.01200	-.02360
.500	10.000	5.81840	.49880	.08810	.01000	-.20120	-.01540	-.02800
.500	12.000	5.81300	.49950	.08600	.00610	-.24050	-.01860	-.03280
GRADIENT		-.00058	.00151	.00032	-.00166	-.01837	-.00151	-.00319

RUN NO. 421/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.81490	.50060	.09170	.02480	.21990	.01850	.03100
.600	-10.000	5.81880	.49680	.09100	.03830	.18550	.01440	.02710
.600	-8.000	5.82280	.48620	.09110	.04100	.14550	.01190	.02260
.600	-6.000	5.82520	.47850	.09190	.04410	.10390	.00950	.01730
.600	-4.000	5.82620	.47670	.09340	.05150	.06380	.00640	.01120
.600	-3.000	5.82670	.47720	.09390	.05560	.04500	.00470	.00810
.600	-2.000	5.82710	.47730	.09410	.05820	.02690	.00300	.00500
.600	-1.000	5.82710	.47710	.09410	.05940	.00850	.00170	.00180
.600	.000	5.82710	.47720	.09450	.05860	-.01020	.00050	-.00160
.600	1.000	5.82670	.47860	.09520	.05440	-.02970	-.00070	-.00500
.600	2.000	5.82570	.48030	.09590	.05010	-.05020	-.00210	-.00830
.600	3.000	5.82420	.48210	.09620	.04620	-.07090	-.00360	-.01140
.600	4.000	5.82280	.48470	.09610	.04120	-.09100	-.00510	-.01430
.600	6.000	5.82090	.49140	.09540	.03120	-.13000	-.00840	-.01940
.600	8.000	5.81840	.49780	.09520	.02520	-.16900	-.01180	-.02380
.600	10.000	5.81450	.50270	.09530	.02000	-.20820	-.01520	-.02790
.600	12.000	5.80910	.50530	.09440	.00830	-.24690	-.01830	-.03220
GRADIENT		-.00041	.00090	.00037	-.00161	-.01932	-.00139	-.00323

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

(PLUS ORB TC5 AT38.2A)

(RDM102) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1 000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7 850

RUN NO 420/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.81880	.50040	.10640	.04390	.23350	.01900	.02850
.700	-10.000	5.81840	.48580	.10570	.05990	.19640	.01480	.02490
.700	-8.000	5.82080	.48700	.10570	.06050	.15520	.01170	.02070
.700	-6.000	5.82320	.48090	.10650	.05560	.11230	.00890	.01590
.700	-4.000	5.82370	.47980	.10760	.05000	.06980	.00610	.01040
.700	-3.000	5.82320	.48030	.10780	.04710	.04960	.00460	.00760
.700	-2.000	5.82280	.48070	.10740	.04330	.03010	.00300	.00480
.700	-1.000	5.82180	.48150	.10730	.03910	.01030	.00170	.00170
.700	.000	5.82130	.48230	.10780	.03680	-.00990	.00040	-.00140
.700	1.000	5.82180	.48200	.10850	.03780	-.03070	-.00100	-.00450
.700	2.000	5.82230	.48120	.10890	.04030	-.05230	-.00220	-.00760
.700	3.000	5.82130	.48120	.10910	.04220	-.07400	-.00340	-.01050
.700	4.000	5.82030	.48280	.10910	.04250	-.09530	-.00490	-.01310
.700	6.000	5.81840	.48830	.10880	.04130	-.13650	-.00840	-.01780
.700	8.000	5.81400	.49430	.10880	.03970	-.17640	-.01230	-.02200
.700	10.000	5.80760	.50010	.10890	.03490	-.21640	-.01600	-.02600
.700	12.000	5.80270	.50760	.10860	.01900	-.25970	-.01890	-.03020
	GRADIENT	-.00034	.00027	.00023	-.00087	-.02062	-.00135	-.00299

CAS K1 F0 H15.1A

(PLUS. ORB TC5 AT3B 2A)

(RGM103) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN ZC
 SCALE = 0300

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 429/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.80620	.59220	.08650	-.10100	.18890	.02110	.03240
.150	-10.000	5.80660	.59370	.08910	-.09520	.15240	.01950	.02700
.150	-8.000	5.80860	.58420	.09160	-.08070	.10990	.01580	.02140
.150	-6.000	5.81200	.57160	.09270	-.05960	.07060	.01280	.01560
.150	-4.000	5.81540	.56190	.09230	-.03930	.03760	.00940	.00940
.150	-3.000	5.81640	.55970	.09190	-.03490	.02230	.00750	.00640
.150	-2.000	5.81690	.55980	.09180	-.03660	.00630	.00540	.00340
.150	-1.000	5.81640	.56130	.09170	-.04060	-.00990	.00350	.00050
.150	.000	5.81490	.56280	.09180	-.04540	-.02550	.00160	-.00250
.150	1.000	5.81400	.56350	.09200	-.05080	-.04120	-.00040	-.00570
.150	2.000	5.81400	.56290	.09180	-.05670	-.05750	-.00240	-.00890
.150	3.000	5.81400	.56280	.09140	-.06390	-.07480	-.00440	-.01180
.150	4.000	5.81300	.56520	.09080	-.07120	-.09380	-.00610	-.01430
.150	6.000	5.80860	.57180	.08920	-.07950	-.13340	-.00890	-.01910
.150	8.000	5.80470	.57370	.08600	-.07880	-.17150	-.01180	-.02410
.150	10.000	5.80220	.57170	.08220	-.07830	-.20790	-.01490	-.02960
.150	12.000	5.80270	.57170	.07980	-.09770	-.24600	-.01830	-.03550
GRADIENT		-.00042	.00052	-.00011	-.00442	-.01626	-.00195	-.00300

RUN NO. 428/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.80710	.53440	.08460	-.07800	.20730	.01930	.03110
.300	-10.000	5.81010	.52940	.08650	-.07290	.16940	.01600	.02600
.300	-8.000	5.81490	.51960	.08820	-.06540	.12860	.01340	.02140
.300	-6.000	5.81880	.51070	.08940	-.05220	.08870	.01080	.01650
.300	-4.000	5.82130	.50600	.09020	-.03600	.05190	.00770	.01090
.300	-3.000	5.82180	.50640	.09050	-.02980	.03530	.00600	.00790
.300	-2.000	5.82180	.50800	.09080	-.02700	.01980	.00410	.00490
.300	-1.000	5.82230	.50830	.09100	-.02690	.00380	.00230	.00180
.300	.000	5.82230	.50790	.09120	-.02870	-.01220	.00050	-.00140
.300	1.000	5.82180	.50860	.09140	-.03220	-.02860	-.00130	-.00460
.300	2.000	5.82180	.51030	.09160	-.03700	-.04600	-.00300	-.00780
.300	3.000	5.82080	.51360	.09170	-.04400	-.06440	-.00460	-.01090
.300	4.000	5.81880	.51920	.09170	-.05310	-.08340	-.00620	-.01350
.300	6.000	5.81350	.53080	.09090	-.06950	-.12180	-.00930	-.01830
.300	8.000	5.80860	.53640	.08950	-.07690	-.16000	-.01230	-.02320
.300	10.000	5.80710	.53590	.08530	-.07870	-.19790	-.01530	-.02840
.300	12.000	5.80860	.53570	.08300	-.08710	-.23690	-.01820	-.03350
GRADIENT		-.00023	.00132	.00019	-.00227	-.01673	-.00175	-.00310

CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38.2A)

(RCM103) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 ELV-18 = 000 ELV-08 = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7 850

RUN NO. 427/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.80620	.52450	.08800	-.06870	.21340	.01840	.03110
.500	-10.000	5.81100	.51860	.08780	-.06030	.18020	.01450	.02710
.500	-8.000	5.81540	.50740	.08900	-.05330	.13900	.01220	.02250
.500	-6.000	5.81880	.49880	.09060	-.04370	.09760	.00980	.01720
.500	-4.000	5.82080	.49610	.09200	-.03150	.05970	.00680	.01130
.500	-3.000	5.82130	.49630	.09250	-.02570	.04200	.00500	.00810
.500	-2.000	5.82230	.49680	.09280	-.02140	.02470	.00340	.00500
.500	-1.000	5.82280	.49740	.09300	-.01940	.00700	.00190	.00170
.500	.000	5.82230	.49910	.09330	-.02050	-.01100	.00050	-.00170
.500	1.000	5.82080	.50170	.09380	-.02530	-.02920	-.00090	-.00500
.500	2.000	5.81980	.50340	.09430	-.03070	-.04800	-.00240	-.00830
.500	3.000	5.81930	.50410	.09440	-.03600	-.06720	-.00400	-.01150
.500	4.000	5.81840	.50580	.09420	-.04300	-.08650	-.00550	-.01440
.500	6.000	5.81540	.51280	.09310	-.05930	-.12530	-.00850	-.01970
.500	8.000	5.81100	.52080	.09150	-.07200	-.16390	-.01180	-.02420
.500	10.000	5.80660	.52700	.08970	-.07900	-.20230	-.01530	-.02850
.500	12.000	5.80370	.52860	.08770	-.08150	-.24160	-.01860	-.03350
	GRADIENT	-.00038	.00133	.00030	-.00169	-.01823	-.00151	-.00325

RUN NO 426/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.80660	.52530	.09380	-.06120	.21960	.01840	.03150
.600	-10.000	5.80860	.52260	.09280	-.04640	.18560	.01410	.02750
.600	-8.000	5.81250	.51060	.09300	-.04200	.14480	.01180	.02290
.600	-6.000	5.81590	.50150	.09420	-.03740	.10290	.00940	.01750
.600	-4.000	5.81740	.49960	.09570	-.02910	.06310	.00640	.01150
.600	-3.000	5.81790	.50040	.09620	-.02440	.04460	.00470	.00830
.600	-2.000	5.81840	.50060	.09650	-.02080	.02670	.00310	.00520
.600	-1.000	5.81880	.50030	.09660	-.01920	.00840	.00170	.00190
.600	.000	5.81880	.50060	.09680	-.02060	-.01050	.00060	-.00160
.600	1.000	5.81790	.50230	.09740	-.02530	-.03000	-.00050	-.00510
.600	2.000	5.81640	.50390	.09790	-.02940	-.05010	-.00190	-.00840
.600	3.000	5.81540	.50520	.09820	-.03350	-.07040	-.00330	-.01150
.600	4.000	5.81450	.50780	.09820	-.03990	-.09070	-.00490	-.01450
.600	6.000	5.81200	.51480	.09760	-.05260	-.13070	-.00810	-.01990
.600	8.000	5.80710	.52210	.09700	-.06110	-.16960	-.01150	-.02450
.600	10.000	5.80270	.52780	.09650	-.06760	-.20820	-.01480	-.02860
.600	12.000	5.80080	.53070	.09620	-.08080	-.24820	-.01810	-.03300
	GRADIENT	-.00040	.00093	.00033	-.00156	-.01920	-.00136	-.00329

CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38.2A)

(RGM103) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7.850

RUN NO. 425/ 0 RN/L = 3 61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.80320	.52300	.10810	-.04230	.23450	.01860	.02890
.700	-10.000	5.80810	.51920	.10710	-.02860	.19690	.01430	.02530
.700	-8.000	5.81350	.50980	.10720	-.02250	.15640	.01130	.02120
.700	-6.000	5.81590	.50260	.10800	-.02200	.11360	.00860	.01640
.700	-4.000	5.81590	.50060	.10910	-.02530	.07030	.00580	.01090
.700	-3.000	5.81540	.50110	.10930	-.02790	.04940	.00430	.00790
.700	-2.000	5.81450	.50210	.10910	-.03090	.02940	.00300	.00480
.700	-1.000	5.81450	.50350	.10910	-.03390	.00970	.00170	.00160
.700	.000	5.81450	.50450	.10950	-.03570	-.01030	.00050	-.00160
.700	1.000	5.81350	.50400	.11000	-.03560	-.03130	-.00080	-.00490
.700	2.000	5.81300	.50320	.11050	-.03440	-.05310	-.00200	-.00810
.700	3.000	5.81250	.50350	.11060	-.03390	-.07480	-.00310	-.01100
.700	4.000	5.81200	.50540	.11040	-.03530	-.09600	-.00450	-.01370
.700	5.000	5.80810	.51200	.10990	-.04110	-.13690	-.00790	-.01840
.700	6.000	5.80270	.51870	.11000	-.04770	-.17700	-.01170	-.02250
.700	8.000	5.79740	.52480	.11050	-.05640	-.21720	-.01530	-.02650
.700	10.000	5.79440	.53100	.11000	-.07250	-.25970	-.01830	-.03060
.700	12.000	5.79440	.53100	.11000	-.07250	-.25970	-.01830	-.03060
GRADIENT		-.00047	.00048	.00021	-.00111	-.02073	-.00126	-.00312

CA5 KI F0 H15.1A

(PLUS. ORB TCS AT38.3)

(RGM104) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 2 000 STAB = -2 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 IORB = 4.000

RUN NO. 435/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	CL	CD	CLM	CY	CLN	CSL
300	-12.000	1.91240	.17830	.04320	.00920	.21710	.02320	.02490
300	-10.000	1.91300	.17490	.04470	.00750	.18140	.01900	.02200
.300	-8.000	1.91500	.17290	.04700	.01080	.14450	.01540	.01820
300	-6.000	1.91770	.16920	.04980	.01690	.10590	.01180	.01380
300	-4.000	1.92000	.16420	.05250	.02270	.06660	.00790	.00910
.300	-3.000	1.92050	.16280	.05380	.02370	.04690	.00600	.00680
.300	-2.000	1.92040	.16350	.05490	.02250	.02760	.00400	.00440
.300	-1.000	1.92000	.16560	.05550	.02020	.00960	.00200	.00210
.300	0.000	1.91980	.16760	.05560	.01860	-.00740	-.00030	-.00020
.300	1.000	1.91930	.16870	.05550	.01730	-.02520	-.00250	-.00250
.300	2.000	1.91870	.16930	.05510	.01520	-.04470	-.00470	-.00490
300	3.000	1.91780	.17000	.05430	.01220	-.06540	-.00670	-.00730
.300	4.000	1.91690	.17140	.05310	.00950	-.08630	-.00830	-.00970
.300	6.000	1.91530	.17490	.04990	.00550	-.12720	-.01120	-.01420
.300	8.000	1.91310	.17720	.04680	.00200	-.16790	-.01450	-.01850
300	10.000	1.90980	.17950	.04420	-.00100	-.20830	-.01840	-.02220
.300	12.000	1.90440	.18650	.04180	-.00350	-.24840	-.02220	-.02510
	GRADIENT	-.00041	.00109	.00007	-.00175	-.01880	-.00208	-.00234

RUN NO 434/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	CL	CD	CLM	CY	CLN	CSL
500	-12.000	1.91360	.18350	.04490	.00640	.22370	.02330	.02460
.500	-10.000	1.91630	.17850	.04590	.00480	.18830	.01850	.02210
500	-8.000	1.91800	.17640	.04820	.00390	.15180	.01480	.01850
.500	-6.000	1.91940	.17440	.05080	.00620	.11240	.01120	.01410
.500	-4.000	1.92070	.17150	.05320	.01110	.07080	.00750	.00940
.500	-3.000	1.92110	.17060	.05430	.01370	.04940	.00560	.00690
.500	-2.000	1.92130	.17060	.05520	.01540	.02840	.00380	.00450
.500	-1.000	1.92100	.17100	.05580	.01520	.00900	.00200	.00190
.500	0.000	1.92090	.17140	.05610	.01270	-.00920	.00000	-.00060
500	1.000	1.92090	.17290	.05610	.00830	-.02890	-.00210	-.00320
500	2.000	1.92030	.17490	.05570	.00330	-.05000	-.00410	-.00580
.500	3.000	1.91910	.17710	.05500	-.00060	-.07190	-.00600	-.00820
.500	4.000	1.91760	.17970	.05390	-.00330	-.09420	-.00750	-.01060
.500	6.000	1.91460	.18480	.05120	-.00710	-.13720	-.01050	-.01500
.500	8.000	1.91210	.18800	.04860	-.01070	-.17670	-.01460	-.01870
.500	10.000	1.91020	.19040	.04660	-.01470	-.21380	-.01940	-.02180
500	12.000	1.90840	.19550	.04550	-.01820	-.25260	-.02360	-.02500
	GRADIENT	-.00034	.00105	.00010	-.00219	-.02031	-.00191	-.00252

CA5 K1 F0 H15 1A

(PLUS ORB TCS AT38 3)

(RGM104) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = .5500.0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

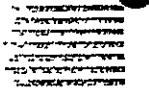
ALPHA1 = 2.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO 433/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	1.90970	.18120	.04730	.00920	.22950	.02350	.02470
.600	-10.000	1.91060	.17920	.04790	.00770	.19270	.01880	.02200
.600	-8.000	1.91280	.17430	.04980	.00650	.15600	.01480	.01870
.600	-6.000	1.91440	.17030	.05220	.00780	.11630	.01100	.01460
.600	-4.000	1.91480	.16860	.05430	.01150	.07350	.00720	.00980
.600	-3.000	1.91480	.16840	.05500	.01370	.05150	.00530	.00720
.600	-2.000	1.91490	.16840	.05540	.01510	.02990	.00360	.00460
.600	-1.000	1.91540	.16830	.05570	.01540	.00920	.00190	.00200
.600	.000	1.91530	.16860	.05600	.01460	-.01060	.00010	-.00070
.600	1.000	1.91390	.17020	.05620	.01130	-.03110	-.00180	-.00330
.600	2.000	1.91280	.17250	.05600	.00600	-.05290	-.00370	-.00580
.600	3.000	1.91210	.17490	.05540	.00090	-.07540	-.00540	-.00830
.600	4.000	1.91130	.17760	.05460	-.00360	-.09840	-.00690	-.01090
.600	6.000	1.90910	.18300	.05270	-.01030	-.14200	-.01010	-.01560
.600	8.000	1.90670	.18620	.05050	-.01340	-.17980	-.01460	-.01900
.600	10.000	1.90410	.18850	.04870	-.01440	-.21520	-.01980	-.02160
.600	12.000	1.90100	.19380	.04790	-.01790	-.25860	-.02340	-.02540
GRADIENT	-.00046	.00109	.00007	-.00202	-.02124	-.00178	-.00259	

RUN NO. 432/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	1.90170	.18590	.05090	.01540	.23500	.02370	.02480
.700	-10.000	1.90200	.18730	.05020	.00580	.19880	.01880	.02230
.700	-8.000	1.90230	.18350	.05100	.00630	.16300	.01430	.01910
.700	-6.000	1.90380	.17740	.05290	.00880	.12290	.01020	.01500
.700	-4.000	1.90610	.17120	.05490	.01050	.07830	.00660	.01020
.700	-3.000	1.90710	.16870	.05560	.01210	.05470	.00500	.00750
.700	-2.000	1.90780	.18710	.05590	.01480	.03120	.00350	.00480
.700	-1.000	1.90710	.18740	.05590	.01810	.00840	.00180	.00210
.700	.000	1.90650	.18850	.05600	.01980	-.01080	.00010	-.00060
.700	1.000	1.90510	.17010	.05630	.01530	-.03230	-.00160	-.00330
.700	2.000	1.90530	.17140	.05650	.00870	-.05570	-.00310	-.00600
.700	3.000	1.90380	.17310	.05620	.00330	-.08010	-.00450	-.00870
.700	4.000	1.90170	.17690	.05550	-.00240	-.10420	-.00600	-.01130
.700	6.000	1.89770	.18860	.05400	-.01380	-.14790	-.00940	-.01590
.700	8.000	1.89600	.19170	.05280	-.02050	-.18610	-.01410	-.01930
.700	10.000	1.89510	.19330	.05230	-.02210	-.22250	-.01940	-.02220
.700	12.000	1.89980	.19940	.05240	-.02150	-.26570	-.02360	-.02550
GRADIENT	-.00055	.00079	.00010	-.00155	-.02250	-.00159	-.00269	



CAS K1 F0 H15.1A

(PLUS ORB TC5 AT38 3)

(RGM105) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 440/ 0 RN/L = 1.00 GRADIENT INTERVAL = ~5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.81450	.56270	.06050	-.08910	.19950	.02390	.03630
.150	-10.000	5.81790	.56070	.06290	-.07980	.16030	.02050	.03100
150	-8.000	5.81880	.55610	.06550	-.06590	.11970	.01720	.02480
150	-6.000	5.81930	.55230	.06740	-.05390	.08150	.01380	.01810
.150	-4.000	5.81880	.55110	.06840	-.04870	.04740	.01010	.01120
.150	-3.000	5.81790	.55160	.06860	-.05100	.03120	.00790	.00800
.150	-2.000	5.81640	.55290	.06880	-.05680	.01510	.00560	.00520
.150	-1.000	5.81540	.55510	.06910	-.06340	-.00090	.00300	.00240
.150	.000	5.81450	.55700	.06950	-.06720	-.01690	.00040	-.00070
.150	1.000	5.81450	.55740	.06950	-.06770	-.03360	-.00210	-.00390
.150	2.000	5.81450	.55650	.06910	-.06860	-.05130	-.00440	-.00700
.150	3.000	5.81400	.55440	.06830	-.07060	-.07010	-.00650	-.01010
150	4.000	5.81400	.55210	.06710	-.07100	-.08550	-.00840	-.01310
.150	6.000	5.81250	.54930	.06410	-.06900	-.12690	-.01150	-.01910
.150	8.000	5.81010	.54970	.06060	-.06950	-.16650	-.01440	-.02500
.150	10.000	5.80760	.55110	.05750	-.07410	-.20790	-.01770	-.03050
.150	12.000	5.80710	.54800	.05570	-.08250	-.24740	-.02200	-.03540
GRADIENT		-.00059	.00037	-.00008	-.00293	-.01695	-.00237	-.00304

RUN NO 439/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79830	.54680	.05770	-.07820	.21070	.02240	.03430
.300	-10.000	5.79930	.54550	.05970	-.07400	.17330	.01840	.02980
.300	-8.000	5.80270	.54230	.06110	-.07000	.13420	.01530	.02430
300	-6.000	5.80470	.54190	.06280	-.06720	.09420	.01250	.01820
.300	-4.000	5.80370	.54570	.06480	-.06650	.05630	.00930	.01180
.300	-3.000	5.80320	.54870	.06590	-.06720	.03690	.00740	.00870
.300	-2.000	5.80220	.55170	.06670	-.06890	.01980	.00510	.00570
.300	-1.000	5.80180	.55320	.06710	-.07100	.00420	.00260	.00270
.300	.000	5.80180	.55350	.06720	-.07300	-.01070	-.00010	-.00040
.300	1.000	5.80130	.55370	.06700	-.07420	-.02680	-.00270	-.00350
300	2.000	5.80080	.55430	.06680	-.07510	-.04470	-.00500	-.00660
.300	3.000	5.80080	.55520	.06640	-.07610	-.06390	-.00690	-.00970
300	4.000	5.79930	.55680	.06560	-.07720	-.08420	-.00840	-.01290
.300	6.000	5.79640	.55880	.06330	-.08030	-.12550	-.01120	-.01920
.300	8.000	5.79490	.55790	.06120	-.08480	-.16510	-.01440	-.02490
.300	10.000	5.79490	.55620	.05920	-.08950	-.20340	-.01820	-.02990
300	12.000	5.79350	.55940	.05660	-.09190	-.24370	-.02190	-.03450
GRADIENT		-.00047	.00116	.00008	-.00142	-.01701	-.00232	-.00308

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38 3)

(RGM105) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

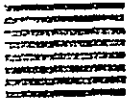
ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 436/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
500	-12.000	5.79390	.54920	.05940	-.07450	.21690	.02240	.03370
500	-10.000	5.79490	.54970	.05960	-.07160	.18180	.01780	.02990
.500	-8.000	5.79740	.54790	.06090	-.06750	.14230	.01470	.02460
.500	-6.000	5.79880	.54740	.06290	-.06650	.10110	.01190	.01850
.500	-4.000	5.79880	.54970	.06510	-.06930	.06090	.00870	.01210
.500	-3.000	5.79790	.55210	.06610	-.07080	.04200	.00680	.00890
.500	-2.000	5.79640	.55490	.06680	-.07120	.02420	.00450	.00580
.500	-1.000	5.79540	.55740	.06720	-.07090	.00720	.00220	.00250
500	.000	5.79490	.55900	.06740	-.07120	-.00960	-.00020	-.00080
.500	1.000	5.79490	.56010	.06750	-.07310	-.02750	-.00250	-.00410
.500	2.000	5.79440	.56020	.06740	-.07530	-.04660	-.00460	-.00730
.500	3.000	5.79350	.55980	.06710	-.07650	-.06660	-.00650	-.01040
500	4.000	5.79250	.55960	.06650	-.07750	-.08740	-.00800	-.01370
.500	6.000	5.78960	.55940	.06460	-.08070	-.12920	-.01100	-.02000
500	8.000	5.78910	.55820	.06260	-.08660	-.16870	-.01460	-.02540
.500	10.000	5.78960	.55660	.06110	-.09230	-.20660	-.01880	-.03010
.500	12.000	5.78760	.55690	.06030	-.09100	-.24650	-.02280	-.03460
GRADIENT		-.00071	.00127	.00017	-.00101	-.01825	-.00216	-.00323

RUN NO. 437/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.78520	.55810	.06240	-.06680	.22070	.02270	.03440
.600	-10.000	5.78470	.56160	.06180	-.06450	.18550	.01800	.03040
.600	-8.000	5.78860	.55830	.06280	-.06080	.14670	.01460	.02540
.600	-6.000	5.79000	.55660	.06470	-.06120	.10560	.01160	.01940
.600	-4.000	5.78910	.55940	.06670	-.06580	.06450	.00840	.01270
.600	-3.000	5.78760	.56200	.06750	-.06760	.04460	.00650	.00930
.600	-2.000	5.78660	.56420	.06810	-.06780	.02570	.00430	.00600
.600	-1.000	5.78660	.56520	.06840	-.06780	.00830	.00210	.00260
.600	.000	5.78760	.56540	.06860	-.06940	-.00890	-.00010	-.00090
.600	1.000	5.78760	.56580	.06880	-.07230	-.02810	-.00220	-.00450
.600	2.000	5.78610	.56660	.06980	-.07520	-.04880	-.00420	-.00800
.600	3.000	5.78420	.56700	.06860	-.07660	-.07020	-.00600	-.01120
.600	4.000	5.78320	.56770	.06820	-.07720	-.09190	-.00760	-.01440
.600	6.000	5.78220	.56890	.06690	-.07840	-.13350	-.01100	-.02070
.600	8.000	5.78170	.56870	.06520	-.08150	-.17190	-.01500	-.02600
.600	10.000	5.78080	.56730	.06390	-.08640	-.20950	-.01910	-.03060
.600	12.000	5.77780	.56600	.06390	-.09000	-.25200	-.02280	-.03540
GRADIENT		-.00056	.00089	.00018	-.00153	-.01926	-.00205	-.00342



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 135

CA5 KI F0 H15 1A

(PLUS ORB TC5 AT3B 3)

(RGM105) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 ELV-1B = 000 ELV-CB = 3 000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 1ORB = 4.000

RUN NO 436/ 0 RN/L = 3 55 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12 000	5.77830	.57920	.06990	-.05300	.23180	02260	03580
.700	-10.000	5.77730	.58530	.06800	-.06030	.19500	.01780	.03160
.700	-8.000	5.77730	.58180	.06750	-.05590	.15570	01410	02650
.700	-6 000	5.77730	.57810	.06840	-.05260	.11400	.01080	02040
.700	-4 000	5.77690	.57780	.07020	-.05470	07100	00740	01350
.700	-3 000	5.77730	.57850	.07070	-.05590	04960	00560	00990
.700	-2 000	5.77780	.57920	.07080	-.05580	02880	.00370	.00630
.700	-1 000	5.77830	.57920	.07080	-.05590	.00930	.00190	00270
.700	000	5.77880	.57900	.07100	-.05830	- 00940	.00010	- 00100
.700	1.000	5.77830	.58000	.07160	-.06420	-.02970	- 00170	- 00470
.700	2 000	5.77730	.58090	.07210	-.06900	-.05190	-.00350	- 00840
.700	3 000	5.77840	.58170	07200	-.07020	- 07470	-.00510	- 01190
.700	4.000	5.77690	.58360	07180	- 07120	- 09660	-.00680	- 01530
.700	6.000	5.77490	.58770	07120	-.07540	-.13780	- 01060	- 02160
.700	8.000	5.77340	.58760	.07060	- 07920	- 17760	-.01470	- 02700
.700	10 000	5.77100	.58490	.07060	-.08200	-.21770	-.01910	- 03170
.700	12 000	5.76900	.58710	.07140	-.09300	-.26020	-.02290	-.03620
GRADIENT		-.00013	.00062	.00023	-.00239	- 02073	-.00178	-.00362

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.1A

(FLUS. ORB TCS AT3B 3)

(RGM106) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.6000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8 000 STAB = -2.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 10RB = 4 000

RUN NO. 444/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
300	-12.000	7.74950	.70310	.07360	-.10980	.20960	.02160	.03880
300	-10.000	7.74850	.70340	.07450	-.10540	.17100	.01780	.03380
300	-8.000	7.75000	.70360	.07550	-.10100	.13300	.01460	.02770
300	-6.000	7.75100	.70340	.07660	-.09650	.09490	.01170	.02080
300	-4.000	7.75050	.70390	.07860	-.09290	.05770	.00850	.01350
300	-3.000	7.74850	.70620	.07950	-.09220	.03980	.00670	.00980
.300	-2.000	7.74660	.71000	.08030	-.09300	.02320	.00460	.00620
.300	-1.000	7.74460	.71310	.08080	-.09530	.00810	.00210	.00260
300	.000	7.74410	.71360	.08090	-.09790	-.00620	-.00040	-.00100
.300	1.000	7.74510	.71220	.08070	-.09930	-.02220	-.00270	-.00470
300	2.000	7.74610	.71090	.08050	-.10070	-.04010	-.00490	-.00830
300	3.000	7.74710	.71060	.08030	-.10240	-.05930	-.00670	-.01180
.300	4.000	7.74660	.71090	.07990	-.10350	-.07880	-.00840	-.01530
.300	6.000	7.74460	.71110	.07840	-.10560	-.11750	-.01130	-.02220
300	8.000	7.74320	.71000	.07640	-.11010	-.15670	-.01430	-.02880
300	10.000	7.74320	.70780	.07430	-.11600	-.19630	-.01760	-.03460
300	12.000	7.74560	.70700	.07360	-.11910	-.23670	-.02140	-.03960
	GRADIENT	-.00034	.00070	.00013	-.00154	-.01667	-.00220	-.00360

RUN NO. 443/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	7.74320	.72750	.07650	-.10430	.21380	.02190	.03920
.500	-10.000	7.74220	.72980	.07770	-.10190	.17720	.01750	.03470
.500	-8.000	7.74320	.72880	.07870	-.10050	.13860	.01430	.02870
.500	-6.000	7.74410	.72870	.08020	-.09850	.09890	.01140	.02160
.500	-4.000	7.74370	.73130	.08160	-.09650	.06000	.00830	.01410
.500	-3.000	7.74220	.73350	.08210	-.09620	.04130	.00650	.01030
.500	-2.000	7.74020	.73510	.08260	-.09690	.02360	.00440	.00650
.500	-1.000	7.73930	.73830	.08290	-.09910	.00720	.00220	.00270
.500	.000	7.73930	.73990	.08320	-.10170	-.00860	-.00010	-.00120
.500	1.000	7.73970	.74090	.08350	-.10310	-.02580	-.00230	-.00510
.500	2.000	7.73930	.74060	.08360	-.10390	-.04440	-.00440	-.00890
.500	3.000	7.73830	.73960	.08350	-.10550	-.06380	-.00640	-.01270
.500	4.000	7.73730	.73900	.08320	-.10740	-.08380	-.00810	-.01640
.500	6.000	7.73580	.73860	.08190	-.11100	-.12390	-.01120	-.02340
.500	8.000	7.73390	.73690	.08040	-.11450	-.16320	-.01460	-.02970
.500	10.000	7.73240	.73450	.07950	-.11870	-.20200	-.01840	-.03520
.500	12.000	7.73240	.73330	.08010	-.12620	-.24230	-.02220	-.04060
	GRADIENT	-.00064	.00101	.00022	-.00149	-.01766	-.00211	-.00383

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TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

(PLUS. ORB TC5 AT38.3)

(RGM106) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

ALPHA1 = 8.000 STAB = -2.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 10RB = 4 000

RUN NO 442/ 0 RN/L = 3 24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	7.73100	.74230	.08570	-.09760	.21840	.02210	.03980
.600	-10.000	7.73340	.74730	.08440	-.09930	.18300	.01750	.03530
.600	-8.000	7.73490	.74660	.08450	-.09410	.14420	.01410	.02910
.600	-6.000	7.73630	.74500	.08530	-.08910	.10400	.01110	.02190
.600	-4.000	7.73680	.74480	.08650	-.08760	.06450	.00790	.01420
.600	-3.000	7.73630	.74570	.08710	-.08830	.04540	.00600	.01030
.600	-2.000	7.73490	.74720	.08770	-.08920	.02690	.00400	.00630
.600	-1.000	7.73390	.74830	.08810	-.08960	.00940	.00190	.00240
.600	.000	7.73490	.74890	.08850	-.09090	-.00780	-.00010	-.00140
.600	1.000	7.73630	.75010	.08970	-.09370	-.02610	-.00210	-.00520
.600	2.000	7.73580	.75110	.08980	-.09660	-.04590	-.00420	-.00900
.600	3.000	7.73390	.75210	.08880	-.09880	-.06650	-.00610	-.01290
.600	4.000	7.73190	.75350	.08840	-.10000	-.08710	-.00780	-.01670
.600	6.000	7.73000	.75540	.08730	-.10220	-.12730	-.01110	-.02390
.600	8.000	7.72850	.75370	.08600	-.10810	-.16630	-.01470	-.03030
.600	10.000	7.72750	.75040	.08560	-.11640	-.20480	-.01860	-.03580
.600	12.000	7.72560	.75160	.08720	-.12140	-.24530	-.02220	-.04100
GRADIENT	-	.00038	.00106	.00026	-.00167	-.01872	-.00199	-.00386

RUN NO 441/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	7.72360	.76140	.09940	-.08990	.23150	.02120	.03960
.700	-10.000	7.72270	.76670	.09780	-.09120	.19040	.01730	.03430
.700	-8.000	7.72510	.76490	.09700	-.08070	.15140	.01400	.02860
.700	-6.000	7.72710	.76290	.09740	-.07400	.11120	.01080	.02200
.700	-4.000	7.72750	.76370	.09870	-.07530	.06980	.00740	.01440
.700	-3.000	7.72800	.76460	.09920	-.07640	.04900	.00560	.01050
.700	-2.000	7.72900	.76530	.09940	-.07550	.02880	.00370	.00670
.700	-1.000	7.72950	.76590	.09960	-.07420	.00990	.00200	.00290
.700	.000	7.72900	.76690	.09990	-.07480	-.00830	.00030	-.00080
.700	1.000	7.72850	.76830	.10030	-.07970	-.02770	-.00160	-.00460
.700	2.000	7.72660	.76930	.10050	-.08490	-.04890	-.00340	-.00830
.700	3.000	7.72560	.76890	.10040	-.08650	-.07070	-.00510	-.01210
.700	4.000	7.72610	.76850	.10030	-.08790	-.09160	-.00700	-.01590
.700	6.000	7.72510	.76960	.10030	-.09370	-.13120	-.01080	-.02280
.700	8.000	7.71870	.77140	.10030	-.09980	-.17150	-.01450	-.02870
.700	10.000	7.72310	.77050	.10050	-.10470	-.21390	-.01790	-.03370
.700	12.000	7.77340	.76170	.10240	-.10730	-.25850	-.02110	-.03910
GRADIENT	-	.00031	.00071	.00022	-.00175	-.01996	-.00179	-.00377

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 OF POOR QUALITY

CAS K1 F0

V9.1 (PLUS. ORB TC5 AT38.3)

(RGM107) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 4.000

RUN NO. 449/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.05350	-.17960	.06360	-.02150	-.00900	.00010	.00060
.150	-1.000	-.05330	-.09280	.05770	-.00860	-.00470	-.00030	.00050
.150	.000	-.05540	.00280	.05450	-.00820	-.00510	-.00020	.00030
.150	1.000	-.05680	.09340	.05320	-.00740	-.00590	-.00020	.00020
.150	2.000	-.06050	.18000	.05310	-.00620	-.00580	-.00040	.00000
.150	3.000	-.05570	.26460	.05410	-.00450	-.00550	-.00050	-.00020
.150	4.000	-.04950	.34790	.05600	-.00190	-.00640	-.00020	-.00050
.150	5.000	-.05010	.43080	.05910	.00220	-.00660	.00010	-.00060
.150	6.000	-.05340	.51430	.06360	.00770	-.00640	.00040	-.00060
.150	7.000	-.05320	.59970	.06860	.01270	-.00850	.00060	-.00070
.150	8.000	-.05220	.68380	.07680	.01590	-.01010	.00060	-.00050
.150	9.000	-.05390	.76290	.08540	.01970	-.01000	.00070	-.00040
.150	10.000	-.05710	.83630	.09870	.02620	-.00930	.00090	-.00020
.150	11.000	-.06010	.90650	.11660	.03230	-.00910	.00110	.00010
.150	12.000	-.06090	.97320	.14280	.03600	-.00900	.00150	.00000
	GRADIENT	.00045	.08748	-.00049	.00252	.00009	-.00001	-.00018

RUN NO 448/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.05270	-.19110	.06790	-.02680	-.01040	.00050	.00020
.300	-1.000	-.05110	-.09170	.06060	-.02150	-.00900	.00030	.00030
.300	.000	-.05230	.00470	.05650	-.01760	-.00780	.00010	.00030
.300	1.000	-.05290	.09240	.05500	-.01470	-.00730	.00000	.00010
.300	2.000	-.04940	.17940	.05480	-.01220	-.00790	.00020	.00000
.300	3.000	-.04720	.26700	.05540	-.00970	-.00900	.00040	-.00010
.300	4.000	-.04750	.35400	.05700	-.00840	-.00960	.00040	-.00010
.300	5.000	-.05120	.44110	.06030	-.00780	-.00940	.00040	-.00020
.300	6.000	-.05380	.52900	.06470	-.00620	-.00870	.00050	-.00040
.300	7.000	-.05100	.61610	.07040	-.00190	-.00860	.00080	-.00070
.300	8.000	-.05280	.69890	.07950	.00340	-.00930	.00120	-.00090
.300	9.000	-.05910	.77500	.08990	.00790	-.01010	.00150	-.00080
.300	10.000	-.06000	.84560	.10230	.01420	-.01010	.00170	-.00030
.300	11.000	-.05190	.91200	.11980	.02380	-.00950	.00160	.00040
.300	12.000	-.05000	.97460	.14390	.03380	-.01010	.00200	.00070
	GRADIENT	.00056	.08962	-.00089	.00267	-.00000	.00001	-.00007

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0

V9.1 (PLUS ORB TCS AT38 3)

(RGM107) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 4 000

RUN NO 447/ 0 RN/L = 2 88 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
500	-2.000	-.05080	-.20060	.07110	-.03960	- 01090	00100	00020
.500	-1 000	-.04800	-.09830	.06300	- 04020	- 01010	00080	00000
500	000	-.04800	00210	.05830	- 03840	- 00990	00090	00000
.500	1 000	-.05080	.09520	.05650	-.03470	- 01020	.00110	00000
.500	2 000	-.04580	.18660	.05610	-.03010	- 01000	.00110	.00000
500	3 000	-.04230	.27820	.05680	-.02660	- 00990	00100	00000
500	4 000	-.04320	.36880	.05870	- 02320	- 00960	00090	00000
500	5 000	-.04540	.45970	.06210	- 02020	-.00910	.00080	-.00020
500	6 000	-.04510	.55240	.06700	- 01820	-.00970	00080	- 00040
500	7 000	-.04300	.64290	.07390	- 01450	- 00860	00100	-.00050
500	8 000	-.04340	.72670	.08360	-.00750	-.00840	00110	-.00070
500	9 000	-.04600	.80310	.09640	00160	- 00870	00130	- 00070
500	10 000	-.04810	.87380	.11360	01030	-.00920	00150	- 00080
.500	11 000	-.04980	.93860	.13600	.01880	-.00940	00180	- 00080
.500	12 000	-.05290	.99780	.16230	.02850	-.01000	.00250	-.00060
	GRADIENT	.00100	.09378	-.00106	.00310	.00018	-.00001	-.00003

RUN NO 446/ 0 RN/L = 3 24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2 000	- 04960	-.21100	.07310	- 04840	- 01080	.00100	00050
.600	-1 000	-.04890	-.10740	.06470	-.04920	-.01050	.00110	00020
.600	000	-.05140	-.00430	.05860	-.04660	- 01040	00110	.00010
.600	1 000	-.05320	.09200	.05740	-.04240	-.01050	.00110	.00000
.600	2 000	-.05180	.18690	.05690	- 03830	- 01110	00140	-.00010
.600	3 000	-.04920	.28250	.05760	-.03500	- 01110	.00140	-.00020
.600	4 000	-.04780	.37870	.05980	-.03280	- 01050	00130	- 00030
.600	5 000	-.04850	.47470	.06360	-.03060	- 01000	.00120	-.00040
.600	6 000	-.05130	.56990	.06920	-.02890	-.00920	00110	-.00060
.600	7 000	- 05370	.66170	.07750	-.02080	-.00850	00100	-.00080
.600	8 000	- 05080	.74600	.09010	- 01250	- 00840	00110	-.00080
.600	9 000	-.04670	.82330	.10690	- 00520	-.00940	00160	-.00060
.600	10 000	-.04520	.89560	.12730	.00080	-.01050	.00220	.00000
.600	11 000	- 04460	.96000	.15130	.00790	- 01000	.00230	.00030
.600	12 000	-.04430	1.01610	.17860	.01660	-.00850	00200	.00000
	GRADIENT	.00025	.09745	-.00116	.00292	.00003	.00004	-.00012

CAS K1 FO

VS 1 (PLUS ORB TC5 AT38 3)

(RGM107) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 RUD-U = .000
 RUD-L = 000 S1-2 = 000
 S3-4 = 000 S5-6 = 000
 IORB = 4.000

RUN NO. 445/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.04750	-.22590	.07710	-.05850	-.01340	.00130	.00030
700	-1.000	-.04720	-.11800	.06740	-.05850	-.01330	.00130	.00010
.700	.000	-.04760	-.01070	.06120	-.05700	-.01270	.00120	-.00020
.700	1.000	-.04740	.08960	.05820	-.05380	-.01200	.00130	-.00020
700	2.000	-.04400	.18990	.05740	-.05210	-.01220	.00160	-.00020
.700	3.000	-.04410	.29210	.05840	-.04910	-.01190	.00150	-.00030
.700	4.000	-.04470	.39390	.06120	-.04500	-.01110	.00140	-.00040
.700	5.000	-.04740	.49250	.06590	-.03940	-.01030	.00130	-.00060
700	6.000	-.04660	.59020	.07340	-.03280	-.00920	.00120	-.00060
.700	7.000	-.04170	.68540	.08570	-.02640	-.00840	.00110	-.00040
.700	8.000	-.04030	.77150	.10330	-.02110	-.00890	.00130	-.00020
700	9.000	-.04180	.84590	.12490	-.01640	-.00930	.00150	-.00010
.700	10.000	-.03890	.91260	.14890	-.01180	-.00870	.00140	-.00030
700	11.000	-.03290	.97520	.17490	-.00580	-.00780	.00140	-.00050
700	12.000	-.03480	1.03150	.20240	.00360	-.00780	.00160	.00000
	GRADIENT	.00032	.10234	-.00141	.00270	.00042	.00002	-.00011

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15 1A V9 1 (PLUS ORB TCS AT38.3)

(RGM108) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BRFC = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = -3 200
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 10RB = 4 000

RUN NO 453/ 0 RN/L = 1 90 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
300	-2.000	-.05200	-.23620	.07020	.13970	-.00420	.00010	.00020
.300	-1.000	-.05640	-.13660	.06280	.12260	-.00470	00040	00000
300	.000	-.05930	-.03560	.05820	.10420	-.00460	00020	- 00020
300	1 000	-.05860	06010	.05620	.08540	- 00400	- 00010	- 00020
.300	2.000	-.05960	.15390	.05580	.06420	-.00350	- 00020	- 00010
300	3 000	- 06180	.24820	.05650	.04140	-.00400	- 00010	- 00020
300	4 000	-.06100	.34250	.05830	.01660	-.00450	00010	- 00030
.300	5 000	- 05760	.43730	.06170	-.00830	- 00450	.00000	- 00050
300	6 000	-.05550	.53310	.06700	-.03080	-.00410	.00000	- 00080
300	7 000	-.05670	.62740	.07380	-.05030	-.00350	.00010	- 00120
300	8.000	-.05830	.71500	.08170	- 06730	-.00290	00000	- 00140
.300	9 000	- 05660	.79620	.09090	-.08250	-.00350	.00020	- 00110
300	10.000	-.05840	.87290	.10470	-.09540	-.00490	.00090	- 00040
300	11 000	-.05810	.94460	.12550	- 1 0550	-.00550	00150	00000
.300	12 000	- 05770	1 01040	.15080	-.11330	- 00530	.00190	- 00040
GRADIENT		- 00084	.09590	-.00104	-.02114	00001	- 00004	- 00007

RUN NO. 452/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	- 02830	-.25190	.07340	.13240	-.00870	.00010	00030
.500	-1.000	-.03900	-.14440	.06480	.11180	-.00840	.00040	00010
.500	.000	- 04420	-.03650	.05940	.09360	-.00820	.00050	- 00010
.500	1.000	-.03890	.06460	.05710	.07460	-.00790	.00040	- 00030
.500	2.000	-.03940	.16290	.05650	.05420	-.00720	00030	- 00030
.500	3.000	-.04250	.26170	.05710	.03110	-.00700	00020	- 00040
.500	4.000	- 04190	.35990	.05920	.00650	- 00730	.00020	- 00040
.500	5.000	-.04360	.45820	.06280	-.01800	-.00720	.00030	- 00060
.500	6.000	-.04720	.55710	.06830	-.04070	-.00660	.00030	- 00080
.500	7.000	-.04700	.65370	.07580	- 05830	-.00610	.00030	- 00100
.500	8 000	-.04610	.74210	.08610	- 07000	-.00600	.00040	- 00120
.500	9 000	- 04670	.82180	.10000	-.07870	-.00590	00040	- 00130
.500	10.000	-.04790	.89680	.11820	-.08840	-.00550	.00050	- 00160
.500	11 000	-.04860	.96710	.14110	-.09660	-.00560	00090	- 00160
.500	12.000	- 05200	1.03160	.16830	-.10270	-.00710	00200	- 00140
GRADIENT		- 00139	.10101	-.00131	-.02128	00024	- 00001	- 00012

CA5 K1 F0 H15 1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM108) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT	XMRP = 1339.9100 IN. XC	BETA = 000	STAB = -3.200
LREF = 327.8000 IN.	YMRP = .0000 IN. YC	ELV-1B = .000	ELV-OB = 3.000
BREF = 2348 0000 IN	ZMRP = 190.7500 IN. ZC	S1-2 = .000	S3-4 = .000
SCALE = 0300		S5-6 = 000	IORB = 4.000

RUN NO. 451/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.04880	-.26140	.07510	.13450	-.00980	.00060	.00040
.600	-1.000	-.04800	-.15200	.06590	.11440	-.00970	.00060	-.00010
.600	.000	-.05080	-.04290	.06020	.09430	-.00980	.00070	-.00030
.600	1.000	-.05250	.06010	.05760	.07420	-.00940	.00060	-.00040
.600	2.000	-.05080	.16350	.05670	.05360	-.00920	.00060	-.00040
.600	3.000	-.05240	.26700	.05740	.02950	-.00860	.00060	-.00040
.600	4.000	-.05320	.36940	.05980	.00490	-.00780	.00040	-.00040
.600	5.000	-.04980	.46930	.06400	-.01810	-.00730	.00030	-.00060
.600	6.000	-.04750	.57140	.07020	-.03810	-.00660	.00020	-.00100
.600	7.000	-.04810	.67010	.07900	-.05290	-.00550	.00010	-.00120
.600	8.000	-.04470	.75910	.09180	-.06200	-.00530	.00020	-.00120
.600	9.000	-.04160	.84000	.10860	-.07140	-.00610	.00050	-.00090
.600	10.000	-.04530	.91560	.12960	-.08390	-.00690	.00090	-.00080
.600	11.000	-.05010	.98350	.15470	-.09470	-.00720	.00140	-.00080
.600	12.000	-.04780	1.04390	.18300	-.10270	-.00750	.00190	-.00070
	GRADIENT	-.00043	.10417	-.00140	-.02179	.00037	-.00004	-.00010

RUN NO. 450/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.02490	-.27850	.07920	.13600	-.01100	.00030	.00050
.700	-1.000	-.02010	-.16590	.06850	.11650	-.01100	.00040	-.00020
.700	.000	-.01990	-.05190	.06180	.09620	-.01080	.00060	-.00030
.700	1.000	-.02550	.05710	.05850	.07470	-.01020	.00060	-.00030
.700	2.000	-.02610	.16650	.05720	.05170	-.00990	.00070	-.00020
.700	3.000	-.02570	.27540	.05780	.02880	-.00980	.00080	-.00040
.700	4.000	-.02580	.38260	.06060	.00620	-.00890	.00070	-.00050
.700	5.000	-.02470	.48730	.06560	-.01360	-.00760	.00040	-.00060
.700	6.000	-.02480	.59090	.07360	-.02880	-.00630	.00020	-.00080
.700	7.000	-.02910	.69020	.08640	-.04040	-.00600	.00030	-.00080
.700	8.000	-.03500	.77870	.10430	-.05170	-.00670	.00070	-.00050
.700	9.000	-.03710	.85600	.12640	-.06590	-.00730	.00100	-.00010
.700	10.000	-.03480	.92840	.15100	-.08340	-.00720	.00110	-.00020
.700	11.000	-.03290	.99700	.17760	-.09990	-.00660	.00090	-.00050
.700	12.000	-.03220	1.05810	.20670	-.11470	-.00640	.00100	-.00030
	GRADIENT	-.00054	.10946	-.00176	-.02171	.00045	.00003	-.00011

CA5 K1 F0 H15.1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM109) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -3 200
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 10RB = 4 000

RUN NO 457/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
300	-12.000	1.92050	.17030	.03880	.03280	.27230	-.00280	.03030
.300	-10 000	1.92570	.16510	.04260	.03610	.22510	-.00110	.02600
300	-8.000	1.92850	.16210	.04650	.04010	.17880	.00030	.02130
.300	-6 000	1.93080	.15940	.05010	.04840	.12980	.00180	.01580
300	-4 000	1.93290	.15710	.05310	.05910	.07920	.00300	.01000
.300	-3 000	1.93310	.15770	.05430	.06210	.05510	.00310	.00720
300	-2.000	1.93270	.16010	.05320	.06170	.03360	.00240	.00460
.300	-1 000	1.93270	.16250	.05580	.05960	.01400	.00130	.00210
300	000	1.93240	.16380	.05620	.05740	-.00560	.00020	-.00050
.300	1 000	1.93020	.16470	.05630	.05490	-.02670	-.00080	-.00310
300	2 000	1.92800	.16630	.05590	.05150	-.04960	-.00160	-.00580
.300	3 000	1.92640	.16850	.05500	.04720	-.07380	-.00180	-.00850
300	4 000	1.92520	.17090	.05360	.04230	-.09850	-.00150	-.01140
.300	6 000	1.92360	.17540	.05020	.03340	-.14760	-.00080	-.01710
300	8 000	1.92200	.17890	.04630	.02670	-.19650	-.00050	-.02210
.300	10.000	1.91930	.18260	.04230	.02120	-.24610	.00000	-.02660
300	12.000	1.91520	.19000	.03870	.01250	-.29890	.00280	-.03130
GRADIENT		-.00105	.00170	.00010	-.00228	-.02174	-.00071	-.00264

RUN NO. 458/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	1.92320	.17270	.04180	.02760	.27580	-.00200	.03010
.500	-10 000	1.92550	.16540	.04400	.03280	.22810	.00000	.02820
.500	-8.000	1.92790	.16190	.04730	.03580	.18370	.00040	.02190
.500	-6.000	1.93030	.15930	.05100	.04080	.13570	.00110	.01660
.500	-4.000	1.93260	.15680	.05420	.04840	.08400	.00240	.01060
.500	-3.000	1.93290	.15630	.05530	.05240	.05830	.00280	.00770
.500	-2.000	1.93200	.15720	.05600	.05490	.03470	.00240	.00490
.500	-1.000	1.93090	.15860	.05630	.05470	.01340	.00150	.00230
.500	000	1.93040	.15950	.05650	.05220	-.00700	.00050	-.00030
.500	1 000	1.93050	.15990	.05660	.04760	-.02880	-.00040	-.00310
.500	2 000	1.93120	.16040	.05630	.04230	-.05230	-.00100	-.00580
.500	3 000	1.93160	.16190	.05560	.03690	-.07740	-.00100	-.00850
.500	4 000	1.93090	.16520	.05450	.03110	-.10370	-.00040	-.01140
.500	6 000	1.92720	.17240	.05140	.02100	-.15480	.00040	-.01700
.500	8 000	1.92370	.17510	.04790	.01640	-.20110	-.00010	-.02160
.500	10.000	1.92140	.17480	.04460	.01410	-.24570	-.00080	-.02570
.500	12.000	1.92070	.18020	.04210	.00510	-.29950	.00220	-.03060
GRADIENT		-.00021	.00097	.00005	-.00247	-.02290	-.00052	-.00272

CA5 K1 F0 H15,1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM109) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 455/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
600	-12.000	1.91720	.16960	.04430	03090	.27840	- 00100	.03010
600	-10 000	1 92050	.16540	04580	02980	.23020	00040	02610
.600	-8.000	1.92050	.16250	.04870	.03120	.18640	.00060	02210
.600	-6.000	1.92140	.15910	.05210	.03660	.13930	.00100	01710
.600	-4.000	1.92400	.15550	.05490	.04460	.08760	.00190	01110
600	-3 000	1 92480	.15420	.05580	04840	.06140	00210	00810
.600	-2.000	1.92460	.15390	.05640	.05090	.03670	00180	00520
.600	-1.000	1.92430	.15480	.05670	.05180	.01390	00110	00240
.600	.000	1.92440	.15620	.05700	.05080	-.00780	.00040	-.00040
.600	1.000	1.92410	.15800	.05720	.04660	-.03000	- 00030	- 00320
.600	2.000	1 92320	.15940	.05690	.04090	-.05420	-.00090	- 00600
600	3 000	1 92200	.16090	.05620	.03520	-.08020	-.00090	- 00890
600	4.000	1.92070	.16420	.05510	.02850	-.10740	-.00020	- 01200
600	6.000	1.91860	.17200	.05240	.01510	-.15920	.00080	- 01770
600	8.000	1.91690	.17540	.04950	.00780	-.20490	00030	- 02200
.600	10.000	1.91540	.17540	04680	.00650	-.24970	-.00070	-.02570
.600	12.000	1.91410	.17970	.04520	.00530	-.30340	.00170	-.03080
GRADIENT	-.00041	.00115	.00006	-.00215	-.02384	- 00040	- 00286	

RUN NO. 454/ 0 RN/L = 3 55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
700	-12.000	1.91260	.16890	.04900	.03260	.28340	- 00130	.03060
.700	-10 000	1.91160	.17190	.04890	.02290	.23830	- 00100	02720
.700	-8.000	1.91280	.16930	.05070	02770	.19400	-.00050	02270
700	-6.000	1.91480	.16400	05340	.03620	.14590	00020	.01750
.700	-4.000	1.91650	.15830	05610	.04360	.09360	.00070	01180
.700	-3.000	1.91700	.15650	.05690	.04690	.06650	00090	00880
.700	-2.000	1.91710	.15580	.05710	.05020	.04000	.00090	.00580
.700	-1.000	1.91710	.15590	.05700	.05270	.01510	00080	.00280
700	.000	1.91700	.15620	05710	.05270	-.00830	00070	00000
700	1.000	1.91660	.15720	05740	.04720	- 03160	.00020	- 00280
700	2 000	1.91630	.15810	.05750	.04010	-.05640	-.00040	-.00370
.700	3.000	1.91600	.15960	05710	.03440	-.08300	-.00050	-.00870
.700	4.000	1.91500	.16320	05620	.02730	-.11050	.00000	-.01180
.700	6.000	1.91240	.17320	.05410	.01080	-.16320	.00110	-.01760
700	8 000	1.91040	.17960	.05170	.00040	-.21110	.00130	-.02250
.700	10.000	1 90890	.18190	.04990	-.00130	-.25720	00080	-.02660
700	12 000	1 90610	.18490	.04950	.00520	- 31050	.00240	-.03120
GRADIENT	-.00018	.00058	.00004	-.00214	-.02507	- 00017	- 00292	

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM110) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -3 200
 RUD-U = 000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 IORB = 4 000

RUN NO 461/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
300	-12.000	5.80270	.52690	.05320	-.06260	.26670	-.00440	.03760
300	-10.000	5.80220	.52250	.05530	-.05350	.21900	-.00270	.03280
.300	-8 000	5.80320	.51500	.05930	-.04150	.17020	-.00080	.02670
.300	-6 000	5.80470	.51210	.06140	-.03320	.12110	.00110	.01990
.300	-4.000	5.80520	.51520	.06420	-.03080	.07380	.00240	.01290
.300	-3.000	5.80570	.51620	.06540	-.03090	.05190	.00240	.00950
300	-2.000	5.80620	.52090	.06640	-.03120	.03170	.00170	.00630
.300	-1.000	5.80620	.52190	.06730	-.03210	.01320	.00070	.00300
.300	.000	5.80570	.52200	.06770	-.03360	-.00510	-.00020	-.00030
300	1 000	5.80520	.52330	.06760	-.03480	-.02540	-.00090	-.00370
300	2.000	5.80470	.52500	.06730	-.03640	-.04730	-.00130	-.00700
300	3.000	5.80470	.52560	.06690	-.03840	-.07020	-.00130	-.01030
300	4 000	5.80470	.52530	.06610	-.04090	-.09380	-.00090	-.01370
.300	6 000	5.80370	.52420	.06360	-.04810	-.14120	.00010	-.02060
300	8 000	5.80130	.52440	.06040	-.05720	-.18800	.00060	-.02690
.300	10 000	5.79880	.52600	.05700	-.06610	-.23500	.00090	-.03250
300	12.000	5.79880	.52670	.05460	-.07180	-.28490	.00230	-.03780
GRADIENT	- 00015	.00120	.00024	-.00127	-.02055	-.00053	-.00332	

RUN NO. 460/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79590	.53450	.05620	-.05650	.27050	-.00350	.03720
.500	-10.000	5.79740	.53320	.05670	-.04780	.22380	-.00230	.03290
.500	-8.000	5.79790	.53120	.05920	-.04200	.17690	-.00140	.02720
.500	-6 000	5.79740	.53100	.06230	-.03820	.12750	.00010	.02060
.500	-4.000	5.79740	.53310	.06520	-.03590	.07720	.00210	.01330
.500	-3.000	5.79740	.53590	.06640	-.03540	.05350	.00250	.00980
.500	-2.000	5.79740	.53960	.06720	-.03560	.03240	.00190	.00640
.500	-1.000	5.79790	.54140	.06780	-.03620	.01300	.00090	.00300
.500	.000	5.79790	.54140	.06810	-.03740	-.00630	.00010	-.00040
.500	1.000	5.79690	.54190	.06810	-.04050	-.02700	-.00060	-.00380
.500	2.000	5.79590	.54250	.06790	-.04390	-.04930	-.00110	-.00720
.500	3.000	5.79540	.54290	.06740	-.04630	-.07330	-.00100	-.01070
.500	4.000	5.79490	.54330	.06650	-.04880	-.09830	-.00030	-.01430
.500	6.000	5.79390	.54320	.06390	-.05500	-.14790	.00090	-.02120
.500	8.000	5.79350	.54110	.06100	-.06180	-.19480	.00080	-.02710
.500	10 000	5.79300	.53880	.05850	-.06800	-.24050	.00010	-.03230
.500	12 000	5.79350	.54060	.05720	-.07140	-.29140	.00210	-.03800
GRADIENT	- 00033	.00114	.00016	-.00175	-.02143	-.00046	-.00343	

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM110) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 IORB = 4.000

RUN NO. 459/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.78910	.54790	.05930	-.05120	.27280	-.00290	.03780
.600	-10.000	5.78810	.55080	.05920	-.04780	.22720	-.00230	.03320
.600	-8.000	5.78760	.54840	.06130	-.04040	.18030	-.00150	.02790
.600	-6.000	5.78760	.54740	.06420	-.03530	.13100	-.00010	.02130
.600	-4.000	5.78810	.55000	.06700	-.03500	.08070	.00160	.01390
.600	-3.000	5.78860	.55210	.06800	-.03590	.05640	.00190	.01010
.600	-2.000	5.78910	.55380	.06860	-.03680	.03390	.00150	.00650
.600	-1.000	5.78860	.55510	.06890	-.03800	.01340	.00080	.00310
.600	0.000	5.78810	.55600	.06920	-.04000	-.00640	.00010	-.00050
.600	1.000	5.78760	.55690	.06960	-.04320	-.02790	-.00060	-.00420
.600	2.000	5.78760	.55770	.06970	-.04510	-.05130	-.00100	-.00770
.600	3.000	5.78760	.55820	.06920	-.04560	-.07640	-.00080	-.01130
.600	4.000	5.78660	.55900	.06840	-.04760	-.10210	-.00010	-.01490
.600	5.000	5.78420	.56060	.06620	-.05590	-.15170	.00090	-.02180
.600	6.000	5.78370	.56000	.06370	-.06400	-.19790	.00070	-.02780
.600	8.000	5.78420	.55770	.06180	-.06930	-.24370	.00030	-.03310
.600	10.000	5.78320	.55590	.06130	-.07130	-.29700	.00280	-.03860
.600	12.000	5.78320	.55590	.06130	-.07130	-.29700	.00280	-.03860
GRADIENT		-.00022	.00106	.00020	-.00169	-.02235	-.00035	-.00359

RUN NO. 458/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.78170	.56850	.06630	-.03880	.28240	-.00360	.03930
.700	-10.000	5.77730	.57620	.06470	-.04000	.23840	-.00390	.03510
.700	-8.000	5.77930	.57400	.06590	-.03860	.18830	-.00210	.02920
.700	-6.000	5.78120	.57080	.06840	-.03540	.13590	-.00020	.02220
.700	-4.000	5.78080	.57020	.07070	-.03180	.08690	.00080	.01470
.700	-3.000	5.77980	.57060	.07150	-.03090	.06260	.00090	.01090
.700	-2.000	5.77880	.57070	.07180	-.03090	.03860	.00060	.00710
.700	-1.000	5.77880	.57060	.07170	-.03050	.01520	.00050	.00320
.700	0.000	5.77930	.57160	.07200	-.03220	-.00720	.00040	-.00070
.700	1.000	5.77880	.57340	.07260	-.03560	-.03020	.00010	-.00460
.700	2.000	5.77880	.57450	.07280	-.03820	-.05500	-.00010	-.00830
.700	3.000	5.77830	.57530	.07260	-.04110	-.08070	.00000	-.01200
.700	4.000	5.77780	.57640	.07220	-.04560	-.10640	.00040	-.01570
.700	6.000	5.77690	.57940	.07060	-.05720	-.15650	.00150	-.02280
.700	8.000	5.77540	.58090	.06870	-.06580	-.20510	.00190	-.02920
.700	10.000	5.77440	.57990	.06780	-.06810	-.25390	.00200	-.03490
.700	12.000	5.77590	.57680	.06840	-.06870	-.30580	.00330	-.04010
GRADIENT		-.00027	.00082	.00020	-.00176	-.02393	-.00010	-.00361

CA5 K1 F0 H15.1A V9 1 (PLUS ORB TC5 AT38 3)

(RGM11) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3 200
 RUO-U = 000 RUO-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 TORB = 4 000

RUN NO 465/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
300	-12.000	7.74950	.69710	.06940	-.09760	.26420	-.00580	.04130
300	-10.000	7.74710	.69250	.07100	-.08990	.21750	-.00460	.03610
.300	-8.000	7.74950	.68990	.07290	-.08000	.16880	-.00280	.02950
.300	-6.000	7.75150	.68920	.07520	-.07090	.11920	-.00060	.02200
300	-4.000	7.75100	.69080	.07770	-.06530	.07140	.00140	.01410
.300	-3.000	7.75000	.69320	.07890	-.06540	.04970	.00170	.01020
.300	-2.000	7.74900	.69670	.07990	-.06770	.03030	.00130	.00650
.300	-1.000	7.74800	.69980	.08060	-.07100	.01240	.00060	.00280
.300	000	7.74800	.70140	.08100	-.07340	-.00540	.00010	-.00100
.300	1.000	7.74900	.70180	.08120	-.07370	-.02490	-.00050	-.00470
.300	2.000	7.74900	.70140	.08110	-.07400	-.04660	-.00080	-.00840
300	3.000	7.74800	.70090	.08070	-.07540	-.07010	-.00070	-.01220
.300	4.000	7.74760	.70070	.08000	-.07770	-.09410	-.00010	-.01610
.300	6.000	7.74610	.70050	.07780	-.08490	-.14110	.00120	-.02380
.300	8.000	7.74460	.69860	.07540	-.09540	-.18680	.00170	-.03060
.300	10.000	7.74370	.69730	.07300	-.10510	-.23250	.00160	-.03660
.300	12.000	7.74320	.69390	.07010	-.10660	-.28310	.00310	-.04230
GRADIENT		-.00031	.00124	.00029	-.00158	-.02021	-.00031	-.00375

RUN NO. 464/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	7.75050	.71500	.07490	-.08990	.26670	-.00480	.04170
.500	-10.000	7.75100	.71800	.07470	-.08510	.22140	-.00370	.03700
.500	-8.000	7.75200	.71660	.07660	-.07950	.17410	-.00290	.03060
500	-6.000	7.75290	.71580	.07910	-.07340	.12510	-.00130	.02310
500	-4.000	7.75290	.71810	.08120	-.06860	.07640	.00080	.01500
.500	-3.000	7.75240	.72090	.08200	-.06820	.05330	.00140	.01110
.500	-2.000	7.75200	.72420	.08270	-.06960	.03210	.00130	.00720
.500	-1.000	7.75050	.72660	.08330	-.07130	.01250	.00080	.00320
.500	.000	7.75000	.72750	.08360	-.07230	-.00660	.00040	-.00090
.500	1.000	7.74950	.72770	.08370	-.07300	-.02670	-.00010	-.00490
500	2.000	7.75000	.72750	.08370	-.07480	-.04880	-.00040	-.00890
.500	3.000	7.75000	.72760	.08350	-.07780	-.07270	-.00020	-.01270
.500	4.000	7.74900	.72800	.08290	-.08110	-.09770	.00060	-.01670
.500	6.000	7.74610	.72850	.08090	-.08820	-.14680	.00210	-.02430
.500	8.000	7.74610	.72720	.07840	-.09630	-.19270	.00200	-.03120
.500	10.000	7.74850	.72420	.07630	-.10410	-.23730	.00120	-.03730
.500	12.000	7.74560	.72220	.07610	-.11040	-.28810	.00330	-.04300
GRADIENT		-.00048	.00112	.00023	-.00151	-.02126	-.00018	-.00397

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F0 H15.1A V9.1 (PLUS. ORB TCS AT38 3)

(RGM111) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 TORB = 4.000

RUN NO. 483/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	7.74560	.73500	.08180	-.08670	.26970	-.00420	.04250
.600	-10.000	7.74220	.74190	.08140	-.08280	.22530	-.00390	.03740
.600	-8.000	7.74510	.73770	.08260	-.07300	.17890	-.00350	.03100
.600	-6.000	7.74710	.73430	.08460	-.06470	.12970	-.00200	.02340
.600	-4.000	7.74610	.73630	.08660	-.06130	.07970	.00040	.01510
.600	-3.000	7.74510	.73860	.08750	-.06120	.05640	.00090	.01100
.600	-2.000	7.74510	.74070	.08820	-.06160	.03520	.00060	.00700
.600	-1.000	7.74460	.74180	.08880	-.06270	.01490	.00010	.00310
.600	.000	7.74370	.74260	.08900	-.06510	-.00600	.00010	-.00100
.600	1.000	7.74270	.74370	.08910	-.06680	-.02790	.00000	-.00500
.600	2.000	7.74220	.74440	.08890	-.07180	-.05070	-.00020	-.00890
.600	3.000	7.74220	.74440	.08840	-.07310	-.07470	-.00010	-.01290
.600	4.000	7.74170	.74490	.08780	-.07420	-.09940	.00050	-.01700
.600	6.000	7.74020	.74650	.08600	-.08010	-.14870	.00190	-.02490
.600	8.000	7.74070	.74650	.08390	-.09160	-.19570	.00220	-.03200
.600	10.000	7.74220	.74490	.08260	-.10400	-.24210	.00190	-.03810
.600	12.000	7.74170	.74460	.08340	-.10580	-.29340	.00340	-.04380
	GRADIENT	-.00057	.00102	.00015	-.00190	-.02207	-.00007	-.00400

RUN NO. 482/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	7.72900	.75370	.09660	-.07700	.28300	-.00580	.04250
.700	-10.000	7.72410	.76030	.09530	-.07650	.23720	-.00690	.03700
.700	-8.000	7.72510	.75930	.09490	-.06350	.18720	-.00420	.03080
.700	-6.000	7.72660	.75820	.09610	-.05240	.13600	-.00130	.02360
.700	-4.000	7.72610	.75960	.09850	-.04980	.08560	.00000	.01550
.700	-3.000	7.72560	.76070	.09950	-.05040	.06160	-.00010	.01140
.700	-2.000	7.72560	.76140	.10020	-.05120	.03830	-.00050	.00740
.700	-1.000	7.72560	.76230	.10070	-.05350	.01520	-.00020	.00340
.700	.000	7.72510	.76330	.10110	-.05770	-.00770	.00060	-.00050
.700	1.000	7.72610	.76470	.10130	-.06230	-.03030	.00090	-.00420
.700	2.000	7.72710	.76570	.10110	-.06460	-.05400	.00070	-.00810
.700	3.000	7.72750	.76500	.10040	-.06440	-.07870	.00060	-.01210
.700	4.000	7.72710	.76420	.09980	-.06590	-.10340	.00080	-.01610
.700	6.000	7.72560	.76460	.09910	-.07640	-.15260	.00200	-.02380
.700	8.000	7.72460	.76610	.09770	-.08900	-.20250	.00340	-.03060
.700	10.000	7.72460	.76500	.09670	-.09960	-.25300	.00440	-.03660
.700	12.000	7.72710	.75490	.09820	-.09260	-.30340	.00400	-.04220
	GRADIENT	.00022	.00071	.00017	-.00237	-.02345	.00015	-.00392

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15.8 V8.1 (PLUS, ORB T05 AT38.3)

(R0M112) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-8 = .000 IORB = 4.000

RUN NO. 470/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.01160	-.21500	.06590	.14050	-.01290	.00000	-.00080
.150	-1.000	-.00970	-.07710	.05870	.10570	-.00950	-.00010	-.00100
.150	.000	-.01260	.01650	.05400	.08670	-.00830	-.00040	-.00110
.150	1.000	-.01740	.09070	.05140	.07080	-.00810	-.00070	-.00120
.150	2.000	-.01500	.16950	.05070	.05620	-.00840	-.00080	-.00140
.150	3.000	-.01290	.26370	.05160	.03410	-.00850	-.00070	-.00150
.150	4.000	-.00920	.35960	.05370	.00720	-.00830	-.00040	-.00150
.150	5.000	-.00470	.44960	.05730	-.01480	-.00920	.00000	-.00170
.150	6.000	-.00660	.53810	.06230	-.03420	-.01130	.00050	-.00190
.150	7.000	-.01040	.62750	.06860	-.05570	-.01280	.00060	-.00210
.150	8.000	-.00860	.71540	.07610	-.07640	-.01260	.00040	-.00210
.150	9.000	-.00540	.79520	.08470	-.09130	-.01170	.00050	-.00180
.150	10.000	-.00540	.86510	.09750	-.09980	-.01120	.00090	-.00160
.150	11.000	-.00670	.93130	.11750	-.10750	-.01050	.00110	-.00130
.150	12.000	-.00790	.99790	.14260	-.11960	-.00930	.00130	-.00130
	GRADIENT	.00062	.09115	-.00111	-.02086	.00037	-.00003	-.00012

RUN NO. 469/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.00770	-.23050	.07090	.15520	-.00730	.00110	-.00050
.300	-1.000	-.00710	-.12980	.06340	.13520	-.00730	.00130	-.00060
.300	.000	-.00670	-.02820	.05900	.11560	-.00730	.00130	-.00080
.300	1.000	-.01140	.06640	.05720	.09720	-.00740	.00130	-.00080
.300	2.000	-.00600	.16160	.05660	.07390	-.00670	.00110	-.00080
.300	3.000	-.00420	.25730	.05690	.04810	-.00660	.00110	-.00080
.300	4.000	-.00620	.35170	.05880	.02170	-.00780	.00130	-.00090
.300	5.000	-.00830	.44650	.06210	-.00490	-.00850	.00160	-.00100
.300	6.000	-.00860	.54330	.06740	-.02990	-.00810	.00180	-.00120
.300	7.000	-.00710	.63910	.07430	-.05200	-.00730	.00190	-.00150
.300	8.000	-.00600	.72770	.08220	-.07120	-.00690	.00170	-.00170
.300	9.000	-.00590	.80800	.09000	-.08900	-.00630	.00200	-.00140
.300	10.000	-.00580	.88400	.10400	-.10340	-.00730	.00230	-.00080
.300	11.000	-.00480	.95680	.12740	-.11240	-.01040	.00230	-.00060
.300	12.000	-.00790	1.02280	.15340	-.11930	-.01190	.00270	-.00090
	GRADIENT	.00016	.09641	-.00109	-.02279	-.00010	.00003	-.00006

CAS K1 F0 H15.8 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM112) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 468/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.00970	-.25410	.07510	.14750	-.00950	.00110	- .00030
.500	-1.000	-.00700	-.14720	.06630	.13000	-.00900	.00140	- .00030
.500	.000	-.00460	-.04100	.06090	.11330	-.00850	.00140	- .00040
.500	1.000	-.00580	.05900	.05850	.09320	-.00820	.00140	- .00050
.500	2.000	-.00680	.15930	.05780	.06930	-.00790	.00140	- .00050
.500	3.000	-.00620	.25920	.05840	.04430	-.00820	.00160	- .00050
.500	4.000	-.00530	.35780	.06030	.01910	-.00830	.00160	- .00060
.500	5.000	-.00540	.45650	.06410	-.00700	-.00780	.00160	- .00070
.500	6.000	-.00360	.55630	.06970	-.03220	-.00740	.00160	- .00090
.500	7.000	-.00180	.65340	.07720	-.05270	-.00730	.00170	- .00110
.500	8.000	-.00290	.74250	.08720	-.06700	-.00710	.00190	- .00120
.500	9.000	-.00470	.82270	.10090	-.07700	-.00690	.00190	- .00130
.500	10.000	-.00220	.89810	.11900	-.08680	-.00640	.00180	- .00150
.500	11.000	.00070	.96910	.14180	-.09600	-.00650	.00210	- .00170
.500	12.000	-.00180	1.03410	.16850	-.10490	-.00820	.00310	- .00160
	GRADIENT	.00039	.10119	-.00137	-.02222	.00020	.00006	- .00005

RUN NO. 487/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.00090	-.26520	.07720	.14540	-.01050	.00160	.00000
.600	-1.000	-.00050	-.15660	.06770	.12650	-.00990	.00150	- .00030
.600	.000	.00110	-.04820	.06170	.10970	-.00960	.00160	- .00040
.600	1.000	.00250	.05490	.05890	.09160	-.00970	.00170	- .00050
.600	2.000	-.00070	.15680	.05810	.06860	-.00940	.00170	- .00060
.600	3.000	-.00080	.25980	.05880	.04420	-.00900	.00160	- .00060
.600	4.000	-.00020	.36220	.06110	.01980	-.00850	.00160	- .00060
.600	5.000	-.00330	.46420	.06510	-.00520	-.00800	.00160	- .00070
.600	6.000	-.00640	.56760	.07130	-.02840	-.00720	.00150	- .00090
.600	7.000	-.00570	.66730	.08030	-.04500	-.00650	.00140	- .00110
.600	8.000	-.00350	.75690	.09300	-.05540	-.00630	.00150	- .00110
.600	9.000	-.00380	.83730	.10980	-.06540	-.00710	.00190	- .00110
.600	10.000	-.00440	.91250	.13060	-.07840	-.00790	.00230	- .00080
.600	11.000	-.00400	.98080	.15540	-.09110	-.00810	.00250	- .00080
.600	12.000	-.00320	1.04280	.18300	-.10230	-.00830	.00280	- .00060
	GRADIENT	-.00029	.10388	-.00151	-.02151	.00031	.00001	- .00008



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM112) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -3 200
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 IORB = 4 000

RUN NO. 466/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	.00260	-.28080	.08120	.14090	-.01080	.00120	.00050
.700	-1 000	.00070	-.16860	.07060	.12360	-.01070	.00120	-.00020
.700	000	.00110	-.05550	.06370	.10620	-.01040	.00130	- 00030
.700	1.000	.00100	.05200	.06000	.08810	-.01000	.00140	-.00020
.700	2 000	-.00070	.16070	.05870	.06710	-.01010	.00180	- 00020
.700	3 000	.00210	.26940	.05950	.04400	- 01040	.00200	- 00040
.700	4.000	.00560	.37660	.06210	.02000	-.00960	.00190	-.00050
.700	5.000	.00210	.48200	.06670	-.00120	-.00830	.00160	-.00050
.700	6 000	-.00150	.58650	.07450	-.01650	-.00690	.00140	- 00060
.700	7 000	.00340	.68680	.08720	- 02840	- 00620	.00140	-.00060
.700	8.000	.01020	.77600	.10500	- 04190	-.00670	.00160	-.00040
.700	9 000	.01020	.85330	.12690	-.05810	-.00750	.00190	- 00020
.700	10 000	.00700	.92570	.15150	-.07700	- 00750	.00190	- 00020
.700	11.000	.00730	.99510	.17830	-.09440	-.00640	.00150	-.00050
.700	12.000	.00950	1.05730	.20730	- 11100	-.00580	.00130	-.00040
	GRADIENT	.00027	.10892	-.00189	-.02048	.00027	.00010	-.00010

ORIGINAL PAGE IS
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CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(R0M113) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 10RB = 4.000

RUN NO. 474/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	1.92070	.17640	.03960	.03420	.29400	-.01650	.03230
.300	-10.000	1.92380	.17060	.04300	.04010	.24400	-.01270	.02760
.300	-8.000	1.92660	.16710	.04710	.04960	.19390	-.00900	.02250
.300	-6.000	1.92940	.16370	.05110	.06100	.14090	-.00500	.01670
.300	-4.000	1.93190	.16010	.05430	.07150	.08640	-.00120	.01050
.300	-3.000	1.93260	.15000	.05550	.07430	.06020	.00010	.00740
.300	-2.000	1.93250	.16180	.05640	.07440	.03620	.00070	.00460
.300	-1.000	1.93210	.16410	.05710	.07350	.01410	.00100	.00180
.300	0.000	1.93200	.16520	.05760	.07180	-.00760	.00140	-.00090
.300	1.000	1.93150	.16650	.05760	.06770	-.03070	.00180	-.00360
.300	2.000	1.93090	.16800	.05720	.06260	-.05550	.00230	-.00630
.300	3.000	1.93020	.16970	.05640	.05770	-.08150	.00340	-.00920
.300	4.000	1.92920	.17210	.05500	.05230	-.10820	.00490	-.01220
.300	6.000	1.92650	.17720	.05130	.04170	-.16170	.00810	-.01830
.300	8.000	1.92430	.18080	.04680	.03290	-.21490	.01070	-.02360
.300	10.000	1.92180	.18420	.04230	.02470	-.26750	.01320	-.02830
.300	12.000	1.91740	.19200	.03870	.01360	-.32080	.01710	-.03320
GRADIENT		-.00036	.00153	.00013	-.00260	-.02386	.00064	-.00280

RUN NO. 473/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	1.91550	.17420	.04230	.02390	.29830	-.01580	.03270
.500	-10.000	1.91820	.16700	.04480	.03100	.24780	-.01200	.02830
.500	-8.000	1.92100	.16200	.04840	.04120	.19870	-.00910	.02330
.500	-6.000	1.92360	.15800	.05210	.05290	.14650	-.00580	.01750
.500	-4.000	1.92580	.15490	.05530	.06350	.09120	-.00200	.01120
.500	-3.000	1.92610	.15450	.05650	.06740	.06380	-.00040	.00800
.500	-2.000	1.92600	.15560	.05720	.06960	.03800	.00050	.00510
.500	-1.000	1.92630	.15710	.05780	.06960	.01400	.00110	.00220
.500	0.000	1.92650	.15820	.05810	.06700	-.00900	.00170	-.00070
.500	1.000	1.92590	.15940	.05810	.06140	-.03290	.00220	-.00360
.500	2.000	1.92530	.16060	.05770	.05530	-.05810	.00290	-.00640
.500	3.000	1.92470	.16240	.05690	.04980	-.08500	.00400	-.00930
.500	4.000	1.92370	.16530	.05560	.04400	-.11320	.00570	-.01240
.500	6.000	1.92180	.17210	.05230	.03190	-.16860	.00890	-.01840
.500	8.000	1.91970	.17650	.04860	.02140	-.21940	.01090	-.02340
.500	10.000	1.91760	.17930	.04510	.01190	-.26790	.01250	-.02790
.500	12.000	1.91590	.18540	.04240	.00100	-.32310	.01720	-.03320
GRADIENT		-.00024	.00129	.00006	-.00279	-.02505	.00083	-.00292

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(R0M113) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 1ORB = 4 000

RUN NO. 472/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	1.91310	.17320	.04520	.02310	.30130	-.01490	.03290
.600	-10.000	1.91770	.16710	.04690	.02430	.24990	-.01160	.02840
.600	-8.000	1.91930	.16260	.05010	.03210	.20200	-.00890	.02370
.600	-6.000	1.92050	.15810	.05350	.04390	.15090	-.00610	.01820
.600	-4.000	1.92270	.15370	.05630	.05660	.09550	-.00290	.01180
.600	-3.000	1.92400	.15220	.05720	.06220	.06730	-.00130	.00860
.600	-2.000	1.92480	.15170	.05780	.06630	.04030	-.00020	.00550
.600	-1.000	1.92460	.15220	.05810	.06820	.01540	.00060	.00250
.600	.000	1.92380	.15310	.05830	.06750	-.00820	.00140	-.00040
.600	1.000	1.92270	.15460	.05850	.06260	-.03260	.00210	-.00340
.600	2.000	1.92260	.15640	.05840	.05460	-.05930	.00290	-.00650
.600	3.000	1.92290	.15870	.05760	.04630	-.08800	.00420	-.00970
.600	4.000	1.92210	.16250	.05650	.03810	-.11710	.00600	-.01300
.600	6.000	1.91910	.17110	.05370	.02200	-.17230	.00940	-.01900
.600	8.000	1.91720	.17590	.05050	.00850	-.22190	.01130	-.02390
.600	10.000	1.91660	.17720	.04780	.00000	-.26980	.01280	-.02810
.600	12.000	1.91520	.18200	.04560	-.00270	-.32640	.01650	-.03340
	GRADIENT	-.00020	.00111	.00006	-.00251	-.02606	.00099	-.00307

RUN NO. 471/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	1.90780	.17420	.04980	.02170	.30610	-.01980	.03390
.700	-10.000	1.90770	.17520	.05010	.01730	.25770	-.01320	.02930
.700	-8.000	1.90980	.17020	.05220	.02480	.20940	-.01030	.02430
.700	-6.000	1.91250	.16350	.05520	.03720	.15700	-.00710	.01860
.700	-4.000	1.91460	.15780	.05780	.05050	.10030	-.00390	.01240
.700	-3.000	1.91530	.15610	.05860	.05600	.07130	-.00230	.00920
.700	-2.000	1.91560	.15530	.05880	.06030	.04290	-.00110	.00600
.700	-1.000	1.91560	.15460	.05890	.06380	.01570	.00020	.00280
.700	.000	1.91560	.15370	.05890	.06530	-.01000	.00160	-.00030
.700	1.000	1.91550	.15450	.05920	.06110	-.03520	.00250	-.00340
.700	2.000	1.91520	.15600	.05940	.05410	-.06190	.00340	-.00650
.700	3.000	1.91470	.15790	.05890	.04690	-.09050	.00460	-.00970
.700	4.000	1.91350	.16180	.05810	.03740	-.11980	.00620	-.01290
.700	6.000	1.90980	.17280	.05570	.01430	-.17630	.00980	-.01910
.700	8.000	1.90810	.18150	.05310	-.00390	-.22920	.01250	-.02460
.700	10.000	1.90820	.18600	.05100	-.01120	-.27990	.01460	-.02950
.700	12.000	1.90690	.18850	.05040	-.00510	-.33430	.01780	-.03420
	GRADIENT	-.00012	.00038	.00006	-.00158	-.02710	.00120	-.00315

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(R0M114) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 180.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

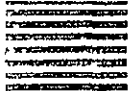
ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 484/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.81450	.51680	.05160	-.03410	.28690	-.01800	.03890
.150	-10.000	5.81400	.51510	.05480	-.04180	.23330	-.01420	.03380
.150	-8.000	5.81590	.50920	.05730	-.02970	.17920	-.01050	.02690
.150	-6.000	5.81790	.50650	.05960	-.01750	.12600	-.00650	.01930
.150	-4.000	5.81790	.50950	.06170	-.00810	.07540	-.00270	.01160
.150	-3.000	5.81690	.51320	.06260	-.00710	.05200	-.00110	.00810
.150	-2.000	5.81640	.51730	.06310	-.01030	.03070	-.00010	.00490
.150	-1.000	5.81590	.51970	.06350	-.01720	.01110	.00050	.00190
.150	.000	5.81540	.52090	.06380	-.02320	-.01020	.00160	-.00160
.150	1.000	5.81590	.52250	.06410	-.02610	-.03490	.00320	-.00560
.150	2.000	5.81540	.52280	.06460	-.02710	-.05910	.00450	-.00920
.150	3.000	5.81490	.52240	.06420	-.02820	-.08320	.00540	-.01250
.150	4.000	5.81450	.52140	.06260	-.03070	-.10750	.00650	-.01600
.150	6.000	5.81350	.52000	.05810	-.03740	-.15730	.00890	-.02270
.150	8.000	5.81250	.52200	.05430	-.04510	-.20870	.01180	-.02910
.150	10.000	5.81200	.52720	.05250	-.05420	-.26060	.01490	-.03500
.150	12.000	5.81010	.53260	.05170	-.06620	-.31070	.01720	-.04020
GRADIENT		-.00036	.00148	.00020	-.00327	-.02271	.00114	-.00346

RUN NO. 479/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.80910	.53420	.05260	-.06350	.28740	-.01900	.03800
.300	-10.000	5.80910	.53130	.05540	-.05540	.23680	-.01540	.03310
.300	-8.000	5.81100	.52640	.05840	-.04480	.18510	-.01130	.02690
.300	-6.000	5.81300	.52440	.06150	-.03570	.13180	-.00710	.02010
.300	-4.000	5.81300	.52650	.06430	-.03060	.07880	-.00310	.01280
.300	-3.000	5.81200	.52800	.06560	-.03000	.05410	-.00170	.00940
.300	-2.000	5.81100	.53190	.06660	-.03080	.03160	-.00070	.00600
.300	-1.000	5.81010	.53420	.06740	-.03310	.01030	.00030	.00250
.300	.000	5.81050	.53560	.06760	-.03570	-.01150	.00160	-.00110
.300	1.000	5.81100	.53640	.06750	-.03720	-.03500	.00300	-.00460
.300	2.000	5.81100	.53730	.06710	-.03840	-.05940	.00440	-.00800
.300	3.000	5.81050	.53810	.06650	-.04040	-.08430	.00580	-.01140
.300	4.000	5.81010	.53850	.06550	-.04360	-.10980	.00740	-.01500
.300	6.000	5.80860	.53900	.06260	-.04510	-.16150	.01050	-.02210
.300	8.000	5.80660	.53990	.05910	-.04740	-.21190	.01300	-.02830
.300	10.000	5.80570	.54100	.05560	-.04940	-.26140	.01520	-.03380
.300	12.000	5.80520	.54110	.05270	-.04950	-.31310	.01790	-.03910
GRADIENT		-.00025	.00147	.00014	-.00171	-.02328	.00129	-.00348



CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM114) (21 JAN 75)

REFERENCE DATA

SREF = 5300.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 478/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
500	-12.000	5.80270	.53940	.05560	-.05340	.29370	-.01820	.03790
500	-10.000	5.80370	.53830	.05690	-.04670	.24430	-.01540	.03340
500	-8.000	5.80520	.53540	.05970	-.03820	.19270	-.01240	.02750
500	-6.000	5.80660	.53450	.06300	-.03130	.13910	-.00840	.02080
.500	-4.000	5.80660	.53680	.06610	-.02790	.08540	-.00380	.01350
500	-3.000	5.80660	.53950	.06730	-.02810	.05980	-.00190	.00990
.500	-2.000	5.80620	.54270	.06840	-.02940	.03600	-.00070	.00540
.500	-1.000	5.80570	.54460	.06900	-.03080	.01390	.00020	.00290
500	.000	5.80570	.54490	.06920	-.03200	-.00850	.00150	-.00060
500	1.000	5.80520	.54520	.06920	-.03450	-.03300	.00290	-.00420
500	2.000	5.80420	.54570	.06890	-.03780	-.05850	.00440	-.00780
500	3.000	5.80370	.54620	.06810	-.04110	-.08460	.00600	-.01130
500	4.000	5.80370	.54680	.06700	-.04490	-.11140	.00790	-.01500
.500	6.000	5.80320	.54760	.06430	-.05410	-.16450	.01120	-.02190
.500	8.000	5.80220	.54660	.06110	-.06380	-.21480	.01320	-.02900
500	10.000	5.80080	.54470	.05810	-.07010	-.26370	.01460	-.03330
.500	12.000	5.80220	.54450	.05640	-.06720	-.31520	.01800	-.03860
GRADIENT		-.00041	.00111	.00012	-.00212	-.02427	.00139	-.00355

RUN NO. 477/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.79690	.55440	.05950	-.06240	.29500	-.01780	.03880
.600	-10.000	5.79740	.55580	.05970	-.05000	.24770	-.01560	.03410
.600	-8.000	5.79930	.55080	.06180	-.03450	.19740	-.01280	.02840
.600	-6.000	5.80080	.54850	.06490	-.02550	.14410	-.00900	.02160
.600	-4.000	5.80030	.55140	.06790	-.02520	.08990	-.00460	.01410
.600	-3.000	5.80030	.55350	.06910	-.02640	.06370	-.00270	.01040
.600	-2.000	5.79980	.55500	.06990	-.02710	.03890	-.00130	.00680
.600	-1.000	5.79980	.55590	.07030	-.02800	.01560	-.00010	.00320
.600	.000	5.79930	.55660	.07060	-.03030	-.00740	.00130	-.00050
.600	1.000	5.79880	.55770	.07090	-.03430	-.03170	.00260	-.00430
.600	2.000	5.79880	.55900	.07070	-.03740	-.05790	.00400	-.00800
.600	3.000	5.79930	.55960	.07000	-.03900	-.08570	.00600	-.01170
.600	4.000	5.79930	.56050	.06910	-.04180	-.11380	.00800	-.01540
.600	6.000	5.79790	.56240	.06690	-.05090	-.16780	.01140	-.02250
.600	8.000	5.79790	.56140	.06420	-.05910	-.21760	.01340	-.02850
.600	10.000	5.79790	.55890	.06200	-.06550	-.26600	.01480	-.03370
.600	12.000	5.79740	.55900	.06150	-.07180	-.32090	.01830	-.03940
GRADIENT		-.00017	.00108	.00016	-.00218	-.02506	.00150	-.00369

ORIGINAL PAGE IS OF POOR QUALITY

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT39.3)

(RGM114) (21 JAN 75)

REFERENCE DATA

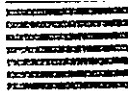
SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 IORB = 4.000

RUN NO. 476/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.78420	.57200	.06700	-.04520	.30550	-.01810	.04020
.700	-10.000	5.78420	.57930	.06540	-.04660	.25850	- 01690	03570
.700	-8.000	5.78710	.57490	.06640	-.03670	.20650	-.01360	03000
.700	-6.000	5.78910	.57000	.06890	-.02640	.15190	-.00960	.02290
.700	-4.000	5.78910	.56920	.07170	-.02060	.09680	-.00570	.01500
.700	-3.000	5.78860	.56990	.07260	-.02010	.06950	-.00390	.01100
.700	-2.000	5.78810	.57060	.07290	-.02070	.04320	- 00230	.00720
.700	-1.000	5.78860	.57070	.07300	-.02010	.01790	-.00060	.00340
.700	.000	5.78910	.57090	.07320	-.02030	-.00690	.00130	-.00050
.700	1.000	5.78910	.57260	.07390	- 02490	-.03290	00290	-.00460
.700	2.000	5.78860	.57420	.07410	-.02960	- 06070	.00460	- 00850
.700	3.000	5.78860	.57460	.07360	- 03180	-.08940	00650	-.01240
.700	4.000	5.78860	.57540	.07290	-.03450	-.11750	.00840	- 01600
.700	6.000	5.78810	.57900	.07130	-.04600	-.17160	01190	-.02310
.700	8.000	5.78660	.58250	.06920	-.06130	-.22480	01470	-.02980
.700	10.000	5.78520	.58330	.06770	-.07350	-.27710	01670	- 03580
.700	12.000	5.78660	.57840	.06820	-.07000	-.32770	.01860	- 04070
	GRADIENT	- 00001	.00080	.00019	-.00189	-.02655	00175	-.00389



CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM115) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN YC
 8REF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8 000 STAB = -3 200
 RU0-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 10RB = 4 000

RUN NO. 483/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	7.74660	.70120	.06890	-.09950	.28580	-.02060	.04140
.300	-10.000	7.74850	.69880	.07090	-.09590	.23810	-.01810	.03640
.300	-8.000	7.75000	.69640	.07350	-.08450	.18710	-.01450	.03000
.300	-6.000	7.75100	.69520	.07600	-.07250	.13360	-.01000	.02250
.300	-4.000	7.75150	.69600	.07820	-.06520	.08030	-.00510	.01430
.300	-3.000	7.75150	.69800	.07940	-.06460	.05550	-.00300	.01030
.300	-2.000	7.75150	.70120	.08070	-.06650	.03270	-.00130	.00640
.300	-1.000	7.75050	.70390	.08160	-.07030	.01150	.00020	.00260
.300	.000	7.74900	.70560	.08190	-.07380	-.00990	.00180	-.00130
.300	1.000	7.74760	.70640	.08170	-.07490	-.03290	.00340	-.00520
.300	2.000	7.74800	.70630	.08110	-.07440	-.05760	.00520	-.00900
.300	3.000	7.74850	.70600	.08030	-.07480	-.08340	.00720	-.01290
.300	4.000	7.74900	.70630	.07950	-.07760	-.10960	.00920	-.01680
.300	6.000	7.74760	.70760	.07740	-.08890	-.16080	.01260	-.02450
.300	8.000	7.74660	.70750	.07460	-.10220	-.20980	.01490	-.03130
.300	10.000	7.74560	.70510	.07160	-.11180	-.25810	.01650	-.03710
.300	12.000	7.74660	.70100	.06890	-.11070	-.31040	.01910	-.04270
GRADIENT		-.00048	.00130	.00015	-.00168	-.02335	.00173	-.00367

RUN NO. 482/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	7.73580	.71850	.07430	-.09110	.29100	-.02030	.04190
.500	-10.000	7.73340	.72190	.07430	-.08620	.24310	-.01780	.03730
.500	-8.000	7.73730	.71950	.07650	-.07720	.19310	-.01530	.03090
.500	-6.000	7.74070	.71820	.07930	-.06840	.14040	-.01130	.02340
.500	-4.000	7.74070	.72070	.08180	-.06290	.08680	-.00590	.01530
.500	-3.000	7.73970	.72330	.08280	-.06320	.06090	-.00340	.01130
.500	-2.000	7.73970	.72610	.08380	-.06540	.03660	-.00160	.00730
.500	-1.000	7.74020	.72860	.08450	-.06720	.01390	.00000	.00320
.500	.000	7.74120	.73000	.08470	-.06790	-.00850	.00170	-.00100
.500	1.000	7.74070	.73050	.08470	-.06890	-.03210	.00340	-.00510
.500	2.000	7.74070	.73010	.08450	-.07100	-.05730	.00520	-.00910
.500	3.000	7.74070	.72930	.08390	-.07400	-.08390	.00730	-.01300
.500	4.000	7.74120	.72920	.08310	-.07730	-.11120	.00960	-.01690
.500	6.000	7.74170	.73100	.08070	-.08590	-.16450	.01350	-.02450
.500	8.000	7.74020	.73170	.07790	-.09770	-.21420	.01550	-.03150
.500	10.000	7.73880	.72920	.07580	-.10640	-.26180	.01650	-.03770
.500	12.000	7.74070	.72190	.07560	-.10010	-.31380	.01950	-.04300
GRADIENT		.00013	.00103	.00017	-.00171	-.02434	.00185	-.00405

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM115) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 1ORB = 4.000

RUN NO. 481/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	7.73340	.73720	.08160	-.08590	.29380	-.01950	.04270
.600	-10.000	7.73190	.74340	.08120	-.08500	.24780	-.01830	.03780
.600	-8.000	7.73440	.73760	.08260	-.06850	.19870	-.01610	.03130
.600	-6.000	7.73580	.73360	.08500	-.05580	.14580	-.01210	.02370
.600	-4.000	7.73490	.73620	.08740	-.05440	.09120	-.00660	.01540
.600	-3.000	7.73390	.73870	.08850	-.05630	.06510	-.00420	.01120
.600	-2.000	7.73340	.74040	.08940	-.05720	.04080	-.00260	.00720
.600	-1.000	7.73390	.74110	.08990	-.05720	.01740	-.00090	.00320
.600	.000	7.73340	.74160	.09010	-.05820	-.00660	.00120	-.00090
.600	1.000	7.73290	.74210	.08990	-.06040	-.03210	.00320	-.00500
.600	2.000	7.73190	.74300	.08950	-.06310	-.05830	.00520	-.00900
.600	3.000	7.73190	.74380	.08900	-.06600	-.08490	.00730	-.01310
.600	4.000	7.73190	.74510	.08830	-.06890	-.11190	.00950	-.01710
.600	6.000	7.73240	.74710	.08630	-.07690	-.16580	.01360	-.02500
.600	8.000	7.73190	.74650	.08400	-.08790	-.21690	.01590	-.03210
.600	10.000	7.73100	.74370	.08240	-.09570	-.26640	.01710	-.03810
.600	12.000	7.73140	.74300	.08340	-.09260	-.31950	.01960	-.04360
GRADIENT		-.00037	.00095	.00009	-.00170	-.02517	.00198	-.00406

RUN NO. 480/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	7.72750	.75240	.09610	-.06650	.30510	-.02030	.04260
.700	-10.000	7.72120	.76090	.09470	-.07600	.25790	-.02040	.03730
.700	-8.000	7.72360	.75740	.09460	-.05470	.20690	-.01680	.03090
.700	-6.000	7.72610	.75460	.09610	-.03840	.15270	-.01200	.02360
.700	-4.000	7.72560	.75720	.09880	-.03950	.09720	-.00720	.01570
.700	-3.000	7.72510	.75880	.10000	-.04240	.07010	-.00530	.01160
.700	-2.000	7.72610	.75910	.10070	-.04270	.04400	-.00370	.00760
.700	-1.000	7.72750	.75930	.10130	-.04320	.01850	-.00150	.00360
.700	.000	7.72850	.76030	.10180	-.04650	-.00680	.00120	-.00030
.700	1.000	7.72850	.76220	.10200	-.05240	-.03280	.00370	-.00410
.700	2.000	7.72750	.76370	.10170	-.05650	-.06000	.00560	-.00800
.700	3.000	7.72750	.76320	.10090	-.05610	-.08760	.00740	-.01200
.700	4.000	7.72750	.76250	.10000	-.05650	-.11500	.00940	-.01590
.700	6.000	7.72710	.76340	.09850	-.06760	-.16960	.01370	-.02370
.700	8.000	7.72610	.76650	.09700	-.08710	-.22360	.01740	-.03080
.700	10.000	7.72560	.76720	.09650	-.10390	-.27620	.01950	-.03720
.700	12.000	7.72750	.75620	.09850	-.09580	-.32650	.01940	-.04270
GRADIENT		.00031	.00077	.00017	-.00243	-.02635	.00214	-.00393

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 FD H15.6 V9.1 (PLUS. OR3 TC5 AT39.3)

(RGM116) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 SS-6 = .000 IORB = 4.000

RUN NO. 489/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.03220	-.17600	.07000	-.03970	-.00720	.00110	-.00060
.300	-1.000	-.03210	-.07450	.06340	-.06050	-.00790	.00150	-.00070
.300	.000	-.02890	.02670	.05960	-.08330	-.00760	.00140	-.00080
.300	1.000	-.02920	.12400	.05820	-.10470	-.00670	.00110	-.00080
.300	2.000	-.02970	.21970	.05850	-.12710	-.00670	.00110	-.00090
.300	3.000	-.02900	.31450	.06000	-.15220	-.00760	.00130	-.00100
.300	4.000	-.02950	.40690	.06270	-.17760	-.00810	.00150	-.00090
.300	5.000	-.03090	.50100	.06700	-.20310	-.00770	.00150	-.00100
.300	6.000	-.03000	.59740	.07290	-.22670	-.00740	.00150	-.00130
.300	7.000	-.02720	.69420	.08080	-.24870	-.00700	.00160	-.00160
.300	8.000	-.02540	.78340	.08970	-.26800	-.00690	.00160	-.00170
.300	9.000	-.02590	.86350	.09990	-.28430	-.00720	.00180	-.00130
.300	10.000	-.03010	.93880	.11440	-.29780	-.00750	.00220	-.00090
.300	11.000	-.03130	1.00940	.13550	-.30760	-.00770	.00250	-.00070
.300	12.000	-.02750	1.07480	.16170	-.31450	-.00810	.00290	-.00090
GRADIENT		.00025	.09649	-.00027	-.02331	-.00005	.00003	-.00005

RUN NO. 487/ 0 RN/L = 2.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02190	-.20020	.07320	-.04200	-.00830	.00100	-.00020
.500	-1.000	-.02510	-.09330	.06590	-.06720	-.00890	.00120	-.00030
.500	.000	-.02950	.01370	.06180	-.09950	-.00830	.00120	-.00040
.500	1.000	-.03040	.11820	.05980	-.11100	-.00800	.00130	-.00060
.500	2.000	-.02980	.21480	.05990	-.13400	-.00810	.00140	-.00060
.500	3.000	-.02860	.31370	.06140	-.15960	-.00820	.00150	-.00060
.500	4.000	-.02450	.41310	.06420	-.18570	-.00840	.00160	-.00060
.500	5.000	-.01960	.51200	.06890	-.21070	-.00850	.00160	-.00070
.500	6.000	-.01750	.61080	.07520	-.23300	-.00820	.00170	-.00100
.500	7.000	-.02010	.70750	.08350	-.25170	-.00760	.00170	-.00110
.500	8.000	-.02320	.79640	.09440	-.26540	-.00740	.00180	-.00110
.500	9.000	-.02190	.87600	.10890	-.27420	-.00750	.00180	-.00120
.500	10.000	-.02150	.95010	.12770	-.28060	-.00690	.00170	-.00140
.500	11.000	-.02180	1.02030	.15160	-.28730	-.00670	.00200	-.00160
.500	12.000	-.02220	1.08500	.17930	-.29430	-.00790	.00280	-.00150
GRADIENT		.00027	.10138	-.00047	-.02389	.00010	.00009	-.00007

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM116) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

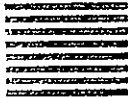
BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 486/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02260	-.21510	.07850	-.03680	-.01080	.00150	-.00020
.600	-1.000	-.02170	-.10510	.06730	-.06340	-.01010	.00140	-.00050
.600	.000	-.02390	.00490	.06240	-.08800	-.01000	.00140	-.00070
.600	1.000	-.02490	.10910	.06030	-.11010	-.01000	.00150	-.00070
.600	2.000	-.02360	.21150	.06040	-.13360	-.01000	.00170	-.00070
.600	3.000	-.02260	.31450	.06190	-.15840	-.00960	.00170	-.00060
.600	4.000	-.02550	.41690	.06500	-.18410	-.00920	.00170	-.00060
.600	5.000	-.03090	.51890	.06990	-.20830	-.00860	.00160	-.00080
.600	6.000	-.03110	.62120	.07680	-.22790	-.00760	.00140	-.00100
.600	7.000	-.02630	.72020	.08630	-.24170	-.00650	.00130	-.00120
.600	8.000	-.02390	.80890	.09980	-.25210	-.00630	.00140	-.00130
.600	9.000	-.02510	.88870	.11750	-.26140	-.00710	.00170	-.00130
.600	10.000	-.02620	.96340	.13920	-.27010	-.00770	.00190	-.00090
.600	11.000	-.02420	1.03160	.16440	-.27630	-.00780	.00210	-.00070
.600	12.000	-.02250	1.09170	.19240	-.27990	-.00790	.00250	-.00060
	GRADIENT	-.00086	.10451	-.00062	-.02427	.00025	.00004	-.00005

RUN NO. 485/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.00620	-.23540	.07970	-.02940	-.01120	.00110	.00010
.700	-1.000	-.00510	-.12110	.07010	-.05390	-.01100	.00110	-.00050
.700	.000	-.00640	-.00540	.06400	-.07890	-.01070	.00120	-.00050
.700	1.000	-.00750	.10320	.06110	-.10130	-.01040	.00140	-.00040
.700	2.000	-.00640	.21140	.06070	-.12410	-.01060	.00170	-.00030
.700	3.000	-.00550	.32090	.06220	-.14930	-.01030	.00180	-.00050
.700	4.000	-.00570	.42860	.06580	-.17450	-.00940	.00170	-.00060
.700	5.000	-.01120	.53380	.07130	-.19530	-.00820	.00150	-.00060
.700	6.000	-.02290	.63750	.07990	-.21000	-.00700	.00130	-.00080
.700	7.000	-.03200	.73710	.09340	-.22060	-.00620	.00120	-.00080
.700	8.000	-.03150	.82540	.11190	-.22900	-.00660	.00150	-.00040
.700	9.000	-.02550	.90110	.13420	-.23910	-.00730	.00180	-.00010
.700	10.000	-.02140	.97170	.15890	-.25050	-.00720	.00170	-.00020
.700	11.000	-.01980	1.04000	.18660	-.26070	-.00660	.00150	-.00050
.700	12.000	-.01870	1.10070	.21550	-.27100	-.00630	.00140	-.00060
	GRADIENT	-.00041	.10976	-.00102	-.02379	.00036	.00009	-.00006



CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM117) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 1ORB = 4.000

RUN NO 493/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.150	-2.000	-.02600	-.22250	.06600	.09320	-.00780	.00000	-.00020
.150	-1.000	-.03140	-.08400	.05920	.05680	-.00530	-.00020	-.00050
.150	.000	-.03960	.01010	.05490	.03740	-.00520	-.00050	-.00080
.150	1.000	-.03980	.08490	.05270	.02420	-.00510	-.00060	-.00100
.150	2.000	-.04080	.16520	.05240	.00600	-.00520	-.00070	-.00100
.150	3.000	-.03920	.26020	.05360	-.01850	-.00500	-.00070	-.00110
.150	4 000	-.03160	.35700	.05600	-.04200	-.00720	-.00040	-.00140
.150	5 000	-.02570	.44730	.05970	-.06200	-.00840	.00000	-.00160
.150	6 000	-.02500	.53570	.06500	-.08190	-.00940	.00050	-.00170
.150	7 000	-.02600	.62590	.07170	-.10320	-.00920	.00060	-.00170
.150	8.000	-.02470	.71140	.07910	-.12360	-.00890	.00030	-.00160
.150	9.000	-.02620	.78960	.08810	-.13940	-.00980	.00040	-.00150
.150	10.000	-.03080	.86330	.10200	-.15020	-.01040	.00090	-.00140
.150	11 000	-.03360	.93510	.12260	-.15990	-.00960	.00120	-.00110
.150	12.000	-.03230	1.00110	.14700	-.17120	-.00800	.00130	-.00120
	GRADIENT	.00002	.09195	-.00077	-.02103	-.00019	-.00002	-.00018

RUN NO. 492/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02340	-.22120	.07070	.09970	-.00770	.00130	-.00050
.300	-1.000	-.02700	-.12010	.06370	.08030	-.00730	.00150	-.00060
.300	.000	-.02970	-.01740	.05940	.05960	-.00640	.00130	-.00070
.300	1.000	-.02540	.07860	.05760	.03780	-.00620	.00120	-.00070
.300	2.000	-.02700	.17270	.05720	.01480	-.00620	.00110	-.00080
.300	3.000	-.03160	.26820	.05800	-.00940	-.00670	.00120	-.00090
.300	4.000	-.03160	.36320	.06020	-.03550	-.00740	.00140	-.00090
.300	5.000	-.03140	.45780	.06380	-.06240	-.00760	.00150	-.00100
.300	6.000	-.03130	.55350	.06900	-.08690	-.00690	.00160	-.00130
.300	7.000	-.02900	.64890	.07600	-.10790	-.00610	.00170	-.00150
.300	8.000	-.03020	.73810	.08430	-.12680	-.00570	.00170	-.00150
.300	9 000	-.03650	.82030	.09390	-.14500	-.00640	.00190	-.00120
.300	10.000	-.04100	.89650	.10780	-.16020	-.00770	.00260	-.00050
.300	11.000	-.03730	.96690	.12860	-.17030	-.00840	.00310	-.00030
.300	12.000	-.02800	1.03200	.15400	-.17710	-.00800	.00330	-.00070
	GRADIENT	-.00103	.09667	-.00084	-.02314	-.00001	.00001	-.00007

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT39.3)

(RGM117) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 491/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.03600	-.24250	.07430	.09570	-.00910	.00110	- 00020
.500	-1.000	-.03700	-.13470	.06590	.07410	-.00880	.00130	- 00030
.500	.000	-.03520	-.02690	.06100	.05340	-.00820	.00130	- 00040
.500	1.000	-.03020	.07360	.05890	.03190	-.00780	.00140	- 00060
.500	2.000	-.02940	.17340	.05830	.00870	-.00780	.00140	- 00060
.500	3.000	-.02980	.27400	.05920	-.01710	-.00830	.00160	- 00060
.500	4.000	-.02930	.37310	.06140	-.04320	-.00860	.00170	- 00060
.500	5.000	-.03000	.47130	.06530	-.06850	-.00830	.00170	- 00070
.500	6.000	-.02910	.57070	.07110	-.09260	-.00780	.00170	- 00100
.500	7.000	-.02650	.66800	.07880	-.11210	-.00740	.00170	- 00110
.500	8.000	-.02630	.75690	.08910	-.12520	-.00740	.00190	- 00110
.500	9.000	-.02700	.83750	.10290	-.13470	-.00730	.00200	- 00120
.500	10.000	-.02890	.91260	.12120	-.14410	-.00680	.00190	- 00140
.500	11.000	-.02950	.98250	.14430	-.15280	-.00690	.00220	- 00150
.500	12.000	-.02670	1.04700	.17100	-.16090	-.00810	.00310	- 00130
	GRADIENT	.00116	.10164	-.00109	-.02346	.00007	.00008	- 00007

RUN NO. 490/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.03720	-.25290	.07670	.09340	-.01030	.00140	00000
.600	-1.000	-.03320	-.14480	.06760	.07520	-.00960	.00130	- 00040
.600	.000	-.03150	-.03560	.06180	.05530	-.00980	.00150	- 00060
.600	1.000	-.03220	.06870	.05920	.03230	-.01000	.00170	- 00080
.600	2.000	-.03520	.17290	.05850	.00750	-.00970	.00170	- 00080
.600	3.000	-.03570	.27620	.05940	-.01680	-.00920	.00170	- 00070
.600	4.000	-.03500	.37780	.06210	-.04140	-.00860	.00160	- 00060
.600	5.000	-.03570	.47920	.06670	-.06600	-.00810	.00160	- 00070
.600	6.000	-.03430	.58200	.07280	-.08810	-.00730	.00140	- 00110
.600	7.000	-.03150	.68180	.08170	-.10400	-.00660	.00140	- 00130
.600	8.000	-.03200	.77170	.09520	-.11500	-.00690	.00170	- 00110
.600	9.000	-.03200	.85250	.11280	-.12490	-.00770	.00210	- 00080
.600	10.000	-.02830	.92840	.13350	-.13660	-.00810	.00230	- 00060
.600	11.000	-.02350	.99690	.15770	-.14730	-.00770	.00230	- 00070
.600	12.000	-.02320	1.05750	.18530	-.15590	-.00780	.00270	- 00060
	GRADIENT	-.00017	.10449	-.00125	-.02309	.00027	.00004	- 00007

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(R0M117) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 489/ 0 RN/L = 3.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.03300	-.26910	.08060	.09110	-.01120	.00130	.00010
.700	-1 000	-.03250	- 15670	.07020	.07100	- 01120	.00130	-.00040
700	.000	- 03140	-.04310	06360	.05140	-.01100	.00130	- 00050
.700	1.000	-.03450	.06530	.06020	.03290	-.01040	.00150	-.00050
.700	2.000	-.03230	.17330	.05920	.01100	-.01020	.00170	-.00050
.700	3 000	-.03090	.28310	.06020	-.01420	-.01020	.00190	-.00060
.700	4.000	-.03030	.39180	06300	-.03930	-.00970	.00180	-.00060
.700	5 000	-.02980	.49690	.06800	-.06000	-.00850	.00160	-.00070
.700	6.000	-.02840	.60030	.07600	-.07420	-.00690	.00130	-.00080
.700	7.000	-.02640	.69930	.08870	-.08500	-.00610	.00130	-.00080
700	8.000	-.02470	.78800	.10650	-.09720	- 00650	.00160	- 00050
700	9.000	-.02440	.86570	.12850	-.11230	- 00740	.00190	- 00020
.700	10.000	-.02380	.93820	.15300	-.12850	-.00760	.00200	- 00020
.700	11.000	-.02370	1.00730	.17960	-.14270	-.00670	.00160	- 00040
.700	12.000	- 02330	1.06980	.20890	-.15710	-.00610	.00140	- 00040
	GRADIENT	00044	.10942	-.00161	- 02176	.00035	.00008	- 00008

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM118) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 498/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.150	-12.000	5.79880	.53780	.05200	-.11530	.28070	-.01730	.03890
.150	-10.000	5.79830	.53490	.05430	-.10950	.22930	-.01360	.03360
.150	-8.000	5.80180	.53010	.05720	-.09810	.17400	-.01000	.02670
.150	-6.000	5.80420	.52760	.05990	-.08450	.12090	-.00620	.01910
.150	-4.000	5.80420	.52930	.06200	-.07440	.07240	-.00240	.01170
.150	-3.000	5.80370	.53240	.06290	-.07270	.04950	-.00080	.00820
.150	-2.000	5.80320	.53650	.06360	-.07520	.02710	.00030	.00490
.150	-1.000	5.80180	.53960	.06420	-.08350	.00510	.00120	.00150
.150	.000	5.80080	.54030	.06450	-.09150	-.01700	.00240	-.00220
.150	1.000	5.80130	.53990	.06450	-.09320	-.03950	.00350	-.00580
.150	2.000	5.80220	.53910	.06420	-.09220	-.06250	.00460	-.00940
.150	3.000	5.80270	.53810	.06330	-.09250	-.08600	.00580	-.01290
.150	4.000	5.80220	.53780	.06180	-.09560	-.11020	.00700	-.01620
.150	6.000	5.79980	.54060	.05900	-.10580	-.16060	.00970	-.02290
.150	8.000	5.79790	.54660	.05440	-.11290	-.21350	.01260	-.02950
.150	10.000	5.79640	.55280	.05180	-.11730	-.26720	.01650	-.03570
.150	12.000	5.79350	.55590	.05050	-.12990	-.31660	.01810	-.04050
GRADIENT		-.00023	.00094	.00003	-.00313	-.02268	.00114	-.00351

RUN NO. 497/ 0 RN/L = 1.03 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79490	.54350	.05410	-.11880	.28770	-.01880	.03860
.300	-10.000	5.79640	.54290	.05650	-.11530	.23750	-.01550	.03350
.300	-8.000	5.79830	.53720	.05970	-.10350	.18540	-.01160	.02740
.300	-6.000	5.80030	.53430	.06290	-.09290	.13220	-.00740	.02040
.300	-4.000	5.80180	.53700	.06570	-.08830	.08000	-.00340	.01300
.300	-3.000	5.80180	.53990	.06690	-.08870	.05500	-.00180	.00940
.300	-2.000	5.80130	.54280	.06790	-.09050	.03160	-.00050	.00600
.300	-1.000	5.80030	.54470	.06880	-.09280	.00990	.00060	.00260
.300	.000	5.79980	.54550	.06910	-.09460	-.01130	.00170	-.00090
.300	1.000	5.79930	.54580	.06900	-.09570	-.03430	.00300	-.00440
.300	2.000	5.79980	.54690	.06850	-.09690	-.05890	.00440	-.00780
.300	3.000	5.79930	.54810	.06780	-.09890	-.08410	.00590	-.01120
.300	4.000	5.79830	.54900	.06680	-.10220	-.10960	.00740	-.01480
.300	6.000	5.79740	.54970	.06400	-.11110	-.16030	.01050	-.02190
.300	8.000	5.79740	.54920	.06040	-.11980	-.21080	.01300	-.02830
.300	10.000	5.79790	.54800	.05660	-.12670	-.26070	.01620	-.03390
.300	12.000	5.79640	.54770	.05380	-.13140	-.31190	.01760	-.03890
GRADIENT		-.00042	.00136	.00014	-.00170	-.02335	.00131	-.00346

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.8 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM118) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 - 10RB = 4.000

RUN NO. 496/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.78710	.55120	.05670	-.11080	.29430	-.01840	.03830
.500	-10.000	5.78860	.55170	.05790	-.10580	.24460	-.01570	.03380
.500	-8.000	5.79050	.54860	.06090	-.09690	.19400	-.01270	.02810
.500	-6.000	5.79150	.54760	.06430	-.09030	.14070	-.00870	.02120
.500	-4.000	5.79100	.55040	.06740	-.08820	.08630	-.00410	.01370
.500	-3.000	5.79050	.55300	.06870	-.08850	.06010	-.00210	.01000
.500	-2.000	5.79000	.55590	.06970	-.08910	.03590	-.00090	.00640
.500	-1.000	5.79000	.55770	.07040	-.08960	.01350	.00020	.00290
.500	.000	5.79000	.55830	.07050	-.09090	-.00890	.00150	-.00060
.500	1.000	5.78960	.55890	.07040	-.09390	-.03280	.00290	-.00420
.500	2.000	5.78960	.55930	.07000	-.09750	-.05800	.00430	-.00780
.500	3.000	5.78960	.55930	.06930	-.10060	-.08430	.00600	-.01140
.500	4.000	5.78910	.55950	.06820	-.10330	-.11130	.00780	-.01500
.500	6.000	5.78810	.56010	.06530	-.11050	-.16460	.01130	-.02210
.500	8.000	5.78710	.55930	.06210	-.11990	-.21510	.01330	-.02820
.500	10.000	5.78660	.55760	.05930	-.12560	-.26400	.01470	-.03350
.500	12.000	5.78710	.55580	.05780	-.11520	-.31600	.01780	-.03850
	GRADIENT	-.00019	.00106	.00009	-.00196	-.02429	.00142	-.00357

RUN NO. 495/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.78420	.56370	.06030	-.10570	.29630	-.01790	.03880
.600	-10.000	5.78370	.56680	.06040	-.10100	.24780	-.01570	.03430
.600	-8.000	5.78560	.56320	.06280	-.09220	.19760	-.01310	.02870
.600	-6.000	5.78660	.56130	.06620	-.08560	.14410	-.00930	.02190
.600	-4.000	5.78660	.56400	.06930	-.08420	.08900	-.00470	.01420
.600	-3.000	5.78610	.56540	.07040	-.08490	.06250	-.00260	.01040
.600	-2.000	5.78560	.56850	.07100	-.08560	.03800	-.00110	.00680
.600	-1.000	5.78560	.56990	.07140	-.08710	.01500	.00010	.00320
.600	.000	5.78560	.57100	.07180	-.09030	-.00800	.00140	-.00060
.600	1.000	5.78560	.57210	.07210	-.09380	-.03230	.00260	-.00440
.600	2.000	5.78520	.57270	.07200	-.09600	-.05840	.00410	-.00810
.600	3.000	5.78520	.57290	.07130	-.09740	-.08610	.00600	-.01170
.600	4.000	5.78520	.57350	.07030	-.09990	-.11430	.00820	-.01550
.600	6.000	5.78470	.57510	.06790	-.10800	-.16870	.01160	-.02270
.600	8.000	5.78470	.57380	.06540	-.11520	-.21840	.01340	-.02880
.600	10.000	5.78470	.57000	.06330	-.11760	-.26610	.01460	-.03390
.600	12.000	5.78320	.56690	.06220	-.11040	-.32050	.01830	-.03900
	GRADIENT	-.00015	.00114	.00015	-.00213	-.02498	.00150	-.00371

CA5 K1 F0 H15.8 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM118) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 IORB = 4 000

RUN NO. 494/ 0 R_N/L = 3.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.77730	.57950	.06810	-.07670	.30450	-.01750	.03970
.700	-10.000	5.77150	.58660	.06590	-.06260	.25850	-.01700	.03550
.700	-8.000	5.77250	.58500	.06700	-.07970	.20640	-.01400	.02980
.700	-6.000	5.77390	.58120	.06990	-.07580	.15160	-.01000	.02290
.700	-4.000	5.77290	.58210	.07300	-.07460	.09670	-.00580	.01510
.700	-3.000	5.77250	.58320	.07400	-.07500	.06960	-.00400	.01110
.700	-2.000	5.77290	.58360	.07420	-.07560	.04310	-.00240	.00720
.700	-1.000	5.77390	.58360	.07440	-.07640	.01750	-.00070	.00330
.700	.000	5.77490	.58420	.07460	-.07800	-.00740	.00130	-.00070
.700	1.000	5.77440	.58620	.07510	-.08220	-.03290	.00290	-.00460
.700	2.000	5.77340	.58760	.07540	-.08590	-.06030	.00450	-.00850
.700	3.000	5.77340	.58810	.07490	-.08740	-.08890	.00640	-.01230
.700	4.000	5.77390	.58890	.07420	-.09000	-.11730	.00840	-.01610
.700	6.000	5.77440	.59230	.07240	-.10080	-.17230	.01220	-.02340
.700	8.000	5.77290	.59550	.07020	-.11430	-.22580	.01500	-.03010
.700	10.000	5.77150	.59620	.06880	-.12470	-.27790	.01690	-.03600
.700	12.000	5.77250	.59110	.06970	-.12140	-.32950	.01880	-.04090
GRADIENT		.00014	.00088	.00018	-.00209	-.02648	.00176	-.00390

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38 3)

(RGM119) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 502/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.03010	-.30380	.07700	.39600	-.00810	.00180	-.00020
.300	-1.000	-.02730	-.20370	.06830	.38270	-.00810	.00210	- .00030
.300	.000	-.02380	-.10290	.06240	.37020	-.00750	.00190	- .00020
.300	1.000	-.02430	-.00900	.05940	.35510	-.00710	.00170	-.00030
.300	2.000	-.02490	.08570	.05760	.33580	-.00720	.00170	- .00030
.300	3.000	-.02420	.18010	.05710	.31380	-.00750	.00180	- .00030
.300	4.000	-.02600	.27370	.05810	.28820	-.00790	.00190	-.00030
.300	5.000	-.02960	.36840	.06050	.26040	-.00800	.00190	-.00050
.300	6.000	-.03220	.46580	.06470	.23400	-.00780	.00210	-.00070
.300	7.000	-.03130	.56240	.07050	.21150	-.00740	.00230	- .00100
.300	8.000	-.02770	.65190	.07740	.19140	-.00700	.00230	- .00110
.300	9.000	-.02440	.73300	.08500	.17260	-.00730	.00240	-.00080
.300	10.000	-.02570	.80970	.09720	.15680	-.00810	.00280	- .00030
.300	11.000	-.02700	.88340	.11690	.14430	-.00870	.00320	.00010
.300	12.000	-.02220	.95010	.14130	.13290	-.00920	.00370	-.00010
	GRADIENT	.00010	.09567	-.00219	-.01917	.00002	-.00001	- .00003

RUN NO 501/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.01090	-.31880	.08000	.38300	-.01010	.00180	.00010
.500	-1.000	-.01920	-.21180	.07030	.36420	-.00960	.00200	.00010
.500	.000	-.02600	-.10570	.06390	.34950	-.00900	.00200	.00000
.500	1.000	-.02750	-.00710	.06050	.33730	-.00870	.00200	-.00020
.500	2.000	-.02280	.09150	.05880	.32090	-.00880	.00210	-.00030
.500	3.000	-.02210	.19050	.05820	.29860	-.00940	.00220	-.00020
.500	4.000	-.02280	.28940	.05910	.27330	-.00970	.00220	-.00010
.500	5.000	-.02340	.38760	.06180	.24870	-.00920	.00210	-.00030
.500	6.000	-.02560	.48690	.06660	.22450	-.00830	.00210	-.00050
.500	7.000	-.02270	.58450	.07300	.20200	-.00790	.00210	-.00060
.500	8.000	-.01760	.67470	.08200	.18490	-.00830	.00240	-.00060
.500	9.000	-.01500	.75620	.09480	.17300	-.00840	.00260	-.00080
.500	10.000	-.01450	.83230	.11200	.16030	-.00800	.00250	-.00100
.500	11.000	-.01830	.90330	.13400	.14740	-.00810	.00280	- .00100
.500	12.000	-.02280	.97000	.15970	.13330	-.00930	.00370	-.00080
	GRADIENT	-.00106	.10045	-.00241	-.01852	.00005	.00005	-.00005

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM119) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 500/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01760	-.32480	.08160	.37320	-.01090	.00210	.00030
.600	-1.000	-.02930	-.21770	.07130	.35590	-.01050	.00210	.00000
.600	.000	-.02300	-.10970	.06460	.34100	-.01070	.00220	-.00020
.600	1.000	-.02130	-.00630	.06080	.32320	-.01060	.00230	-.00030
.600	2.000	-.02880	.09550	.05890	.30410	-.01020	.00220	-.00030
.600	3.000	-.02430	.19720	.05860	.28690	-.00990	.00220	-.00020
.600	4.000	-.01840	.29840	.06000	.26470	-.00970	.00230	-.00020
.600	5.000	-.01770	.40030	.06320	.24080	-.00900	.00220	-.00030
.600	6.000	-.01250	.50290	.06830	.21900	-.00810	.00200	-.00050
.600	7.000	-.01180	.60240	.07620	.20150	-.00730	.00200	-.00070
.600	8.000	-.01820	.69360	.08780	.18730	-.00710	.00210	-.00090
.600	9.000	-.01980	.77610	.10410	.17210	-.00770	.00240	-.00090
.600	10.000	-.01510	.85270	.12440	.15460	-.00870	.00280	-.00040
.600	11.000	-.01470	.92240	.14820	.13660	-.00920	.00300	-.00010
.600	12.000	-.02030	.98640	.17480	.11810	-.00920	.00330	-.00010
GRADIENT		.00050	.10332	-.00244	-.01862	.00024	.00002	-.00006

RUN NO. 499/ 0 RN/L = 3.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.02640	-.33650	.08520	.35310	-.01190	.00190	.00060
.700	-1.000	-.02790	-.22540	.07370	.33910	-.01190	.00190	.00000
.700	.000	-.03020	-.11260	.06600	.32160	-.01160	.00200	-.00010
.700	1.000	-.03800	-.00350	.06150	.30390	-.01120	.00210	.00000
.700	2.000	-.03980	.10320	.05950	.28530	-.01130	.00240	.00010
.700	3.000	-.03160	.21190	.05920	.26310	-.01120	.00250	.00000
.700	4.000	-.02690	.32030	.06090	.24010	-.01030	.00230	-.00020
.700	5.000	-.02970	.42570	.06480	.22180	-.00890	.00210	-.00030
.700	6.000	-.03150	.52810	.07170	.20910	-.00770	.00200	-.00040
.700	7.000	-.02880	.62870	.08340	.19580	-.00710	.00200	-.00040
.700	8.000	-.02630	.71960	.10030	.17750	-.00750	.00220	.00000
.700	9.000	-.02400	.79900	.12120	.15470	-.00850	.00250	.00050
.700	10.000	-.01870	.87320	.14480	.12920	-.00870	.00250	.00050
.700	11.000	-.00930	.94490	.17090	.10300	-.00790	.00220	.00010
.700	12.000	-.00430	1.01040	.19950	.07600	-.00680	.00180	-.00010
GRADIENT		-.00023	.10888	-.00273	-.01915	.00036	.00006	-.00008

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT39.3)

(RGM120) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-10 = 10.000 ELV-09 = 13.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 506/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02820	-.17140	.07040	-.06760	-.00680	.00090	-.00040
300	-1.000	-.02420	-.06950	.06390	-.08890	-.00720	.00120	-.00060
300	.000	-.02230	.03340	.06030	-.11030	-.00660	.00110	-.00070
.300	1.000	-.02470	.12940	.05900	-.13270	-.00580	.00080	-.00060
.300	2.000	-.02130	.22440	.05940	-.15520	-.00590	.00080	-.00070
300	3.000	-.02050	.32030	.06090	-.17830	-.00670	.00090	-.00080
300	4.000	-.02340	.41390	.06350	-.20350	-.00750	.00120	-.00080
.300	5.000	-.02550	.50740	.06760	-.22840	-.00750	.00140	-.00080
.300	6.000	-.02490	.60380	.07370	-.25130	-.00680	.00150	-.00100
.300	7.000	-.02200	.69990	.08150	-.27250	-.00610	.00150	-.00130
.300	8.000	-.01780	.78850	.09020	-.29190	-.00560	.00140	-.00140
300	9.000	-.01710	.86970	.10000	-.30890	-.00600	.00160	-.00110
300	10.000	-.01980	.94620	.11460	-.32190	-.00720	.00220	-.00060
.300	11.000	-.02090	1.01710	.13650	-.33100	-.00800	.00270	-.00020
.300	12.000	-.02150	1.08150	.16250	-.33630	-.00800	.00290	-.00040
	GRADIENT	.00038	.09672	-.00023	-.02292	-.00008	.00003	-.00005

RUN NO. 505/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.499	-2.000	-.01600	-.19730	.07370	-.06470	-.00830	.00070	.00000
.499	-1.000	-.02200	-.08950	.06610	-.08890	-.00830	.00100	-.00020
.499	.000	-.02920	.01770	.06180	-.11100	-.00800	.00110	-.00030
.499	1.000	-.03590	.11880	.06030	-.13360	-.00750	.00110	-.00040
.499	2.000	-.03010	.21840	.06040	-.15750	-.00770	.00130	-.00050
.499	3.000	-.02500	.31820	.06180	-.18190	-.00800	.00140	-.00050
.499	4.000	-.02120	.41740	.06460	-.20620	-.00820	.00140	-.00040
.499	5.000	-.01840	.51550	.06920	-.23040	-.00800	.00150	-.00060
.499	6.000	-.01490	.61400	.07550	-.25290	-.00760	.00150	-.00080
.499	7.000	-.01570	.71120	.08380	-.27130	-.00720	.00160	-.00100
.499	8.000	-.01480	.80100	.09470	-.28470	-.00710	.00160	-.00110
.499	9.000	-.00790	.88170	.10910	-.29430	-.00700	.00170	-.00120
.499	10.000	-.00190	.95540	.12780	-.30150	-.00670	.00170	-.00130
.499	11.000	-.00580	1.02370	.15110	-.30680	-.00690	.00200	-.00130
.499	12.000	-.01780	1.08760	.17840	-.31140	-.00790	.00280	-.00120
	GRADIENT	.00023	.10149	-.00046	-.02361	.00003	.00010	-.00007

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM120) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

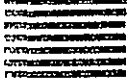
BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = 10.000 ELV-OB = 13.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 504/ 0 RN/L = 3.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.01360	-.21210	.07610	-.05720	-.00950	.00110	.00020
.600	-1.000	-.01300	-.10250	.06770	-.08120	-.00890	.00100	-.00020
.600	.000	-.01160	.00750	.06280	-.10460	-.00910	.00110	-.00040
.600	1.000	-.01400	.11220	.06070	-.12890	-.00910	.00130	-.00050
.600	2.000	-.01470	.21510	.06090	-.15330	-.00880	.00140	-.00040
.600	3.000	-.01020	.31800	.06240	-.17760	-.00860	.00140	-.00040
.600	4.000	-.00890	.41960	.06560	-.20140	-.00850	.00140	-.00040
.600	5.000	-.01330	.52140	.07050	-.22450	-.00810	.00140	-.00060
.600	6.000	-.01690	.62410	.07730	-.24550	-.00710	.00130	-.00080
.600	7.000	-.01430	.72340	.08680	-.26120	-.00600	.00120	-.00100
.600	8.000	-.01330	.81270	.10050	-.27120	-.00590	.00130	-.00110
.600	9.000	-.01550	.89260	.11830	-.27940	-.00680	.00160	-.00100
.600	10.000	-.01770	.96690	.13960	-.28790	-.00770	.00190	-.00050
.600	11.000	-.01910	1.03480	.16450	-.29380	-.00790	.00210	-.00010
.600	12.000	-.01880	1.09590	.19260	-.29720	-.00790	.00250	-.00020
	GRADIENT	.00031	.10452	-.00080	-.02399	.00016	.00006	-.00008

RUN NO. 503/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01520	-.23310	.08020	-.04860	-.01060	.00100	.00040
.700	-1.000	-.00910	-.11910	.07040	-.07040	-.01050	.00100	-.00020
.700	.000	-.00810	-.00390	.06440	-.09510	-.01030	.00100	-.00040
.700	1.000	-.01260	.10490	.06170	-.11890	-.01000	.00130	-.00030
.700	2.000	-.00840	.21290	.06120	-.14050	-.00960	.00140	-.00010
.700	3.000	-.00630	.32140	.06280	-.16490	-.00940	.00150	-.00020
.700	4.000	-.00850	.42920	.06630	-.19000	-.00890	.00140	-.00030
.700	5.000	-.01220	.53440	.07180	-.20940	-.00770	.00120	-.00030
.700	6.000	-.01770	.63740	.08030	-.22240	-.00620	.00100	-.00050
.700	7.000	-.02140	.73640	.09340	-.23360	-.00550	.00100	-.00060
.700	8.000	-.01700	.82510	.11160	-.24440	-.00580	.00110	-.00030
.700	9.000	-.01190	.90190	.13370	-.25390	-.00650	.00130	.00010
.700	10.000	-.01220	.97210	.15830	-.26230	-.00660	.00150	.00010
.700	11.000	-.01290	1.03870	.18510	-.26940	-.00620	.00140	-.00020
.700	12.000	-.01100	1.09860	.21440	-.27600	-.00560	.00130	-.00020
	GRADIENT	.00040	.10950	-.00101	-.02327	.00037	.00006	-.00005



CA5 K1 70 H15 6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM121) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 509/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79590	.54540	.05510	- .11260	.31980	-.03530	.04130
.300	-10.000	5.79740	.54430	.05770	-.10850	.26790	-.03140	03610
.300	-8.000	5.79980	.53850	.06090	-.09600	.21530	-.02740	03000
.300	-6.000	5.80180	.53530	.06410	-.08470	.16240	-.02350	02300
.300	-4.000	5.80220	.53740	.06700	-.07900	.11070	-.01980	.01570
.300	-3.000	5.80220	.53990	.06840	-.07790	.08640	-.01830	.01220
.300	-2.000	5.80180	.54240	.06980	-.07750	.06350	-.01720	00890
.300	-1.000	5.80180	.54390	.07080	-.07830	.04100	-.01590	00540
.300	.000	5.80180	.54460	.07120	-.07950	.01830	-.01450	00180
.300	1.000	5.80180	.54630	.07110	-.07970	-.00480	-.01330	-.00170
.300	2.000	5.80180	.54620	.07080	-.07980	-.02880	-.01220	-.00510
.300	3.000	5.80220	.54690	.07030	-.08060	-.05360	-.01090	-.00850
.300	4.000	5.80270	.54690	.06950	-.08260	-.07900	-.00940	-.01200
.300	6.000	5.80220	.54640	.06680	-.08940	-.13020	-.00630	-.01900
.300	8.000	5.79980	.54610	.06330	-.09760	-.18130	-.00320	-.02550
.300	10.000	5.79740	.54600	.05960	-.10470	-.23200	-.00030	-.03130
.300	12.000	5.80080	.54530	.05570	-.10790	-.28320	.00200	-.03660
GRADIENT		.00003	.00112	.00030	-.00047	-.02349	.00127	-.00347

RUN NO. 510/ 0 RN/L = 3.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.499	-12.000	5.79100	.55010	.05710	-.10390	.32270	-.03500	.04090
.499	-10.000	5.79200	.54990	.05840	-.09670	.27220	-.03160	03620
.499	-8.000	5.79300	.54750	.06130	-.08850	.22040	-.02860	.03020
.499	-6.000	5.79390	.54660	.06480	-.08180	.16700	-.02490	.02330
.499	-4.000	5.79440	.54860	.06820	-.07800	.11350	-.02030	01600
.499	-3.000	5.79390	.55100	.06960	-.07690	.08820	-.01850	01240
.499	-2.000	5.79390	.55400	.07070	-.07630	.06470	-.01730	.00890
.499	-1.000	5.79350	.55580	.07150	-.07680	.04220	-.01620	00540
.499	.000	5.79350	.55620	.07180	-.07840	.01920	-.01480	.00180
.499	1.000	5.79350	.55630	.07190	-.08100	-.00530	-.01350	-.00180
.499	2.000	5.79300	.55690	.07160	-.08380	-.03070	-.01220	-.00540
.499	3.000	5.79200	.55700	.07090	-.08600	-.05670	-.01080	-.00890
.499	4.000	5.79200	.55700	.07000	-.08750	-.08330	-.00920	-.01260
.499	6.000	5.79200	.55670	.06740	-.09200	-.13660	-.00590	-.01970
.499	8.000	5.79050	.55570	.06420	-.09980	-.18740	-.00320	-.02570
.499	10.000	5.78910	.55400	.06130	-.10530	-.23690	-.00100	-.03090
.499	12.000	5.78910	.55240	.05990	-.09620	-.28860	.00210	-.03610
GRADIENT		-.00029	.00096	.00022	-.00141	-.02434	.00134	-.00357

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TCS AT38.3)

(RGM121) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO 508/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.78560	.56270	.06080	-.09820	.32420	-.03420	.04130
.600	-10.000	5.78370	.56360	.06110	-.09120	.27620	-.03190	.03680
.600	-8.000	5.78610	.55980	.06350	-.08210	.22470	-.02910	.03100
.600	-6.000	5.78810	.55840	.06710	-.07530	.17130	-.02540	.02420
.600	-4.000	5.78810	.56150	.07050	-.07270	.11800	-.02120	.01650
.600	-3.000	5.78710	.56370	.07170	-.07240	.09200	-.01930	.01280
.600	-2.000	5.78660	.56520	.07250	-.07250	.06660	-.01780	.00910
.600	-1.000	5.78660	.56640	.07300	-.07460	.04230	-.01640	.00540
.600	.000	5.78610	.56740	.07330	-.07810	.01870	-.01490	.00160
.600	1.000	5.78560	.56860	.07370	-.08100	-.00540	-.01380	-.00210
.600	2.000	5.78560	.56950	.07370	-.08230	-.03110	-.01240	-.00570
.600	3.000	5.78560	.56990	.07320	-.08320	-.05830	-.01070	-.00930
.600	4.000	5.78560	.57080	.07230	-.08650	-.08670	-.00890	-.01300
.600	6.000	5.78520	.57230	.07010	-.09560	-.13890	-.00580	-.02010
.600	8.000	5.78560	.57070	.06750	-.09900	-.18920	-.00350	-.02610
.600	10.000	5.78610	.56670	.06540	-.09660	-.23850	-.00150	-.03120
.600	12.000	5.78470	.56300	.06430	-.09600	-.29230	.00250	-.03650
GRADIENT		-.00029	.00111	.00025	-.00189	-.02515	.00147	-.00370

RUN NO. 507/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.77730	.57520	.06790	-.06810	.32870	-.03270	.04150
.700	-10.000	5.77440	.58550	.06670	-.08030	.28720	-.03400	.03810
.700	-8.000	5.77490	.58040	.06760	-.06940	.23350	-.03030	.03200
.700	-6.000	5.77590	.57560	.07060	-.05970	.17720	-.02570	.02470
.700	-4.000	5.77590	.57690	.07420	-.06020	.12340	-.02200	.01720
.700	-3.000	5.77590	.57840	.07530	-.06130	.09720	-.02050	.01330
.700	-2.000	5.77690	.57880	.07560	-.06080	.07090	-.01890	.00940
.700	-1.000	5.77780	.57930	.07570	-.06150	.04490	-.01710	.00540
.700	.000	5.77830	.58030	.07610	-.06470	.01980	-.01510	.00150
.700	1.000	5.77930	.58160	.07680	-.06930	-.00540	-.01360	-.00230
.700	2.000	5.77980	.58230	.07720	-.07270	-.03220	-.01220	-.00600
.700	3.000	5.77930	.58250	.07870	-.07370	-.08030	-.01050	-.00970
.700	4.000	5.77830	.58340	.07590	-.07600	-.08800	-.00870	-.01340
.700	6.000	5.77690	.58690	.07430	-.08650	-.14170	-.00550	-.02050
.700	8.000	5.77640	.58930	.07220	-.09800	-.19500	-.00270	-.02700
.700	10.000	5.77640	.58910	.07070	-.10500	-.24770	-.00020	-.03280
.700	12.000	5.77640	.58540	.07130	-.10140	-.29930	.00270	-.03780
GRADIENT		.00045	.00079	.00025	-.00220	-.02624	.00167	-.00393

CA5 K1 F0 H15 6 V9 1 (PLUS. ORB TC5 AT38.3)

(RGM122) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 IORB = 4 000

RUN NO. 514/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	1.91210	.18590	.04020	-.01490	.32280	-.03200	.03630
.300	-10.000	1.91540	.17980	.04410	-.00840	.27180	-.02810	.03180
.300	-8.000	1.91780	.17710	.04830	-.00150	.22160	-.02460	.02660
.300	-6.000	1.92040	.17440	.05230	.00840	.16950	-.02100	.02080
.300	-4.000	1.92290	.17110	.05570	.01970	.11600	-.01750	.01460
.300	-3.000	1.92350	.17090	.05700	.02360	.08950	-.01610	.01170
.300	-2 000	1.92360	.17250	.05810	.02470	.06480	-.01530	.00880
.300	-1 000	1.92400	.17430	.05890	.02380	.04220	-.01480	.00600
.300	.000	1.92420	.17510	.05930	.02220	.02080	-.01430	.00320
.300	1.000	1.92330	.17570	.05920	.02000	-.00110	-.01430	.00060
.300	2.000	1.92250	.17700	.05890	.01680	-.02490	-.01420	-.00200
.300	3 000	1.92220	.17890	.05810	.01290	-.05110	-.01350	-.00490
.300	4.000	1.92220	.18120	.05700	.00900	-.07830	-.01200	-.00800
.300	6.000	1.92140	.18500	.05370	.00250	-.13270	-.00860	-.01420
.300	8.000	1.91850	.18800	.04940	-.00380	-.18660	-.00530	-.01980
.300	10.000	1.91410	.19140	.04490	-.01070	-.23970	-.00210	-.02470
.300	12.000	1.90980	.19870	.04160	-.01970	-.29350	.00190	-.02960
GRADIENT		-.00016	.00125	.00017	-.00158	-.02369	.00054	-.00279

RUN NO. 513/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	1.90920	.18270	.04320	-.01990	.32660	-.03190	.03640
.500	-10.000	1.91100	.17560	.04550	-.01360	.27540	-.02790	.03190
.500	-8.000	1.91240	.17240	.04930	-.00640	.22570	-.02500	.02700
.500	-6.000	1.91490	.16950	.05330	.00280	.17380	-.02200	.02130
.500	-4.000	1.91810	.16620	.05670	.01290	.11930	-.01850	.01500
.500	-3.000	1.91860	.16550	.05790	.01750	.09170	-.01690	.01180
.500	-2.000	1.91770	.16640	.05860	.02040	.06530	-.01580	.00880
.500	-1.000	1.91700	.16780	.05920	.02100	.04100	-.01500	.00600
.500	.000	1.91670	.16840	.05950	.01900	.01800	-.01420	.00310
.500	1.000	1.91630	.16910	.05960	.01420	-.00510	-.01400	.00030
.500	2.000	1.91560	.17020	.05940	.00880	-.02950	-.01380	-.00250
.500	3.000	1.91490	.17210	.05860	.00390	-.05600	-.01290	-.00540
.500	4.000	1.91460	.17520	.05750	-.00100	-.08380	-.01140	-.00840
.500	6.000	1.91380	.18140	.05450	-.01000	-.13920	-.00810	-.01440
.500	8.000	1.91150	.18450	.05090	-.01650	-.19150	-.00530	-.01970
.500	10.000	1.90750	.18630	.04730	-.02280	-.24140	-.00280	-.02430
.500	12.000	1.90450	.19300	.04420	-.03440	-.29400	.00110	-.02920
GRADIENT		-.00050	.00108	.00012	-.00211	-.02485	.00076	-.00289

CA5 KI F0 H15.8 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM122) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 2.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 1OR8 = 4.000

RUN NO. 512/ 0 RN/L = 3.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	1.90780	.18300	.04600	-.02220	.32790	-.03080	.03660
.600	-10.000	1.90870	.17740	.04740	-.01650	.27610	-.02740	.03190
.600	-8.000	1.91080	.17320	.05090	-.00940	.22720	-.02470	.02700
.600	-6.000	1.91260	.16900	.05470	.00100	.17630	-.02210	.02150
.600	-4.000	1.91390	.16470	.05790	.01330	.12240	-.01940	.01540
.600	-3.000	1.91520	.16300	.05880	.01850	.09440	-.01800	.01220
.600	-2.000	1.91650	.16240	.05930	.02160	.06680	-.01680	.00910
.600	-1.000	1.91690	.16310	.05970	.02170	.04110	-.01560	.00590
.600	.000	1.91560	.16470	.06020	.01930	.01710	-.01450	.00290
.600	1.000	1.91390	.16700	.06040	.01450	-.00680	-.01400	.00010
.600	2.000	1.91280	.16910	.06030	.00780	-.03210	-.01370	-.00280
.600	3.000	1.91240	.17100	.05950	.00070	-.05970	-.01270	-.00590
.600	4.000	1.91190	.17420	.05850	-.00640	-.08840	-.01120	-.00920
.600	6.000	1.90990	.18150	.05600	-.01890	-.14380	-.00780	-.01530
.600	8.000	1.90720	.18540	.05280	-.02810	-.19460	-.00520	-.02020
.600	10.000	1.90420	.18740	.04970	-.03490	-.24360	-.00310	-.02450
.600	12.000	1.90160	.19430	.04790	-.04260	-.30070	.00100	-.02990
	GRADIENT	-.00045	.00132	.00012	-.00278	-.02585	.00094	-.00304

RUN NO. 511/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	1.90030	.18360	.05020	-.02280	.32970	-.03040	.03670
.700	-10.000	1.89840	.18390	.05060	-.02390	.28430	-.02930	.03310
.700	-8.000	1.90170	.17940	.05320	-.01360	.23440	-.02610	.02790
.700	-6.000	1.90540	.17310	.05640	.00040	.18100	-.02280	.02190
.700	-4.000	1.90710	.16710	.05920	.01320	.12550	-.02010	.01570
.700	-3.000	1.90660	.16520	.06000	.01860	.09760	-.01900	.01260
.700	-2.000	1.90580	.16450	.06030	.02270	.06970	-.01780	.00950
.700	-1.000	1.90540	.16480	.06050	.02370	.04210	-.01630	.00620
.700	.000	1.90530	.16510	.06080	.02190	.01540	-.01460	.00300
.700	1.000	1.90390	.16660	.06120	.01610	-.01030	-.01370	-.00010
.700	2.000	1.90270	.16840	.06130	.00860	-.03650	-.01320	-.00300
.700	3.000	1.90230	.17020	.06080	.00280	-.06390	-.01240	-.00600
.700	4.000	1.90180	.17390	.06000	-.00330	-.09200	-.01110	-.00910
.700	6.000	1.89840	.18460	.05790	-.02080	-.14760	-.00800	-.01520
.700	8.000	1.89600	.19270	.05520	-.04050	-.20130	-.00470	-.02080
.700	10.000	1.89530	.19710	.05280	-.05340	-.25350	-.00160	-.02580
.700	12.000	1.89750	.20050	.05260	-.04430	-.30670	.00140	-.03060
	GRADIENT	-.00072	.00086	.00014	-.00249	-.02699	.00113	-.00310

CAS K1 F0 413.6 V9.1 (PLUS. ORB TC3 AT38.3)

(RGM123) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	7.74410	.72320	.07130	-.16160	.31490	-.03710	.04400
.300	-10.000	7.74370	.71770	.07300	-.15130	.26450	-.03380	.03860
.300	-8.000	7.74510	.71520	.07570	-.13910	.21350	-.03050	.03210
.300	-6.000	7.74710	.71420	.07850	-.12670	.16130	-.02840	.02470
.300	-4.000	7.74900	.71450	.08100	-.11700	.10950	-.02160	.01660
.300	-3.000	7.74850	.71580	.08230	-.11540	.08480	-.01940	.01260
.300	-2.000	7.74660	.71830	.08350	-.11680	.06180	-.01780	.00880
.300	-1.000	7.74610	.72110	.08440	-.11940	.04010	-.01620	.00490
.300	.000	7.74660	.72330	.08490	-.12090	.01860	-.01460	.00090
.300	1.000	7.74760	.72400	.08480	-.12040	-.00450	-.01290	-.00290
.300	2.000	7.74850	.72300	.08430	-.11940	-.02930	-.01120	-.00680
.300	3.000	7.74950	.72200	.08360	-.11890	-.05500	-.00950	-.01070
.300	4.000	7.74900	.72220	.08280	-.12260	-.08070	-.00770	-.01460
.300	6.000	7.74610	.72310	.08070	-.13040	-.13120	-.00430	-.02220
.300	8.000	7.74660	.71980	.07780	-.13540	-.18080	-.00170	-.02900
.300	10.000	7.74850	.71390	.07460	-.13600	-.23070	.00070	-.03490
.300	12.000	7.74660	.71120	.07220	-.13490	-.28390	.00370	-.04070
GRADIENT		.00014	.00103	.00022	-.00070	-.02345	.00170	-.00389

RUN NO. 517/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	7.73930	.72870	.07620	-.13110	.31870	-.03640	.04410
.500	-10.000	7.73540	.73420	.07630	-.13470	.27110	-.03410	.03950
.500	-8.000	7.73830	.73170	.07850	-.12750	.22130	-.03180	.03300
.500	-6.000	7.74020	.73010	.08140	-.11840	.16860	-.02780	.02540
.500	-4.000	7.73880	.73270	.08430	-.11250	.11480	-.02240	.01720
.500	-3.000	7.73780	.73540	.08550	-.11190	.08890	-.01990	.01320
.500	-2.000	7.73730	.73820	.08640	-.11250	.06460	-.01810	.00910
.500	-1.000	7.73730	.74020	.08720	-.11320	.04140	-.01640	.00490
.500	.000	7.73630	.74110	.08750	-.11350	.01830	-.01460	.00060
.500	1.000	7.73540	.74170	.08760	-.11400	-.00530	-.01290	-.00350
.500	2.000	7.73540	.74120	.08740	-.11520	-.03000	-.01120	-.00730
.500	3.000	7.73540	.74000	.08690	-.11780	-.05600	-.00930	-.01110
.500	4.000	7.73540	.73990	.08630	-.12080	-.08280	-.00720	-.01510
.500	6.000	7.73440	.74070	.08420	-.12550	-.13580	-.00370	-.02290
.500	8.000	7.73440	.73850	.08160	-.12780	-.18620	-.00140	-.02960
.500	10.000	7.73540	.73380	.07930	-.12880	-.23460	.00030	-.03540
.500	12.000	7.73780	.73070	.07890	-.13220	-.28480	.00350	-.04100
GRADIENT		-.00044	.00084	.00024	-.00095	-.02435	.00183	-.00405

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM123) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 516/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	7.73140	.74450	.08270	-.11720	.31990	-.03510	.04430
.600	-10.000	7.73050	.75270	.08270	-.12500	.27580	-.03480	.03970
.600	-8.000	7.73190	.74850	.08440	-.11550	.22560	-.03260	.03320
.600	-6.000	7.73490	.74510	.08700	-.10500	.17260	-.02850	.02560
.600	-4.000	7.73630	.74760	.08950	-.10140	.11910	-.02320	.01730
.600	-3.000	7.73580	.75010	.09060	-.10160	.09320	-.02090	.01300
.600	-2.000	7.73440	.75220	.09160	-.10200	.06840	-.01920	.00880
.600	-1.000	7.73490	.75320	.09220	-.10310	.04430	-.01740	.00460
.600	.000	7.73630	.75360	.09260	-.10580	.01990	-.01520	.00050
.600	1.000	7.73680	.75410	.09280	-.10860	-.00500	-.01330	-.00350
.600	2.000	7.73580	.75460	.09270	-.11100	-.03100	-.01150	-.00740
.600	3.000	7.73440	.75520	.09220	-.11290	-.05800	-.00950	-.01150
.600	4.000	7.73340	.75630	.09140	-.11440	-.08500	-.00750	-.01570
.600	6.000	7.73290	.75770	.08940	-.11780	-.13760	-.00390	-.02360
.600	8.000	7.73340	.75620	.08730	-.12240	-.18810	-.00140	-.03040
.600	10.000	7.73390	.75270	.08600	-.12670	-.23790	.00040	-.03610
.600	12.000	7.73440	.75100	.08660	-.12700	-.29150	.00350	-.04180
GRADIENT		-.00018	.00093	.00025	-.00182	-.02530	.00194	-.00410

RUN NO. 515/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	7.70800	.76230	.09700	-.10510	.33090	-.03600	.04430
.700	-10.000	7.70560	.76850	.09560	-.10720	.28720	-.03760	.03940
.700	-8.000	7.70650	.76590	.09580	-.09310	.23400	-.03350	.03290
.700	-6.000	7.70850	.76420	.09760	-.08210	.17820	-.02810	.02540
.700	-4.000	7.70950	.76670	.10040	-.08160	.12370	-.02350	.01730
.700	-3.000	7.70950	.76810	.10160	-.08240	.09720	-.02190	.01320
.700	-2.000	7.71000	.76890	.10250	-.08200	.07100	-.02040	.00900
.700	-1.000	7.71000	.76970	.10340	-.08370	.04520	-.01810	.00500
.700	.000	7.70950	.77130	.10430	-.08930	.01960	-.01520	.00100
.700	1.000	7.70850	.77340	.10460	-.09590	-.00680	-.01290	-.00290
.700	2.000	7.70750	.77430	.10420	-.09950	-.03410	-.01100	-.00680
.700	3.000	7.70700	.77340	.10340	-.09980	-.06190	-.00920	-.01080
.700	4.000	7.70700	.77290	.10270	-.10130	-.08940	-.00740	-.01490
.700	6.000	7.70650	.77480	.10200	-.11120	-.14300	-.00370	-.02270
.700	8.000	7.70510	.77720	.10080	-.12300	-.19580	-.00040	-.02950
.700	10.000	7.70460	.77560	.09970	-.13010	-.24840	.00210	-.03540
.700	12.000	7.70850	.76260	.10090	-.12230	-.30130	.00370	-.04110
GRADIENT		-.00040	.00092	.00032	-.00297	-.02653	.00211	-.00400

CA5 K1 F0 H15.6 V9 1 (PLUS. ORB TC5 AT38.3)

(RGM124) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-1B = 000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4 000

RUN NO. 525/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.80030	.54430	.05460	-.11650	.30230	-.02780	.04040
.300	-10.000	5.80220	.54290	.05710	-.11100	.25230	-.02450	.03540
.300	-8 000	5 80620	.53680	.06020	-.09800	.20040	-.02070	.02950
.300	-6 000	5.80860	.53410	.06350	-.08630	.14770	-.01680	.02270
.300	-4.000	5.80910	.53680	.06650	-.07990	.09630	-.01340	.01530
.300	-3 000	5 80910	.53960	.06780	-.07880	.07200	-.01200	.01170
.300	-2.000	5.80860	.54220	.06900	-.07880	.04920	-.01090	.00830
.300	-1.000	5.80710	.54360	.06990	-.07960	.02790	-.00990	.00490
.300	.000	5.80470	.54380	.07040	-.08030	.00630	-.00870	.00140
.300	1 000	5.80370	.54430	.07020	-.08030	-.01720	-.00740	-.00220
.300	2.000	5.80320	.54510	.06980	-.07980	-.04170	-.00610	-.00570
.300	3.000	5.80370	.54570	.06930	-.07990	-.06670	-.00470	-.00910
.300	4.000	5.80320	.54570	.06840	-.08170	-.09230	-.00310	-.01260
.300	6.000	5.80180	.54530	.06550	-.08940	-.14400	.00020	-.01980
.300	8 000	5 80030	.54580	.06200	-.09910	-.19550	.00370	-.02620
.300	10.000	5.79930	.54690	.05810	-.10750	-.24700	.00690	-.03180
.300	12.000	5.79640	.54580	.05460	-.11130	-.29950	.00940	-.03730
GRADIENT		-.00090	.00101	.00023	-.00022	-.02329	.00125	-.00348

RUN NO 524/ 0 RN/L = 2 92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79440	.55180	.05670	-.10780	.30700	-.02760	.04010
.500	-10.000	5 79490	.55210	.05800	-.10340	.25770	-.02490	.03570
.500	-8 000	5.79740	.54790	.06100	-.09290	.20780	-.02210	.02990
.500	-6.000	5.79680	.54600	.06450	-.08350	.15520	-.01840	.02310
.500	-4 000	5.79880	.54880	.06780	-.07850	.10120	-.01410	.01580
.500	-3.000	5.79830	.55180	.06910	-.07760	.07540	-.01240	.01210
.500	-2 000	5 79830	.55490	.07010	-.07710	.05170	-.01120	.00840
.500	-1 000	5.79880	.55670	.07070	-.07710	.02930	-.01010	.00490
.500	.000	5 79930	.55700	.07100	-.07790	.00680	-.00870	.00130
.500	1.000	5.79880	.55660	.07100	-.07940	-.01700	-.00750	-.00220
.500	2.000	5.79830	.55640	.07080	-.08150	-.04220	-.00620	-.00570
.500	3 000	5.79740	.55650	.07010	-.08360	-.06830	-.00460	-.00930
.500	4 000	5.79740	.55660	.06900	-.08530	-.09510	-.00270	-.01300
.500	6.000	5.79790	.55650	.06610	-.09020	-.14640	.00090	-.02000
.500	8.000	5.79690	.55540	.06290	-.09870	-.19990	.00360	-.02620
.500	10.000	5.79440	.55330	.06020	-.10550	-.25030	.00590	-.03160
.500	12.000	5.79390	.55150	.05870	-.09790	-.30290	.00950	-.03670
GRADIENT		-.00014	.00080	.00016	-.00094	-.02417	.00136	-.00358

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB TC5 AT38.3)

(RGM124) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

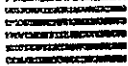
ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 10RB = 4.000

RUN NO. 523/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.78960	.56430	.06010	-.10030	.30880	-.02710	.04070
.600	-10.000	5.78960	.56680	.06040	-.09740	.26160	-.02620	.03620
.600	-8.000	5.79150	.56230	.06290	-.08680	.21060	-.02250	.03040
.600	-6.000	5.79250	.56010	.06630	-.07780	.15770	-.01910	.02360
.600	-4.000	5.79250	.56290	.06960	-.07450	.10480	-.01510	.01610
.600	-3.000	5.79200	.56500	.07080	-.07440	.07900	-.01330	.01240
.600	-2.000	5.79150	.56650	.07160	-.07480	.05400	-.01180	.00860
.600	-1.000	5.79200	.56730	.07210	-.07620	.03010	-.01040	.00480
.600	.000	5.79200	.56790	.07250	-.07830	.00690	-.00890	.00110
.600	1.000	5.79100	.56880	.07270	-.08020	-.01700	-.00770	-.00260
.600	2.000	5.79000	.56980	.07250	-.08090	-.04290	-.00640	-.00620
.600	3.000	5.79000	.57030	.07190	-.08110	-.07040	-.00450	-.00980
.600	4.000	5.79000	.57070	.07100	-.08270	-.09840	-.00250	-.01350
.600	6.000	5.79100	.57140	.06880	-.08950	-.15240	.00090	-.02070
.600	8.000	5.79150	.56980	.06610	-.09530	-.20300	.00340	-.02680
.600	10.000	5.79050	.56600	.06370	-.09920	-.25240	.00560	-.03200
.600	12.000	5.79000	.56230	.06310	-.09370	-.30820	.00990	-.03740
GRADIENT		-.00033	.00092	.00019	-.00115	-.02503	.00151	-.00370

RUN NO. 522/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.78030	.57930	.06750	-.07510	.31660	-.02690	.04140
.700	-10.000	5.77980	.58900	.06570	-.08200	.27210	-.02680	.03750
.700	-8.000	5.78080	.58400	.06710	-.07420	.22010	-.02380	.03160
.700	-6.000	5.78170	.57910	.07010	-.06670	.16550	-.01990	.02460
.700	-4.000	5.78220	.57980	.07340	-.06560	.11150	-.01620	.01690
.700	-3.000	5.78220	.58090	.07430	-.06610	.08470	-.01450	.01290
.700	-2.000	5.78120	.58110	.07470	-.06590	.05800	-.01280	.00890
.700	-1.000	5.78080	.58140	.07490	-.06590	.03170	-.01080	.00490
.700	.000	5.77980	.58210	.07520	-.06690	.00640	-.00870	.00090
.700	1.000	5.77930	.58340	.07580	-.06960	-.01890	-.00720	-.00300
.700	2.000	5.77830	.58400	.07600	-.07190	-.04590	-.00580	-.00680
.700	3.000	5.77830	.58350	.07560	-.07220	-.07440	-.00400	-.01050
.700	4.000	5.77930	.58410	.07490	-.07380	-.10240	-.00210	-.01430
.700	6.000	5.77980	.58830	.07310	-.08360	-.15550	.00150	-.02140
.700	8.000	5.77980	.59090	.07100	-.09620	-.21020	.00470	-.02810
.700	10.000	5.77930	.59010	.06950	-.10560	-.26380	.00760	-.03400
.700	12.000	5.77980	.58570	.07030	-.10290	-.31750	.01070	-.03920
GRADIENT		-.00048	.00055	.00022	-.00111	-.02652	.00176	-.00390



CAS K1 F0 H15.1A V9.1 (PLUS. ORB TCS AT38.3)

(RGM125) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN' YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 529/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.03050	-.21360	.06950	.08720	-.00830	.00060	.00010
.300	-1.000	-.03150	-.11430	.06220	.06960	-.00850	.00090	-.00010
.300	.000	-.03120	-.01350	.05780	.05110	-.00830	.00090	-.00030
.300	1.000	-.02850	.08330	.05580	.03150	-.00780	.00060	-.00030
.300	2.000	-.02500	.17690	.05560	.01200	-.00740	.00050	-.00030
.300	3.000	-.02340	.27110	.05640	-.00940	-.00780	.00050	-.00030
.300	4.000	-.02390	.36570	.05840	-.03380	-.00830	.00060	-.00040
.300	5.000	-.02390	.45900	.06210	-.05790	-.00830	.00060	-.00060
.300	6.000	-.02470	.55410	.06750	-.07870	-.00780	.00070	-.00080
.300	7.000	-.02350	.64930	.07460	-.09770	-.00700	.00080	-.00110
.300	8.000	-.01910	.73800	.08260	-.11610	-.00640	.00070	-.00130
.300	9.000	-.01900	.81880	.09190	-.13140	-.00720	.00100	-.00100
.300	10.000	-.02520	.89420	.10540	-.14300	-.00810	.00150	-.00040
.300	11.000	-.02950	.96500	.12560	-.15120	-.00840	.00200	-.00010
.300	12.000	-.02790	1.03000	.15100	-.15760	-.00880	.00260	-.00040
GRADIENT		.00132	.09590	-.00090	-.02064	.00003	-.00003	-.00008

RUN NO. 528/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.500	-2.000	-.02350	-.23580	.07260	.08440	-.01130	.00080	.00040
.500	-1.000	-.02040	-.13020	.06450	.06380	-.01090	.00110	.00020
.500	.000	-.02390	-.02340	.05950	.04460	-.01020	.00100	.00000
.500	1.000	-.02840	.07910	.05710	.02500	-.00970	.00090	-.00010
.500	2.000	-.02990	.17720	.05660	.00450	-.00960	.00090	-.00020
.500	3.000	-.02750	.27570	.05740	-.01800	-.00980	.00100	-.00030
.500	4.000	-.02530	.37500	.05960	-.04130	-.00980	.00090	-.00030
.500	5.000	-.02830	.47240	.06350	-.06310	-.00900	.00070	-.00040
.500	6.000	-.03370	.57040	.06940	-.08700	-.00890	.00080	-.00070
.500	7.000	-.03600	.66790	.07690	-.10890	-.00960	.00100	-.00100
.500	8.000	-.03490	.75760	.08710	-.12060	-.00970	.00120	-.00110
.500	9.000	-.03490	.83650	.10130	-.12400	-.00850	.00110	-.00120
.500	10.000	-.03390	.91000	.11930	-.12970	-.00750	.00100	-.00140
.500	11.000	-.02910	.98110	.14170	-.13980	-.00820	.00150	-.00150
.500	12.000	-.02330	1.04640	.16860	-.14790	-.00990	.00280	-.00140
GRADIENT		-.00064	.10094	-.00113	-.02103	.00027	-.00002	-.00011

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F0 H15.1A V9.1 (PLUS. ORB TC5 AT38.3)

(RGM125) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1338.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 527/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.00780	-.24900	.07470	.08840	-.01320	.00150	.00040
.600	-1.000	-.00660	-.14020	.06580	.06710	-.01230	.00130	.00000
.600	.000	-.00690	-.03070	.06020	.04600	-.01200	.00120	-.00020
.600	1.000	-.00970	.07310	.05760	.02610	-.01190	.00130	-.00030
.600	2.000	-.01490	.17590	.05690	.00540	-.01160	.00130	-.00030
.600	3.000	-.01760	.27860	.05790	-.01850	-.01100	.00120	-.00030
.600	4.000	-.01470	.38000	.06060	-.04240	-.01030	.00100	-.00030
.600	5.000	-.01340	.48140	.06480	-.06400	-.00950	.00090	-.00050
.600	6.000	-.01870	.58360	.07090	-.08310	-.00840	.00070	-.00080
.800	7.000	-.02530	.68240	.07990	-.09790	-.00780	.00070	-.00110
.800	8.000	-.02300	.77140	.09310	-.10720	-.00770	.00090	-.00120
.800	9.000	-.01940	.85180	.11050	-.11530	-.00870	.00140	-.00100
.600	10.000	-.02200	.92640	.13150	-.12580	-.00970	.00180	-.00050
.600	11.000	-.02700	.99360	.15600	-.13470	-.01010	.00210	-.00030
.600	12.000	-.02850	1.05420	.18340	-.14170	-.01020	.00260	-.00030
	GRADIENT	-.00139	.10410	-.00122	-.02177	.00047	-.00007	-.00010

RUN NO. 528/ 0 RN/L = 3.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.00650	-.26590	.07870	.08810	-.01380	.00120	.00060
.700	-1.000	-.01050	-.15310	.06840	.06810	-.01340	.00120	-.00010
.700	.000	-.01230	-.03900	.06180	.04750	-.01310	.00120	-.00020
.700	1.000	-.00670	.06940	.05850	.02690	-.01260	.00130	-.00010
.700	2.000	-.00480	.17710	.05750	.00420	-.01260	.00150	-.00010
.700	3.000	-.00960	.28570	.05850	-.01860	-.01250	.00160	-.00020
.700	4.000	-.01220	.39370	.06140	-.04000	-.01150	.00140	-.00030
.700	5.000	-.00470	.49950	.06620	-.05850	-.01010	.00110	-.00040
.700	6.000	.00120	.60280	.07430	-.07250	-.00880	.00100	-.00060
.700	7.000	-.00730	.70210	.08730	-.08300	-.00810	.00100	-.00060
.700	8.000	-.01760	.79090	.10520	-.09360	-.00850	.00130	-.00030
.700	9.000	-.02040	.88800	.12720	-.10680	-.00950	.00170	.00020
.700	10.000	-.02080	.93760	.15100	-.12010	-.00990	.00190	-.00010
.700	11.000	-.01710	1.00680	.17840	-.13360	-.00920	.00180	-.00020
.700	12.000	.00730	1.07750	.21090	-.15020	-.00870	.00150	.00080
	GRADIENT	.00017	.10921	-.00159	-.02128	.00044	.00002	-.00010



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H13.8 V8.1 (PLUS. ORB NOZ AT38.3)

(R0M126) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 533/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.300	-2.000	-.02050	-.22990	.08230	.11780	-.00920	.00120	.00000
.300	-1.000	-.02250	-.12810	.07480	.09520	-.00870	.00150	.00000
.300	.000	-.02700	-.02600	.07020	.07330	-.00840	.00150	-.00010
300	1.000	-.02930	.06950	.06810	.05290	-.00870	.00140	-.00020
300	2.000	-.02060	.16440	.06740	.03010	-.00850	.00120	-.00020
300	3.000	-.01990	.25970	.06780	.00500	-.00860	.00130	-.00020
.300	4.000	-.02700	.35290	.06960	-.02070	-.00920	.00140	-.00020
.300	5.000	-.03080	.44600	.07290	-.04610	-.00920	.00140	-.00030
.300	6.000	-.02870	.54170	.07790	-.06990	-.00870	.00160	-.00060
.300	7.000	-.02410	.63730	.08450	-.09170	-.00790	.00160	-.00080
300	8.000	-.02440	.72500	.09230	-.11130	-.00740	.00140	-.00090
300	9.000	-.02880	.80520	.10120	-.12810	-.00790	.00150	-.00080
300	10.000	-.03120	.88120	.11430	-.14100	-.00880	.00200	-.00030
.300	11.000	-.02790	.95290	.13430	-.14950	-.00910	.00240	.00010
300	12.000	-.02790	1.01780	.15950	-.15450	-.00950	.00280	-.00010
GRADIENT		-.00077	.09629	-.00119	-.02327	-.00003	.00000	-.00004

RUN NO. 532/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
500	-2.000	-.02440	-.25300	.08550	.11090	-.01060	.00120	.00040
.500	-1.000	-.02230	-.14590	.07710	.08650	-.01000	.00140	.00030
500	.000	-.01830	-.03940	.07180	.06410	-.00950	.00140	.00020
500	1.000	-.02090	.06310	.06910	.04260	-.00940	.00150	.00000
.500	2.000	-.02330	.16220	.06840	.01890	-.00900	.00140	.00000
500	3.000	-.02140	.26130	.06910	-.00630	-.00910	.00140	.00000
.500	4.000	-.01820	.36020	.07090	-.03130	-.00950	.00160	.00000
.500	5.000	-.01320	.45790	.07450	-.05600	-.00950	.00160	-.00020
.500	6.000	-.00920	.55560	.07990	-.07940	-.00910	.00160	-.00040
.500	7.000	-.01000	.65260	.08710	-.09880	-.00880	.00170	-.00050
.500	8.000	-.01440	.74250	.09710	-.11220	-.00860	.00170	-.00070
.500	9.000	-.01250	.82310	.11040	-.12120	-.00850	.00170	-.00080
.500	10.000	-.00740	.89720	.12780	-.12890	-.00810	.00170	-.00090
.500	11.000	-.01070	.96670	.15020	-.13590	-.00800	.00190	-.00090
.500	12.000	-.02060	1.03190	.17690	-.14300	-.00930	.00280	-.00090
GRADIENT		.00104	.10125	-.00139	-.02372	.00014	.00004	-.00007

CA5 K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38 3)

(RGM126) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 531/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.600	-2.000	-.02200	-.26640	.08780	.10670	-.01150	.00150	.00060
.600	-1.000	-.01970	-.15810	.07840	.08540	-.01070	.00140	.00020
.600	.000	-.02050	-.04850	.07230	.06260	-.01050	.00150	.00000
.600	1.000	-.02370	.05630	.06940	.03880	-.01070	.00170	-.00020
.600	2.000	-.02020	.15890	.06850	.01430	-.01020	.00160	-.00010
.600	3.000	-.01410	.26210	.06910	-.01050	-.00980	.00160	.00000
.600	4.000	-.01320	.36380	.07130	-.03440	-.00930	.00150	.00000
.600	5.000	-.01460	.46470	.07540	-.05800	-.00870	.00150	-.00020
.600	6.000	-.01330	.56710	.08140	-.08010	-.00800	.00140	-.00060
.600	7.000	-.01100	.66710	.09000	-.09710	-.00750	.00140	-.00080
.600	8.000	-.01050	.75700	.10230	-.10800	-.00730	.00140	-.00070
.600	9.000	-.01680	.83720	.11860	-.11670	-.00810	.00170	-.00050
.600	10.000	-.02530	.91190	.13890	-.12640	-.00890	.00200	-.00030
.600	11.000	-.02720	.97950	.16300	-.13410	-.00870	.00210	-.00040
.600	12.000	-.02390	1.03980	.19000	-.13900	-.00870	.00240	-.00040
	GRADIENT	.00127	.10430	-.00158	-.02376	.00035	.00001	-.00008

RUN NO. 530/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	CL	CD	CLM	CY	CLN	CSL
.700	-2.000	-.01850	-.28580	.09130	.10100	-.01160	.00130	.00080
.700	-1.000	-.01900	-.17290	.08070	.08030	-.01120	.00130	.00020
.700	.000	-.01910	-.05880	.07390	.05940	-.01040	.00130	.00010
.700	1.000	-.01880	.04910	.07040	.03930	-.00900	.00120	.00040
.700	2.000	-.01990	.15820	.06900	.01540	-.00840	.00120	.00060
.700	3.000	-.01720	.26760	.06960	-.01000	-.00790	.00120	.00050
.700	4.000	-.01540	.37490	.07220	-.03450	-.00690	.00100	.00050
.700	5.000	-.01870	.48020	.07660	-.05640	-.00670	.00110	.00020
.700	6.000	-.02180	.58440	.08370	-.07340	-.00680	.00130	-.00020
.700	7.000	-.01920	.68460	.09560	-.08600	-.00680	.00140	-.00030
.700	8.000	-.01640	.77390	.11280	-.09750	-.00720	.00160	-.00010
.700	9.000	-.01680	.85040	.13400	-.10970	-.00790	.00180	.00020
.700	10.000	-.01930	.92020	.15770	-.11860	-.00770	.00180	.00010
.700	11.000	-.02040	.98630	.18330	-.12240	-.00660	.00150	.00000
.700	12.000	-.01550	1.04470	.21040	-.12920	-.00700	.00170	.00010
	GRADIENT	.00025	.10940	-.00190	-.02271	.00076	-.00004	-.00002

CA5 K1 F0 H15.6 V9.1 (PLUS, ORB NOZ AT38.3)

(RGM127) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 1ORB = 4 000

RUN NO. 539/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.300	-12.000	5.79790	.53570	.06760	-.08960	.29100	-.01560	.03910
.300	-10.000	5.79980	.53270	.07080	-.08790	.23590	-.01160	.03310
.300	-8.000	5.80180	.52830	.07370	-.07860	.18150	-.00700	.02650
.300	-6.000	5.80270	.52720	.07590	-.07120	.12810	-.00310	.01980
.300	-4.000	5.80320	.53030	.07750	-.06960	.07700	-.00030	.01300
.300	-3.000	5.80320	.53320	.07800	-.07130	.05260	.00060	.00970
.300	-2.000	5.80270	.53590	.07850	-.07380	.02950	.00120	.00630
.300	-1.000	5.80220	.53690	.07890	-.07540	.00840	.00150	.00310
.300	.000	5.80220	.53700	.07910	-.07490	-.01190	.00180	.00000
.300	1.000	5.80320	.53740	.07950	-.07280	-.03380	.00240	-.00320
.300	2.000	5.80370	.53800	.07970	-.07150	-.05760	.00320	-.00650
.300	3.000	5.80420	.53840	.07970	-.07200	-.08220	.00410	-.00980
.300	4.000	5.80320	.53830	.07940	-.07290	-.10690	.00510	-.01310
.300	6.000	5.79980	.53750	.07760	-.07580	-.15680	.00730	-.01980
.300	8.000	5.79690	.53750	.07430	-.08260	-.20970	.01060	-.02650
.300	10.000	5.79590	.53800	.07000	-.08990	-.26500	.01450	-.03290
.300	12.000	5.79390	.53650	.06610	-.09000	-.32040	.01790	-.03870
GRADIENT		.00010	.00087	.00026	-.00013	-.02261	.00062	-.00325

RUN NO 537/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	CL	CD	CLM	CY	CLN	CSL
.500	-12.000	5.79200	.53990	.06940	-.08490	.29760	-.01570	.03900
.500	-10.000	5.79540	.53800	.07160	-.08120	.24040	-.01190	.03310
.500	-8.000	5.79690	.53550	.07420	-.07590	.18680	-.00800	.02680
.500	-6.000	5.79790	.53500	.07670	-.07220	.13350	-.00400	.02000
.500	-4.000	5.79790	.53740	.07870	-.07200	.08060	-.00050	.01310
.500	-3.000	5.79740	.54000	.07940	-.07360	.05550	.00060	.00970
.500	-2.000	5.79690	.54320	.07970	-.07610	.03250	.00120	.00630
.500	-1.000	5.79640	.54530	.07970	-.07830	.01120	.00130	.00310
.500	.000	5.79640	.54540	.07990	-.07880	-.00980	.00150	-.00010
.500	1.000	5.79690	.54470	.08050	-.07730	-.03200	.00180	-.00330
.500	2.000	5.79690	.54440	.08090	-.07630	-.05610	.00260	-.00650
.500	3.000	5.79690	.54450	.08080	-.07650	-.08150	.00370	-.00990
.500	4.000	5.79640	.54430	.08030	-.07880	-.10710	.00490	-.01320
.500	6.000	5.79640	.54290	.07820	-.07770	-.15910	.00750	-.01990
.500	8.000	5.79390	.54120	.07510	-.08090	-.21330	.01030	-.02640
.500	10.000	5.79590	.53990	.07170	-.08390	-.26950	.01360	-.03270
.500	12.000	5.79540	.54050	.06870	-.08210	-.32740	.01790	-.03900
GRADIENT		-.00012	.00071	.00023	-.00046	-.02304	.00057	-.00327

CAS K1 F0 H15.6 V9.1 (PLUS. ORB NOZ AT38.3)

(RGM127) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

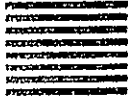
ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-8 = .000 1ORB = 4.000

RUN NO. 536/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.600	-12.000	5.79100	.54900	.07150	-.06850	.30120	-.01520	.03940
.600	-10.000	5.79000	.55150	.07300	-.07640	.24820	-.01240	.03420
.600	-8.000	5.79150	.54790	.07570	-.07110	.19220	-.00820	.02780
.600	-6.000	5.79250	.54610	.07830	-.06700	.13630	-.00400	.02080
.600	-4.000	5.79300	.54900	.08020	-.07030	.08300	-.00060	.01350
.600	-3.000	5.79250	.55110	.08060	-.07450	.05800	.00050	.01000
.600	-2.000	5.79200	.55280	.08060	-.07880	.03450	.00110	.00660
.600	-1.000	5.79150	.55360	.08050	-.08150	.01270	.00130	.00330
.600	.000	5.79150	.55420	.08090	-.08180	-.00850	.00130	.00000
.600	1.000	5.79200	.55490	.08160	-.07980	-.03060	.00150	-.00330
.600	2.000	5.79200	.55550	.08220	-.07700	-.05530	.00220	-.00670
.600	3.000	5.79150	.55590	.08230	-.07470	-.08160	.00340	-.01010
.600	4.000	5.79200	.55600	.08200	-.07350	-.10810	.00460	-.01350
.600	6.000	5.79200	.55460	.08010	-.07410	-.16150	.00710	-.02050
.600	8.000	5.79200	.55300	.07710	-.07920	-.21620	.01000	-.02720
.600	10.000	5.79200	.55160	.07390	-.08300	-.27270	.01340	-.03350
.600	12.000	5.79300	.54730	.07190	-.07110	-.33220	.01800	-.03930
GRADIENT		-.00011	.00082	.00028	-.00013	-.02343	.00053	-.00336

RUN NO. 535/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL
.700	-12.000	5.77930	.56460	.07590	-.05080	.31070	-.01570	.04080
.700	-10.000	5.77980	.56790	.07590	-.05360	.25730	-.01270	.03560
.700	-8.000	5.78030	.56460	.07820	-.05460	.19860	-.00810	.02860
.700	-6.000	5.78120	.56260	.08100	-.05850	.14100	-.00370	.02140
.700	-4.000	5.78220	.56430	.08300	-.06590	.08740	-.00080	.01410
.700	-3.000	5.78170	.56540	.08320	-.07020	.06210	.00010	.01050
.700	-2.000	5.78080	.56580	.08260	-.07340	.03760	.00060	.00690
.700	-1.000	5.78030	.56580	.08220	-.07400	.01440	.00100	.00330
.700	.000	5.78080	.56600	.08240	-.07260	-.00780	.00130	-.00020
.700	1.000	5.78170	.56650	.08340	-.07110	-.03060	.00160	-.00360
.700	2.000	5.78220	.56710	.08440	-.07000	-.05570	.00220	-.00710
.700	3.000	5.78220	.56740	.08470	-.06900	-.08260	.00320	-.01050
.700	4.000	5.78170	.56750	.08440	-.06830	-.10990	.00450	-.01410
.700	6.000	5.78220	.56830	.08270	-.06860	-.16500	.00730	-.02140
.700	8.000	5.78170	.56990	.08020	-.07140	-.22220	.01050	-.02850
.700	10.000	5.78170	.57090	.07780	-.07430	-.28120	.01410	-.03520
.700	12.000	5.78220	.56760	.07680	-.07170	-.34260	.01860	-.04160
GRADIENT		.00006	.00037	.00025	.00006	-.02425	.00057	-.00351



CA5 ORB TC5 AY38.1 (PRES. KI F20 HI5.6 V9.1)

(AGM063) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 45.000 S3-4 = 45 000
 S5-6 = 45.000 10RB = 9 700

RUN NO. 277/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.500	5.320	.13670	.31830	.04360	.07240	-.00800	.00020	-.00310	.00340
.501	6.222	.13620	.34530	.04670	.07380	-.00760	.00040	-.00310	00280
.501	7.035	.13600	.37100	.05020	.07610	-.00790	.00050	-.00320	00260
.500	7.875	.13550	.39690	.05450	.07870	-.00730	.00060	-.00330	00220
.500	8.870	.12880	.42530	.06030	.08280	-.00710	.00060	-.00330	.00230
.501	9.968	.12800	.45640	.06780	.08740	-.00750	.00090	-.00330	.00160
.499	10.939	.12750	.48020	.07430	.09190	-.00760	.00110	-.00330	.00100
.500	11.802	.11870	.50970	.08310	.09570	-.00810	.00140	-.00330	.00080
.501	12.801	.11910	.54070	.09320	.10080	-.00830	.00180	-.00300	-.00040
.500	13.770	.11880	.57160	.10450	.10540	-.00850	.00170	-.00260	-.00080
.500	14.788	.12550	.60870	.11810	.10980	-.00820	.00180	-.00240	-.00100
.500	15.713	.13120	.63790	.13180	.11430	-.00980	.00210	-.00210	-.00230
.500	16.837	.12300	.67300	.15090	.11810	-.01080	.00250	-.00160	-.00360
.501	17.795	.13640	.69490	.17530	.11980	-.00760	.00130	-.00410	.00320
.499	18.690	.13640	.72110	.19430	.12310	-.00710	.00150	-.00480	.00320
.499	19.648	.13650	.74650	.21470	.12670	-.00660	.00180	-.00560	.00340
.499	20.605	.13160	.76870	.23610	.13100	-.00480	.00170	-.00700	.00560
.500	21.647	.13240	.78450	.25690	.13780	-.00390	.00190	-.00790	.00650
.500	22.593	.13290	.79350	.27410	.14690	-.00350	.00190	-.00800	.00700
.499	23.543	.13320	.79470	.28900	.15770	-.00290	.00190	-.00810	.00740
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
OF POOR QUALITY



CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.8 V9.1)

(AGM064) (20 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-OB = 13.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 TORB = 9.700

RUN NO. 281/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	5.379	-.00850	.34980	.04750	.07440	-.00630	.00020	-.00240	.00320
.601	6.289	-.00930	.37740	.05120	.07640	-.00640	.00040	-.00240	.00240
.601	7.113	-.00280	.40440	.05490	.07910	-.00610	.00050	-.00230	.00210
.600	7.921	-.01050	.42950	.05930	.08280	-.00620	.00070	-.00240	.00130
.600	8.988	-.01200	.45980	.06670	.08770	-.00630	.00100	-.00230	-.00020
.600	9.949	-.02110	.48940	.07500	.09190	-.00710	.00150	-.00220	-.00250
.600	10.931	-.01720	.51770	.08560	.09620	-.00820	.00210	-.00130	-.00560
.600	11.959	-.01720	.54960	.10030	.09910	-.00810	.00200	-.00070	-.00560
.600	12.911	-.02190	.57610	.11510	.10160	-.00730	.00160	-.00130	-.00330
.600	13.897	-.01450	.60370	.13110	.10510	-.00710	.00160	-.00140	-.00280
.600	14.903	-.02100	.63390	.14910	.10870	-.00690	.00160	-.00170	-.00240
.599	15.928	-.01360	.65960	.16680	.11250	-.00690	.00160	-.00210	-.00190
.599	17.003	-.01300	.68640	.18870	.11750	-.00630	.00170	-.00280	-.00130
.600	17.897	-.00650	.70560	.20650	.12110	-.00630	.00200	-.00300	-.00170
.600	18.824	-.00640	.72610	.22520	.12520	-.00670	.00210	-.00320	-.00160
.600	19.807	-.01360	.74290	.24380	.13140	-.00700	.00220	-.00290	-.00200
.600	20.758	-.00680	.75600	.26120	.13820	-.00640	.00220	-.00300	-.00210
.600	21.799	-.01370	.75950	.27720	.14930	-.00580	.00200	-.00240	-.00210
.600	22.747	-.00630	.78530	.29430	.15860	-.00530	.00200	-.00270	-.00160
.601	23.716	-.01290	.77300	.31310	.16880	-.00480	.00190	-.00260	-.00130
	GRADIENT	00000	.00000	.00000	.00000	.00000	.00000	00000	.00000

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CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM064) (20 JAN 75)

REFERENCE DATA

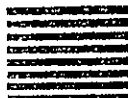
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6900 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 280/ 0 RN/L = 3.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.700	5.496	-.00540	.38780	.05800	.07410	-.00880	.00120	-.00250	- 00060
.699	6.342	-.00730	.41230	.06440	.07590	-.00900	.00140	-.00210	-.00250
.699	7.247	-.00880	.43800	.07270	.07830	-.00910	.00160	-.00150	-.00400
.699	8.022	-.00930	.45930	.08040	.08120	-.00910	.00170	-.00130	- 00450
.701	9.124	-.00780	.48800	.09240	.08480	-.00840	.00150	-.00190	-.00300
.700	9.892	-.01400	.50900	.10120	.08800	-.00780	.00150	-.00210	-.00230
.700	11.033	-.01410	.53630	.11550	.09320	-.00800	.00150	-.00180	-.00240
.700	12.078	-.00800	.56260	.13030	.09670	-.00800	.00160	-.00160	-.00320
.700	13.001	-.00870	.58440	.14420	.10020	-.00760	.00170	-.00140	-.00400
.700	14.005	-.01510	.61020	.16110	.10310	-.00720	.00160	-.00170	-.00340
.699	15.011	-.01450	.63960	.18030	.10550	-.00690	.00160	-.00190	-.00290
.699	15.915	-.00670	.66380	.19810	.10760	-.00710	.00160	-.00230	-.00190
.700	17.089	-.01240	.69080	.22110	.11200	-.00720	.00160	-.00260	-.00070
.700	18.007	-.01020	.70550	.23720	.11790	-.00660	.00130	-.00280	.00170
.699	18.951	-.00760	.72090	.25420	.12570	-.00700	.00100	-.00290	00440
.700	19.933	-.00320	.72940	.27010	.13590	-.00850	.00020	-.00220	00910
.701	20.915	-.00020	.73650	.28550	.14750	-.01000	-.00040	-.00150	01240
.700	22.006	.00460	.73980	.30120	.16180	-.01100	-.00150	-.00060	.01770
.700	22.941	-.00520	.74370	.31570	.17530	-.01090	-.00210	-.00090	.02230
.700	23.941	.00770	.74620	.33120	.19250	-.01030	-.00250	-.00250	.02900
	GRADIENT	.00000	.00000	.00000	.00000	.00000	00000	.00000	00000



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.1 (PRES. KI F20 H15.6 V9.1)

(AOMD65) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 TORB = 9.700

RUN NO. 284/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	5.415	.01290	.34880	.04760	.07410	-.00600	00000	-.00230	.00400
.600	6.280	.01920	.37520	.05100	.07600	-.00590	.00020	-.00230	.00330
.599	7.105	.01900	.40140	.05470	.07890	-.00600	.00030	-.00240	.00310
.600	7.961	.01820	.42990	.05970	.08270	-.00580	.00050	-.00240	.00230
.600	8.998	.01670	.45850	.06660	.08760	-.00630	.00080	-.00230	.00080
.600	9.988	.01450	.48790	.07510	.09190	-.00700	.00130	-.00220	-.00150
.600	10.926	.01120	.51660	.08570	.09590	-.00840	.00200	-.00130	-.00480
.599	11.982	-.00240	.54860	.10020	.09900	-.00820	.00180	-.00080	-.00460
.599	12.911	.00660	.57570	.11500	.10160	-.00730	.00150	-.00130	-.00250
.601	13.893	-.00030	.60320	.13090	.10490	-.00670	.00150	-.00140	-.00250
.601	14.957	-.00010	.63570	.14960	.10900	-.00620	.00150	-.00160	-.00230
.601	15.815	.00760	.65910	.16580	.11230	-.00580	.00150	-.00230	-.00140
.600	16.977	.00140	.68570	.18720	.11720	-.00520	.00170	-.00320	-.00070
.601	18.209	.00910	.71360	.21180	.12210	-.00510	.00180	-.00400	.00010
.600	18.848	.00870	.72750	.22450	.12540	-.00520	.00200	-.00400	-.00030
.600	19.803	.01520	.74530	.24370	.13040	-.00560	.00210	-.00380	-.00080
.599	20.759	.00740	.75640	.26020	.13850	-.00610	.00230	-.00350	-.00170
.599	21.795	.01420	.75880	.27630	.14910	-.00580	.00210	-.00280	-.00190
.599	22.766	.01410	.76690	.29350	.15880	-.00570	.00210	-.00260	-.00190
.601	23.727	.01480	.77490	.31260	.16910	-.00520	.00200	-.00270	-.00130
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM067) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6.000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-IB = 000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO 288/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.097	13.74440	.61250	.10980	.08110	.18320	-.01100	.05390	-.07800
.500	-10.058	13.75900	.59560	.10490	.09340	.16220	-.01420	.04740	-.05160
.500	-8.075	13.78070	.57210	.09980	.10730	.12390	-.00990	.03950	-.04650
.501	-6.026	13.78670	.57490	.10130	.10890	.09440	-.00830	.02910	-.03130
.501	-4.004	13.78920	.57600	.10280	.10940	.06210	-.00500	.01850	-.02190
.501	-3.018	13.79080	.57520	.10360	.11070	.04490	-.00300	.01310	-.01780
.500	-2.031	13.78570	.57380	.10430	.10930	.02860	-.00140	.00820	-.01330
.500	-.994	13.78030	.57650	.10530	.10560	.01230	-.00010	.00300	-.00700
.501	.027	13.78280	.57710	.10570	.10570	-.00460	.00160	-.00220	-.00240
.501	1.119	13.77710	.58490	.10740	.10080	-.02220	.00310	-.00740	.00340
.501	2.114	13.77520	.58890	.10770	.09940	-.03790	.00450	-.01280	.00920
.501	3.100	13.77540	.58960	.10690	.09770	-.05470	.00640	-.01760	.01290
.501	4.087	13.77110	.58820	.10560	.09620	-.07210	.00820	-.02290	.01750
.501	6.084	13.76430	.58570	.10390	.09450	-.10380	.01060	-.03330	.03000
.500	8.111	13.75420	.59030	.10510	.08840	-.13440	.01220	-.04240	.04410
.501	10.144	13.74180	.60570	.11050	.07780	-.16370	.01170	-.04970	.06410
.500	12.172	13.71770	.62850	.11570	.06280	-.19290	.01190	-.05550	.07970
GRADIENT	-00234		.00215	.00049	-.00191	-.01641	.00157	-.00507	.00499

RUN NO. 287/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.156	13.84240	.63840	.13980	.07810	.18940	-.01270	.04020	-.08170
.601	-10.076	13.87090	.62110	.13360	.09270	.17090	-.01730	.03460	-.04130
.601	-8.061	13.89150	.60490	.13120	.10390	.13520	-.01390	.02790	-.03220
.600	-6.015	13.89310	.60120	.13080	.10520	.10250	-.01150	.02150	-.01970
.601	-4.006	13.89960	.60760	.13130	.10550	.06630	-.00690	.01490	-.01670
.600	-3.001	13.89960	.60530	.13090	.10710	.04770	-.00440	.01060	-.01470
.601	-2.016	13.90090	.60190	.13060	.10720	.02940	-.00220	.00650	-.01180
.601	-.987	13.89200	.60450	.13100	.10370	.01240	-.00050	.00250	-.00690
.599	.026	13.88880	.60360	.13040	.10420	-.00680	.00170	-.00170	-.00340
.600	1.047	13.88410	.61090	.13280	.09880	-.02460	.00380	-.00560	.00010
.600	2.076	13.88170	.61600	.13400	.09700	-.04130	.00540	-.01000	.00580
.600	3.110	13.88020	.61820	.13390	.09570	-.06080	.00790	-.01470	.00860
.600	4.067	13.87820	.61510	.13270	.09520	-.07860	.01020	-.01870	.01090
.601	6.157	13.86960	.61620	.13250	.09090	-.11510	.01390	-.02570	.01920
.600	8.139	13.86050	.61950	.13170	.08690	-.14630	.01510	-.03230	.03690
.600	10.184	13.83780	.63430	.13690	.07460	-.17510	.01440	-.03820	.06250
.599	12.189	13.80600	.65740	.14390	.05680	-.20370	.01450	-.04360	.08340
GRADIENT	-.00313		.00171	.00038	-.00166	-.01781	.00205	-.00413	.00366

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 195

CAS ORB TC5 AT38.1 (PRES. KI F20 H15.6 V9.1)

(AGM067) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45 000 IORB = 9.700

RUN NO. 286/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	O1ORB
.700	-12.155	13.95600	.66750	.17240	.07730	.19880	-.00740	.03290	- 13080
.700	-10.102	13.99040	.64770	.16970	.09360	.16470	-.00770	.02650	- 09730
.699	-8.024	14.00360	.63750	.16820	.10110	.13760	-.01080	.02150	- 05140
.700	-6.022	14.00350	.63250	.16810	.10050	.10650	-.01050	.01740	- 02730
.700	-4.033	14.00540	.62540	.16620	.10230	.06840	-.00610	.01180	- 02300
.700	-3.052	14.01010	.62070	.16440	.10510	.04910	-.00360	.00800	- 02080
.700	-2.034	14.00550	.61430	.16240	.10530	.03090	-.00160	.00450	- 01640
.700	-.941	13.99670	.61320	.16170	.10200	.01180	.00000	.00140	- 00960
.700	.011	14.00010	.61140	.16130	.10270	-.00590	.00170	-.00160	- 00490
.700	1.003	13.98880	.61880	.16350	.09740	-.02420	.00390	- 00490	- 00190
.701	2.026	13.98870	.62520	.16500	.09550	-.04160	.00540	- 00820	00420
.699	3.039	13.98690	.63020	.16570	.09470	-.06200	.00790	- 01170	00680
.700	4.129	13.98780	.62950	.16530	.09500	-.08350	.01030	- 01540	01100
.700	6.047	13.97600	.63720	.16670	.09110	-.11760	.01210	- 01980	02770
.700	8.054	13.96150	.64430	.16780	.08430	-.14530	.01060	- 02480	.06320
.699	10.038	13.93050	.66320	.17200	.07140	-.17450	.00910	- 02880	09800
.700	12.079	13.89470	.68090	.17480	.05590	-.20770	.00840	- 03550	13370
	GRADIENT	-.00298	.00118	.00012	-.00139	-.01839	.00193	-.00327	00439



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 197

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM068) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 1ORB = 9.700

RUN NO. 290/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	5.404	-.00670	.34800	.04670	.07440	-.00720	.00000	- 00270	.00510
.599	6.288	-.00720	.37470	.05000	.07620	-.00710	.00010	- 00270	.00460
.600	7.087	-.00770	.40090	.05370	.07920	- 00690	.00020	- 00270	.00410
.600	7.939	-.00820	.42880	.05850	.08280	- 00700	.00040	- 00280	.00360
.601	8.999	-.00300	.45910	.06590	.08790	-.00720	.00070	- 00250	.00190
.600	9.988	-.00500	.48880	.07440	.09200	-.00620	.00130	- 00260	- 00020
.601	10.929	-.00830	.51690	.08500	.09610	-.00960	.00190	- 00150	- 00350
.599	11.994	-.00800	.54840	.09950	.09900	-.00930	.00170	- 00110	- 00330
.600	12.929	-.00560	.57550	.11470	.10170	-.00810	.00130	- 00180	- 00080
.601	13.868	.00170	.60220	.12990	.10490	-.00780	.00130	- 00190	- 00040
.599	14.847	-.01200	.63100	.14680	.10880	-.00750	.00140	- 00220	- 00030
.600	15.788	-.01140	.65810	.16500	.11220	-.00720	.00140	- 00270	.00040
.600	16.994	-.01080	.68510	.18740	.11740	- 00690	.00160	- 00350	.00100
.600	17.878	-.00390	.70510	.20500	.12100	-.00690	.00180	- 00390	.00100
.601	18.878	-.00390	.72470	.22520	.12560	-.00710	.00200	- 00420	.00100
.599	19.811	-.00430	.74240	.24330	.13090	-.00740	.00200	- 00370	.00050
.600	20.767	-.00400	.75330	.26110	.13820	- 00710	.00220	- 00430	.00090
.600	21.705	-.01830	.75780	.27580	.14880	-.00690	.00210	- 00350	.00040
.599	22.747	-.01090	.76420	.29330	.15810	-.00690	.00210	- 00360	.00090
.600	23.740	-.01060	.77290	.31240	.16870	- 00560	.00200	- 00370	.00130
	GRADIENT	00000	00000	.00000	.00000	00000	00000	.00000	00000

ORIGINAL PAGE IS
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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 199

CA5 ORB TC5 AT38 1 (PRES KI F20 H15.6 V9.1)

(AGM069) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 10RB = 9.700

RUN NO. 296/ 0 RN/L = 2 88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.081	13.74260	.61130	.10960	.08190	.18220	-.01140	.05320	-.07580
.500	-10.070	13.75500	.59470	.10510	.09320	.16110	-.01440	.04640	-.04960
.500	-8.079	13.77840	.57060	.09990	.10820	.12220	-.01020	.03860	-.04370
.499	-6.024	13.77880	.57170	.10090	.10900	.09280	-.00850	.02820	-.02920
.501	-4.022	13.78420	.57330	.10260	.10960	.05990	-.00520	.01730	-.01930
.501	-3.036	13.78380	.57330	.10360	.11050	.04260	-.00320	.01210	-.01540
.500	-2.014	13.78000	.57230	.10420	.10860	.02610	-.00160	.00680	-.01040
.500	-1.026	13.77700	.57430	.10510	.10540	.01000	-.00020	.00200	-.00470
.500	-.004	13.77460	.57570	.10550	.10500	-.00700	.00140	-.00310	.00030
.501	1.045	13.77120	.58420	.10730	.10010	-.02380	.00300	-.00820	.00530
.501	2.047	13.77050	.58760	.10740	.09900	-.03950	.00430	-.01340	.01100
.501	3.061	13.76790	.58870	.10660	.09700	-.05690	.00620	-.01870	.01520
.499	4.013	13.76460	.58540	.10500	.09590	-.07280	.00780	-.02360	.01990
.499	6.045	13.75650	.58400	.10370	.09360	-.10530	.01030	-.03420	.03270
.499	8.071	13.74510	.58970	.10510	.08720	-.13700	.01210	-.04310	.04600
.500	10.085	13.73000	.60570	.11060	.07570	-.16460	.01110	-.05020	.06740
.501	12.134	13.71120	.63090	.11670	.06030	-.19530	.01140	-.05580	.08320
GRADIENT	-.00249	.00224	.00045	-.00198	-.01640	.00157	-.00506	.00497	

RUN NO. 295/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.097	13.84020	.63640	.13890	.07880	.18730	-.01300	.03930	-.07780
.601	-10.059	13.86560	.62050	.13360	.09290	.16950	-.01750	.03400	-.03660
.601	-8.065	13.88680	.60410	.13100	.10440	.13300	-.01410	.02750	-.02950
.600	-6.040	13.88940	.60050	.13080	.10540	.09980	-.01150	.02070	-.01720
.601	-4.066	13.89220	.60620	.13160	.10560	.06390	-.00700	.01410	-.01430
.599	-3.019	13.89390	.60300	.13070	.10790	.04380	-.00430	.00970	-.01230
.600	-2.048	13.89320	.60030	.13040	.10650	.02590	-.00210	.00570	-.00940
.600	-1.033	13.88580	.60300	.13100	.10360	.00900	-.00040	.00170	-.00460
.600	-.027	13.88700	.60530	.13140	.10380	-.00980	.00180	-.00240	-.00150
.601	1.077	13.87940	.61660	.13440	.09810	-.02920	.00390	-.00670	.00300
.600	2.058	13.88000	.62290	.13550	.09690	-.04540	.00550	-.01110	.00840
.600	3.049	13.87280	.61810	.13400	.09490	-.06380	.00800	-.01530	.01020
.600	4.040	13.87620	.62010	.13410	.09490	-.08200	.01040	-.01950	.01260
.601	6.042	13.87030	.62940	.13590	.09140	-.11680	.01360	-.02600	.02190
.600	8.057	13.85430	.62500	.13350	.08550	-.14890	.01510	-.03250	.03870
.600	10.161	13.82820	.63710	.13820	.07180	-.17740	.01380	-.03860	.06780
.601	12.125	13.79890	.65660	.14420	.05560	-.20510	.01380	-.04390	.08880
GRADIENT	-.00263	.00263	.00055	-.00175	-.01784	.00207	-.00412	.00358	

C-4

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM069) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45 000
 S5-6 = 45.000 1ORB = 9.700

RUN NO. 294/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.122	13.95550	.66480	.17170	.07900	.19600	-.00780	.03190	-.12520
700	-10.118	13.98700	.64490	.16880	.09440	.16350	-.00830	.02590	-.09190
701	-8.032	14.01010	.65130	.17210	.10230	.13500	-.01130	.02060	-.04570
.700	-6.030	14.00050	.63110	.16720	.10080	.10320	-.01100	.01700	-.02160
.700	-4.008	14.00250	.62130	.16530	.10250	.06240	-.00590	.01060	-.01860
701	-3.037	14.00560	.61560	.16380	.10530	.04350	-.00350	.00700	-.01650
700	-2.036	13.99980	.60960	.16160	.10430	.02570	-.00170	.00390	-.01160
.700	-1.055	13.99290	.61020	.16140	.10150	.00920	-.00020	.00100	-.00610
700	-.000	13.99420	.61030	.16140	.10110	-.01100	.00200	-.00240	-.00260
.699	1.028	13.98160	.61750	.16300	.09590	-.02840	.00380	-.00540	.00210
.700	2.051	13.98200	.62430	.16490	.09480	-.04630	.00550	-.00880	.00790
.699	3.049	13.98140	.62760	.16500	.09450	-.06650	.00790	-.01210	.01020
.699	4.090	13.98020	.62790	.16420	.09450	-.08640	.01020	-.01580	.01360
.700	6.082	13.97460	.63620	.16630	.09020	-.12020	.01150	-.02070	.03480
.700	8.140	13.95550	.64540	.16810	.08190	-.14840	.00940	-.02560	.07420
.700	10.155	13.91820	.66670	.17250	.06750	-.17960	.00870	-.02940	.10480
.700	12.178	13.88610	.68270	.17520	.05230	-.21200	.00760	-.03650	.14360
	GRADIENT	-.00343	.00164	.00013	-.00146	-.01817	.00192	-.00320	.00420



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM070) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-09 = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 9.700

RUN NO. 299/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	5.204	-.01580	.26340	.04020	.07140	-.00670	.00000	-.00190	.00320
.500	6.144	-.01630	.29100	.04270	.07330	-.00660	.00010	-.00190	.00280
.500	7.011	-.01650	.31780	.04590	.07570	-.00660	.00030	-.00210	.00250
.499	7.822	-.01690	.34280	.04950	.07830	-.00650	.00040	-.00210	.00210
.499	8.830	-.01780	.37170	.05480	.08160	-.00600	.00060	-.00210	.00120
.501	9.794	-.01810	.40050	.06080	.08540	-.00620	.00080	-.00230	.00090
.500	10.716	-.01880	.42860	.06710	.08960	-.00630	.00100	-.00230	.00020
.499	11.797	-.01940	.45940	.07610	.09440	-.00630	.00120	-.00220	-.00050
.499	12.715	-.01990	.48840	.08470	.09870	-.00650	.00140	-.00230	-.00090
.499	13.711	-.01320	.52110	.09550	.10340	-.00650	.00150	-.00210	-.00120
.500	14.726	-.01330	.55520	.10790	.10840	-.00700	.00150	-.00190	-.00130
.499	15.597	-.01390	.58430	.11980	.11240	-.00730	.00170	-.00170	-.00190
.500	16.764	-.02870	.62140	.13690	.11730	-.00830	.00200	-.00140	-.00290
.499	17.643	-.02930	.64870	.15090	.12090	-.00890	.00220	-.00100	-.00360
.499	18.568	-.02350	.67940	.16780	.12500	-.00980	.00240	-.00050	-.00490
.499	19.562	-.01750	.70890	.19300	.12650	-.00690	.00110	-.00230	.00160
.500	20.560	-.01780	.73370	.21480	.13140	-.00740	.00140	-.00250	.00130
.499	21.582	-.01730	.75340	.23570	.13770	-.00670	.00140	-.00310	.00190
.499	22.559	-.01670	.76920	.25520	.14540	-.00620	.00140	-.00350	.00250
.500	23.464	-.01600	.78180	.27370	.15440	-.00570	.00140	-.00390	.00330
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
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CAS ORB TC5 AT39.1 (PRES. K1 F20 H15.6 VS.1)

(AGM071) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 9.700

RUN NO. 302/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	4.899	-.02230	.17260	.03320	.07670	-.00710	.00000	-.00260	00360
.500	5.869	-.01570	.19820	.03450	.07920	-.00700	.00010	-.00250	00330
.499	6.775	-.01600	.22530	.03660	.08210	-.00700	.00020	-.00260	.00300
.499	7.648	-.01640	.25110	.03910	.08500	-.00670	.00030	-.00250	.00260
.499	8.450	-.01670	.27360	.04220	.08780	-.00690	.00050	-.00270	.00230
.499	9.294	-.01690	.29770	.04600	.09090	-.00720	.00060	-.00270	.00210
.499	10.250	-.01050	.32510	.05120	.09500	-.00700	.00080	-.00280	00160
.500	11.199	-.01110	.35280	.05710	.09970	-.00670	.00100	-.00290	00100
.499	11.968	-.01840	.37530	.06250	.10360	-.00670	.00110	-.00300	00060
.500	12.889	-.01670	.40290	.06990	.10840	-.00690	.00130	-.00300	00030
.500	13.705	-.01900	.42860	.07740	.11270	-.00720	.00140	-.00290	.00000
.500	14.561	-.01930	.45760	.08640	.11710	-.00740	.00160	-.00290	-.00030
.500	15.465	-.01970	.48810	.09690	.12180	-.00770	.00170	-.00270	-.00080
.500	16.155	-.02010	.50900	.10510	.12520	-.00780	.00180	-.00250	-.00120
.501	17.127	-.02040	.54060	.11800	.12970	-.00890	.00200	-.00250	-.00150
.499	18.012	-.02120	.56980	.13100	.13380	-.00890	.00220	-.00200	-.00230
.500	18.790	-.01460	.59690	.14400	.13730	-.00970	.00230	-.00180	-.00270
.500	19.740	-.02910	.62890	.16100	.14120	-.01040	00250	-.00150	-.00340
.499	20.524	-.02960	.65490	.17620	.14490	-.01080	.00260	-.00130	-.00400
.500	21.491	-.03060	.68360	.19610	.15050	-.01160	.00280	-.00070	-.00510
.500	22.431	-.02690	.70650	.22480	.15270	-.01010	.00190	-.00130	-.00110
.501	23.218	-.02520	.72450	.24360	.15860	-.00900	.00160	-.00200	.00080
	GRADIENT	00000	.00000	.00000	.00000	.00000	00000	.00000	00000

CAS ORB TC5 AT38.1 (PRES. K1 F20 H15.8 VS.1)

(AGM072) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 9.700

RUN NO. 306/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.150	-12.032	15.29390	.50720	.13290	.09070	.18720	-.01210	.04710	-.00790
.150	-10.016	15.29410	.49240	.12880	.09820	.15860	-.01190	.04180	-.00610
.150	-8.009	15.29660	.47080	.12370	.10750	.11710	-.00810	.03460	-.00530
.150	-6.022	15.29420	.46740	.12350	.11110	.08530	-.00530	.02590	-.00420
.150	-4.042	15.29280	.47110	.12620	.11240	.05390	-.00240	.01550	-.00290
.150	-3.059	15.29090	.47390	.12850	.11120	.04020	-.00140	.01060	-.00230
.150	-2.040	15.28910	.47450	.12900	.11030	.02450	-.00120	.00540	-.00110
.151	-1.037	15.29180	.47640	.13000	.10790	.00840	.00080	.00130	-.00070
.151	.044	15.29030	.48050	.13130	.10850	-.01180	.00070	-.00280	.00050
.150	1.006	15.28610	.48880	.13280	.10360	-.02580	.00180	-.00680	.00110
.150	2.003	15.29060	.48390	.13180	.10370	-.04180	.00270	-.01130	.00180
.150	3.000	15.28930	.48210	.13080	.10220	-.05580	.00410	-.01610	.00240
.150	4.039	15.28950	.47900	.12950	.10070	-.07200	.00520	-.02120	.00310
.151	6.102	15.29350	.47600	.12670	.09890	-.10410	.00820	-.03070	.00440
.150	8.095	15.29100	.48160	.12680	.09490	-.14010	.01200	-.03980	.00520
.151	10.090	15.29130	.51160	.13400	.08550	-.16960	.01260	-.04420	.00670
.150	12.021	15.29390	.53320	.14000	.07430	-.19940	.01420	-.04850	.00760
GRADIENT	-.00033	.00141	.00047	-.00151	-.01581	.00092	-.00443	.00075	

RUN NO. 305/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.089	15.52510	.56850	.11240	.08950	.18530	-.01360	.04570	-.05780
.499	-10.071	15.53410	.55190	.10850	.10080	.16400	-.01640	.03910	-.04170
.499	-8.072	15.54670	.52430	.10380	.11450	.12790	-.01260	.03170	-.03450
.499	-6.077	15.43160	.50790	.10010	.11950	.09400	-.00980	.02490	-.02500
.500	-4.029	15.54800	.50140	.09900	.12220	.05900	-.00570	.01590	-.01790
.500	-3.070	15.54610	.49620	.09810	.12360	.04250	-.00360	.01120	-.01440
.501	-2.021	15.54530	.49340	.09830	.12280	.02590	-.00180	.00610	-.00940
.500	-1.090	15.54080	.49240	.09820	.12080	.01180	-.00040	.00240	-.00550
.500	.007	15.54240	.49090	.09790	.12230	-.00680	.00180	-.00250	-.00160
.500	1.028	15.53680	.49920	.09980	.11740	-.02350	.00360	-.00700	.00250
.500	2.000	15.53910	.50260	.10060	.11740	-.03880	.00530	-.01080	.00610
.499	3.112	15.54170	.50420	.09980	.11680	-.05790	.00760	-.01620	.01040
.499	4.098	15.53840	.50440	.09900	.11420	-.07420	.00960	-.02110	.01430
.499	6.021	15.53400	.51770	.10110	.10740	-.10780	.01320	-.02870	.02110
.500	8.045	15.52850	.53210	.10440	.10100	-.13720	.01370	-.03620	.03870
.499	10.109	15.51360	.56800	.11340	.08380	-.17590	.01630	-.04130	.04870
.499	12.090	15.50150	.58770	.11900	.06960	-.19710	.01420	-.04770	.07180
GRADIENT	-.00110	.00099	.00019	-.00109	-.01632	.00185	-.00447	.00396	

CAS ORB TC3 AT38.1 (PRES. KI F20 H15.6 V9.1)

(AGM072) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 9.700

RUN NO. 304/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.095	15.63710	.59000	.13050	.09400	.18880	-.01470	.03700	-.07410
.600	-10.100	15.65020	.57960	.12650	.10440	.16780	-.01700	.03140	-.04320
.600	-8.069	15.66150	.56900	.12550	.11410	.13740	-.01570	.02430	-.02410
.600	-6.026	15.66580	.55480	.12060	.12030	.10120	-.01260	.01980	-.01560
.601	-4.040	15.66170	.54050	.11760	.12230	.06240	-.00700	.01340	-.01520
.600	-3.050	15.66540	.52770	.11300	.12710	.04330	-.00420	.00980	-.01450
.600	-2.030	15.66040	.51860	.11020	.12830	.02540	-.00180	.00590	-.01210
.600	-1.059	15.65860	.51570	.10860	.12740	.00970	.00010	.00290	-.00950
.599	.064	15.66150	.51360	.10800	.12940	-.01060	.00290	-.00140	-.00750
.601	1.077	15.65410	.52190	.11100	.12370	-.02730	.00510	-.00520	-.00470
.600	2.045	15.65570	.53010	.11360	.12230	-.04710	.00780	-.00760	-.00510
.600	3.063	15.65590	.53520	.11470	.12080	-.06680	.01060	-.01120	-.00450
.599	3.991	15.65210	.53880	.11530	.11740	-.08470	.01300	-.01470	-.00290
.600	6.054	15.64490	.54860	.11840	.11100	-.12050	.01700	-.02150	.00480
.600	8.025	15.63100	.56980	.12530	.09970	-.15030	.01720	-.02550	.02490
.599	10.034	15.61570	.58570	.13010	.08680	-.17830	.01670	-.03110	.04960
.600	12.125	15.59680	.60310	.13640	.07210	-.20670	.01690	-.03740	.07230
GRADIENT	-00133		.00072	.00008	-.00089	-.01811	.00245	-.00347	.00162

RUN NO. 303/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-12.164	15.76920	.61510	.16120	.09300	.21210	-.00820	.02740	-.13150
.700	-10.115	15.78880	.59990	.15990	.10920	.17410	-.00740	.02080	-.10110
.701	-8.103	15.79760	.59540	.16080	.11380	.14360	-.00930	.01560	-.05960
.700	-6.062	15.80010	.58690	.15770	.11860	.11260	-.01060	.01160	-.02420
.699	-3.998	15.79850	.57010	.15440	.12320	.06960	-.00650	.00700	-.01490
.699	-3.055	15.80090	.56040	.15240	.12630	.04920	-.00410	.00470	-.01300
.701	-2.063	15.79820	.55050	.15050	.12700	.03030	-.00220	.00270	-.01020
.699	-1.033	15.79110	.54130	.14560	.12600	.01000	.00010	.00230	-.01150
.700	.036	15.79460	.53910	.14330	.12820	-.01010	.00210	-.00010	-.00730
.700	1.052	15.78050	.54630	.14620	.12220	-.02830	.00380	-.00280	-.00170
.699	2.020	15.78700	.55410	.14790	.12210	-.04870	.00610	-.00330	-.00250
.700	3.048	15.79060	.55930	.14880	.12290	-.06900	.00830	-.00610	.00150
.700	4.076	15.78680	.56290	.14950	.12020	-.08970	.01060	-.00950	.00590
.699	6.068	15.77090	.58380	.15640	.10850	-.12610	.01150	-.01150	.02660
.699	8.127	15.75810	.59430	.15950	.09990	-.15440	.00810	-.01580	.07400
.700	10.138	15.74020	.60500	.16090	.08990	-.19060	.00710	-.02140	.11420
.700	12.199	15.70930	.62500	.16540	.07250	-.22610	.00680	-.02710	.14960
GRADIENT	-.00182		-.00032	-.00057	-.00059	-.01952	.00207	-.00190	.00250

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.6 V9.1)

(AGM073) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 9.700

RUN NO. 310/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.151	-11.998	13.34300	.45300	.10120	.08260	.20590	-.00880	.04510	-.00920
.150	-10.052	13.34200	.43840	.09830	.08880	.17750	-.00940	.03960	-.00720
.150	-8.059	13.34420	.41560	.09420	.09710	.13690	-.00540	.03330	-.00650
.150	-6.044	13.34620	.40880	.09380	.10250	.10000	-.00320	.02500	-.00520
.151	-4.008	13.34500	.41000	.09570	.10280	.06560	-.00090	.01520	-.00380
.151	-3.011	13.33950	.41290	.09760	.10230	.05010	-.00030	.01010	-.00290
.151	-2.035	13.34010	.40980	.09810	.10310	.03860	.00020	.00540	-.00220
.150	-1.058	13.33700	.41370	.09990	.10030	.02080	-.00010	.00140	-.00090
.150	-.033	13.34010	.41260	.10020	.09590	.00020	.00070	-.00230	-.00010
.150	1.102	13.33500	.41930	.10170	.09330	-.01610	.00230	-.00650	.00030
.150	2.065	13.34040	.41770	.10060	.09290	-.02960	.00250	-.01110	.00130
.151	3.069	13.33910	.41680	.09940	.09350	-.04520	.00330	-.01570	.00200
.151	4.059	13.34200	.41350	.09770	.09400	-.06070	.00480	-.02030	.00250
.151	6.032	13.33730	.41510	.09670	.09140	-.09460	.00720	-.02920	.00380
.150	8.054	13.33680	.42010	.09580	.08700	-.12990	.01010	-.03740	.00480
.150	10.034	13.33840	.45580	.10520	.07650	-.16520	.01040	-.04050	.00630
.151	12.063	13.33400	.47340	.10890	.06520	-.19320	.01060	-.04660	.00800
GRADIENT	-.00024	.00078	.00033	-.00147	-.01585	.00067	-.00427	.00079	

RUN NO 309/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.501	-12.095	13.55550	.50820	.08960	.07940	.19240	-.01050	.04290	-.07290
.501	-10.089	13.56550	.49170	.08600	.08870	.17050	-.01390	.03680	-.04540
.500	-8.054	13.57510	.46410	.08190	.10150	.13130	-.01040	.02970	-.03750
.500	-6.114	13.57830	.44500	.07950	.10790	.09800	-.00830	.02410	-.02760
.501	-4.052	13.58010	.43540	.07710	.11140	.06120	-.00450	.01590	-.02080
.501	-3.066	13.58270	.43000	.07640	.11330	.04340	-.00270	.01110	-.01660
.500	-2.071	13.57690	.42560	.07610	.11280	.02800	-.00140	.00620	-.01120
.499	-1.083	13.57290	.42530	.07600	.11110	.01220	-.00010	.00210	-.00600
.500	-.020	13.57690	.42440	.07600	.11220	-.00570	.00150	-.00260	-.00130
.501	1.044	13.57210	.43230	.07760	.10740	-.02350	.00300	-.00720	.00390
.499	2.030	13.57000	.43790	.07660	.10530	-.03860	.00440	-.01120	.00830
.499	3.073	13.53070	.44210	.07840	.10530	-.05740	.00620	-.01630	.01330
.500	4.110	13.56750	.44190	.07760	.10260	-.07470	.00760	-.02110	.01910
.500	6.090	13.56500	.45530	.07960	.09760	-.10980	.01040	-.02830	.02810
.499	8.097	13.55830	.47270	.08280	.08890	-.14300	.01170	-.03500	.04210
.501	10.137	13.54480	.50790	.09160	.07290	-.17500	.01060	-.03880	.06210
.500	12.091	13.53090	.52500	.09520	.06060	-.20140	.01010	-.04510	.07980
GRADIENT	-.00360	.00154	.00024	-.00127	-.01653	.00146	-.00447	.00486	

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB YC5 A738.1 (PRES. K1 F20 H15.6 V9.1)

(AGM073) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 10RB = 9.700

RUN NO. 308/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.601	-12.113	13.64910	.54030	.10290	.08070	.19100	-.01070	.03900	-.09130
.600	-10.144	13.66140	.52620	.09750	.09040	.17310	-.01530	.03390	-.05170
.600	-8.046	13.67560	.51210	.09620	.10140	.13730	-.01290	.02630	-.03680
.599	-6.040	13.68480	.49160	.09220	.10940	.10420	-.01100	.02070	-.02220
.601	-4.085	13.67950	.47620	.08970	.11200	.06590	-.00630	.01430	-.01690
.600	-3.032	13.68570	.46170	.08530	.11710	.04460	-.00350	.00990	-.01730
.601	-2.025	13.68420	.45280	.08320	.11830	.02730	-.00150	.00580	-.01340
.601	-1.024	13.68060	.44950	.08160	.11770	.01130	.00000	.00210	-.00850
.600	.081	13 68010	.44840	.08140	.11880	-.00860	.00210	-.00250	-.00350
.601	1.083	13.67530	.45690	.08370	.11360	-.02490	.00370	-.00670	.00180
.601	2.033	13.67530	.46630	.08570	.11140	-.04250	.00580	-.00950	.00360
.601	3.058	13.67490	.47400	.08720	.10910	-.06310	.00860	-.01370	.00490
.601	4.022	13 66720	.48060	.08840	.10480	-.08300	.01120	-.01790	.00700
.600	6 034	13.66300	.49310	.09110	.09820	-.11700	.01380	-.02500	.01950
.600	8.072	13.64880	.52070	.09900	.08560	-.15020	.01440	-.02880	.03780
.600	10.061	13.63260	.53450	.10320	.07470	-.17560	.01200	-.03390	.06980
.600	12.125	13.61670	.54820	.10790	.06370	-.20510	.01200	-.03990	.09270
	GRADIENT	-.00171	.00142	.00012	-.00115	-.01796	.00204	-.00392	.00352

RUN NO 307/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12 165	13.76190	.56200	.13150	.08420	.20570	-.00630	.02580	-.13080
.699	-10.121	13.77770	.55160	.12920	.09410	.17380	-.00760	.02010	-.09260
.699	-8.113	13.78950	.54610	.12940	.10020	.14620	-.01050	.01530	-.04860
.700	-6.048	13.79210	.53920	.12820	.10440	.11470	-.01130	.01090	-.01640
.700	-4 055	13.79680	.52010	.12540	.11030	.07170	-.00630	.00710	-.01600
.700	-3.072	13.79970	.51040	.12350	.11350	.04910	-.00350	.00460	-.01550
.701	-2.053	13 79690	.49940	.12110	.11470	.02960	-.00130	.00260	-.01430
.700	-1 029	13.79020	.49200	.11670	.11410	.01050	.00070	.00180	-.01440
.700	.054	13.79420	.49050	.11500	.11540	-.00910	.00260	-.00060	-.01050
.700	1.056	13.78440	.49890	.11730	.11010	-.02610	.00400	-.00330	-.00440
.699	2.019	13.78460	.50750	.11870	.10860	-.04620	.00600	-.00400	-.00370
.700	3.065	13.79120	.51380	.12010	.10860	-.06870	.00870	-.00650	-.00260
.700	4 064	13.78440	.51820	.12110	.10540	-.08970	.01100	-.00960	.00050
.700	6.034	13.76520	.53970	.12690	.09350	-.12710	.01320	-.01190	.01310
.699	8.071	13.74560	.54980	.12940	.08360	-.15590	.01120	-.01610	.05110
.700	10.166	13.72740	.56110	.13230	.07320	-.18490	.00770	-.02050	.09980
.700	12.127	13.70220	.57290	.13530	.06110	-.21610	.00630	-.02620	.13800
	GRADIENT	-.00173	.00041	-.00052	-.00082	-.01942	.00202	-.00194	.00223

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 211

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.1A V9.1)

(A0M074) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 9.700

RUN NO. 313/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	5.135	-.03030	.17970	.03330	.07740	-.00640	.00020	-.00230	.00250
.501	6.060	-.01680	.20520	.03480	.07990	-.00630	.00030	-.00230	.00220
.499	6.882	-.02400	.22930	.03680	.08240	-.00640	.00040	-.00230	.00190
.500	7.693	-.01760	.25330	.03920	.08520	-.00620	.00050	-.00230	.00140
.500	8.664	-.01850	.28040	.04300	.08850	-.00620	.00080	-.00240	.00050
.500	9.665	-.01900	.30870	.04780	.09250	-.00600	.00100	-.00250	.00000
.501	10.632	-.02640	.33840	.05320	.09700	-.00620	.00120	-.00260	-.00050
.500	11.671	-.02700	.36640	.06010	.10240	-.00620	.00140	-.00270	-.00110
.499	12.609	-.02740	.39460	.06730	.10690	-.00620	.00160	-.00270	-.00150
.499	13.602	-.03460	.42570	.07620	.11210	-.00660	.00180	-.00260	-.00190
.499	14.581	-.02790	.45810	.08630	.11730	-.00690	.00190	-.00250	-.00210
.499	15.478	-.02830	.48890	.09680	.12190	-.00740	.00200	-.00230	-.00250
.499	16.678	-.02210	.52610	.11150	.12770	-.00760	.00220	-.00210	-.00330
.499	17.559	-.02930	.55480	.12390	.13180	-.00820	.00230	-.00180	-.00360
.499	18.503	-.02980	.58740	.13880	.13620	-.00870	.00250	-.00140	-.00420
.499	19.456	-.03720	.61980	.15540	.14030	-.00950	.00260	-.00130	-.00470
.500	20.404	-.03800	.65130	.17350	.14480	-.01020	.00280	-.00080	-.00550
.500	21.477	-.03890	.68410	.19560	.15070	-.01110	.00300	-.00030	-.00650
.501	22.427	-.03770	.70770	.22300	.15380	-.01070	.00250	-.00010	-.00530
.500	23.402	-.04320	.73150	.24580	.16130	-.01020	.00230	-.00050	-.00380
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
 OF POOR QUALITY.



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 213

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15.1A V9.1)

(AGM074) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 935.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 9.700

RUN NO. 311/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	5.153	-.02590	.23570	.04110	.07890	-.00890	.00110	-.00250	.00000
.700	6.222	-.05440	.26960	.04400	.08220	-.00900	.00120	-.00250	-.00080
.699	7.017	-.02780	.29550	.04710	.08540	-.00910	.00150	-.00250	-.00190
.700	7.876	-.02910	.32250	.05180	.08930	-.00910	.00170	-.00250	-.00320
.699	8.882	-.03740	.35230	.05910	.09350	-.00940	.00190	-.00220	-.00460
.700	9.841	-.03190	.38060	.06790	.09740	-.00980	.00220	-.00180	-.00610
.699	10.831	-.03800	.40910	.07820	.10130	-.00920	.00200	-.00180	-.00530
.699	11.902	-.03880	.43900	.09070	.10570	-.00910	.00210	-.00140	-.00610
.700	12.782	-.03910	.46290	.10170	.10990	-.00960	.00210	-.00090	-.00640
.699	13.804	-.03260	.48910	.11490	.11510	-.00960	.00210	-.00040	-.00690
.699	14.826	-.03230	.51570	.12940	.12120	-.00970	.00200	-.00010	-.00660
.699	15.763	-.03120	.53610	.14250	.12750	-.01010	.00190	-.00010	-.00550
.699	16.960	-.02760	.56160	.16130	.13450	-.01070	.00150	-.00050	-.00180
.700	17.858	-.02660	.58100	.17690	.13990	-.01090	.00130	-.00040	-.00070
.700	18.884	-.03090	.60260	.19590	.14740	-.01170	.00080	.00000	.00200
.700	19.846	-.02030	.62370	.21470	.15430	-.01210	.00040	-.00040	.00600
.699	20.793	-.02430	.64430	.23470	.16180	-.01230	.00000	-.00050	.00920
.701	21.867	-.01210	.66790	.25970	.17090	-.01300	-.00070	-.00100	.01490
.700	22.893	-.00700	.69160	.28490	.17920	-.01350	-.00140	-.00140	.02060
.700	23.884	-.00850	.71160	.30900	.18940	-.01410	-.00220	-.00140	.02670
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

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DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TC5 AT38.1 (PRES. K1 F20 H15.1A V9.1)

(AGM075) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-IB = 000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 315/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.599	5.174	-.02780	.34100	.04600	.07300	-.00740	.00000	-.00270	.00490
.601	6.152	-.02150	.37180	.04980	.07470	-.00760	.00020	-.00280	.00430
.599	7.033	-.02900	.39990	.05380	.07760	-.00740	.00040	-.00290	.00370
.599	7.714	-.02270	.42190	.05750	.08050	-.00740	.00050	-.00290	.00300
.599	7.944	-.02280	.42900	.05880	.08170	-.00750	.00060	-.00290	.00300
.599	8.647	-.03050	.44920	.06350	.08480	-.00760	.00070	-.00290	.00210
.600	9.492	-.02500	.47390	.07020	.08860	-.00810	.00110	-.00280	.00070
.600	10.401	-.02780	.50150	.07900	.09270	-.00880	.00170	-.00250	-.00210
.601	11.292	-.03040	.52800	.08970	.09620	-.00980	.00210	-.00120	-.00470
.600	12.092	-.03590	.55170	.10140	.09840	-.00930	.00180	-.00130	-.00330
.600	13.016	-.03380	.57810	.11600	.10120	-.00850	.00150	-.00190	-.00120
.600	13.861	-.02570	.60280	.12920	.10430	-.00790	.00130	-.00220	.00000
.599	14.638	-.03260	.62730	.14260	.10730	-.00780	.00140	-.00230	.00010
.599	15.513	-.02540	.65280	.15890	.11060	-.00770	.00140	-.00250	.00040
.599	16.233	-.01730	.67020	.17240	.11370	-.00720	.00140	-.00330	.00160
.599	17.183	-.02330	.69090	.19050	.11780	-.00680	.00150	-.00410	.00250
.600	18.116	-.02340	.71120	.20870	.12220	-.00690	.00170	-.00450	.00240
.600	18.816	-.02350	.72500	.22260	.12560	-.00700	.00180	-.00450	.00240
.600	19.772	-.02410	.74300	.24150	.13120	-.00730	.00190	-.00410	.00170
.600	20.622	-.01780	.75560	.25730	.13730	-.00760	.00200	-.00390	.00110
.600	21.522	-.02460	.76000	.27160	.14650	-.00760	.00190	-.00350	.00120
.599	22.450	-.02430	.76540	.28660	.15650	-.00740	.00180	-.00300	.00130
.599	23.230	-.03820	.77180	.30070	.16470	-.00670	.00150	-.00250	.00150
.600	23.711	-.02410	.77500	.31010	.17040	-.00660	.00140	-.00240	.00180
	GRADIENT	00000	00000	00000	00000	.00000	.00000	00000	.00000

CA5 ORB TC5 AT38.1 (PRES. KI F20 H15.1A V9.1)

(AGM076) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 10RB = 9.700

RUN NO. 317/ 0 RN/L = 3.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12.152	13.96060	.66620	.17140	.07720	.19990	-.00730	.03370	-.13390
.699	-10.085	13.99330	.64590	.16650	.09290	.16550	-.00750	.02710	-.09980
.701	-8.027	14.01110	.63860	.16840	.10060	.13850	-.01060	.02170	-.05400
.700	-6.070	14.01150	.63240	.16680	.10120	.10870	-.01100	.01750	-.02590
.700	-4.073	14.01120	.62690	.16520	.10200	.06960	-.00640	.01200	-.02160
.700	-3.068	14.01660	.62130	.16380	.10460	.04970	-.00380	.00770	-.01940
.699	-2.088	14.01350	.61500	.16170	.10490	.03210	-.00180	.00410	-.01510
.700	-1.079	14.00520	.61560	.16180	.10110	.01450	-.00030	.00090	-.00870
.700	.054	14.00280	.61480	.16150	.10130	-.00680	.00190	-.00270	-.00390
.700	1.033	13.99440	.62280	.16360	.09560	-.02550	.00390	-.00580	.00050
.700	2.098	13.99350	.62860	.16500	.09430	-.04390	.00550	-.00920	.00700
.700	3.034	13.99290	.63290	.16590	.09370	-.06310	.00780	-.01240	.00920
.700	4.068	13.99630	.63070	.16510	.09430	-.08370	.01020	-.01610	.01270
.700	6.058	13.98500	.63870	.16640	.09010	-.11890	.01190	-.02060	.03100
.700	8.136	13.96320	.64570	.16790	.08270	-.14730	.01000	-.02530	.06930
.700	10.154	13.93130	.66550	.17230	.06840	-.17750	.00880	-.02900	.10210
.699	12.205	13.89480	.68180	.17480	.05240	-.21000	.00770	-.03610	.14130
	GRADIENT	-.00297	.00138	.00023	-.00147	-.01864	.00195	-.00336	.00451

CA5 ORB TC5 AT38.1 (PRES. K1 F20 H15 1A)

(AGM078) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 IORB = 9 700

RUN NO. 327/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.149	-12.050	13.49840	.53050	.12250	.07880	.18830	-.00570	.05240	-.01030
.149	-10.022	13.50240	.51790	.11910	.08480	.15600	-.00550	.04740	-.00860
.151	-8.071	13.50600	.50910	.11710	.09190	.12500	-.00280	.03660	-.00780
.151	-6.049	13.50850	.51210	.11830	.09680	.09590	-.00090	.02660	-.00630
.151	-4.021	13.51070	.51210	.12100	.09610	.06510	.00020	.01720	-.00440
.149	-3.003	13.50700	.51310	.12320	.09460	.05270	.00110	.01150	-.00370
.151	-2.020	13.50960	.51460	.12300	.09800	.04050	.00070	.00660	-.00260
.150	-1.023	13.50770	.51940	.12570	.09490	.02310	.00020	.00190	-.00120
.151	-.033	13.50780	.52270	.12690	.09340	.00480	.00080	-.00230	-.00030
.150	1.028	13.50540	.52280	.12730	.08900	-.01340	.00180	-.00690	.00050
.151	1.995	13.50700	.52400	.12640	.08840	-.02470	.00240	-.01180	.00110
.150	3.027	13.50800	.52210	.12620	.08840	-.04080	.00400	-.01680	.00170
.151	3.998	13.50750	.52230	.12480	.08840	-.05380	.00500	-.02190	.00230
.151	5.989	13.50640	.51890	.12320	.08200	-.08520	.00740	-.03210	.00360
.151	8.038	13.50400	.51920	.12240	.07760	-.11670	.00880	-.04170	.00520
.150	10.039	13.50080	.52450	.12430	.07230	-.13780	.00840	-.04970	.00700
.151	12.011	13.49510	.55980	.13290	.05710	-.17350	.01110	-.05320	.00770
GRADIENT	-.00029		.00149	.00054	-.00117	-.01533	.00055	-.00475	.00086

RUN NO. 326/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.065	13.73940	.51480	.11240	.07770	.17860	-.00950	.05430	-.08280
.500	-10.060	13.75730	.59680	.10780	.09030	.15860	-.01310	.04780	-.05510
.501	-8.033	13.78070	.57200	.10230	.10550	.11960	-.00920	.03960	-.04800
.500	-6.054	13.78350	.57220	.10330	.10820	.09300	-.00800	.02950	-.03260
.500	-4.059	13.79000	.57260	.10470	.10950	.06110	-.00480	.01870	-.02250
.499	-3.038	13.79130	.57140	.10550	.11110	.04260	-.00280	.01290	-.01780
.501	-2.030	13.78810	.57100	.10620	.11000	.02610	-.00110	.00780	-.01330
.499	-1.062	13.78210	.57330	.10700	.10700	.01080	.00000	.00280	-.00660
.499	-.006	13.77790	.57400	.10740	.10640	-.00710	.00160	-.00270	-.00100
.501	.967	13.77910	.58150	.10910	.10170	-.02310	.00310	-.00730	-.00370
.500	2.018	13.77690	.58520	.10930	.10010	-.03850	.00440	-.01300	.01010
.500	3.053	13.77270	.58630	.10860	.09840	-.05680	.00630	-.01840	.01470
.500	3.999	13.77070	.58410	.10730	.09700	-.07190	.00770	-.02340	.01960
.499	6.038	13.76530	.58210	.10560	.09420	-.10390	.01010	-.03420	.03280
.499	8.065	13.75440	.58850	.10710	.08750	-.13530	.01180	-.04330	.04690
.500	10.058	13.73460	.60650	.11330	.07410	-.16230	.01040	-.05040	.06950
.499	12.107	13.71390	.63050	.11860	.05860	-.19180	.01040	-.05590	.08580
GRADIENT	-.00261		.00210	.00046	-.00187	-.01638	.00151	-.00518	.00533

CA5 ORB TC5 AT36.1 (PRES. K1 F20 H15.1A)

(AGM07B) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 325/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	-12.164	13.83780	.64250	.14170	.07430	.18640	-.01100	.04250	-.09210
.601	-10.061	13.86830	.62370	.13540	.09000	.16930	-.01620	.03660	-.04870
.601	-8.043	13.88950	.60820	.13300	.10260	.13390	-.01330	.02950	-.03660
.601	-6.023	13.89630	.60250	.13210	.10520	.10160	-.01140	.02300	-.02180
.600	-4.011	13.90200	.60580	.13210	.10700	.06580	-.00710	.01510	-.01600
.601	-3.048	13.90520	.60320	.13230	.10870	.04660	-.00450	.01080	-.01430
.601	-2.035	13.90330	.59940	.13160	.10870	.02770	-.00220	.00640	-.01100
.600	-1.048	13.89510	.60110	.13170	.10510	.01150	-.00060	.00240	-.00580
.600	-.014	13.89510	.60090	.13200	.10570	-.00800	.00170	-.00190	-.00220
.601	.999	13.88870	.60850	.13450	.10000	-.02630	.00380	-.00570	.00090
.601	2.022	13.88720	.61290	.13530	.09860	-.04280	.00530	-.01020	.00700
.601	3.042	13.88350	.61500	.13500	.09670	-.06360	.00800	-.01510	.01030
.601	4.007	13.88180	.61280	.13400	.09610	-.07980	.00990	-.01940	.01390
.601	6.070	13.87300	.61450	.13360	.09140	-.11620	.01350	-.02660	.02290
.600	8.016	13.85600	.61890	.13310	.08640	-.14690	.01490	-.03310	.03920
.601	10.072	13.83300	.63610	.14000	.07180	-.17430	.01320	-.03890	.07000
.601	12.116	13.80590	.65570	.14580	.05540	-.20190	.01260	-.04480	.09460
GRADIENT		-.00305	.00162	.00043	-.00174	-.01804	.00206	-.00425	.00390

RUN NO. 324/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.701	-12.153	13.94580	.66900	.17450	.07390	.19880	-.00580	.03470	-.14490
.700	-10.167	13.97960	.64820	.17130	.08990	.16590	-.00660	.02800	-.10830
.700	-8.058	14.00140	.63880	.17050	.09850	.13840	-.01010	.02250	-.05860
.700	-6.036	14.00480	.63010	.16850	.10060	.10710	-.01060	.01790	-.02820
.700	-4.080	14.00850	.62450	.16700	.10210	.06870	-.00620	.01180	-.02240
.699	-3.012	14.01150	.61900	.16510	.10550	.04700	-.00340	.00740	-.01960
.700	-2.024	14.01110	.61260	.16320	.10540	.02920	-.00160	.00380	-.01430
.700	-1.022	14.00050	.61300	.16300	.10210	.01180	-.00020	.00070	-.00750
.699	-.036	14.00160	.61150	.16270	.10280	-.00710	.00190	-.00230	-.00390
.700	1.020	13.99370	.62050	.16510	.09690	-.02830	.00410	-.00600	.00100
.699	1.966	13.98960	.62580	.16630	.09570	-.04420	.00550	-.00900	.00680
.700	3.007	13.98930	.62920	.16740	.09480	-.06560	.00800	-.01260	.01010
.700	4.021	13.98750	.62850	.16670	.09460	-.08560	.01030	-.01650	.01390
.700	6.039	13.98200	.63680	.16770	.09040	-.12050	.01190	-.02160	.03410
.699	8.074	13.95440	.64530	.16910	.08170	-.14860	.01000	-.02600	.07140
.700	10.187	13.92120	.66640	.17450	.06660	-.18170	.00830	-.03010	.10970
.700	12.208	13.88640	.68210	.17710	.05100	-.21190	.00640	-.03740	.15370
GRADIENT		-.00331	.00133	.00023	-.00143	-.01888	.00196	-.00340	.00471

CA5 ORB TC5 AT38.2 (PRES. K1 F20 H:5 6 V9.1)

(AGM079) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 5.000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 7.650

RUN NO. 330/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.107	11.85420	.49050	.08730	.07560	.17080	-.00320	.04860	-.09270
.500	-10.095	11.86310	.47430	.08150	.08300	.15490	-.00940	.04460	-.05870
.500	-8.042	11.87290	.46260	.08050	.08870	.11940	-.00730	.03620	-.04660
.500	-6.047	11.88280	.45500	.07980	.09550	.09180	-.00680	.02700	-.03070
.501	-4.025	11.88550	.45710	.08170	.09520	.05850	-.00380	.01690	-.02140
.501	-3.065	11.88760	.45730	.08270	.09570	.04240	-.00250	.01150	-.01600
.501	-2.043	11.88880	.45720	.08320	.09580	.02580	-.00120	.00670	-.01080
.500	-1.019	11.88990	.46030	.08380	.09280	.01090	-.00050	.00210	-.00370
.500	.009	11.89140	.45590	.08450	.09270	-.00820	.00130	-.00310	.00040
.501	1.025	11.87860	.46340	.08490	.08990	-.02340	.00220	-.00750	.00650
.500	2.042	11.87800	.46460	.08490	.08990	-.03760	.00290	-.01220	.01290
.500	3.008	11.87770	.46590	.08440	.08810	-.05430	.00440	-.01710	.01750
.501	4.017	11.87500	.46510	.08370	.08650	-.07070	.00570	-.02230	.02330
.499	6.037	11.86450	.46550	.08280	.08220	-.10160	.00710	-.03220	.03760
.500	8.065	11.85200	.47230	.08290	.07670	-.13390	.00840	-.04110	.05200
.500	10.057	11.84420	.48120	.08580	.07000	-.15770	.00490	-.04730	.08020
.500	12.104	11.83190	.49170	.08720	.05990	-.18410	.00380	-.05420	.10010
	GRADIENT	-.00163	.00125	.00029	-.00125	-.01597	.00115	-.00478	.00556

RUN NO. 329/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.107	11.94170	.52160	.10180	.07450	.17880	-.00730	.04300	-.10080
.599	-10.084	11.95710	.51460	.09820	.08080	.16320	-.01340	.03820	-.05500
.600	-8.056	11.97000	.50210	.09530	.08960	.12840	-.01150	.03210	-.04060
.600	-6.017	11.98280	.49580	.09200	.09490	.09490	-.00930	.02580	-.02810
.601	-4.024	11.98830	.49720	.09260	.09650	.06230	-.00560	.01630	-.02050
.600	-3.033	11.99070	.49350	.09220	.09850	.04210	-.00300	.01160	-.01860
.599	-2.004	11.98640	.49150	.09220	.09810	.02440	-.00120	.00680	-.01390
.601	-1.001	11.98230	.48440	.09300	.09510	.00960	-.00020	.00260	-.00700
.601	-.003	11.98520	.49320	.09350	.09560	-.00980	.00220	-.00190	-.00470
.600	1.012	11.97890	.49650	.09430	.09210	-.02730	.00390	-.00610	.00020
.601	2.006	11.97560	.49860	.09490	.09080	-.04350	.00550	-.01060	.00480
.599	3.042	11.97290	.50010	.09450	.08890	-.06240	.00760	-.01560	.00940
.600	4.015	11.96720	.49850	.09450	.08750	-.07900	.00920	-.01990	.01400
.600	6.021	11.96330	.49420	.09400	.08740	-.11060	.01130	-.02800	.02820
.600	8.029	11.94660	.50580	.09730	.07860	-.14590	.01310	-.03470	.04430
.600	10.077	11.92770	.51440	.10180	.06890	-.16640	.00820	-.04010	.08620
.600	12.119	11.90430	.52870	.10550	.05590	-.19450	.00770	-.04540	.10900
	GRADIENT	-.00269	.00068	.00036	-.00136	-.01740	.00180	-.00447	.00441

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS ORB TC5 AT38.2 (PRES. K1 F20 H15.6 V9.1)

(AGH079) (20 JAN 75)

REFERENCE DATA

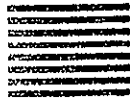
SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 7.850

RUN NO. 328/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.147	12.03200	.55310	.13120	.06960	.18570	-.00470	.03380	-.13450
.700	-10.068	12.06300	.54240	.12780	.08180	.16570	-.01080	.02830	-.07410
.700	-8.067	12.08340	.52940	.12630	.09130	.13480	-.01130	.02350	-.04440
.699	-6.044	12.08200	.52740	.12710	.08950	.10430	-.01090	.01850	-.02020
.700	-4.030	12.08590	.52000	.12430	.09190	.06810	-.00620	.01250	-.01920
.700	-3.012	12.08950	.51610	.12340	.09440	.04480	-.00340	.00850	-.01830
.700	-2.019	12.09700	.51210	.12260	.09430	.02710	-.00150	.00510	-.01450
.700	-1.016	12.07830	.51410	.12240	.09100	.01110	-.00040	.00220	-.00770
.700	.017	12.08200	.51330	.12300	.09140	-.00920	.00200	-.00100	-.00600
.700	1.011	12.07370	.51830	.12410	.08720	-.02630	.00370	-.00470	-.00110
.701	2.019	12.07200	.52020	.12390	.08700	-.04480	.00540	-.00820	.00410
.700	3.025	12.06940	.52240	.12360	.08580	-.06400	.00770	-.01160	.00610
.701	3.990	12.06770	.52190	.12330	.08500	-.08260	.00960	-.01520	.01030
.700	6.049	12.05570	.52480	.12490	.08130	-.11650	.01130	-.02070	.02900
.700	6.054	12.04050	.53460	.12750	.07350	-.14870	.01140	-.02580	.05530
.701	10.082	12.01050	.54990	.13250	.06060	-.17320	.00790	-.02900	.09870
.699	12.152	11.98110	.56130	.13490	.04710	-.20190	.00630	-.03470	.13550
	GRADIENT	-.00278	.00078	.00002	-.00119	-.01828	.00190	-.00339	.00390



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38 2 (PRES. K1 F20 H15.6 V9.1)

(AGM080) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 7.850

RUN NO. 335/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	O1ORB
.501	3.225	-.04420	.20540	.03810	.06770	-.00570	.00010	-.00220	.00230
.501	4.212	-.03770	.23250	.03930	.06810	-.00610	.00030	-.00220	.00190
.501	5.115	-.03800	.26060	.04090	.06950	-.00590	.00040	-.00230	.00160
.499	5.981	-.03800	.28630	.04300	.07150	-.00580	.00040	-.00240	.00160
.499	6.803	-.03850	.30990	.04560	.07310	-.00590	.00060	-.00240	.00110
.501	7.615	-.05270	.33340	.04890	.07530	-.00600	.00070	-.00240	.00070
.501	8.543	-.04620	.36000	.05350	.07830	-.00570	.00080	-.00250	.00030
.501	9.489	-.06060	.38950	.05910	.08130	-.00600	.00110	-.00260	-.00020
.500	10.146	-.04710	.40740	.06330	.08400	-.00590	.00120	-.00270	-.00060
.499	11.084	-.04770	.43560	.07040	.08820	-.00630	.00150	-.00280	-.00120
.499	11.941	-.04810	.46110	.07760	.09200	-.00660	.00170	-.00280	-.00170
.500	12.707	-.04170	.48520	.08500	.09570	-.00660	.00180	-.00270	-.00220
.499	13.603	-.04900	.51360	.09450	.10090	-.00670	.00190	-.00260	-.00260
.499	14.330	-.04920	.53530	.10270	.10450	-.00700	.00200	-.00250	-.00280
.499	15.318	-.04230	.56480	.11520	.10880	-.00720	.00210	-.00250	-.00280
.499	16.245	-.04260	.59380	.12810	.11270	-.00720	.00220	-.00240	-.00310
.499	17.053	-.05000	.62070	.14080	.11590	-.00780	.00240	-.00210	-.00370
.499	17.994	-.04410	.64930	.15630	.12010	-.00820	.00260	-.00180	-.00470
.499	18.753	-.05190	.67110	.17000	.12370	-.00870	.00290	-.00160	-.00570
.500	19.690	-.05660	.68730	.19010	.12720	-.00800	.00250	-.00220	-.00330
.499	20.635	-.04730	.69590	.20740	.13360	-.00680	.00210	-.00300	-.00080
.499	21.376	-.04610	.70090	.21910	.14040	-.00610	.00190	-.00350	.00050
.500	21.639	-.04600	.70220	.22320	.14310	-.00570	.00190	-.00360	.00060
	GRADIENT	.00659	.02747	.00122	.00041	-.00041	.00020	.00000	-.00041

CAS ORB TC5 AT30.2 (PRES. K1 F20 H15.6 V9.1)

(AGM080) (20 JAN 75)

REFERENCE DATA

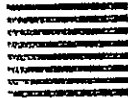
SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 45 000 S3-4 = 45.000
 S5-6 = 45 000 IORB = 7 850

RUN NO. 334/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	3.292	-.03030	.22670	.04170	.06670	-.00710	.00040	-.00250	.00240
.600	4.284	-.03690	.25120	.04190	.06720	-.00150	.00090	-.00240	-.00320
.599	5.184	-.03140	.28340	.04480	.06930	-.00700	.00060	-.00250	.00130
.600	6.041	-.02460	.31170	.04730	.07100	-.00700	.00070	-.00250	.00120
.601	6.900	-.03210	.33790	.05040	.07300	-.00700	.00080	-.00250	.00060
.600	7.706	-.03270	.36120	.05400	.07570	-.00670	.00100	-.00250	.00000
.600	8.658	-.03330	.39030	.05910	.07800	-.00680	.00120	-.00270	-.00060
.801	9.804	-.03450	.41870	.06540	.08330	-.00710	.00150	-.00280	-.00180
.800	10.306	-.03520	.43850	.07080	.08880	-.00730	.00180	-.00280	-.00250
.599	11.232	-.03030	.46770	.07820	.09080	-.00780	.00210	-.00250	-.00460
.800	12.033	-.04030	.49370	.08850	.09460	-.00810	.00280	-.00190	-.00780
.601	12.846	-.03650	.51820	.09970	.09800	-.01070	.00330	-.00080	-.01100
.600	13.729	-.03440	.54400	.11250	.10220	-.00970	.00290	-.00110	-.00890
.599	14.483	-.03950	.56330	.12400	.10520	-.00680	.00260	-.00150	-.00700
.599	15.478	-.04510	.58650	.13930	.10910	-.00830	.00240	-.00190	-.00580
.599	16.376	-.03700	.60800	.15350	.11330	-.00760	.00240	-.00240	-.00450
.600	17.169	-.03730	.62510	.16690	.11710	-.00780	.00240	-.00230	-.00480
.599	18.122	-.03690	.64090	.18140	.12330	-.00760	.00250	-.00260	-.00440
.600	18.901	-.02940	.64920	.19220	.12950	-.00740	.00260	-.00330	-.00390
.600	19.841	-.03690	.64880	.20390	.13820	-.00750	.00270	-.00290	-.00450
.600	20.779	-.02900	.65340	.21680	.14710	-.00690	.00260	-.00300	-.00350
.600	21.136	-.03590	.65550	.22190	.15150	-.00670	.00250	-.00280	-.00340
.601	21.816	-.02870	.65720	.23190	.15990	-.00650	.00230	-.00250	-.00310
	GRADIENT	-.00565	.02470	.00020	.00050	.00565	.00050	.00010	-.00565



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.2 (PRES. K1 F20 H15.6 V9.1)

(AGM080) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 IORB = 7.650

RUN NO. 331/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	3.349	-.03580	.26200	.04890	.06620	-.00940	.00050	- 00280	00380
.699	4.319	-.03620	.29190	.05080	.06740	-.00930	.00060	- 00270	00340
.700	5.208	- 03070	.32190	.05380	.06850	-.00940	.00080	- 00260	00200
.700	5.911	-.03230	.34670	.05750	.06960	-.00980	.00110	- 00260	.00040
.700	6.146	- 03290	.35440	.05870	.07000	-.00970	.00120	- 00260	- 00020
.699	6.859	-.03520	.37570	.06370	.07150	-.01040	.00160	- 00200	- 00250
.700	7.702	-.03580	.39880	.07080	.07370	- 01020	.00170	- 00170	- 00310
.700	8.542	-.03560	.42070	.07880	.07630	-.00990	.00160	- 00140	- 00310
.701	9.428	- 04370	.44430	.08830	.07930	- 01030	.00180	- 00100	- 00410
.700	10.170	- 03690	.46370	.09590	.08220	-.01000	.00180	- 00110	- 00420
.700	11.000	- 04440	.48800	.10630	.08630	-.01010	.00190	- 00090	- 00480
.700	11.990	-.03740	.51050	.11770	.09070	- 00990	.00190	- 00100	- 00480
.700	12.720	-.03710	.52860	.12760	.09450	- 00950	.00200	- 00180	- 00450
.700	13.615	- 04400	.54880	.13980	.09960	- 00930	.00210	- 00190	- 00450
.700	14.415	-.03710	.56360	.15100	.10450	-.00930	.00210	- 00180	- 00450
.699	15.369	- 03640	.57750	.16350	.11080	-.00900	.00200	- 00200	- 00390
.700	16.352	- 03520	.58720	.17640	.11840	- 00880	.00190	- 00210	- 00260
.699	17.123	- 03350	.59930	.18780	.12330	-.00880	.00160	- 00190	- 00090
.699	18.082	-.03080	.60590	.19980	.13240	-.00840	.00110	- 00190	00200
.700	18.867	-.03530	.61100	.21010	.13940	-.00900	.00080	- 00180	00460
.700	19.716	-.02590	.61800	.22220	.14690	-.00950	.00030	- 00130	.00720
.700	20.660	-.02930	.62730	.23700	.15680	-.00980	- 00020	- 00140	01100
.699	21.342	-.02620	.63650	.24920	.16460	-.01020	- 00070	- 00150	.01450
.700	21.985	-.02300	.64930	.26320	.17110	-.01140	-.00130	- 00110	.01800
	GRADIENT	-.00041	.03083	.00196	.00124	.00010	.00010	.00010	- 00041

CAS ORB TC5 AT3B.2 (PRES. KI FO H15.6 V9.1)

(AGM081) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN XO
 LREF = 474.8100 IN YMRP = .0000 IN YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 340/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.151	3.062	-.02730	.16120	.01590	.06000	.02200	.00190	-.00140	-.00170
.150	4.051	-.02010	.18790	.01940	.05980	.01930	.00170	-.00160	-.00140
.150	4.946	-.02040	.22130	.02620	.06050	.02230	.00200	-.00150	-.00170
.149	5.792	-.02040	.24660	.03370	.05910	.02260	.00210	-.00170	-.00170
.151	6.611	-.02710	.27410	.03870	.05930	.01940	.00180	-.00190	-.00150
.149	7.443	-.03400	.30340	.04540	.05960	.02150	.00170	-.00180	-.00140
.149	8.371	-.02700	.33050	.05300	.06040	.02160	.00150	-.00190	-.00140
.149	9.325	-.02710	.36180	.06280	.06100	.02170	.00180	-.00200	-.00150
.149	9.995	-.02700	.38380	.06970	.06240	.02030	.00180	-.00210	-.00140
.150	10.916	-.02710	.41400	.08060	.06440	.02020	.00210	-.00200	-.00150
.149	11.727	-.02730	.43810	.09110	.06770	.02050	.00250	-.00170	-.00170
.150	12.525	-.02020	.46570	.10320	.07140	.01900	.00230	-.00160	-.00150
.150	13.398	-.02730	.49280	.11690	.07560	.01770	.00300	-.00150	-.00180
.150	14.198	-.02730	.51680	.12790	.07950	.01790	.00300	-.00140	-.00180
.150	15.157	-.02050	.53860	.14020	.08390	.01650	.00340	-.00140	-.00190
.150	16.008	-.02060	.55560	.15210	.08780	.01670	.00350	-.00130	-.00190
.149	16.849	-.02730	.57570	.16560	.09430	.01560	.00330	-.00140	-.00180
.149	17.785	-.02730	.59190	.18100	.10140	.01580	.00330	-.00110	-.00180
.149	18.563	-.02730	.60050	.19250	.10720	.01450	.00320	-.00090	-.00170
.149	19.522	-.02700	.61220	.20800	.11650	.01340	.00280	-.00100	-.00150
.151	20.378	-.02720	.62160	.22030	.12200	.01330	.00320	-.00070	-.00170
.149	21.145	-.02690	.62150	.23130	.12990	.01390	.00270	-.00120	-.00140
.149	21.352	-.02690	.62200	.23430	.13170	.01400	.00240	-.00100	-.00130
	GRADIENT	.00373	.03182	.00543	.00026	.00011	.00005	-.00006	00001

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT39.2 (PRES. KI F0 H15.8 V9.1)

(AQM081) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN YMRP = 0000 IN. YO
 BREF = 936 8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7 850

RUN NO. 339/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
300	3.112	-.01960	.18490	.03170	.05010	.00120	.00050	-.00210	-.00090
300	4.109	-.02640	.21360	.03330	.05020	.00090	.00060	-.00220	-.00080
300	5 008	-.02660	.24320	.03610	.04980	.00100	.00070	-.00230	-.00090
300	5 859	-.01980	.27140	.03970	.04950	.00070	.00090	-.00240	-.00110
301	6.695	-.01970	.29720	.04340	.04970	.00120	.00080	-.00240	-.00100
300	7 507	-.01970	.32230	.04740	.05070	.00090	.00080	-.00240	-.00100
299	8 434	-.01990	.35120	.05290	.05260	.00140	.00100	-.00240	-.00130
300	9.393	-.02690	.38160	.05960	.05380	.00120	.00110	-.00260	-.00130
.299	10 148	-.02700	.40470	.06540	.05610	.00130	.00120	-.00250	-.00140
.299	11.072	-.02040	.43310	.07320	.05910	.00110	.00150	-.00250	-.00170
.299	11 851	-.02760	.45620	.08060	.06180	.00170	.00170	-.00260	-.00200
.299	12 687	-.02080	.48240	.08950	.06570	.00150	.00190	-.00270	-.00220
.299	13 570	-.02080	.50970	.09960	.06970	.00130	.00190	-.00260	-.00210
.299	14 317	-.02790	.53010	.10840	.07280	.00140	.00200	-.00240	-.00240
.299	15.286	-.02790	.55440	.11950	.07770	.00130	.00210	-.00250	-.00240
.299	16.162	-.02810	.57420	.13040	.08280	.00140	.00220	-.00230	-.00260
.299	16.983	-.03490	.59120	.14130	.08730	.00080	.00220	-.00230	-.00250
.299	17.910	-.02820	.60630	.15340	.09490	.00100	.00230	-.00200	-.00270
.299	18.639	-.02800	.61330	.16190	.10070	.00000	.00240	-.00200	-.00250
.299	19.571	-.02830	.62110	.17310	.10890	-.00020	.00260	-.00190	-.00290
.299	20 480	-.02850	.62840	.18420	.11760	-.00040	.00270	-.00170	-.00300
.299	21 252	-.02820	.63020	.19280	.12560	-.00090	.00270	-.00180	-.00280
.299	21 463	-.03520	.63150	.19540	.12780	-.00130	.00270	-.00160	-.00290
	GRADIENT	-.00582	.02877	.00160	.00010	-.00030	.00010	-.00010	.00010

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM081) (20 JAN 75)

REFERENCE DATA

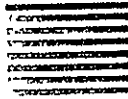
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 7.850

RUN NO. 338/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
501	3.207	-.02330	.20910	.03580	.04750	-.00500	.00000	-.00230	.00230
.499	4.192	-.02370	.23910	.03750	.04670	-.00490	.00010	-.00240	.00200
501	5.074	-.02390	.26900	.03980	.04680	-.00490	.00020	-.00250	.00180
.500	5.955	-.02370	.29870	.04290	.04780	-.00500	.00030	-.00260	.00190
.499	6.747	-.01800	.32380	.04600	.04840	-.00470	.00060	-.00260	.00080
.500	7.548	-.01820	.34880	.04980	.04970	-.00460	.00070	-.00260	.00050
500	8.456	-.01860	.37720	.05500	.05170	-.00470	.00080	-.00270	.00010
500	9.398	-.01210	.40660	.06110	.05440	-.00500	.00100	-.00280	-.00030
.501	10.082	-.01940	.42800	.06640	.05670	-.00500	.00120	-.00290	-.00070
.500	10.992	-.01320	.45590	.07380	.06020	-.00520	.00140	-.00290	-.00150
.499	11.861	-.01380	.48250	.08190	.06370	-.00530	.00170	-.00300	-.00210
.500	12.604	-.02110	.50630	.08950	.06720	-.00530	.00180	-.00290	-.00240
.499	13.486	-.02820	.53410	.09930	.07140	-.00520	.00190	-.00300	-.00270
.500	14.248	-.02160	.55500	.10800	.07550	-.00550	.00200	-.00280	-.00300
.500	15.214	-.02150	.57790	.11940	.08080	-.00570	.00210	-.00290	-.00290
500	16.147	-.02150	.59630	.13060	.08670	-.00560	.00220	-.00290	-.00290
500	16.973	-.02180	.60920	.14050	.09320	-.00590	.00230	-.00290	-.00330
.500	17.925	-.02260	.61940	.15150	.10160	-.00640	.00250	-.00240	-.00410
.500	18.729	-.01640	.62760	.16120	.10870	-.00700	.00260	-.00190	-.00490
501	19.607	-.02380	.63570	.17180	.11720	-.00770	.00280	-.00180	-.00540
.500	20.553	-.02430	.64280	.18310	.12710	-.00820	.00300	-.00150	-.00600
500	21.225	-.02450	.64650	.19100	.13460	-.00830	.00300	-.00130	-.00620
501	21.710	-.02450	.64860	.19670	.14090	-.00830	.00320	-.00170	-.00620
	GRADIENT	-.00041	.03047	.00173	-.00081	.00010	.00010	-.00010	-.00030



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM081) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 935 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7.850

RUN NO 337/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	3.261	-.01120	.22900	.03870	.04530	-.00710	-.00060	-.00250	.00750
.599	4.240	-.01160	.25870	.04060	.04540	-.00700	-.00050	-.00260	.00710
.601	5.115	-.01230	.28940	.04300	.04590	-.00710	-.00030	-.00270	.00650
.601	5.778	-.00570	.31200	.04520	.04660	-.00710	-.00020	-.00280	.00620
.599	6.021	-.01890	.32010	.04610	.04730	-.00700	-.00030	-.00270	.00680
.600	6.714	-.01320	.34250	.04910	.04800	-.00700	-.00010	-.00280	.00660
.599	7.559	-.00890	.37000	.05340	.04960	-.00690	.00010	-.00270	.00500
.599	8.415	-.00740	.39740	.05850	.05160	-.00720	.00030	-.00280	.00460
.600	9.344	-.02190	.42740	.06300	.05460	-.00710	.00050	-.00300	.00390
.600	10.108	-.01590	.45040	.07080	.05790	-.00700	.00070	-.00310	.00290
.600	11.019	-.01710	.47960	.07900	.06210	-.00730	.00100	-.00300	.00170
.599	11.920	-.02550	.50740	.08820	.06620	-.00760	.00130	-.00290	.00010
.599	12.664	-.03390	.53220	.09730	.06990	-.00830	.00170	-.00280	-.00140
.601	13.539	-.02370	.55890	.10960	.07380	-.00950	.00240	-.00230	-.00510
.599	14.289	-.03970	.57750	.12010	.07740	-.01060	.00280	-.00150	-.00740
.599	15.213	-.03370	.59530	.13290	.08230	-.01090	.00290	-.00090	-.00840
.599	16.181	-.03200	.60620	.14590	.08950	-.00960	.00260	-.00130	-.00660
.599	16.905	-.02410	.61310	.15550	.09520	-.00930	.00250	-.00140	-.00560
.600	17.846	-.02350	.62100	.16800	.10360	-.00920	.00240	-.00150	-.00500
.599	18.704	-.03110	.62970	.18010	.11130	-.00940	.00250	-.00120	-.00580
.600	19.594	-.03130	.63740	.19250	.11980	-.00940	.00260	-.00120	-.00600
.599	20.530	-.03160	.64440	.20500	.12990	-.00950	.00260	-.00100	-.00640
.599	21.263	-.03160	.64860	.21500	.13900	-.00930	.00260	-.00080	-.00650
.600	21.865	-.03870	.65050	.22280	.14700	-.00930	.00250	-.00060	-.00660
	GRADIENT	-.00041	.03034	.00194	.00010	.00010	.00010	-.00010	-.00041

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.8 V9.1)

(AGM081) (20 JAN 75)

REFERENCE DATA

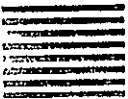
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 7.850

RUN NO. 338/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.699	3.303	-.01430	.25210	.04330	.04170	-.00760	.00020	-.00260	00440
.701	4.253	-.00780	.28310	.04560	.04190	-.00770	.00030	-.00260	00400
.701	5.134	-.01550	.31450	.04840	.04260	-.00790	.00050	-.00270	00320
.700	5.831	-.01590	.34010	.05110	.04360	-.00780	.00060	-.00280	00280
.700	6.097	-.01690	.34970	.05250	.04370	-.00800	.00080	-.00280	00190
.701	6.730	-.01700	.37170	.05580	.04480	-.00810	.00080	-.00270	00170
.701	7.564	-.02560	.39930	.06180	.04690	-.00840	.00120	-.00270	00000
.700	8.359	-.02020	.42440	.06840	.04890	-.00880	.00140	-.00250	-.00150
.700	9.290	-.02250	.45160	.07780	.05230	-.00920	.00180	-.00190	-.00380
.700	10.020	-.02270	.47150	.08650	.05450	-.00890	.00180	-.00170	-.00400
.700	10.932	-.03020	.49680	.09800	.05740	-.00890	.00180	-.00140	-.00460
.700	11.866	-.02290	.52230	.11030	.06090	-.00880	.00180	-.00140	-.00430
.701	12.546	-.01560	.54020	.11950	.06390	-.00850	.00180	-.00160	-.00390
.700	13.414	-.02330	.56210	.13160	.06840	-.00870	.00190	-.00160	-.00470
.701	14.193	-.02340	.57760	.14230	.07340	-.00840	.00200	-.00180	-.00490
.699	14.996	-.02350	.58730	.15190	.08010	-.00840	.00210	-.00190	-.00490
.699	15.966	-.02280	.59680	.16380	.08860	-.00840	.00200	-.00190	-.00430
.699	16.750	-.02180	.60460	.17380	.09580	-.00790	.00190	-.00210	-.00320
.700	17.699	-.01990	.61140	.18650	.10550	-.00860	.00170	-.00210	-.00120
.700	18.664	-.01120	.62220	.20120	.11480	-.00950	.00120	-.00110	00060
.699	19.467	-.01580	.63070	.21340	.12310	-.01020	.00070	-.00040	00310
.699	20.437	-.01170	.63980	.22850	.13400	-.01130	.00000	-.00010	.00750
.699	21.170	-.00210	.64620	.24040	.14330	-.01160	-.00050	.00010	.01040
.700	21.995	.00280	.65230	.25440	.15470	-.01200	-.00120	-.00020	.01580
	GRADIENT	.00685	.03265	.00242	.00021	-.00011	.00011	00000	-.00042



CA5 ORB TCS AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM082) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 345/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
150	-12 046	7 79720	41400	.05790	.04580	.20280	.00100	04390	- 01090
150	-10 039	7 80360	.40550	.05640	.04890	.17270	00130	.03860	- 00960
150	-8.023	7 80550	41160	.05860	.05180	.13960	00050	03120	- 00760
.150	-6 022	7.80540	.40950	.06100	.04480	.10510	00030	.02240	- 00560
.151	-4.043	7.81200	.41100	.06270	.05200	.07440	.00240	.01420	- .00480
.151	-3.011	7.81030	.41040	.06400	.05160	.05750	.00250	00930	- .00390
150	-2.000	7.81190	.40680	.06360	.05410	.04220	00210	.00510	- .00290
151	-1 044	7.81320	.41150	.06430	.05230	.02800	.00020	00160	- .00130
.150	- 026	7.80950	.40870	.06520	.04940	.00790	.00020	-.00280	- 00020
150	1.006	7.80800	.41410	.06610	.04830	- 00800	- 00060	-.00620	00090
150	1 975	7.80700	.41580	.06640	04620	-.02240	.00020	- 01040	.00140
.150	3 034	7.80850	41670	.06560	.04610	-.04080	.00040	-.01490	.00230
149	4 039	7.80450	41670	.06460	04330	-.05720	.00000	- 01930	.00340
.151	6 032	7.80220	.41770	.06320	03530	-.09080	00270	- 02730	.00410
.151	7.984	7 79730	.40930	.06050	.03840	-.12210	.00310	-.03490	.00560
149	10.027	7.79280	.40450	.05980	.04120	-.15090	.00040	- 04190	00810
150	12.016	7.78570	.41100	.06060	.03590	-.18210	-.00230	- 04780	.01100
GRADIENT	-.00083	.00103	.00033	-.00121	-.01632	-.00034	- 00406	.00103	

RUN NO. 344/ 0 RN/L = 1 91 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.299	-12.086	7.84440	.37540	.04900	.04480	.18980	.00350	.04410	-.04390
.300	-10.063	7 85170	.36750	.04730	.04920	16440	.00070	03910	-.03460
.299	-8 049	7.85490	.37130	.04890	.04750	.13200	-.00060	03160	-.02590
.299	-6.022	7.85890	.36920	.05130	.04870	.09650	.00000	02300	-.01970
.300	-4 038	7 86480	.36560	.05230	.05420	.06470	00070	.01450	- 01410
299	-3.018	7 86460	.36570	.05350	05260	.04490	.00110	.00950	- 01060
300	-2.060	7.86780	.36160	.05270	.05630	.03140	.00070	00570	- .00710
.299	-1.025	7 86600	.36410	.05330	.05310	01490	.00050	.00160	-.00340
.299	- 019	7.86390	.36710	.05460	.05050	- 00330	00050	- 00250	.00020
300	1.058	7 86310	.37030	.05530	04890	- 02090	.00010	- 00680	.00460
.300	2.044	7 86150	.37080	.05540	.04750	-.03470	-.00010	- 01070	.00780
.300	3.057	7 85990	.37270	.05500	.04630	- 05240	.00000	-.01530	.01120
.300	4 029	7 85970	.37580	.05420	.04350	- 06910	00010	- 01970	.01470
.300	6.006	7 85060	.37610	.05190	.03890	-.10240	00110	-.02820	.01990
.299	8.012	7.84860	.37080	.04950	.03950	-.13580	.00110	-.03630	.02660
.300	10 043	7.84070	.36560	.04920	.04210	-.16240	-.00250	-.04260	.03800
.300	12.072	7.83320	.37180	.04940	.03590	-.19250	-.00410	- 04880	.04650
GRADIENT	-.00083	.00143	.00032	-.00138	-.01637	-.00013	- 00415	.00359	

ORIGINAL PAGE
OF POOR QUALITY

CAS ORB TCS AT38.2 (PRES. KI FG H15.6 V9.1)

(AGM082) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 343/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
500	-12.135	7.94850	.40430	.05430	.04400	.18170	.00520	.04440	- .11420
500	-10.114	7.95530	.39450	.05050	.04790	.16420	- .00140	.04040	- .07900
.499	-8.088	7.95780	.39050	.05110	.04780	.13050	- .00210	.03300	- .05920
.501	-6.081	7.96870	.38800	.05230	.05140	.09740	- .00170	.02460	- .04380
.501	-4.053	7.97220	.38450	.05360	.05420	.06300	- .00080	.01540	- .02920
.501	-3.050	7.97210	.38370	.05430	.05370	.04440	.00000	.01020	- .02250
501	-2.045	7.97530	.37910	.05360	.05620	.02870	- .00010	.00590	- .01370
500	-1.055	7.96970	.38180	.05420	.05230	.01290	- .00020	.00200	- .00530
501	-.024	7.96890	.38300	.05500	.05150	-.00690	.00060	-.00280	.00170
500	1.015	7.96720	.38630	.05570	.05020	-.02380	.00070	- .00700	.01030
501	2.042	7.96570	.38970	.05610	.04860	-.03840	.00010	- .01150	.02060
500	3.074	7.96390	.39210	.05600	.04650	-.05810	.00060	- .01670	.02870
501	4.022	7.95730	.39440	.05570	.04370	-.07340	.00100	- .02090	.03540
.500	6.086	7.94890	.39510	.05330	.04020	-.10560	.00170	- .03020	.05150
.500	8.117	7.94410	.39430	.05210	.03990	- .14300	.00140	- .03790	.06960
.499	10.175	7.94310	.39450	.05340	.04140	-.16630	- .00370	- .04280	.10130
.499	12.112	7.92480	.40630	.05500	.03170	-.19350	- .00560	- .04860	.12220
	GRADIENT	-.00174	.00149	.00033	-.00133	-.01681	.00017	- .00443	.00815

RUN NO. 342/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	-12.204	8.00610	.42900	.06130	.04450	.17800	.00610	.04500	- .15640
.601	-10.113	8.01290	.42540	.05790	.04670	.16140	- .00130	.04020	- .10530
.599	-8.138	8.01480	.41850	.05690	.04670	.13340	- .00350	.03400	- .07450
.600	-6.054	8.02450	.41220	.05720	.05210	.09780	- .00310	.02540	- .05210
.599	-4.058	8.02840	.41080	.05800	.05310	.06390	- .00190	.01600	- .03400
.600	-3.061	8.02840	.40840	.05830	.05290	.04360	- .00070	.01100	- .02660
.599	-2.062	8.03260	.40400	.05780	.05450	.02770	- .00040	.00640	- .01640
.600	-1.040	8.02700	.40590	.05830	.05130	.01080	- .00040	.00200	- .00480
.601	-.036	8.02440	.40570	.05880	.05090	-.00830	.00050	-.00260	.00340
.600	1.012	8.02110	.40990	.05950	.04940	-.02680	.00100	- .00730	.01370
.600	2.034	8.01970	.41390	.06000	.04810	-.04160	.00080	- .01210	.02580
.600	3.053	8.01710	.41780	.06010	.04620	-.06070	.00160	- .01730	.03510
.599	4.050	8.01380	.41820	.05960	.04510	-.07790	.00230	- .02180	.04330
.601	6.071	8.00660	.41980	.05860	.04260	-.11240	.00280	- .03050	.06500
.600	8.151	7.99710	.42500	.05860	.03940	-.14690	.00230	- .03830	.09070
.600	10.143	7.99180	.42580	.06070	.03750	-.16530	- .00430	- .04270	.13890
.600	12.187	7.97140	.43780	.06390	.02720	-.19290	- .00670	- .04870	.17010
	GRADIENT	-.00204	.00134	.00029	-.00110	-.01731	.00045	- .00463	.00979

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 237

CAS ORB TCS AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM082) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 341/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	OIORB
.700	-12.201	8.07840	.44880	.07890	.04620	.18290	.00400	.04070	-.18160
.700	-10.162	8.07560	.45720	.07490	.04390	.16390	-.00160	.03550	-.12680
.700	-8.118	8.08840	.45240	.07150	.04810	.13770	-.00510	.03050	-.08190
.700	-6.049	8.09240	.44960	.06970	.05030	.10240	-.00520	.02420	-.05320
.699	-4.033	8.08430	.42950	.06660	.04890	.06610	-.00310	.01590	-.03640
.700	-3.038	8.08700	.42470	.06620	.05020	.04530	-.00120	.01100	-.03100
.700	-2.061	8.08630	.41970	.06560	.05070	.02750	-.00020	.00620	-.02200
.699	-1.046	8.07970	.41890	.06550	.04850	.01070	.00030	.00210	-.01090
.700	-.007	8.08360	.43130	.06810	.04870	-.00690	.00150	-.00240	-.00210
.700	1.000	8.07370	.42420	.06740	.04600	-.02690	.00230	-.00710	.00830
.700	2.028	8.07630	.42820	.06790	.04860	-.04460	.00290	-.01180	.02000
.700	3.067	8.07410	.43210	.06840	.04410	-.06490	.00430	-.01680	.02820
.700	4.073	8.07580	.43410	.06870	.04470	-.08360	.00530	-.02140	.03810
.701	6.043	8.07620	.45130	.07140	.04290	-.11730	.00550	-.02800	.06440
.700	8.125	8.04710	.43980	.07160	.03630	-.15110	.00430	-.03430	.09940
.701	10.143	8.04060	.43920	.07620	.03480	-.17350	-.00100	-.03810	.15290
.700	12.199	8.01070	.44170	.07850	.02470	-.19960	-.00430	-.04380	.19650
	GRADIENT	-.00162	.00104	.00035	-.00079	-.01823	.00096	-.00456	.00950

CAS ORB YC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM083) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IOR8 = 7 850

RUN NO. 350/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.150	-12.101	11.68940	.53630	.10580	.06050	.18170	-.00310	.04980	-.01030
.151	-9.989	11.69090	.53480	.10540	.06020	.15390	-.00390	.04310	-.00830
.150	-8.030	11.69710	.53820	.10800	.06200	.12350	-.00270	.03450	-.00680
.150	-6.022	11.69790	.53630	.11030	.05810	.09470	-.00110	.02530	-.00550
.150	-4.063	11.70140	.54030	.11270	.06230	.06620	.00140	.01570	-.00460
.150	-3.018	11.70070	.54070	.11480	.06360	.05110	.00110	.01040	-.00340
.149	-2.000	11.70060	.54140	.11550	.06560	.03860	.00200	.00620	-.00290
.150	-1.017	11.70010	.54430	.11640	.06330	.02410	.00200	.00220	-.00200
.151	-.033	11.69780	.54610	.11710	.06050	.00710	.00090	-.00270	-.00040
.150	1.075	11.69870	.54030	.11610	.05610	-.01160	.00120	-.00760	.00060
.149	2.051	11.69770	.54700	.11780	.05620	-.02000	.00070	-.01140	.00150
.151	3.006	11.69770	.54300	.11680	.05470	-.03520	.00270	-.01550	.00170
.149	4.010	11.69640	.54370	.11520	.05310	-.05170	.00360	-.02060	.00230
.150	6.031	11.68830	.54400	.11360	.04510	-.08360	.00660	-.03050	.00320
.149	8.045	11.68540	.53720	.10980	.04710	-.11500	.00780	-.03930	.00470
.151	9.992	11.68420	.52440	.10710	.05580	-.14060	.00610	-.04670	.00720
.149	12.090	11.68050	.53560	.10880	.04770	-.16720	.00430	-.05340	.00940
	GRADIENT	-.00060	.00045	.00029	-.00148	-.01459	.00017	-.00442	.00090

RUN NO. 349/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.300	-12.118	11.74280	.50090	.08130	.05380	.17050	-.00040	.05060	-.04190
.300	-10.048	11.74420	.48420	.08030	.05600	.14720	-.00330	.04420	-.03180
.300	-8.033	11.74980	.48540	.08240	.05510	.11520	-.00270	.03520	-.02480
.301	-6.034	11.75540	.48180	.08380	.05830	.08850	-.00230	.02570	-.01800
.299	-4.016	11.75990	.48280	.08500	.06250	.05620	-.00080	.01550	-.01240
.301	-3.058	11.76130	.48270	.08710	.06410	.04160	-.00020	.01090	-.00960
.301	-2.045	11.76200	.48250	.08750	.06460	.02730	.00030	.00620	-.00680
.300	-1.032	11.76040	.48430	.08900	.06250	.01420	.00040	.00200	-.00350
.301	.002	11.75870	.48690	.08950	.06030	-.00370	.00100	-.00300	-.00010
.301	1.015	11.75820	.48760	.08970	.05910	-.01870	.00120	-.00760	.00350
.301	2.064	11.75900	.48740	.08940	.05910	-.03450	.00130	-.01230	.00740
.300	3.021	11.75740	.48970	.08910	.05690	-.04880	.00200	-.01710	.01000
.301	4.048	11.75580	.50010	.08760	.05540	-.06410	.00270	-.02190	.01280
.300	6.039	11.74810	.48730	.08590	.05170	-.09280	.00360	-.03170	.01900
.301	8.010	11.73950	.48640	.08270	.04750	-.12510	.00490	-.04120	.02500
.299	10.046	11.73800	.48870	.08090	.05100	-.14860	.00250	-.04850	.03450
.300	12.032	11.73600	.48480	.08070	.04750	-.17510	.00170	-.05520	.04210
	GRADIENT	-.00060	.00104	.00029	-.00106	-.01496	.00038	-.00461	.00321

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 VS.1)

(AGM083) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 348/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.124	11.86830	.53710	.08710	.04970	.16400	.00010	.05120	-.10510
.500	-10.069	11.87470	.52510	.08310	.05540	.14860	-.00640	.04590	- 06950
.501	-8.084	11.88450	.51770	.08370	.05920	.11850	-.00500	.03690	-.05540
.501	-6.059	11.88840	.51090	.08370	.06630	.08710	-.00490	.02670	- 03630
.499	-5.043	11.90130	.50930	.08420	.06690	.07240	-.00380	.02160	-.03040
.499	-4.028	11.89890	.51160	.08580	.06640	.05600	- 00250	.01660	- 02520
.501	-3.075	11.90540	.50970	.08650	.06900	.04020	-.00140	.01140	-.01940
.500	-2.058	11.90270	.50880	.08670	.06890	.02460	-.00060	.00670	- 01280
.501	-1.054	11.89970	.51190	.08750	.06590	.01090	-.00020	.00230	-.00510
.499	-.033	11.89940	.51100	.08810	.06510	- 00790	.00140	- 00300	-.00010
.500	1.034	11.89590	.51390	.08880	.06360	- 02250	.00190	- 00800	.00790
.500	2.016	11.89770	.51610	.08900	.06310	-.03640	.00230	-.01280	.01550
.500	3.040	11.89120	.51940	.08890	.06060	-.05500	.00350	-.01810	.02210
.499	4.035	11.88590	.52000	.08800	.05780	- 06990	.00450	- 02300	.02790
.501	6.022	11.87710	.52110	.08630	.05360	-.09820	.00540	-.03280	.04360
.499	8.094	11.86380	.52480	.08500	.04890	-.13140	.00610	-.04260	.06110
.501	10.135	11.86300	.53010	.08640	.04700	-.15410	.00260	-.04940	.08990
.499	12.152	11.84980	.54000	.08730	.03960	-.18050	.00170	- 05610	.10830
GRADIENT	- 00179	.00131	.00036	-.00121	-.01553	.00083	-.00487	.00668	

CA5 ORB TC5 AT38.2 (PRES. KI F0 H15 6 V9.1)

(AGM083) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

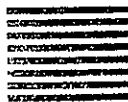
ALPHA1 = 6.000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3 000
 SI-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 347/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.601	-12.153	11.94700	.56750	.09830	.04950	.16630	-.00120	.05020	- 13490
.600	-10.126	11.95970	.55900	.09460	.05530	.15190	-.00800	.04460	- 08500
.601	-8.107	11.97030	.54700	.09250	.06100	.12010	-.00720	.03670	- 06480
.601	-6.085	11.98850	.53860	.09140	.06830	.09110	-.00690	.02790	- 04110
.600	-4.038	11.98760	.54010	.09300	.06820	.05910	-.00400	.01700	- .02790
.600	-3.050	11.99270	.53800	.09340	.07030	.04080	-.00220	.01200	- 02280
.601	-2.055	11.99050	.53500	.09330	.07050	.02430	-.00080	.00700	- .01620
.601	-1.078	11.98520	.53730	.09380	.06710	.01050	-.00020	.00300	- .00740
.601	.021	11.98670	.53720	.09450	.06700	-.00940	.00180	-.00270	- .00170
.600	1.039	11.98040	.54020	.09530	.06480	-.02440	.00280	-.00780	.00660
.601	2.044	11.98020	.54350	.09590	.06430	-.04010	.00370	-.01260	.01490
.600	3.086	11.97680	.54770	.09610	.06120	-.05860	.00570	-.01810	.02020
.601	4.020	11.97020	.54840	.09600	.05900	-.07410	.00690	-.02270	.02690
.600	6.088	11.96170	.54670	.09500	.05690	-.10560	.00810	-.03220	.04730
.600	8.106	11.94880	.55350	.09650	.05010	-.13800	.00920	-.03970	.06650
.601	10.125	11.93420	.55670	.09930	.04410	-.15950	.00460	-.04520	.10770
.600	12.213	11.91950	.56600	.10200	.03690	-.18690	.00330	-.05110	.13480
GRADIENT	-.00234		.00135	.00044	-.00129	-.01632	.00130	-.00491	.00696

RUN NO. 346/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12.199	12.02310	.58370	.12360	.04710	.17890	-.00050	.03970	- .16720
.701	-10.131	12.03790	.57940	.12130	.05340	.16080	-.00700	.03370	- .10400
.701	-8.112	12.06100	.56640	.11860	.06320	.12970	-.00800	.02800	- .06970
.699	-6.049	12.06770	.56080	.11650	.06520	.10030	-.00820	.02220	- .04070
.701	-4.046	12.06830	.56430	.11810	.06500	.06510	-.00480	.01420	- .02970
.700	-3.062	12.06950	.55990	.11800	.06610	.04470	-.00240	.01010	- .02710
.700	-2.060	12.06890	.55470	.11760	.06630	.02640	-.00060	.00620	- .02160
.699	-1.020	12.05960	.55560	.11770	.06290	.01050	.00030	.00260	- .01200
.700	-.032	12.05840	.55480	.11830	.06310	-.00790	.00200	-.00120	- .00670
.700	1.055	12.05420	.55900	.11910	.06090	-.02630	.00350	-.00540	.00130
.700	2.030	12.05350	.55150	.11900	.06090	-.04280	.00490	-.00900	.00760
.699	3.016	12.05130	.56570	.11900	.05860	-.06310	.00720	-.01340	.01150
.701	4.006	12.04910	.56520	.11910	.05760	-.08010	.00850	-.01730	.01910
.701	6.062	12.04390	.56490	.11870	.05650	-.11300	.00960	-.02390	.04220
.700	8.111	12.02360	.57370	.11960	.04980	-.14460	.00940	-.03010	.07220
.700	10.122	11.99870	.58370	.12420	.03930	-.16590	.00430	-.03530	.12680
.701	12.141	11.97740	.58840	.12580	.03150	-.19440	.00240	-.04250	.16790
GRADIENT	-.00272		.00063	.00019	-.00107	-.01778	.00158	-.00387	.00631



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 241

CA5 ORB TC5 AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM084) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 354/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.300	3.133	-.02590	.18720	.03220	.04720	-.00140	.00060	-.00170	- .00060
.301	4.127	-.02610	.21630	.03380	.04700	-.00170	.00080	-.00180	- .00080
.300	5.017	-.01930	.24500	.03670	.04670	-.00160	.00090	-.00190	- .00090
.301	5.746	-.02630	.27000	.03990	.04650	-.00150	.00090	-.00200	-.00100
.301	5.973	-.02600	.27730	.04100	.04680	-.00150	.00080	-.00200	- .00070
.301	6.688	-.02650	.29820	.04390	.04770	-.00180	.00120	-.00200	- .00120
.300	7.490	-.02660	.32330	.04790	.04840	-.00130	.00120	-.00190	- .00130
.300	8.402	-.02680	.35170	.05320	.05000	-.00160	.00140	-.00200	- .00150
.301	9.348	-.02700	.38120	.05980	.05170	-.00140	.00150	-.00210	- .00170
.299	10.063	-.02020	.40320	.06530	.05360	-.00130	.00170	-.00210	- .00180
.300	10.975	-.02740	.43300	.07320	.05640	-.00110	.00190	-.00210	- .00220
.300	11.800	-.02070	.45690	.08080	.05920	-.00130	.00210	-.00220	- .00230
.300	12.593	-.02100	.48190	.08920	.06270	-.00160	.00230	-.00210	- .00270
.300	13.466	-.02110	.50670	.09890	.06680	-.00140	.00240	-.00200	- .00280
.299	14.269	-.02120	.53010	.10830	.07040	-.00130	.00250	-.00190	- .00290
.300	15.224	-.02120	.55390	.11930	.07500	-.00190	.00260	-.00180	- .00290
.300	16.112	-.02140	.57650	.13070	.07950	-.00210	.00270	-.00160	- .00320
.301	16.839	-.02850	.59250	.14060	.08420	-.00200	.00280	-.00150	- .00330
.299	17.762	-.02860	.60580	.15230	.09070	-.00260	.00300	-.00140	- .00350
.301	18.547	-.02890	.61630	.16210	.09710	-.00280	.00320	-.00120	- .00380
.299	19.460	-.02880	.62240	.17280	.10490	-.00340	.00320	-.00100	- .00370
.300	20.392	-.02870	.62960	.18400	.11390	-.00350	.00320	-.00110	- .00360
.300	21.077	-.02870	.63120	.19160	.12050	-.00330	.00310	-.00090	- .00370
.300	21.487	-.02860	.63220	.19610	.12590	-.00390	.00310	-.00090	- .00350
	GRADIENT	-.00020	.02927	.00181	-.00020	-.00030	.00020	-.00010	- .00020

ORIGINAL PAGE IS OF POOR QUALITY

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM084) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN YMRP = 0000 IN. Y0
 BREF = 936 6800 IN. ZMRP = 375.0000 IN Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO 353/ 0 RN/L = 2.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	3.228	-.00830	.21070	.03550	.04600	-.00580	-.00010	-.00190	.00320
.501	4.196	-.00840	.24010	.03750	.04550	-.00580	-.00010	-.00210	.00300
.500	5.072	-.01570	.26920	.03970	.04610	-.00590	.00010	-.00220	.00270
.499	5.747	-.01600	.29170	.04190	.04660	-.00580	.00020	-.00220	.00240
.500	5.973	-.02260	.29960	.04280	.04680	-.00600	.00010	-.00230	.00270
.501	6.670	-.00940	.32170	.04560	.04800	-.00580	.00030	-.00220	.00210
.499	7.505	-.00990	.34720	.04950	.04930	-.00580	.00050	-.00230	.00160
.500	8.292	-.01030	.37190	.05380	.05110	-.00580	.00060	-.00240	.00120
.500	9.196	-.02450	.40050	.05970	.05350	-.00600	.00080	-.00240	.00080
.501	9.966	-.01820	.42450	.06530	.05620	-.00610	.00100	-.00250	.00020
.501	10.883	-.01860	.45200	.07270	.05960	-.00620	.00120	-.00270	-.00020
.501	11.792	-.02620	.47930	.08090	.06360	-.00620	.00140	-.00270	-.00090
.499	12.568	-.01960	.50420	.08880	.06590	-.00640	.00150	-.00260	-.00120
.499	13.460	-.02000	.53210	.09860	.07110	-.00630	.00170	-.00260	-.00170
.499	14.271	-.02020	.55570	.10840	.07510	-.00650	.00180	-.00250	-.00190
.499	15.248	-.02010	.57780	.11970	.08070	-.00660	.00180	-.00250	-.00180
.500	16.193	-.02710	.59610	.13080	.08700	-.00650	.00180	-.00240	-.00190
.500	16.943	-.02730	.60820	.14000	.09280	-.00670	.00190	-.00240	-.00200
.500	17.876	-.02800	.61830	.15060	.10090	-.00710	.00210	-.00210	-.00290
.501	18.681	-.02900	.62770	.16070	.10790	-.00780	.00230	-.00160	-.00390
.501	19.559	-.03630	.63480	.17100	.11650	-.00840	.00250	-.00140	-.00440
.500	20.489	-.03000	.64220	.18210	.12610	-.00880	.00280	-.00140	-.00510
.500	21.228	-.02340	.64610	.19090	.13430	-.00920	.00280	-.00120	-.00530
.501	21.719	-.03020	.64720	.19640	.14070	-.00950	.00290	-.00120	-.00530
	GRADIENT	-.00010	.03036	.00196	-.00041	.00000	.00000	-.00021	-.00021

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 243

CA5 ORB TC5 AT38 2 (PRES. KI FO H15.6 V9 1)

(AGM084) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO 352/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.599	3.274	-.01320	.22900	.03780	.04480	-.00780	-.00010	-.00230	.00520
.601	4.229	-.01340	.25790	.03980	.04480	-.00770	.00000	-.00240	.00500
.601	5.098	-.02090	.28740	.04210	.04540	-.00770	.00010	-.00250	.00440
.599	5.752	-.02120	.31000	.04420	.04610	-.00750	.00020	-.00250	.00410
.600	6.034	-.01400	.32060	.04530	.04610	-.00770	.00020	-.00260	.00440
.600	6.641	-.02160	.33930	.04790	.04730	-.00770	.00030	-.00260	.00370
.600	7.509	-.02200	.36770	.05220	.04920	-.00770	.00050	-.00250	.00330
.600	8.328	-.02290	.39440	.05720	.05120	-.00770	.00070	-.00270	.00250
.599	9.252	-.02340	.42330	.06350	.05420	-.00790	.00090	-.00280	.00190
.599	9.994	-.01720	.44660	.06920	.05700	-.00800	.00110	-.00290	.00120
.600	10.906	-.01160	.47430	.07690	.06130	-.00820	.00130	-.00280	-.00010
.600	11.813	-.02660	.50300	.08620	.06560	-.00850	.00160	-.00260	-.00140
.600	12.542	-.02790	.52670	.09470	.06920	-.00900	.00190	-.00250	-.00260
.599	13.427	-.02310	.55510	.10650	.07360	-.00980	.00240	-.00240	-.00480
.600	14.240	-.03400	.57580	.11870	.07740	-.01130	.00310	-.00120	-.00900
.600	15.153	-.03480	.59320	.13130	.08220	-.01150	.00310	-.00060	-.00980
.600	16.106	-.02640	.60430	.14400	.08920	-.01060	.00290	-.00080	-.00840
.601	16.885	-.01720	.61260	.15480	.09520	-.00960	.00260	-.00150	-.00600
.600	17.822	-.02390	.62030	.16700	.10340	-.00940	.00260	-.00150	-.00580
.601	18.692	-.02400	.63030	.17980	.11120	-.00970	.00260	-.00140	-.00600
.601	19.513	-.02400	.63760	.19150	.11920	-.00950	.00260	-.00130	-.00600
.600	20.431	-.02430	.64380	.20350	.12880	-.01000	.00260	-.00110	-.00630
.600	21.160	-.03170	.64710	.21280	.13780	-.01020	.00270	-.00090	-.00680
.600	21.868	-.02450	.64970	.22220	.14730	-.01020	.00260	-.00060	-.00660
	GRADIENT	-.00021	.03025	.00209	.00021	.00010	.00010	-.00010	-.00021

CA5 ORB TC5 AT39.2 (PRES. KI FO H15.6 V9.1)

(AGM084) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XD
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 7.650

RUN NO. 351/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.699	3.333	-.00610	.26280	.04270	.04230	-.00800	.00010	-.00240	.00540
.701	4.284	-.01340	.28390	.04600	.04280	-.00800	.00020	-.00250	.00500
.699	5.181	-.01430	.31540	.04770	.04330	-.00810	.00040	-.00260	.00410
.700	5.838	-.01490	.34040	.05040	.04410	-.00830	.00050	-.00260	.00360
.700	6.118	-.00870	.34980	.05170	.04450	-.00820	.00060	-.00260	.00280
.700	6.759	-.01620	.37260	.05540	.04550	-.00840	.00060	-.00250	.00220
.700	7.591	-.02500	.39970	.06120	.04760	-.00880	.00110	-.00250	.00030
.700	8.380	-.01990	.42480	.06810	.04960	-.00920	.00140	-.00220	-.00150
.700	9.294	-.02230	.45130	.07740	.05280	-.00970	.00180	-.00170	-.00390
.700	10.004	-.01510	.47050	.08570	.05490	-.00940	.00170	-.00160	-.00360
.700	10.880	-.02280	.49520	.09650	.05800	-.00920	.00180	-.00130	-.00440
.699	11.799	-.02280	.52010	.10850	.06150	-.00930	.00180	-.00120	-.00460
.700	12.473	-.02230	.53810	.11800	.06450	-.00890	.00180	-.00140	-.00400
.701	13.346	-.01620	.56060	.13030	.06890	-.00920	.00190	-.00140	-.00490
.701	14.201	-.02250	.57790	.14190	.07440	-.00860	.00190	-.00180	-.00430
.701	15.032	-.02970	.58760	.15220	.08130	-.00830	.00200	-.00200	-.00450
.699	15.992	-.02690	.59740	.16370	.08980	-.00780	.00200	-.00220	-.00370
.700	16.732	-.02820	.60350	.17300	.09660	-.00800	.00190	-.00210	-.00300
.700	17.650	-.01960	.61050	.18520	.10570	-.00830	.00170	-.00230	-.00120
.699	18.604	-.02550	.62050	.19970	.11510	-.00870	.00150	-.00170	-.00020
.700	19.315	-.01560	.62760	.21050	.12270	-.00930	.00100	-.00150	.00290
.700	20.256	-.01350	.63710	.22540	.13310	-.01030	.00050	-.00070	.00520
.700	21.134	-.01000	.64460	.23920	.14400	-.01060	-.00020	-.00050	.00900
.700	21.975	-.00030	.65050	.25270	.15510	-.01090	-.00060	-.00060	.01200
	GRADIENT	-.00760	.03237	.00239	.00031	.00000	.00010	-.00010	-.00042

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 245

CAS ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9 1)

(AGM085) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN XO
 LREF = 474.8100 IN. YMRP = 0000 IN YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-IB = 10.000 ELV-OB = 13 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 358/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	3.087	-.02520	.19020	.03360	.04650	-.00220	.00020	-.00190	.00010
.301	4.084	-.02520	.21940	.03530	.04650	-.00280	.00030	-.00200	.00020
.301	4.979	-.02530	.24860	.03850	.04630	-.00270	.00040	-.00220	.00000
.299	5.822	-.01830	.27650	.04220	.04620	-.00220	.00040	-.00220	.00010
.301	6.717	-.03240	.30290	.04570	.04700	-.00250	.00060	-.00220	-.00020
.301	7.517	-.02570	.32780	.04990	.04790	-.00240	.00080	-.00220	-.00040
.301	8.465	-.02600	.35740	.05550	.04940	-.00230	.00100	-.00230	-.00070
.300	9.407	-.03310	.38720	.06230	.05130	-.00250	.00120	-.00240	-.00090
.299	10.110	-.02640	.40790	.06770	.05320	-.00240	.00140	-.00230	-.00110
.299	11.043	-.03360	.43660	.07560	.05630	-.00190	.00160	-.00230	-.00140
.301	11.825	-.02680	.46050	.08310	.05880	-.00240	.00170	-.00240	-.00150
.300	12.627	-.02720	.48550	.09160	.06240	-.00230	.00200	-.00230	-.00200
.299	13.508	-.02720	.51130	.10160	.06660	-.00250	.00200	-.00230	-.00190
.299	14.244	-.02740	.53230	.11030	.06980	-.00200	.00210	-.00210	-.00210
.299	15.228	-.02760	.55750	.12190	.07460	-.00220	.00230	-.00210	-.00240
.300	16.133	-.02070	.57880	.13340	.07930	-.00320	.00240	-.00200	-.00240
.299	17.009	-.02780	.59650	.14490	.08490	-.00270	.00250	-.00180	-.00260
.299	17.943	-.03490	.60960	.15650	.09180	-.00330	.00270	-.00160	-.00280
.299	18.646	-.02810	.61750	.16520	.09750	-.00390	.00290	-.00160	-.00300
.300	19.608	-.03490	.62610	.17700	.10620	-.00400	.00280	-.00160	-.00290
.300	20.523	-.03480	.63260	.18800	.11490	-.00450	.00290	-.00150	-.00280
.299	21.358	-.02780	.63360	.19680	.12410	-.00470	.00280	-.00120	-.00270
GRADIENT		-.00005	.03084	.00257	-.00010	-.00027	.00011	-.00016	-.00005

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM085) (20 JAN 75)

REFERENCE DATA

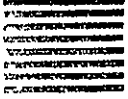
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = 0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 10.000 ELV-OB = 13.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 357/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.500	3.183	-.02830	.21060	.03670	.04590	-.00620	- 00030	-.00210	.00390
.501	4.178	-.02160	.24170	.03870	.04500	-.00660	- 00010	- 00220	.00370
.501	5.069	- 02180	.27120	.04090	.04550	- 00640	-.00010	- 00230	.00350
.499	5.921	-.01510	.29960	.04380	.04630	-.00650	00000	- 00230	.00330
.501	6.782	-.01570	.32630	.04730	.04740	-.00650	.00020	-.00250	.00270
.500	7.639	-.02290	.35290	.05140	.04910	-.00670	.00040	-.00250	.00240
.500	8.593	- 02360	.38260	.05690	.05110	-.00620	00050	- 00250	.00180
.500	9.555	-.02400	.41270	.06340	.05380	-.00650	.00070	-.00260	.00130
.500	10.346	- 01760	.43750	.06960	.05680	-.00630	.00090	- 00270	.00080
.500	11.256	-.02530	.46470	.07730	.06040	-.00660	00120	- 00280	.00010
.500	12.068	- 01880	.48990	.08500	.06390	-.00660	.00130	- 00280	-.00040
.499	12.959	- 02610	.51810	.09440	.06800	-.00670	00150	- 00270	- 00080
.500	13.851	-.01940	.54550	.10470	.07260	-.00680	.00160	- 00270	-.00110
.501	14.538	-.01940	.56350	.11260	.07610	-.00690	00160	-.00270	- 00100
.500	15.514	-.01940	.58560	.12430	.08140	-.00700	00170	- 00280	- 00100
.500	16.343	- 01960	.60050	.13400	.08740	- 00680	00180	- 00270	- 00120
.500	17.236	-.02010	.61240	.14460	.09450	-.00730	.00200	- 00250	-.00180
.499	18.185	- 01410	.62260	.15560	.10300	- 00770	00220	- 00200	-.00280
.500	18.928	-.02970	.63040	.16470	.10970	-.00800	00230	- 00170	-.00360
.499	19.878	- 02200	.63850	.17610	.11880	- 00900	00250	-.00150	- 00380
.499	20.765	-.02240	.64500	.18670	.12820	-.00910	00270	-.00160	- 00420
.501	21.571	-.02950	.64780	.19590	.13900	- 00960	.00270	- 00140	-.00450
	GRADIENT	00674	03127	.00201	-.00090	-.00040	.00020	- 00010	-.00020



CA5 ORB TC5 AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM085) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = 10.000 ELV-08 = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO 356/ 0 RN/L = 3 23 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.601	3 230	- .01280	.22920	.03910	.04420	-.00830	-.00010	- .00240	.00560
.600	4.194	-.01320	.25820	.04090	.04420	-.00820	.00000	- .00250	.00520
.601	5 106	-.02050	.28370	.04340	.04500	-.00830	.00010	-.00260	.00480
.600	5.757	-.02070	.31170	.04570	.04560	-.00820	.00020	- .00260	.00460
.599	5 993	-.01400	.31940	.04630	.04560	-.00830	.00020	-.00260	.00440
.600	6.705	-.01430	.34240	.04950	.04680	-.00830	.00030	-.00270	.00410
.600	7 572	-.02190	.37120	.05390	.04860	-.00820	.00050	- .00260	.00350
.600	8 495	-.00870	.39980	.05930	.05120	-.00810	.00060	-.00270	.00280
.600	9 411	-.00950	.42940	.06580	.05410	- .00840	.00090	- .00290	.00200
.600	10 233	-.02410	.45470	.07220	.05760	-.00820	.00110	- .00290	.00120
.599	11 163	-.02510	.48290	.08060	.06180	- .00850	.00130	-.00290	.00020
.599	12.003	-.02640	.51030	.08950	.06530	-.00900	.00170	- .00270	-.00110
.600	12 849	-.02770	.53790	.09960	.06970	- .00960	.00200	- .00270	-.00250
.599	13.745	-.02930	.56430	.11150	.07470	-.00970	.00230	- .00220	-.00410
.599	14 478	-.03010	.58230	.12180	.07850	-.01020	.00240	-.00190	-.00490
.600	15.461	-.02340	.59950	.13500	.08410	-.00990	.00240	- .00150	-.00530
.600	16 362	- .02880	.60970	.14770	.09110	-.00880	.00220	- .00210	- .00360
.601	17.201	-.02860	.61720	.15940	.09770	- .00880	.00220	- .00210	- .00350
.601	18 149	-.02130	.62630	.17210	.10610	-.00870	.00220	- .00220	- .00310
.601	18.879	-.02880	.63290	.18230	.11280	-.00920	.00230	-.00190	-.00370
.600	19.844	-.02170	.64150	.19590	.12230	-.00910	.00230	- .00190	-.00360
.599	20 801	-.02890	.64830	.20880	.13250	- .00930	.00240	- .00180	- .00390
.600	21 550	-.02940	.65090	.21860	.14230	- .00970	.00250	-.00150	- .00440
.600	21 850	- .02230	.65220	.22230	.14640	- .00950	.00240	- .00140	- .00420
	GRADIENT	-.00041	.03009	.00187	.00000	.00010	.00010	- .00010	- .00041

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB TC5 AT38 2 (PRES. K1 F0 H15 6 V9.1)

(AGM085) (20 JAN 75)

REFERENCE DATA

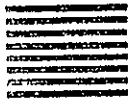
SREF = 2690 0000 SQ FT XMRP = 1109 0000 IN XO
 LREF = 474.8100 IN YMRP = 0000 IN YO
 BREF = 936.6800 IN. ZMRP = 375 0000 IN ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-18 = 10.000 ELV-08 = 13.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 7.850

RUN NO 355/ 0 RN/L = 3.54 GRADIENT INTERVAL " -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
700	3.285	-.02610	.25300	.04400	.04180	-.00860	.00000	-.00250	.00610
700	4.266	-.01970	.28360	.04600	.04210	-.00870	.00020	-.00250	.00560
700	5.170	-.02750	.31630	.04900	.04290	-.00870	.00030	-.00260	.00480
700	5.832	-.02810	.34020	.05170	.04370	-.00880	.00050	-.00270	.00410
.700	6.090	-.02860	.35010	.05270	.04370	-.00880	.00060	-.00270	.00360
.700	6.770	-.02940	.37310	.05630	.04510	-.00890	.00070	-.00260	.00290
.699	7.620	-.02410	.40100	.06240	.04700	-.00920	.00100	-.00260	.00120
.701	8.533	-.02730	.42990	.07080	.04940	-.00990	.00160	-.00220	-.00200
.701	9.475	-.02790	.45730	.08050	.05290	-.00980	.00160	-.00200	-.00260
700	10.214	-.02660	.47880	.08890	.05500	-.00920	.00150	-.00230	-.00130
.700	11.161	-.02670	.50640	.10070	.05810	-.00860	.00150	-.00240	-.00140
.699	12.035	-.04790	.52930	.11230	.06150	-.00870	.00160	-.00220	-.00190
.700	12.849	-.03460	.55070	.12370	.06540	-.00890	.00170	-.00220	-.00240
701	13.740	-.03460	.57200	.13620	.07050	-.00860	.00180	-.00250	-.00250
700	14.469	-.03420	.58480	.14590	.07530	-.00810	.00190	-.00300	-.00210
701	15.454	-.03430	.59490	.15800	.08410	-.00730	.00190	-.00310	-.00210
700	16.399	-.04110	.60300	.16950	.09290	-.00800	.00190	-.00270	-.00200
.700	17.246	-.03280	.60920	.18040	.10110	-.00850	.00180	-.00290	-.00060
700	18.202	-.03100	.61910	.19430	.11030	-.00890	.00150	-.00260	.00130
.700	19.011	-.01400	.62740	.20680	.11850	-.00910	.00110	-.00260	.00470
.699	19.960	-.01830	.63730	.22130	.12850	-.00990	.00070	-.00240	.00750
.699	20.912	-.00850	.64730	.23710	.13990	-.01080	.00010	-.00180	.01050
.699	21.730	-.00520	.65490	.25100	.15000	-.01170	-.00050	-.00150	.01420
700	22.009	-.01190	.65740	.25610	.15360	-.01090	-.00050	-.00170	.01450
	GRADIENT	.00653	.03120	.00204	.00031	-.00010	.00020	.00000	-.00051



CA5 ORB TC5 AT38.2 (PRES. KI FO HI5.6 V9.1)

(A0M086) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN XO
LREF = 474.8100 IN YMRP = 0000 IN. YO
BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
RUD-U = 10.000 RUD-L = 10.000
ELV-1B = 000 ELV-0B = 3.000
S1-2 = .000 S3-4 = 45.000
SS-6 = 20.000 IORB = 7.850

RUN NO. 382/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 6.00

Table with 10 columns: MACH, BETA, ALPHA, CL, CD, CLM, CY, CLN, CSL, D1ORB. It contains 20 rows of data points for Run 382/0, ending with a GRADIENT row.

RUN NO. 361/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

Table with 10 columns: MACH, BETA, ALPHA, CL, CD, CLM, CY, CLN, CSL, D1ORB. It contains 20 rows of data points for Run 361/0, ending with a GRADIENT row.

CA5 ORB TCS AT38.2 (PRES. K1 F0 H15.6 V9 1)

(AGM086) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

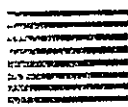
ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 TORB = 7.850

RUN NO. 360/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.146	11.92670	.53660	.09150	.04820	.16630	-.00190	.04980	-.13050
.600	-10.107	11.94050	.52780	.08790	.05420	.15080	-.00840	.04410	-.08190
.600	-8.095	11.95110	.51630	.08600	.06020	.11860	-.00750	.03610	-.06150
.600	-6.045	11.96810	.50930	.08490	.06680	.08880	-.00710	.02680	-.03800
.600	-4.020	11.97060	.51170	.08710	.06670	.05680	-.00410	.01610	-.02530
.600	-3.096	11.97370	.50820	.08710	.06920	.03890	-.00220	.01120	-.02060
.600	-2.064	11.96910	.50630	.08710	.06810	.02230	-.00110	.00630	-.01280
.601	-1.011	11.96370	.50900	.08790	.06520	.00690	-.00030	.00170	-.00380
.600	-.010	11.96400	.50920	.08840	.06470	-.01160	.00170	-.00360	.00120
.601	1.043	11.95900	.51200	.08940	.06290	-.02650	.00250	-.00870	.01030
.600	2.102	11.95670	.51560	.08980	.06170	-.04370	.00380	-.01400	.01810
.600	3.034	11.95140	.51970	.08980	.05850	-.05990	.00540	-.01890	.02310
.599	4.100	11.94620	.51950	.08920	.05690	-.07740	.00660	-.02410	.03140
.600	6.064	11.93960	.51910	.08870	.05440	-.10650	.00740	-.03290	.05210
.599	8.102	11.92400	.52510	.09010	.04760	-.13990	.00870	-.04050	.07080
.600	10.168	11.90590	.53030	.09330	.04160	-.16280	.00430	-.04610	.11180
.599	12.154	11.89550	.53740	.09570	.03450	-.18730	.00240	-.05180	.14070
GRADIENT		-.00317	.00143	.00038	-.00141	-.01630	.00128	-.00493	.00709

RUN NO. 359/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.163	12.00160	.55170	.11650	.04650	.17740	-.00090	.03900	-.16190
.699	-10.106	12.01710	.54890	.11440	.05260	.15920	-.00790	.03310	-.09540
.700	-8.069	12.03980	.53600	.11170	.06290	.12730	-.00850	.02720	-.06360
.701	-6.070	12.04720	.53300	.11100	.06420	.08850	-.00870	.02110	-.03500
.699	-4.076	12.04380	.53540	.11180	.06340	.06210	-.00500	.01340	-.02550
.700	-3.042	12.04870	.53030	.11180	.06530	.04060	-.00240	.00900	-.02290
.700	-2.060	12.04460	.52710	.11130	.06450	.02360	-.00100	.00540	-.01590
.699	-1.042	12.03340	.52930	.11180	.06100	.00710	.00010	.00180	-.00750
.700	-.007	12.03380	.52930	.11220	.06100	-.01220	.00210	-.00260	-.00220
.700	1.010	12.03000	.53300	.11300	.05900	-.02860	.00330	-.00650	.00540
.700	2.033	12.03050	.53730	.11320	.05870	-.04700	.00510	-.01060	.01120
.700	3.075	12.02810	.53990	.11320	.05620	-.06700	.00720	-.01490	.01580
.701	4.073	12.02290	.54000	.11290	.05520	-.08440	.00850	-.01930	.02490
.699	6.083	12.01780	.54070	.11260	.05410	-.11550	.00890	-.02540	.05030
.700	8.125	11.99590	.54960	.11340	.04700	-.14800	.00880	-.03180	.08050
.700	10.235	11.96820	.55910	.11860	.03580	-.17000	.00350	-.03690	.13730
.700	12.175	11.95130	.56260	.11930	.02940	-.19750	.00170	-.04440	.17690
GRADIENT		-.00289	.00117	.00022	-.00120	-.01774	.00161	-.00397	.00629



CA5 ORB TC5 AT38 2 (PRES KI FO H15.6 VS 1)

(AGN087) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-08 = 3.000 SI-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850 ORBELV = 5.000

RUN NO. 364/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	3.164	-.02070	.30630	.04010	.00160	-.00780	-.00040	-.00270	.00490
.499	4.140	-.02080	.33690	.04350	.00090	-.00760	-.00030	-.00280	.00480
.501	5.043	-.02090	.36790	.04730	.00050	-.00780	-.00020	-.00300	.00470
.500	5.961	-.02140	.39870	.05200	.00120	-.00750	.00000	-.00300	.00430
.500	6.748	-.02160	.42380	.05650	.00230	-.00770	.00010	-.00320	.00400
.501	7.517	-.02180	.44760	.06170	.00380	-.00770	.00020	-.00330	.00380
.499	8.425	-.02230	.47510	.06830	.00640	-.00770	.00040	-.00340	.00340
.501	9.370	-.01590	.50480	.07610	.00950	-.00780	.00060	-.00340	.00290
.500	10.118	-.02340	.52740	.08290	.01220	-.00780	.00080	-.00350	.00230
.500	11.048	-.01700	.55550	.09210	.01610	-.00820	.00100	-.00350	.00180
.500	11.870	-.01730	.58120	.10130	.01930	-.00810	.00110	-.00340	.00140
.499	12.671	-.03830	.60590	.11070	.02310	-.00830	.00130	-.00330	.00120
.500	13.553	-.03190	.63420	.12240	.02800	-.00850	.00150	-.00340	.00070
.499	14.280	-.02500	.65340	.13190	.03200	-.00840	.00150	-.00350	.00060
.499	15.248	-.01810	.67540	.14500	.03800	-.00840	.00170	-.00370	.00060
.499	16.200	-.01820	.69170	.15770	.04430	-.00820	.00170	-.00360	.00060
.499	17.010	-.03240	.70280	.16870	.05090	-.00900	.00190	-.00330	.00020
.500	17.945	-.03330	.71280	.18120	.05930	-.00950	.00210	-.00280	-.00070
.501	18.707	-.03400	.72030	.19180	.06670	-.01010	.00220	-.00240	-.00160
.500	19.637	-.02770	.72560	.20390	.07620	-.01090	.00250	-.00200	-.00220
.499	20.582	-.03520	.73180	.21660	.08650	-.01140	.00270	-.00200	-.00280
.500	21.385	-.02850	.73230	.22650	.09670	-.01190	.00290	-.00210	-.00310
.500	21.660	-.03550	.73080	.22950	.10050	-.01220	.00290	-.00190	-.00320
	GRADIENT	-.00010	.03135	.00348	-.00072	.00020	.00010	-.00010	-.00010

ORIGINAL PAGE
OF POOR QUALITY

CAS ORB TC5 AT38.2 (PRES. K1 FD H15 6 V9 1)

(AGM087) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN XO
 LREF = 474.8100 IN YMRP = .0000 IN YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-OB = 3.000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850 ORBELV = 5.000

RUN NO. 363/ 0 RN/L = 3.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	3.186	-.02850	.32590	.04320	-.00370	-.00750	.00010	-.00260	.00410
.599	4.166	-.03520	.35730	.04660	-.00430	-.00730	.00010	-.00300	.00430
.601	5.063	-.02890	.38850	.05070	-.00400	-.00730	.00030	-.00300	.00370
.600	5.965	-.01540	.41980	.05540	-.00330	-.00750	.00040	-.00310	.00330
.601	6.741	-.02940	.44540	.06010	-.00230	-.00740	.00050	-.00310	.00320
.600	7.511	-.02970	.47010	.06540	-.00040	-.00750	.00060	-.00320	.00280
.601	8.363	-.03010	.49710	.07200	.00230	-.00760	.00080	-.00320	.00240
.601	9.276	-.02370	.52540	.07970	.00580	-.00770	.00090	-.00330	.00190
.600	9.979	-.03120	.54710	.08650	.00880	-.00780	.00110	-.00330	.00140
.600	10.895	-.03220	.57580	.09620	.01290	-.00770	.00130	-.00310	.00040
.600	11.798	-.03380	.60360	.10690	.01740	-.00830	.00170	-.00300	-.00120
.600	12.544	-.02830	.62820	.11720	.02100	-.00910	.00210	-.00300	-.00280
.599	13.444	-.02990	.65670	.13090	.02550	-.01000	.00250	-.00300	-.00440
.599	14.238	-.03890	.67430	.14340	.03030	-.01110	.00270	-.00140	-.00640
.599	15.200	-.03320	.68920	.15780	.03670	-.01180	.00260	.00010	-.00790
.600	16.171	-.04040	.69670	.17200	.04510	-.01150	.00270	.00010	-.00820
.599	16.911	-.03200	.70130	.18250	.05230	-.01090	.00270	-.00090	-.00670
.600	17.851	-.03090	.70550	.19600	.06170	-.01050	.00260	-.00130	-.00560
.600	18.674	-.03070	.71060	.20840	.07010	-.01050	.00250	-.00130	-.00540
.601	19.547	-.03060	.71630	.22150	.07990	-.01030	.00260	-.00140	-.00530
.599	20.469	-.02380	.72110	.23460	.09130	-.01070	.00260	-.00130	-.00540
.599	21.196	-.02300	.72260	.24420	.10150	-.01050	.00260	-.00150	-.00470
.599	21.808	-.02980	.72230	.25180	.11110	-.01060	.00240	-.00100	-.00450
	GRADIENT	-.00683	.03203	.00347	-.00061	.00020	.00000	-.00041	.00020

CA5 ORB TCS AT38.2 (PRES. K1 F0 HI5.6 V9 1)

(AGM08B) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = 000 ELV-1B = 000
 ELV-0B = 3.000 S1-2 = .000
 S3-4 = 45 000 S5-6 = 20 000
 1ORB = 7 850 ORBELV = 5 000

RUN NO. 366/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.100	11.81350	.59310	.09840	.01030	.16580	-.00120	.05220	- 10160
.500	-10.038	11.81630	.58650	.09510	.01300	.15070	-.00750	.04640	-.06620
.500	-8.074	11.82400	.58240	.09580	.01420	.11810	-.00590	.03750	- 05260
.501	-6.057	11.83610	.57950	.09690	.01900	.08910	-.00570	.02750	- .03440
.499	-4.060	11.83850	.57960	.09900	.01990	.05770	-.00330	.01680	- 02280
.499	-3.045	11.84210	.57820	.09980	.02250	.04050	- 00190	.01130	-.01710
.500	-2.021	11.84110	.57780	.09990	.02300	.02360	-.00090	.00640	-.01060
.501	-1.053	11.83880	.57970	.10030	.02060	.01070	-.00070	.00210	-.00320
.500	-.003	11.83770	.58020	.10110	.01890	-.00810	.00110	- 00330	.00160
.500	1.035	11.83780	.58200	.10180	.01760	- 02300	.00170	-.00830	.00900
.500	2.003	11.83530	.58410	.10210	.01710	- 03760	.00240	- 01300	.01570
.501	3.081	11.83080	.58750	.10180	.01390	- 05640	.00400	- .01880	.02140
.501	4.048	11.82640	.58900	.10120	.01130	-.07210	.00510	- 02400	.02730
.500	6.104	11.81600	.58760	.09900	.00900	-.10290	.00630	- .03440	.04290
.501	8.057	11.81100	.58670	.09710	.00800	-.13450	.00720	- 04350	.05910
.500	10.090	11.80750	.58800	.09790	.00800	-.15890	.00400	- .05050	.08660
.500	12.136	11.79970	.59530	.09900	.00220	-.18590	.00320	- .05760	.10560
GRADIENT	-.00156	.00132	.00034	-.00123	-.01586	.00099	-.00497	.00625	

RUN NO. 365/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.599	-12.134	11.86940	.61640	.11220	.00780	.17260	- 00340	.04720	- 12240
.601	-10.083	11.88180	.61940	.10710	.01110	.15390	-.00860	.04470	- 08300
.600	-8.098	11.89810	.61330	.10600	.01320	.12250	-.00770	.03690	- 06280
.600	-6.046	11.90150	.60920	.10600	.01830	.09340	-.00780	.02790	- 03730
.600	-4.055	11.90440	.61100	.10760	.01870	.06160	-.00500	.01730	- .02430
.599	-3.041	11.90890	.60790	.10770	.02170	.04210	-.00280	.01150	-.02020
.600	-2.039	11.90840	.60590	.10770	.02160	.02490	-.00110	.00700	-.01450
.600	-1.076	11.90110	.60770	.10810	.01860	.01070	- 00050	.00260	- 00590
.600	.022	11.90090	.60850	.10880	.01790	-.00900	.00160	- .00300	- 00060
.600	1.040	11.89940	.61100	.10980	.01550	- 02500	.00280	-.00820	.00730
.599	2.002	11.89930	.61260	.11020	.01550	-.04150	.00410	- .01310	.01440
.601	3.092	11.89370	.61700	.11040	.01280	- 06060	.00630	- 01850	.01840
.600	4.038	11.88720	.61810	.11030	.01000	-.07740	.00780	- .02320	.02410
.600	6.054	11.88030	.61320	.10870	.01040	-.10860	.00900	- 03230	.04380
.599	8.089	11.87080	.61330	.10950	.00680	- 14170	.01000	- 03930	.06320
.601	10.184	11.86290	.61250	.11200	.00410	-.16540	.00570	- .04480	.10410
.601	12.152	11.85200	.61240	.11480	-.00080	- 19220	.00470	- .05030	.12920
GRADIENT	-.00220	.00119	.00042	-.00126	-.01694	.00151	- 00499	.00624	

ORIGINAL PAGE
OF POOR QUALITY

CA5 ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9 1)

(AGM089) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 000 ELV-1B = .000
 ELV-0B = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7.850 ORBELV = .000

RUN NO. 370/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.042	11.69890	.44750	.06950	.05060	.16900	-00020	.04820	-04140
.299	-10.040	11.69990	.44100	.06860	.05150	.14550	-.00280	.04220	-03160
.300	-8.062	11.69950	.44100	.07050	.05050	.11460	-.00230	.03380	-.02490
.300	-6.042	11.70460	.43570	.07140	.05520	.08540	-00180	.02470	-.01830
.300	-4.030	11.71030	.43740	.07350	.05910	.05580	-.00020	.01510	-01320
.299	-2.976	11.71070	.43640	.07470	.06070	.03830	.00050	.00980	-.00980
.300	-2.053	11.70880	.43560	.07500	.06110	.02600	.00110	.00590	-00760
.300	-1.006	11.70960	.43790	.07550	.05920	.01220	.00130	.00190	-.00450
.301	-.014	11.70780	.44130	.07710	.05720	-.00540	.00210	-.00250	-00170
.300	1.044	11.70510	.44300	.07830	.05670	-.02160	.00120	-00750	.00390
.299	2.064	11.70690	.44390	.07830	.05670	-.03600	.00120	-.01170	.00740
.301	3.049	11.70600	.44680	.07810	.05430	-.05030	.00170	-01650	.01040
.300	4.027	11.70350	.44680	.07680	.05170	-.06630	.00260	-.02120	.01300
.299	6.025	11.69840	.44490	.07480	.04750	-.09530	.00370	-.03050	.01870
.300	8.065	11.69360	.44490	.07210	.04460	-.12780	.00500	-.03960	.02470
.299	10.074	11.69380	.43950	.07040	.04780	-.15200	.00250	-.04680	.03450
.299	12.067	11.69210	.44610	.07040	.04340	-.17870	.00220	-.05340	.04130
GRADIENT	-.00082		.00150	.00054	-.00099	-.01505	.00024	-.00443	.00337

RUN NO. 369/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.145	11.81250	.49310	.07810	.04590	.16420	.00050	.04860	-010450
.500	-10.097	11.81700	.47990	.07390	.05170	.14960	-.00630	.04350	-.06810
.500	-8.062	11.82380	.47040	.07410	.05540	.11640	-.00480	.03480	-.05360
.501	-6.038	11.83700	.48400	.07400	.06260	.08780	-.00480	.02570	-.03560
.499	-4.027	11.83750	.48390	.07600	.06340	.05620	-.00280	.01570	-.02390
.499	-3.039	11.84020	.48170	.07670	.06580	.03980	-.00140	.01080	-.01820
.499	-2.044	11.83940	.48100	.07700	.06560	.02400	-.00060	.00620	-.01210
.500	-1.026	11.83600	.48330	.07760	.06300	.01020	-.00030	.00200	-.00420
.499	.023	11.83370	.48390	.07850	.06190	-.00840	.00130	-00310	.00060
.499	1.055	11.82970	.48610	.07910	.06040	-02330	.00180	-.00790	.00830
.499	2.024	11.83100	.48670	.07940	.05950	-.03790	.00230	-.01260	.01590
.499	3.088	11.82550	.47210	.07920	.05700	-.05510	.00350	-.01760	.02190
.501	4.063	11.82450	.47400	.07870	.05450	-.07050	.00440	-.02210	.02790
.501	6.064	11.81530	.47620	.07730	.04990	-.09960	.00520	-.03180	.04370
.501	8.081	11.80840	.48040	.07600	.04540	-.13150	.00570	-.04070	.06160
.501	10.164	11.80580	.48600	.07740	.04320	-.15490	.00200	-.04740	.09060
.499	12.195	11.79400	.49720	.07860	.03580	-.18220	.00120	-.05390	.10910
GRADIENT	-.00195		.00148	.00040	-.00126	-.01555	.00083	-.00465	.00650

CA5 ORB TC5 AT38.2 (PRES KI FO H15.6 V9.1)

(AGM089) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 ELV-1B = 000
 ELV-0B = 3.000 S1-2 = 000
 S3-4 = 000 S5-6 = 000
 TORB = 7 850 ORBELV = 000

RUN NO. 388/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.148	11.88310	.52080	.08730	.04580	.18540	-.00080	.04850	-.13510
.599	-10.057	11.89180	.51160	.08370	.05170	.15090	-.00780	.04270	-.08450
.600	-8.059	11.90200	.49690	.08140	.05830	.11980	-.00680	.03500	-.06410
.600	-6.021	11.91550	.48840	.08020	.06510	.09050	-.00670	.02600	-.03990
.601	-4.024	11.91550	.49110	.08220	.06420	.05830	-.00380	.01600	-.02770
.601	-3.043	11.91760	.48750	.08240	.05640	.04010	-.00200	.01110	-.02230
.600	-2.012	11.91580	.48380	.08220	.06660	.02380	-.00080	.00630	-.01510
.600	-1.042	11.91100	.48610	.08280	.06390	.00970	-.00030	.00220	-.00580
.599	.029	11.90990	.48610	.08330	.06370	-.00920	.00160	-.00300	-.00020
.601	1.062	11.90780	.48880	.08420	.06180	-.02440	.00250	-.00780	.00820
.601	2.087	11.90470	.49280	.08480	.06080	-.04040	.00340	-.01260	.01670
.600	3.096	11.90140	.49790	.08500	.05780	-.05820	.00510	-.01780	.02240
.600	4.050	11.89550	.49980	.08480	.05550	-.07390	.00630	-.02250	.02950
.601	6.084	11.89330	.49910	.08370	.05410	-.10480	.00740	-.03160	.04990
.601	8.098	11.88040	.50900	.08520	.04660	-.13520	.00780	-.03950	.07210
.600	10.131	11.86780	.51680	.08800	.03970	-.15790	.00340	-.04550	.11340
.601	12.193	11.85780	.52680	.09120	.03280	-.18390	.00170	-.05120	.14210
GRADIENT	-.00252	.00142	.00041	.00122	-.01616	.00119	-.00473	.00722	

RUN NO. 367/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.171	11.95270	.53490	.11020	.04500	.17860	-.00010	.03790	-.16600
.700	-10.101	11.96680	.53090	.10750	.05110	.16070	-.00700	.03240	-.10110
.699	-8.094	11.98430	.52040	.10480	.06050	.13040	-.00830	.02660	-.06550
.699	-6.034	11.98560	.51570	.10360	.06120	.09940	-.00830	.02110	-.03830
.699	-4.024	11.98500	.51640	.10400	.06100	.06270	-.00470	.01370	-.02810
.701	-3.039	11.98900	.51210	.10430	.06310	.04300	-.00240	.00960	-.02520
.700	-2.016	11.98610	.50690	.10340	.06320	.02460	-.00080	.00580	-.01880
.700	-1.004	11.97880	.50770	.10340	.06070	.00920	.00010	.00240	-.00980
.700	-.032	11.97870	.50750	.10380	.06060	-.00990	.00200	-.00170	-.00470
.699	1.007	11.97260	.51070	.10460	.05860	-.02560	.00330	-.00560	.00240
.700	2.074	11.97480	.51500	.10540	.05770	-.04340	.00460	-.00970	.01110
.699	3.032	11.97130	.51960	.10530	.05550	-.06340	.00690	-.01370	.01420
.700	4.055	11.97090	.52050	.10480	.05500	-.08140	.00850	-.01770	.02030
.700	6.070	11.96900	.52150	.10480	.05440	-.11440	.00950	-.02370	.04330
.700	8.110	11.95700	.52870	.10870	.04810	-.14450	.00850	-.03010	.07780
.700	10.140	11.92720	.54080	.11200	.03720	-.16690	.00380	-.03470	.12950
.699	12.179	11.90880	.54450	.11360	.02950	-.19920	.00180	-.04180	.17070
GRADIENT	-.00228	.00096	.00019	.00099	-.01756	.00156	-.00386	.00632	

CA5 ORB TC5 AT38.2 (PRES, KI F0 H15.6 V9.1)

(AGM090) (20 JAN 75)

REFERENCE DATA

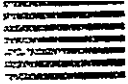
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 TORB = 7.850 ORSELV = 000

RUN NO. 374/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CO	CLM	CY	CLN	CSL	D1ORB
301	3.069	-.03290	.17240	.03060	.04540	-.00470	.00070	-.00190	-.00030
.300	4.072	-.03300	.20320	.03250	.04470	-.00500	.00090	-.00210	-.00040
.301	4.958	-.03320	.23110	.03520	.04510	-.00440	.00100	-.00220	-.00060
.299	5.861	-.02600	.26080	.03900	.04540	-.00480	.00080	-.00220	-.00030
.300	6.663	-.02640	.28560	.04230	.04560	-.00470	.00110	-.00210	-.00070
.299	7.513	-.02660	.31080	.04640	.04670	-.00420	.00120	-.00210	-.00090
301	8.443	-.01990	.33970	.05170	.04860	-.00440	.00150	-.00220	-.00110
.301	9.393	-.03390	.37020	.05840	.05010	-.00460	.00160	-.00230	-.00130
.300	10.138	-.04100	.39440	.06410	.05230	-.00450	.00180	-.00230	-.00150
300	11.061	-.04110	.42240	.07180	.05480	-.00480	.00190	-.00240	-.00160
.299	11.811	-.02760	.44590	.07910	.05720	-.00420	.00220	-.00240	-.00200
300	12.662	-.02090	.47320	.08810	.06040	-.00450	.00230	-.00230	-.00210
.299	13.546	-.02110	.50130	.09830	.06440	-.00430	.00250	-.00220	-.00240
.299	14.182	-.02560	.51420	.10310	.06680	.00550	.00440	-.00150	-.00700
.299	15.262	-.02130	.54840	.11870	.07180	-.00480	.00270	-.00190	-.00260
.299	16.124	-.02820	.57150	.13030	.07640	-.00510	.00270	-.00180	-.00260
301	17.014	-.02840	.59130	.14230	.08200	-.00520	.00280	-.00160	-.00280
.299	17.970	-.02860	.60970	.15540	.08900	-.00540	.00300	-.00140	-.00310
.299	18.677	-.02170	.61960	.16470	.09410	-.00610	.00310	-.00140	-.00300
.299	19.615	-.02150	.63030	.17670	.10200	-.00580	.00300	-.00140	-.00290
.299	20.516	-.02150	.63520	.18730	.11150	-.00670	.00310	-.00120	-.00290
.299	21.324	-.02120	.63750	.19630	.12040	-.00690	.00290	-.00110	-.00260
	GRADIENT	-.00016	.03108	.00242	-.00017	.00015	.00016	-.00016	-.00016



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM090) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109 0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936 6800 IN. ZMRP = 375 0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RJD-U = .000 ELV-1B = 000
 ELV-0B = 3 000 S1-2 = 000
 S3-4 = .000 S5-6 = .000
 IORB = 7 850 ORBELV = 000

RUN NO. 373/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.501	3.153	-.02250	.19130	.03440	.04440	-.00660	- 00010	-.00230	.00330
.501	4.118	-.02270	.21970	.03580	.04460	-.00680	00010	- 00240	00300
.500	5.017	-.01610	.24880	.03790	.04470	-.00670	00020	- 00250	00270
.500	5.733	-.01630	.27310	.04020	.04580	- 00660	00020	-.00250	00250
.500	5.940	-.01630	.28080	.04080	.04590	-.00670	.00030	-.00260	00250
.500	6.689	- 01670	.30340	.04370	.04690	- 00660	00040	- 00260	00210
.500	7.554	-.01700	.33010	.04760	.04830	-.00660	.00050	- 00270	.00180
.500	8.482	-.02440	.35910	.05260	.05060	-.00660	00070	- .00280	00140
.500	9.433	-.02490	.38940	.05880	.05330	-.00670	.00090	- 00280	00080
.501	10.244	-.01830	.41520	.06490	.05580	-.00700	00110	- 00290	00050
.499	11.164	-.01890	.44320	.07230	.05940	-.00690	.00130	-.00290	-.00010
.500	11.957	-.01930	.46860	.07970	.06270	-.00710	00140	- 00300	- 00050
.500	12.805	-.01290	.49600	.08840	.06650	-.00740	00170	- 00300	- 00110
.499	13.706	-.02690	.52510	.09850	.07060	-.00720	.00170	- 00290	-.00130
.499	14.487	-.04080	.54710	.10790	.07470	- 00720	.00180	- 00280	- 00130
.500	15.478	-.03370	.57130	.11990	.07990	-.00710	.00180	- 00270	-.00110
.499	16.331	-.03360	.59030	.13070	.08530	-.00720	00180	- 00280	-.00100
.499	17.197	-.02720	.60650	.14180	.09190	-.00780	.00200	- 00260	-.00150
.499	18.157	-.02820	.62270	.15440	.10010	-.00850	.00230	- 00210	-.00270
.499	18.939	-.02880	.63200	.16400	.10710	-.00860	00250	- 00210	-.00330
.501	19.914	-.02940	.64170	.17620	.11690	-.00840	.00270	- 00190	-.00400
.501	20.753	-.02980	.64660	.18600	.12640	- 01000	.00280	- 00160	- 00440
.499	21.475	-.03650	.64730	.19380	.13590	-.01040	.00290	-.00180	-.00410
.500	21.684	-.03650	.64740	.19580	.13860	- 01040	.00280	-.00150	-.00430
	GRADIENT	-.00021	.02946	.00145	.00021	-.00021	.00021	-.00010	-.00031

ORIGINAL PAGE
OF POOR QUALITY

CAS ORB TCS AT38 2 (PRES KI FO H15.6 V9 1)

(AGM090) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = 0000 IN YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 ELV-1B = 000
 ELV-0B = 3 000 S1-2 = 000
 S3-4 = 000 S5-6 = 000
 10RB = 7.650 ORBELV = .000

RUN NO. 372/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.600	3.205	-.02100	20620	.03680	.04270	-.00740	.00000	- .00240	.00470
.600	4 187	-.02810	23600	.03850	.04310	- .00770	.00010	- .00250	.00460
.599	4.683	-.02840	25240	.03950	.04360	-.00730	.00010	- .00250	.00420
.600	5.059	-.02180	.26540	.04050	.04390	-.00750	.00020	-.00260	.00390
.601	5 714	-.02200	.28760	.04240	.04440	-.00770	.00030	-.00260	.00380
.600	6.667	-.02240	.31790	.04600	.04590	-.00790	.00040	-.00270	.00340
.601	7.525	- .02270	.34570	.05000	.04780	-.00800	.00060	- .00280	.00300
.600	8 419	-.03020	.37410	.05510	.05010	-.00770	.00070	- .00280	.00250
.600	9.357	-.03080	.40470	.06140	.05310	-.00760	.00090	- .00290	.00190
.599	10.113	-.03840	.42850	.06700	.05590	-.00780	.00110	-.00300	.00120
.600	11.026	-.03240	.45770	.07490	.06010	-.00780	.00130	-.00300	.00020
.600	11.911	-.03340	.48550	.08340	.06420	-.00810	.00160	- .00290	-.00080
.600	12.713	-.03460	.51230	.09230	.06820	-.00840	.00180	-.00270	-.00200
.600	13.606	-.03600	.54090	.10370	.07260	-.00890	.00210	-.00250	-.00340
.600	14.426	-.03090	.56410	.11500	.07690	-.00970	.00260	-.00230	-.00540
.600	15.403	-.04080	.58450	.12960	.08190	-.01070	.00300	-.00130	-.00850
.600	16.319	-.03430	.60160	.14320	.08790	-.01090	.00310	-.00090	-.00900
.601	17.197	-.03160	.61390	.15730	.09440	-.00990	.00270	- .00160	-.00620
.600	18.166	-.03680	.62620	.17160	.10280	-.01000	.00270	-.00130	- .00650
.600	18.957	-.03890	.63400	.18280	.11050	-.01020	.00270	-.00120	-.00670
.601	19.933	-.03880	.64190	.19660	.12130	-.01000	.00270	-.00110	-.00650
.601	20.842	-.04540	.64640	.20830	.13250	-.01010	.00260	- .00090	-.00630
.601	21.689	-.04540	.64950	.21930	.14360	-.01010	.00260	-.00070	-.00630
	GRADIENT	-.00532	.03113	.00181	.00058	.00002	.00007	- .00007	-.00031

CA5 ORB TC5 AT38.2 (PRES. KI F0 H15.6 V9.1)

(AGM090) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3 000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7 850 ORBELV = 000

RUN NO. 371/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	2.870	-.02920	.21570	.04050	.03950	-.00740	.00030	- 00250	00340
.700	3.777	-.02280	.24310	.04180	.04010	-.00720	.00040	- 00250	.00290
.700	4.689	-.02330	.27400	.04370	.04100	-.00760	.00060	- 00270	00240
.700	5.430	-.03080	.30000	.04600	.04200	-.00750	.00070	- 00260	00180
.700	6.353	-.02490	.33330	.04980	.04300	-.00750	.00090	- 00270	00080
.700	7.309	-.03270	.36470	.05500	.04520	-.00770	.00110	- 00290	- 00010
.699	8.059	-.02690	.38830	.05980	.04740	-.00800	.00130	- 00270	- 00120
.701	9.000	-.03550	.41900	.06810	.05040	-.00820	.00160	- 00280	- 00290
.700	9.837	-.03030	.44410	.07630	.05330	-.00830	.00190	- 00250	- 00460
.699	10.722	-.03730	.47120	.08640	.05680	-.00760	.00190	- 00230	- 00480
.700	11.657	-.03830	.49780	.09920	.05970	-.00790	.00200	- 00190	- 00580
.699	12.393	-.03920	.51800	.10900	.06270	-.00820	.00210	- 00150	- 00670
.700	13.284	-.04590	.54170	.12210	.06660	-.00810	.00210	- 00140	- 00650
.699	14.129	-.02460	.56200	.13420	.07150	-.00790	.00220	- 00190	- 00600
.700	15.010	-.03100	.57810	.14670	.07760	-.00750	.00220	- 00240	- 00550
.699	15.999	-.03060	.59240	.16020	.08620	-.00780	.00220	- 00230	- 00510
.699	16.732	-.03690	.60280	.17080	.09300	-.00790	.00210	- 00220	- 00450
.699	17.706	-.03530	.61310	.18500	.10290	-.00800	.00190	- 00210	- 00280
.700	18.659	-.03990	.62280	.19940	.11370	-.00820	.00150	- 00180	- 00040
.700	19.485	-.03660	.63070	.21220	.12290	-.00890	.00090	- 00140	.00310
.700	20.464	-.02690	.63900	.22750	.13510	-.00960	.00020	- 00070	.00610
.700	21.224	-.03170	.64530	.23970	.14470	-.01020	-.00010	- 00060	00850
.700	22.014	-.02240	.65130	.25270	.15520	-.01000	-.00040	- 00080	01110
	GRADIENT	.00324	.03206	.00176	.00082	-.00011	.00017	- 00011	- 00055

CA5 ORB NOZ AT3B.2 (PRES. K1 F0 H15.6 V9.1)

(AOM091) (20 JAN 75)

REFERENCE DATA

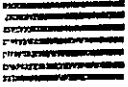
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELY-1B = .000 ELY-0B = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 376/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.301	3.285	-.02730	.18190	.05480	.04960	.00140	.00090	-.00170	- 00160
.301	4.283	-.02740	.21720	.05840	.05220	.00160	.00100	-.00180	-.00170
.301	5.088	-.03450	.24100	.05990	.05400	.00080	.00120	-.00190	-.00190
.300	5.829	-.03480	.28820	.08140	.05640	.00100	.00150	-.00190	-.00220
.299	6.816	-.03550	.29290	.08540	.05840	.00030	.00200	-.00180	- 00280
.300	7.910	-.04270	.32210	.07020	.06120	.00050	.00220	-.00190	-.00320
.300	8.842	-.04320	.34960	.07560	.06320	.00060	.00250	- 00190	-.00370
.300	9 900	-.03620	.38060	.08330	.06540	.00040	.00250	- 00200	- 00370
.299	10.819	-.03670	.40840	.09060	.07020	.00020	.00300	-.00200	- 00410
.300	11 802	-.03690	.43850	.09970	.07440	.00040	.00310	- 00200	- 00440
.299	12.816	-.03020	.46780	.11030	.07910	.00020	.00340	-.00190	-.00460
.300	13 708	-.03040	.49530	.12110	.08400	-.00040	.00350	-.00180	-.00480
.300	14 852	-.03060	.52450	.13440	.08980	-.00090	.00380	- 00180	-.00500
.299	15.718	-.03050	.54600	.14550	.09460	-.00110	.00390	-.00190	-.00500
.299	16 638	-.03730	.56530	.15730	.10050	-.00200	.00390	- 00180	-.00490
.299	17 647	-.03760	.58160	.17060	.10790	-.00180	.00410	-.00150	-.00520
.299	18 561	-.02380	.59230	.18180	.11570	-.00290	.00410	- 00120	- 00530
.299	19.634	-.03040	.60090	.19530	.12460	-.00380	.00410	- 00110	- 00500
.299	20 513	-.02330	.60550	.20530	.13310	-.00470	.00410	-.00110	- 00480
.299	21.496	-.03000	.60880	.21580	.14240	-.00480	.00400	- 00100	-.00460
	GRADIENT	-.00010	.02535	.00190	.00260	.00020	.00010	-.00010	-.00010



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB NOZ AT38.2 (PRES. K1 F0 H15.6 V9 1)

(AGM091) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 377/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORE
.500	3.454	-.02600	.20860	.05840	.05390	-.00260	.00040	-.00200	-.00030
.500	4.382	-.03310	.23460	.05970	.05580	-.00290	.00050	-.00210	-.00050
.501	5.236	-.03340	.26080	.06160	.05800	-.00260	.00060	-.00220	-.00080
.499	6.003	-.02680	.28500	.06380	.05980	-.00280	.00080	-.00220	-.00110
.499	7.024	-.03470	.31590	.06760	.06180	-.00280	.00110	-.00230	-.00210
.499	7.989	-.03490	.34460	.07190	.06460	-.00270	.00120	-.00240	-.00230
.500	8.952	-.03550	.37330	.07730	.06770	-.00300	.00140	-.00240	-.00290
.500	9.992	-.02890	.40500	.08460	.07160	-.00280	.00150	-.00250	-.00330
.500	10.925	-.03630	.43220	.09190	.07580	-.00300	.00180	-.00270	-.00380
.501	11.939	-.03680	.46240	.10110	.08060	-.00340	.00200	-.00270	-.00430
.499	12.985	-.03700	.49470	.11200	.08640	-.00310	.00210	-.00270	-.00450
.499	13.851	-.03730	.52090	.12230	.09130	-.00320	.00220	-.00260	-.00480
.499	14.984	-.03720	.54920	.13580	.09780	-.00370	.00230	-.00270	-.00470
.499	15.940	-.03740	.56810	.14710	.10450	-.00380	.00240	-.00260	-.00500
.499	16.903	-.03090	.58310	.15890	.11240	-.00460	.00270	-.00260	-.00540
.499	17.828	-.03110	.59370	.16990	.12010	-.00460	.00270	-.00240	-.00570
.499	18.805	-.03090	.60350	.18150	.12870	-.00470	.00260	-.00210	-.00550
.499	19.833	-.03130	.61300	.19440	.13840	-.00520	.00270	-.00180	-.00590
.499	20.814	-.03140	.62120	.20650	.14820	-.00570	.00280	-.00150	-.00610
.500	21.744	-.03840	.62410	.21710	.15870	-.00620	.00290	-.00150	-.00620
GRADIENT		-.00766	.02804	.00140	.00205	-.00032	.00011	-.00011	-.00022

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB NOZ AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM091) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 376/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CO	CLM	CY	CLN	CSL	D1ORB
601	3.508	-- 02340	.22320	.06100	.05710	-.00530	.00020	-.00220	.00240
600	4.447	- 03070	.24990	.06230	.05880	-.00520	.00030	-.00230	.00200
601	5.204	- 03100	.27430	.06400	.06060	-.00530	.00040	- 00240	.00160
.600	6.081	-.03140	.30330	.06670	.06260	-.00500	.00050	- 00240	.00120
600	7.082	- 03430	.33310	.07010	.06420	-.00310	.00090	-.00230	- 00170
600	8.055	- 02800	.36370	.07510	.06700	-.00300	.00100	-.00230	-.00230
600	9.025	-.02840	.39390	.08090	.07030	- 00310	.00120	- 00260	-.00270
.600	10.105	-.03600	.42690	.08890	.07540	-.00360	.00150	-.00270	- 00340
.601	11.027	-.03710	.45460	.09690	.08030	-.00370	.00170	-.00260	-.00450
.600	12.032	-.03090	.48580	.10720	.08570	- 00400	.00190	-.00250	-.00530
600	13.092	-.03180	.51970	.12000	.09130	-.00450	.00220	- 00260	-.00630
.599	13.964	-.03220	.54510	.13130	.09630	-.00490	.00250	- 00280	- 00670
.599	15.141	-.03920	.57100	.14790	.10290	-.00460	.00240	-.00250	- 00680
600	16.037	- 03780	.58240	.16030	.10990	-.00380	.00220	.00270	-.00530
599	16.954	-.02880	.59250	.17340	.11740	-.00280	.00200	- 00360	-.00330
.599	17.953	-.03470	.60100	.18730	.12630	-.00250	.00200	-.00380	-.00220
600	18.945	-.03460	.61080	.20240	.13550	-.00260	.00200	-.00370	-.00210
600	19.963	-.03530	.61950	.21680	.14550	- 00290	.00210	- 00340	-.00290
599	20.942	-.02870	.62620	.23040	.15590	-.00320	.00220	-.00320	-.00320
599	21.899	-.02920	.63070	.24310	.16720	-.00360	.00220	- 00260	- 00370
	GRADIENT	-.00778	.02845	.00139	.00181	.00011	.00011	-.00011	-.00043

12/11/75 10:00 AM
 12/11/75 10:00 AM
 12/11/75 10:00 AM
 12/11/75 10:00 AM

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 263

CA5 ORB NOZ AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM091) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109 0000 IN XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

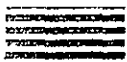
PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 375/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	3.559	-.01090	.23870	.06440	.06050	-.00590	00050	-.00230	00100
.701	4.522	-.02520	.26960	.06640	.06200	-.00610	.00070	-.00230	.00050
.701	5.315	-.01870	.29650	.06840	.06350	-.00600	00080	-.00240	00010
.700	6.153	-.01250	.32620	.07160	.06510	-.00630	00090	-.00240	-.00060
.700	7.148	-.02620	.35880	.07660	.06800	-.00640	.00100	-.00240	-.00050
.700	8.126	-.02120	.38990	.08390	.07110	-.00670	00130	-.00240	-.00240
.700	9.120	-.02310	.41970	.09320	.07500	-.00710	00170	-.00210	-.00430
.701	10.179	-.02350	.44900	.10530	.07930	-.00680	.00170	-.00200	-.00460
.700	11.082	-.01900	.47850	.11580	.08280	-.00450	.00100	-.00370	00080
.699	12.124	-.02470	.50720	.12980	.08710	-.00370	.00110	-.00410	00110
.701	13.148	-.02470	.53410	.14500	.09270	-.00330	00120	-.00460	.00100
.700	14.071	-.01820	.55500	.15820	.09930	-.00280	00150	-.00500	.00060
.700	15.243	-.00960	.56890	.17350	.10910	-.00190	.00130	-.00520	00240
.701	16.136	-.00980	.57640	.18530	.11790	-.00210	00120	-.00510	00320
.700	17.151	-.02300	.58390	.19870	.12720	-.00300	00140	-.00500	.00280
.699	18.108	-.02210	.59200	.21290	.13710	-.00360	00130	-.00480	.00380
.700	19.105	-.02100	.60290	.22950	.14650	-.00420	00120	-.00430	.00500
.700	20.116	-.01730	.61400	.24620	.15620	-.00540	.00060	-.00400	.00890
.700	21.122	-.01460	.62580	.26370	.16600	-.00570	00010	-.00360	.01200
.699	22.069	-.00380	.63700	.28100	.17570	-.00610	-.00060	-.00330	01620
	GRADIENT	-.01485	.03208	.00208	00156	-.00021	00021	-.00000	-.00052

ORIGINAL PAGE IS
 OF POOR QUALITY



CA5 ORB NOZ AT3B.2 (PRES. KI FO H15.6 V9.1)

(AGM092) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7 850

RUN NO. 382/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.301	3.391	-.04140	.19520	.05560	.04990	.00110	.00110	- 00200	-.00180
.299	4.259	- 04830	.21750	.05730	.05160	.00080	.00120	- .00190	- 00180
.301	5.073	-.04860	.24210	.05970	.05370	.00130	.00140	- .00190	- .00210
.299	5.923	-.04890	.26750	.06280	.05580	.00060	.00160	- 00190	- 00240
.300	6.890	-.05650	.29510	.06650	.05730	-.00050	.00230	- .00200	- 00320
.299	7.853	-.05670	.32380	.07130	.06020	-.00030	.00240	- 00200	- .00330
.299	8.833	-.04350	.35270	.07700	.06250	-.00020	.00290	- .00200	- 00400
.299	9.850	-.04350	.38370	.08480	.06600	-.00040	.00290	- .00220	- 00400
.300	10.777	- 05090	.41030	.09180	.06940	-.00100	.00330	- .00210	- 00450
.299	11.791	-.03720	.44130	.10130	.07360	-.00080	.00350	- .00210	- .00460
.299	12.802	- 04450	.47230	.11230	.07900	-.00100	.00380	- 00210	- 00510
.300	13.646	-.04450	.49600	.12190	.08300	-.00150	.00390	- 00210	- .00510
.300	14.850	-.04470	.52910	.13620	.08940	-.00210	.00420	- .00190	- .00540
.300	15.723	- 04470	.54870	.14710	.09410	-.00220	.00430	- .00200	- .00530
.300	16.666	- 04470	.57060	.16000	.10040	-.00240	.00430	- 00180	- .00540
.299	17.627	- 04470	.58520	.17240	.10730	-.00300	.00440	- 00170	- .00540
.299	18.577	-.04460	.59540	.18410	.11510	-.00480	.00450	- 00140	- 00540
.299	19.588	- 04460	.60430	.19670	.12410	-.00500	.00450	- 00130	- .00540
.299	20.545	-.04430	.61020	.20810	.13360	-.00540	.00440	- .00130	- .00510
.301	21.492	-.04430	.61250	.21820	.14300	-.00630	.00450	- 00110	- .00510
	GRADIENT	- 00795	.02569	.00196	.00196	-.00035	.00012	.00012	.00000

CA5 ORB NOZ AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM092) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT, XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 381/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	3.411	-.03990	.20930	.05940	.05310	-.00360	.00030	-.00210	-.00040
.501	4.344	-.04050	.23520	.06080	.05520	-.00350	.00070	-.00220	-.00100
.499	5.170	-.04780	.26030	.06250	.05700	-.00340	.00090	-.00230	-.00130
.501	5.970	-.04130	.28560	.06490	.05900	-.00360	.00100	-.00230	-.00170
.501	7.037	-.04900	.31750	.06870	.06130	-.00320	.00120	-.00240	-.00250
.500	7.993	-.04240	.34600	.07310	.06390	-.00320	.00140	-.00240	-.00280
.499	8.962	-.04300	.37490	.07670	.06590	-.00340	.00160	-.00250	-.00350
.500	9.975	-.04330	.40640	.08570	.07070	-.00310	.00170	-.00250	-.00380
.500	10.942	-.04390	.43500	.09330	.07490	-.00330	.00200	-.00260	-.00440
.500	11.888	-.04420	.46300	.10190	.07970	-.00340	.00210	-.00280	-.00480
.499	12.910	-.05170	.49490	.11270	.08520	-.00350	.00230	-.00270	-.00530
.499	13.836	-.05160	.52230	.12320	.09040	-.00360	.00240	-.00270	-.00530
.500	14.980	-.05180	.55070	.13710	.09710	-.00390	.00250	-.00270	-.00550
.500	15.925	-.04510	.57030	.14660	.10360	-.00400	.00260	-.00260	-.00570
.499	16.874	-.05220	.59420	.15990	.11160	-.00450	.00280	-.00270	-.00600
.500	17.806	-.04550	.59570	.17090	.11940	-.00470	.00290	-.00240	-.00630
.500	18.767	-.03110	.60570	.18280	.12780	-.00520	.00270	-.00210	-.00570
.500	19.864	-.03860	.61900	.19580	.13840	-.00590	.00300	-.00200	-.00630
.499	20.777	-.03860	.62210	.20710	.14760	-.00610	.00300	-.00180	-.00630
.499	21.749	-.04570	.62590	.21820	.15840	-.00660	.00320	-.00170	-.00660
	GRADIENT	-.00064	.02776	.00150	.00225	.00011	.00021	-.00011	-.00064

CAS ORB NOZ AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM092) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 7.850

RUN NO. 380/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.601	3 510	-.02960	.22510	.06230	.05630	-.00630	.00020	- 00220	.00310
.600	4.392	-.02320	.25010	.06350	.05820	-.00640	.00030	-.00230	.00250
.600	5.263	-.02350	.27790	.06550	.06020	- 00620	.00040	- 00240	.00220
.601	6.086	-.02390	.30510	.06800	.06200	-.00630	.00050	- 00250	.00180
.600	7.087	-.03840	.33600	.07190	.06450	-.00590	.00060	-.00250	.00120
.601	8.043	-.03890	.36640	.07710	.06700	-.00570	.00080	-.00260	.00070
.601	9 020	-.04030	.39650	.08290	.07040	-.00570	.00110	- 00270	- 00070
.601	10 058	-.04090	.42770	.09030	.07530	-.00570	.00130	- 00270	-.00140
.600	11.045	-.04210	.45750	.09880	.08030	-.00550	.00150	-.00270	- 00260
.600	12.018	-.04340	.48750	.10870	.08540	-.00590	.00180	-.00250	- 00390
.599	13.045	-.05230	.52020	.12100	.09080	-.00640	.00240	-.00250	- 00600
.599	13.944	-.05580	.54590	.13420	.09570	-.00750	.00310	-.00190	- 00970
.600	15 091	-.05280	.57260	.14950	.10260	-.00610	.00250	-.00230	- 00650
.599	16.023	-.04430	.59480	.16210	.10920	- 00490	.00220	-.00270	- 00490
.600	16 968	-.04940	.59510	.17560	.11690	-.00410	.00210	- 00350	- 00310
.599	17.931	-.04940	.60240	.18900	.12560	-.00410	.00210	-.00340	-.00310
.600	18 908	- 04410	.60990	.20360	.13510	-.00480	.00220	- 00240	- 00480
.600	19.972	-.04460	.61880	.21890	.14570	- 00520	.00230	- 00200	- 00530
.599	20 958	- 04470	.62620	.23230	.15600	-.00490	.00240	-.00210	- 00550
.600	21 891	-.04440	.63060	.24460	.16800	- 00490	.00240	- 00210	- 00520
	GRADIENT	.00726	.02837	.00136	.00216	-.00011	.00011	-.00011	-.00068

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB NOZ AT38.2 (PRES. KI FO H15.6 V9.1)

(AGM092) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 379/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.699	3.583	- 03180	.24110	.06550	.05960	- .00650	.00060	-.00240	.00080
.701	4 473	- 03210	.26940	.06720	.06140	- .00650	.00070	- 00240	.00050
.700	5.292	- .03290	.29800	.06960	.06260	- .00650	.00090	- 00240	-.00020
.700	6.167	- .03370	.32900	.07280	.06440	- .00640	.00100	- .00240	-.00110
.699	7.125	- .03380	.35930	.07760	.06720	- .00650	.00110	- 00240	- 00110
.700	8 104	- 03550	.39140	.08490	.07030	- .00680	.00140	- 00250	- 00290
.700	9.069	- 04410	.41980	.09380	.07420	- .00740	.00170	- .00220	- 00460
.700	10.156	- .03750	.44970	.10610	.07850	- .00690	.00180	- 00200	-.00500
.700	11.105	- .03700	.47740	.11810	.08300	- .00660	.00170	- .00200	-.00440
.699	12.120	- .03520	.50470	.13090	.08740	- 00560	.00150	- 00260	-.00260
.699	13 154	- 03830	.52790	.14630	.09390	- .00670	.00190	- 00160	- 00580
.699	14.036	- 03840	.54720	.15870	.10000	- .00630	.00200	- .00190	- 00600
.699	15.222	- .02940	.56250	.17460	.10980	- .00510	.00180	- .00240	- 00380
.699	16.123	- .03610	.57090	.18610	.11830	- 00560	.00180	- 00230	- 00360
.700	17.113	- .04220	.57890	.19980	.12820	- .00640	.00180	- .00240	-.00270
.699	18 089	- 04090	.58530	.21340	.13840	- .00690	.00160	- 00200	- 00150
.699	19.032	- 03290	.59440	.22830	.14780	- 00780	.00130	- .00150	-.00030
.699	20.132	- .03050	.60650	.24600	.15800	- .00860	.00080	- 00080	.00230
.699	21.140	- .02670	.62030	.26430	.16760	- .00920	.00010	- .00040	.00630
.699	22.094	- .02160	.62990	.28090	.17740	- 00910	-.00070	- .00080	.01200
	GRADIENT	- 00034	.03180	.00191	.00202	- .00000	.00011	.00000	- 00034

ORIGINAL PAGE IS
 OF POOR
 QUALITY

CA5 ORB NOZ AT38.2 (PRES. KI FO H15.6 V9.1)

(AQM093) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

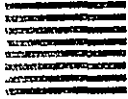
ALPHA1 = 8.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 386/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
300	-12.001	11.75100	.44850	.09810	.06390	.19040	- 01630	.05140	- 02010
299	-10.080	11.75390	.44190	.09850	.06520	.16190	- 01480	.04430	- 01580
.299	-8.036	11.75870	.44220	.09890	.06700	.12720	- .01100	.03440	- .01320
.300	-6.061	11.76350	.44070	.09920	.06920	.09280	- .00790	.02490	- .00990
299	-4.045	11.76630	.44560	.10030	.07050	.05980	- .00450	.01510	- .00680
299	-3.054	11.76730	.44320	.10170	.07280	.04460	- 00330	.01020	- 00490
299	-2.049	11.76890	.44140	.10210	.07530	.02890	- .00180	.00570	- .00340
300	-1.017	11.76950	.44050	.10230	.07590	.01100	- .00020	.00160	- 00160
.300	.016	11.76890	.44080	.10260	.07550	- .00670	.00110	- .00300	.00030
.300	1.014	11.76820	.44230	.10320	.07370	- .02400	.00260	- .00750	.00200
300	2.089	11.76620	.44590	.10360	.07180	- .04210	.00390	- .01230	.00420
.299	3 018	11.76390	.44880	.10400	.06890	- 05560	.00490	- .01650	.00610
.300	4.057	11.76220	.44890	.10220	.06700	- .07330	.00680	- .02130	.00740
.301	6.018	11.75510	.44540	.10200	.06430	- .10490	.00990	- .03090	.01060
.299	8.088	11.74950	.44390	.10040	.06060	- .14330	.01420	- .04090	.01270
.301	10 058	11.74890	.44120	.09810	.05930	- .17240	.01600	- .04980	.01740
.301	12 034	11.74420	.44460	.09750	.05680	- .20270	.01740	- .05770	.02230
	GRADIENT	-.00055	.00067	.00030	-.00057	-.01658	.00138	-.00444	.00179

RUN NO. 385/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12 085	11.88730	.48670	.10290	.06730	.19020	- 01680	.05340	- 05020
.499	-10.106	11.88720	.47820	.10060	.06740	.16300	- 01650	.04600	- .03500
.500	-8.073	11.89500	.47130	.10050	.06990	.12650	- 01230	.03640	- .02970
.499	-6.079	11.90450	.46920	.10060	.07380	.09380	- 00920	.02620	- 02100
.500	-4.048	11.91150	.46890	.10180	.07670	.05980	- .00500	.01610	- .01630
.499	-3 026	11.91320	.46770	.10260	.07850	.04380	- 00360	.01080	- .01140
.499	-2.102	11.91580	.46530	.10260	.08070	.02810	- .00210	.00660	- .00790
.500	-1.089	11.91450	.46490	.10270	.08100	.01090	- .00030	.00230	- .00480
.500	.044	11.91690	.46440	.10300	.08090	- .00800	.00140	- .00310	.00020
501	1.051	11.91360	.46670	.10340	.07940	- .02470	.00300	- .00790	.00430
.500	2.065	11.91050	.47100	.10390	.07730	- .04120	.00440	- .01260	.00870
.500	3.109	11.90840	.47330	.10440	.07480	- .05870	.00570	- 01790	.01460
501	4.018	11.90580	.47370	.10330	.07300	- .07240	.00720	- 02200	.01750
.500	6.058	11.89650	.47320	.10280	.06930	- .10660	.01110	- .03200	.02330
.500	8.063	11.88360	.47590	.10170	.06580	- .14410	.01520	- .04200	.02950
.501	10.094	11.88000	.47990	.10120	.06380	- .17700	.01770	- .05120	.04020
501	12.015	11.87640	.48460	.10230	.06130	- .20520	.01890	- .05870	.05230
	GRADIENT	-.00080	.00081	.00024	-.00056	-.01653	.00152	-.00470	.00418



CA5 ORB NOZ AT38.2 (PRES K1 F0 H15.6 V9.1)

(AGM093) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7 850

RUN NO 364/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12 082	11.97700	.51300	.11190	.07050	.19240	-.01840	05320	- 06050
.599	-10 081	11.97690	50940	.10900	.07050	.16630	-.01840	04560	- 03860
.599	-8.105	11.98450	49990	.10820	.07280	.12910	-.01380	03690	- 03390
.600	-6.020	11.99580	.49390	.10690	.07830	.09390	-.01010	.02690	- 02460
.599	-4.050	12.00400	.49380	.10830	.08160	.06150	-.00570	01630	- 01920
.601	-3 035	12.00680	49280	.10850	.08300	.04360	-.00390	.01120	- .01410
.600	-1 993	12.00900	48700	.10790	.08530	.02630	- 00200	.00650	- 00990
.600	-1.008	12.01060	.48720	.10830	.08560	.00930	-.00020	00240	- 00550
.601	.028	12.01050	.48700	.10880	.08520	-.00850	.00170	-.00270	- .00140
.601	1.036	12.00750	.48910	.10910	.08370	- 02470	00340	- 00750	00330
.600	2.078	12.00300	.49350	.10990	.08140	-.04260	.00520	-.01230	.00780
.599	3 108	11.99730	49770	.11080	.07840	-.05880	.00680	-.01750	.01390
.601	4.087	11.99440	.49860	.11060	.07630	-.07550	00860	- 02210	.01780
.601	6 105	11.98300	.49920	.11040	.07260	- 11130	01330	-.03180	.02200
.601	7 785	11.97270	.50390	.11050	.06920	-.14210	.01680	-.03960	02820
.599	8 077	11.97250	.50400	.11010	.06880	-.14880	.01750	-.04140	.02940
.601	10 138	11.96530	50690	.11070	.06580	- 18340	.02000	- 04950	04320
.601	12 069	11.96210	.51050	.11330	.06390	-.21280	.02160	-.05670	05800
	GRADIENT	-.00134	.00080	.00034	-.00073	-.01679	.00175	-.00470	.00453

CA5 ORB NOZ AT38.2 (PRES. KI FO H15.6 VS.1)

(AGM093) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7.850

RUN NO. 383/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.081	12.05890	.52980	.13420	.06880	.20780	-.01780	.04310	- 07440
.700	-10.082	12.06380	.52690	.13300	.07080	.17890	-.01900	.03610	- 03930
.699	-8.082	12.07810	.51790	.13180	.07650	.13870	- 01450	.02790	- 03150
.700	-6.040	12.08860	.51320	.13030	.08000	.10250	-.01080	.02110	- 02340
.700	-4.093	12.09700	.51410	.13230	.08270	.06780	-.00630	.01330	- 02040
.700	-3.115	12.09790	.51110	.13230	.08360	.04850	-.00400	.00980	- 01830
.700	-2.095	12.10090	.50420	.13150	.08610	.03000	-.00200	.00630	- 01500
.701	-1.047	12.10360	.50210	.13150	.08690	.01080	.00020	.00280	- 01190
.700	.044	12.10210	.50260	.13150	.08650	-.00760	.00200	-.00160	- 00600
.700	1.051	12.10020	.50470	.13140	.08570	-.02600	.00400	- 00510	- 00260
.700	2.071	12.09840	.50980	.13210	.08370	-.04560	.00620	-.00890	.00030
.700	3.071	12.09080	.51300	.13290	.08040	-.06280	.00810	- 01260	.00440
.701	4.023	12.08850	.51390	.13350	.07860	-.08010	.00990	- 01620	.00830
.700	6.088	12.07290	.51610	.13210	.07440	-.11920	.01470	- 02340	.01160
.701	8.103	12.06170	.52060	.13200	.07070	-.15730	.01870	- 03120	.02030
.701	10.101	12.04710	.52880	.13300	.06540	-.19290	.02090	- 03950	.04020
.700	12.127	12.04160	.53150	.13430	.06280	-.22190	.02060	- 04910	.07440
GRADIENT		-.00103	.00030	.00012	-.00051	-.01812	.00197	-.00364	.00363

CA5 ORB NOZ AT38.2 (PRES K1 F0 H15 6 V9 1)

(AGM094) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
LREF = 474.8100 IN YMRP = .0000 IN YO
BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6.000 STAB = 1 000
RUD-U = 10 000 RUD-L = 10 000
ELV-1B = .000 ELV-0B = 3 000
SI-2 = .000 S3-4 = 45.000
S5-6 = 20 000 IORB = 7.950

RUN NO. 390/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.022	11.69350	.45090	.09810	.06330	.19160	-.01610	.05170	-.02060
300	-10 066	11 74290	.44090	.09750	.06380	.16170	-.01450	.04410	- 01610
300	-8 037	11 74730	.44220	.09810	.06570	.12610	-.01060	.03410	- 01360
300	-6 027	11 75260	.44020	.09920	.06910	.09210	- 00750	.02450	- 01010
.300	-4.011	11.75540	.44530	.09950	.07030	.05880	-.00420	.01440	-.00700
.300	-3 041	11.75650	.44250	.10050	.07260	.04360	-.00280	.01000	-.00550
299	-2.022	11.75780	.44060	.10080	.07520	.02810	-.00150	.00550	-.00370
.300	-1.080	11.75830	.43980	.10110	.07560	.01020	.00020	.00140	-.00230
.300	.064	11 75770	.44060	.10190	.07490	- 00860	.00150	- 00350	.00010
.299	1.069	11.75590	.44280	.10220	.07310	-.02640	.00310	- 00820	.00180
.300	2.102	11.75550	.44550	.10270	.07110	-.04200	.00410	-.01240	.00390
.300	3.107	11.75280	.44760	.10260	.06870	-.05690	.00530	-.01720	.00590
300	4.056	11.75100	.44760	.10120	.06630	-.07370	.00710	- 02160	.00710
.300	6 052	11 74260	.44460	.10140	.06380	-.10690	.01050	- 03150	.01010
299	8.060	11.73870	.44290	.09920	.06050	-.14340	.01450	- 04110	.01230
.301	10.085	11.73840	.44090	.09700	.05900	-.17250	.01620	-.05010	.01710
.300	12 069	11 73360	.44410	.09630	.05570	-.20370	.01780	-.05800	.02180
GRADIENT	- 00059	.00062	.00030	-.00063	-.01650	.00137	- 00443	.00180	

RUN NO 389/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.091	11 88420	.48590	.10240	.06710	.18940	- 01690	.05300	-.04930
500	-10 064	11.88100	.47780	.10010	.06730	.16110	- 01620	.04540	-.03490
.500	-8.025	11.88860	.47110	.10010	.07010	.12420	-.01200	.03570	-.02950
500	-6.038	11.89860	.46830	.09980	.07410	.09200	- 00880	.02550	- 02130
500	-4.055	11.90450	.46890	.10140	.07630	.05880	-.00470	.01550	- 01660
.501	-3 068	11.90740	.46740	.10190	.07660	.04290	- 00330	.01040	- 01190
.499	-2.026	11.90910	.46360	.10190	.08070	.02550	- 00160	.00580	- 00800
.500	-1 047	11.90990	.46410	.10220	.08090	.00850	.00000	.00150	-.00470
.499	.017	11.90580	.46410	.10250	.08010	-.00800	.00140	- 00390	.00080
.500	1.065	11.90680	.46630	.10300	.07870	-.02710	.00330	- 00880	.00450
.500	2 051	11 90390	.47050	.10360	.07670	-.04250	.00470	- 01310	.00840
500	3 109	11 90020	.47220	.10390	.07410	-.05840	.00560	- 01810	.01450
.500	4.087	11.89780	.47310	.10270	.07180	-.07490	.00770	- 02280	.01690
.501	6 037	11.88820	.47270	.10240	.06670	-.10710	.01130	- 03260	.02330
501	8 056	11 87650	.47540	.10080	.06530	-.14500	.01550	- 04260	.02930
.499	10.081	11.87070	.47780	.10030	.06350	-.17770	.01760	-.05160	.04060
499	12 085	11 86660	.48500	.10170	.06040	-.20860	.01910	- 05950	.05320
GRADIENT	- 00101	.00077	.00025	-.00068	-.01646	.00151	- 00467	.00416	

CA5 ORB NOZ AT38.2 (PRES. K1 F0 H15.6 VS.1)

(AGM094) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

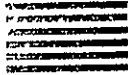
ALPHA1 = 6.000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 388/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	-12 113	11.97100	.51250	.11140	.07040	.19230	-.01890	.05270	- 05740
.601	-10.081	11.97320	.50840	.10660	.07090	.16360	- 01810	.04460	- 03760
.599	-8 077	11.97740	.49870	.10720	.07330	.12700	- 01360	.03600	- 03290
.600	-6.041	11.99020	.49350	.10630	.07840	.09240	- 00980	.02620	- 02470
.600	-4.037	11.99690	.49360	.10810	.08120	.05910	- .00530	.01560	- .01930
.600	-3.035	12.00040	.49130	.10770	.08320	.04190	- .00360	.01060	- .01430
.601	-2 049	12 00340	.48670	.10760	.08530	.02530	- .00180	.00600	- .01030
.600	-1.077	12.00330	.48640	.10780	.08540	.00770	.00010	.00180	- .00640
.600	043	12.00100	.48740	.10850	.08440	-.00940	.00180	- 00380	- .00050
.600	1.036	11.99920	.48890	.10850	.08330	-.02730	.00380	- .00830	.00320
.600	2.058	11.99490	.49290	.10940	.08060	-.04420	.00550	- .01300	.00790
.600	3.081	11 98900	.49730	.11040	.07750	-.06150	.00710	- .01840	.01440
.599	4.087	11.98380	.49700	.10980	.07560	-.07780	.00900	- 02290	.01770
.600	6 084	11 97390	.49840	.11040	.07200	- 11290	.01360	- 03210	.02150
.601	8 045	11.96780	.50150	.11060	.06870	- .15170	.01840	- .04040	.02510
.600	10.135	11.96000	.50400	.11110	.06620	- .18650	.02060	- .04840	.04030
.600	12.122	11.95310	.50610	.11380	.06390	- .21770	.02240	- .05600	.05510
	GRADIENT	- 00177	.00077	.00031	-.00084	-.01687	.00176	- .00473	.00458

RUN NO. 387/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12 126	12 05530	.52910	.13380	.06900	.20730	-.01840	.04280	- 07050
.701	-10.081	12.05890	.52620	.13290	.07090	.17610	- .01870	.03530	- .03810
.699	-8.102	12.07190	.51660	.13180	.07660	.13560	- .01430	.02750	- .03030
.699	-6 040	12 08280	.51210	.13070	.08050	.09940	- .01040	.02060	- 02360
.700	-4.079	12.09190	.51300	.13230	.08260	.06460	- .00590	.01270	- .02010
.700	-3 045	12.09200	.50930	.13190	.08420	.04470	- .00360	.00880	- 01700
.699	-2 018	12.09480	.50250	.13110	.08650	.02550	- 00150	.00530	- 01390
.700	-1.060	12.09490	.50180	.13100	.08650	.00800	.00040	.00190	- .01020
.700	.059	12.09520	.50270	.13170	.08630	-.01100	.00230	- .00200	- .00520
.700	1.024	12.09560	.50420	.13160	.08550	-.02720	.00410	- .00540	- 00200
.700	2 078	12.09010	.50940	.13200	.08340	-.04600	.00620	- 00900	.00100
.700	3.037	12 08310	.51310	.13280	.08030	- 06450	.00820	- .01300	.00500
.700	4.010	12.07830	.51260	.13270	.07870	- 08120	.01000	- .01650	.00910
.701	6.048	12.06550	.51580	.13220	.07410	- .11930	.01450	- .02370	.01360
.700	8.076	12.05350	.52090	.13170	.07010	- .15970	.01880	- 03160	.02150
.700	10.046	12.04200	.52650	.13280	.06550	- .19350	.02070	- .03890	.04120
.700	12.106	12.03710	.52610	.13390	.06450	- .22470	.02040	- 04720	.07440
	GRADIENT	- 00146	.00042	.00011	-.00056	-.01789	.00194	- 00358	.00363



CA5 ORB NOZ AT38.2 (PRES KI FO H15 6 V9.1)

(AGM095) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = 0000 IN YO
 BREF = 936 6800 IN. ZMRP = 375 0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELY-IB = 10 000 ELY-OB = 13.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 394/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.301	3.078	-.05950	.19290	.05680	.04910	-.00720	00050	-.00220	00040
.299	4 070	- 05990	.21760	.05880	.05140	- 00720	.00070	- 00230	00020
300	4 950	-.05990	.24300	.06090	.05400	-.00700	00080	- 00240	00010
.300	5.825	-.05290	.26970	.06460	.05630	-.00680	00080	-.00240	.00020
.300	6.669	-.06020	.29240	.06710	.05820	-.00750	.00110	-.00240	-.00020
.299	7 468	-.06030	.31500	.07080	.06010	-.00700	.00110	- 00240	-.00030
300	8.403	- 05360	.34350	.07620	.06260	- 00720	00140	-.00260	- 00050
.300	9 324	-.05380	.37080	.08260	.06530	-.00740	00160	- 00270	- 00070
.299	9.997	-.05390	.39130	.08760	.06760	-.00690	00160	-.00270	-.00080
300	10.906	-.04720	.41760	.09490	.07120	- 00750	00190	-.00280	- 00100
.299	11.763	-.06130	.44310	.10260	.07490	-.00730	.00210	-.00280	- 00130
.299	12.532	-.05470	.46830	.11110	.07880	-.00710	.00240	-.00280	-.00160
.300	13 400	- 05480	.49240	.12100	.08340	-.00770	.00250	-.00270	- 00170
300	14.217	- 06180	.51550	.13090	.08770	-.00760	.00260	- 00250	- 00190
.300	15.185	-.05510	.53820	.14250	.09290	-.00770	00270	- 00250	- 00200
.300	16 096	-.05520	.55940	.15420	.09860	- 00790	00280	- 00220	- 00220
.300	16.931	-.06230	.57790	.16600	.10420	- 00770	00300	- 00220	- 00230
.300	17.865	-.06930	.59070	.17810	.11120	-.00870	00310	- 00200	-.00250
.299	18 668	-.06950	.59930	.18790	.11780	-.00910	.00330	-.00180	-.00270
.300	19 625	-.07620	.60680	.19970	.12600	- 00950	.00330	- 00190	- 00250
.300	20.517	-.05540	.61400	.21060	.13420	- 00960	00330	-.00180	- 00250
.299	21 351	-.05530	.61540	.21930	.14220	-.01020	.00330	- 00170	-.00240
	GRADIENT	-.00016	.02672	.00219	00261	.00010	00016	- 00011	- 00016

CAS ORB NOZ AT3B.2 (PRES. K1 FO H15.6 VS.1)

(AGM095) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-OB = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 393/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	3.178	-.05080	.20550	.06010	.05250	-.00720	.00020	-.00230	.00230
500	4.176	-.05600	.23150	.06120	.05490	-.00740	.00040	-.00240	.00200
.500	5.074	-.05140	.25960	.06310	.05700	-.00720	.00050	-.00250	.00170
.500	5.927	-.05140	.28610	.06550	.05900	-.00720	.00050	-.00260	.00170
.500	6.747	-.05190	.31060	.06840	.06090	-.00700	.00070	-.00260	.00120
.499	7.582	-.06600	.33520	.07200	.06310	-.00700	.00080	-.00270	.00090
500	8.495	-.05260	.36280	.07700	.06580	-.00720	.00100	-.00280	.00050
.501	9.439	-.05990	.39200	.08330	.06910	-.00690	.00110	-.00280	.00020
.501	10.223	-.05320	.41530	.08870	.07240	-.00720	.00120	-.00290	-.00010
.501	11.171	-.06070	.44300	.09650	.07680	-.00730	.00150	-.00300	-.00070
500	11.980	-.06090	.46720	.10410	.08080	-.00730	.00160	-.00300	-.00090
501	12.838	-.05440	.49390	.11320	.08540	-.00750	.00170	-.00300	-.00130
.500	13.695	-.04760	.51990	.12290	.09020	-.00730	.00180	-.00300	-.00140
.499	14.394	-.05480	.53910	.13140	.09410	-.00760	.00200	-.00300	-.00170
.500	15.362	-.06160	.55990	.14290	.10040	-.00760	.00200	-.00310	-.00170
.499	16.290	-.05520	.57720	.15420	.10710	-.00760	.00220	-.00280	-.00220
.500	17.083	-.04600	.58970	.16390	.11310	-.00740	.00220	-.00310	-.00190
.499	17.997	-.06260	.59890	.17450	.12080	-.00830	.00240	-.00270	-.00270
500	18.796	-.05630	.60790	.18470	.12820	-.00830	.00250	-.00240	-.00340
.499	19.741	-.05660	.61620	.19640	.13680	-.00900	.00270	-.00210	-.00370
500	20.668	-.05700	.62300	.20760	.14590	-.00950	.00280	-.00190	-.00410
500	21.507	-.06430	.62680	.21700	.15530	-.00990	.00300	-.00200	-.00460
499	21.709	-.06440	.62760	.21920	.15790	-.01030	.00310	-.00180	-.00470
	GRADIENT	-.00722	.02606	.00110	.00241	-.00020	.00020	-.00010	-.00030

CAS ORB NOZ AT3B.2 (PRES. KI F0 H15.6 V9.1)

(AGM095) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109 0000 IN. X0
 LREF = 474.8100 IN YMRP = .0000 IN. Y0
 BREF = 936.6800 IN ZMRP = 375 0000 IN Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-IB = 10 000 ELV-OB = 13 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7.850

RUN NO. 392/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	3.242	-.05710	.21790	.08190	.05510	-.00710	.00020	-.00240	.00300
.600	4.234	-.05040	.24520	.06320	.05730	-.00730	.00040	-.00240	.00270
.600	5.147	-.05080	.27380	.06510	.05940	-.00720	.00050	-.00260	.00230
.601	6.007	-.04430	.30250	.06760	.06120	-.00720	.00060	-.00260	.00190
.600	6.823	-.05170	.32730	.07080	.06320	-.00710	.00070	-.00260	.00150
.601	7.642	-.05190	.35370	.07500	.06520	-.00690	.00080	-.00260	.00130
.601	8.558	-.05930	.38160	.08000	.06820	-.00690	.00090	-.00270	.00080
.600	9.498	-.05320	.41090	.08660	.07170	-.00710	.00120	-.00290	-.00010
.600	10.197	-.05380	.43220	.09160	.07540	-.00730	.00130	-.00290	-.00070
.600	11.147	-.04770	.46100	.10010	.08040	-.00740	.00160	-.00290	-.00160
.600	11.983	-.04850	.48600	.10850	.08490	-.00750	.00180	-.00270	-.00240
.599	12.813	-.04990	.51290	.11860	.08920	-.00820	.00210	-.00270	-.00370
.600	13.720	-.05780	.54120	.13070	.09420	-.00850	.00250	-.00300	-.00480
.600	14.523	-.05590	.56860	.14320	.09860	-.01080	.00330	-.00140	-.01000
.600	15.492	-.05550	.57620	.15690	.10450	-.01040	.00320	-.00090	-.00980
.600	16.405	-.06030	.58560	.16920	.11210	-.00920	.00280	-.00170	-.00750
.600	17.190	-.05200	.59410	.18060	.11860	-.00870	.00270	-.00220	-.00610
.599	18.135	-.05810	.60230	.19300	.12740	-.00850	.00260	-.00210	-.00520
.601	18.938	-.07150	.60920	.20480	.13540	-.00810	.00240	-.00190	-.00490
.601	19.880	-.06450	.61760	.21840	.14450	-.00820	.00240	-.00180	-.00480
.600	20.813	-.06510	.62350	.23100	.15420	-.00820	.00250	-.00160	-.00540
.600	21.643	-.06600	.62770	.24230	.16410	-.00870	.00270	-.00120	-.00640
.600	21.897	-.06620	.62800	.24500	.16740	-.00890	.00270	-.00110	-.00670
	GRADIENT	.00676	.02753	.00131	.00222	-.00020	.00020	.00000	-.00030

ORIGINAL PAGE IS OF POOR QUALITY

CA5 ORB NOZ AT38.2 (PRES. K1 F0 H18.6 V9.1)

(AGM095) (20 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 7.850

RUN NO. 381 / 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00 / 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.701	3.315	-.05130	.23530	.05580	.05870	-.00720	.00050	-.00250	.00180
.699	4.263	-.05170	.26340	.06720	.06020	-.00700	.00060	-.00250	.00140
.700	5.140	-.05240	.29340	.06980	.06170	-.00720	.00080	-.00260	.00080
.699	5.813	-.05300	.31700	.07200	.06310	-.00720	.00090	-.00260	.00010
.700	6.135	-.05230	.32850	.07320	.06350	-.00920	.00110	-.00310	.00080
.700	6.761	-.05400	.34880	.07650	.06530	-.00730	.00110	-.00260	-.00090
.700	7.610	-.05540	.37590	.08180	.06760	-.00750	.00140	-.00260	-.00230
.700	8.526	-.06430	.40480	.08920	.07100	-.00780	.00180	-.00260	-.00430
.700	9.444	-.05950	.43050	.09830	.07450	-.00860	.00210	-.00200	-.00650
.700	10.205	-.06690	.45120	.10730	.07740	-.00790	.00210	-.00180	-.00700
.700	11.135	-.06770	.47650	.11940	.08160	-.00810	.00220	-.00130	-.00780
.700	12.032	-.06630	.50070	.13090	.08600	-.00740	.00210	-.00170	-.00640
.699	12.839	-.06680	.52110	.14160	.09070	-.00740	.00220	-.00180	-.00690
.700	13.751	-.06680	.54300	.15500	.09560	-.00740	.00230	-.00190	-.00700
.699	14.505	-.05920	.56610	.16510	.10220	-.00690	.00230	-.00250	-.00630
.699	15.487	-.06590	.58610	.17730	.11150	-.00630	.00220	-.00250	-.00590
.699	16.476	-.06500	.57360	.18970	.12140	-.00690	.00220	-.00240	-.00520
.699	17.244	-.05680	.58090	.20040	.12940	-.00720	.00220	-.00280	-.00360
.699	18.202	-.06260	.58820	.21420	.13930	-.00750	.00190	-.00230	-.00270
.700	19.047	-.07430	.59580	.22800	.14780	-.00810	.00160	-.00210	-.00040
.699	19.999	-.05080	.60510	.24300	.15710	-.00910	.00110	-.00160	-.00250
.699	20.953	-.05430	.61640	.25910	.16640	-.01060	.00030	-.00050	.00620
.700	21.778	-.05090	.62600	.27390	.17450	-.01160	-.00040	-.00010	.00990
.700	22.058	-.05070	.62940	.27880	.17760	-.01160	-.00050	.00010	.01010
	GRADIENT	-.00042	.02964	.00148	.00158	.00021	.00011	.00000	-.00042

CAS ORB TC5 AT38.2 (PRES. KI FO H15.6 V9.1)

(AQM096) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = .000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 9.700

RUN NO. 397/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	5.066	-.05650	.32500	.04140	.04670	-.00650	-.00010	- 00260	.00360
.500	6.058	-.05000	.35530	.04530	.04790	-.00630	.00010	-.00270	.00310
.500	6.917	-.05030	.38500	.04950	.04910	-.00620	.00020	-.00270	.00280
.499	7.598	-.04350	.40780	.05320	.05060	-.00640	.00030	- 00280	.00270
.501	7.839	-.05730	.41660	.05490	.05130	-.00650	.00030	-.00290	.00270
.500	8.521	-.04410	.43730	.05920	.05320	-.00650	.00050	-.00300	.00210
.499	9.363	-.05150	.46290	.06530	.05620	-.00650	.00070	- 00300	.00160
.500	10.253	-.04490	.49000	.07270	.05960	-.00650	.00090	- 00300	.00130
.500	11.149	-.04530	.51780	.08080	.06300	-.00680	.00100	- 00300	.00090
.500	11.885	-.04570	.54650	.08820	.06630	-.00660	.00110	- 00300	.00050
.500	12.798	-.04610	.57030	.09860	.07020	-.00670	.00130	-.00290	.00010
.500	13.692	-.04620	.59920	.10980	.07410	-.00690	.00140	-.00280	.00000
.500	14.455	-.06020	.62540	.12040	.07750	-.00700	.00140	- 00270	-.00020
.500	15.314	-.06760	.65470	.13340	.08090	-.00720	.00160	-.00250	-.00070
.499	16.127	-.06120	.67950	.14600	.08440	-.00760	.00170	-.00230	-.00120
.500	17.093	-.06220	.70480	.16140	.08910	-.00860	.00210	-.00210	-.00230
.499	18.022	-.06290	.72520	.17670	.09450	-.00920	.00230	- 00180	-.00310
.500	18.810	-.05670	.73910	.19040	.10030	-.00970	.00240	-.00140	-.00380
.500	19.760	-.05390	.74960	.20870	.10700	-.00870	.00180	- 00200	-.00080
.500	20.590	-.06190	.75710	.22230	.11480	-.00960	.00210	-.00150	-.00200
.500	21.513	-.06190	.75310	.23660	.12440	-.00930	.00210	-.00140	- 00210
.499	22.465	-.06130	.76860	.25150	.13480	-.00920	.00190	- 00130	-.00140
.501	23.122	-.06090	.77090	.26200	.14240	-.00860	.00170	-.00140	-.00090
.500	23.599	-.06060	.77030	.26870	.14920	-.00890	.00170	-.00150	-.00060
	GRADIENT	00000	00000	.00000	.00000	.00000	.00000	00000	00000

CA5 ORB TC5 AT38.2 (PRES. KI FO H15.6 VG.1)

(AGM097) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 938.8800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 5.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = .000
 S1-B = .000 S3-4 = 45.000
 S5-B = 20.000 IORB = 9.700

RUN NO. 402/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.051	13.59220	.56050	.10350	.05700	.17310	-.00480	.05490	-.03950
.299	-10.084	13.59040	.56740	.09990	.06030	.14930	-.00740	.04840	-.02940
.299	-8.073	13.60210	.56040	.09910	.06560	.11850	-.00530	.03940	-.02460
.300	-8.089	13.61370	.55790	.10030	.07380	.08980	-.00370	.02870	-.01870
.300	-4.043	13.61770	.56110	.10320	.07260	.05940	-.00210	.01760	-.01260
.300	-3.037	13.61590	.56040	.10420	.07350	.04430	-.00120	.01200	-.00940
.300	-2.003	13.61640	.56350	.10590	.07230	.02890	-.00030	.00700	-.00660
.300	-1.018	13.61510	.56630	.10680	.07010	.01450	.00030	.00240	-.00360
.300	.023	13.61430	.56630	.10710	.06940	-.00280	.00120	-.00290	-.00040
.300	1.028	13.60890	.56900	.10770	.06660	-.01820	.00240	-.00810	.00210
.300	2.021	13.61070	.57030	.10730	.06870	-.03240	.00280	-.01290	.00550
.301	3.054	13.60930	.57100	.10630	.06420	-.04870	.00400	-.01860	.00840
.301	4.046	13.60750	.57050	.10500	.06270	-.06410	.00500	-.02370	.01090
.300	6.051	13.59770	.57130	.10410	.05800	-.09330	.00630	-.03450	.01750
.300	8.090	13.59130	.57070	.10270	.05350	-.12420	.00820	-.04470	.02320
.301	10.084	13.58560	.57700	.10280	.04750	-.15300	.00770	-.05330	.03170
.300	12.076	13.57770	.59220	.10630	.03880	-.17770	.00650	-.05910	.03930
GRADIENT	-.00129	.00141	.00028	-.00135	-.01529	.00086	-.00506	.00291	

RUN NO. 401/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.095	13.74280	.63140	.11130	.05330	.17380	-.00720	.05620	-.09180
.501	-10.095	13.75630	.61680	.10750	.06360	.15520	-.01130	.04930	-.06240
.499	-8.087	13.77360	.59840	.10410	.07470	.11900	-.00800	.04020	-.05250
.501	-6.044	13.78300	.59910	.10590	.07820	.09080	-.00680	.02910	-.03610
.501	-4.068	13.78400	.60020	.10770	.07780	.05990	-.00400	.01830	-.02490
.500	-3.067	13.78440	.60040	.10900	.07900	.04290	-.00230	.01260	-.01950
.500	-2.044	13.78010	.59920	.10960	.07780	.02580	-.00090	.00730	-.01340
.500	-1.077	13.77770	.60150	.11040	.07450	.01220	-.00010	.00280	-.00700
.501	.001	13.77720	.60240	.11120	.07390	-.00600	.00150	-.00280	-.00080
.499	.997	13.77250	.60640	.11200	.07100	-.02180	.00270	-.00810	.00560
.501	2.076	13.77240	.61020	.11250	.06980	-.03700	.00370	-.01350	.01270
.501	3.028	13.77170	.61430	.11230	.06720	-.05470	.00540	-.01890	.01780
.500	4.113	13.76610	.61450	.11110	.06420	-.07120	.00710	-.02460	.02310
.499	6.056	13.75840	.61110	.10920	.06350	-.10050	.00880	-.03500	.03740
.501	8.127	13.74340	.61550	.10950	.05720	-.13250	.01020	-.04500	.05370
.501	10.121	13.73170	.62720	.11270	.04790	-.15690	.00860	-.05310	.07770
.500	12.170	13.71570	.64890	.11760	.03440	-.18860	.00900	-.05970	.09350
GRADIENT	-.00212	.00205	.00050	-.00178	-.01593	.00130	-.00520	.00601	

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS ORB TC5 AT38.2 (PRES. K1 F0 H15.6 V9.1)

(AGM097) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUO-U = .000 RUO-L = .000
 ELV-18 = .000 ELV-08 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 9.700

RUN NO. 400/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.135	13.83080	.64970	.13310	.05380	.17990	-.00910	.04750	-.10490
.601	-10.121	13.85200	.63820	.12840	.06420	.16490	-.01460	.04120	-.06070
.601	-8.067	13.87490	.62480	.12580	.07560	.12980	-.01170	.03240	-.04680
.600	-6.119	13.87930	.62490	.12630	.07660	.10130	-.01030	.02370	-.02840
.600	-4.081	13.87980	.63170	.12820	.07540	.06490	-.00570	.01560	-.02310
.600	-3.075	13.889370	.62990	.12830	.07720	.04510	-.00320	.01130	-.02090
.599	-2.062	13.87580	.62710	.12760	.07640	.02730	-.00110	.00720	-.01720
.601	-1.045	13.87330	.62950	.12870	.07290	.01120	.00000	.00320	-.01000
.599	.010	13.87420	.62940	.12850	.07330	-.00850	.00230	-.00110	-.00640
.599	1.053	13.86590	.63580	.12980	.06920	-.02570	.00390	-.00550	-.00030
.600	2.014	13.86660	.64030	.13100	.06830	-.04160	.00530	-.00960	.00610
.600	3.033	13.86470	.64500	.13090	.06550	-.06090	.00790	-.01430	.00820
.600	4.075	13.85510	.64240	.12950	.06360	-.07940	.01010	-.01930	.01250
.600	6.080	13.84820	.63720	.12780	.06310	-.11290	.01290	-.02800	.02600
.601	8.121	13.83610	.64020	.12930	.05750	-.14300	.01380	-.03670	.04790
.601	10.124	13.81560	.65210	.13450	.04670	-.16840	.01170	-.04330	.08050
.601	12.099	13.79240	.66570	.13800	.03480	-.19580	.01120	-.05050	.10580
GRADIENT		-.00297	.00197	.00034	-.00166	-.01748	.00185	-.00423	.00467

RUN NO. 399/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.701	-12.203	13.91790	.67410	.16240	.05190	.19310	-.00470	.04190	-.16010
.700	-10.148	13.95540	.65800	.15940	.06650	.16250	-.00650	.03430	-.11680
.700	-8.079	13.97300	.64960	.15820	.07240	.13440	-.00890	.02800	-.07310
.700	-6.107	13.97250	.64670	.15630	.07280	.10480	-.00880	.02170	-.04430
.699	-4.040	13.97540	.64900	.15590	.07290	.06710	-.00520	.01370	-.03120
.699	-3.074	13.97580	.64560	.15570	.07430	.04800	-.00280	.00900	-.02650
.699	-2.022	13.97140	.64040	.15570	.07380	.02970	-.00110	.00480	-.01910
.699	-1.018	13.96240	.64170	.15620	.06990	.01290	.00000	.00120	-.01020
.700	.010	13.96350	.64100	.15630	.07020	-.00690	.00220	-.00220	-.00640
.700	1.027	13.95870	.64780	.15800	.06630	-.02550	.00380	-.00620	.00130
.699	2.025	13.95590	.65210	.15860	.06650	-.04180	.00490	-.00960	.01000
.701	3.048	13.95250	.65770	.16000	.06460	-.06140	.00700	-.01400	.01610
.700	4.090	13.95230	.65530	.15870	.06460	-.08140	.00920	-.01870	.02160
.699	6.111	13.94040	.65930	.15940	.06000	-.11510	.01080	-.02550	.04360
.699	8.145	13.92450	.66370	.16070	.05430	-.14460	.00960	-.03140	.08030
.699	10.156	13.89880	.67940	.16490	.04410	-.17380	.00750	-.03700	.12100
.699	12.166	13.86170	.69330	.16780	.02840	-.20530	.00660	-.04520	.16050
GRADIENT		-.00323	.00149	.00040	-.00132	-.01809	.00168	-.00385	.00670

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TCS AT38 2A (PRES KI F0

V9.1)

(AGM098) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 TORB = 7.650

RUN NO. 407/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.149	3.021	-.05450	.18130	.02420	.05100	.00530	.00280	-.00260	-.00130
.151	4.021	-.05460	.20930	.02790	.05060	.00530	.00300	-.00250	-.00140
.151	4.901	-.04760	.24070	.03500	.05120	.00700	.00290	-.00250	-.00140
.149	5.762	-.05460	.26960	.04360	.05030	.00560	.00320	-.00260	-.00140
.150	6.572	-.05470	.29410	.04800	.04950	.00710	.00320	-.00260	-.00150
.150	7.433	-.05470	.32030	.05460	.05080	.00570	.00350	-.00250	-.00160
.150	8.364	-.05470	.34840	.06270	.05230	.00580	.00360	-.00260	-.00160
.150	9.283	-.05480	.37600	.07240	.05370	.00590	.00380	-.00250	-.00170
.149	10.067	-.05480	.40570	.08100	.05600	.00610	.00390	-.00260	-.00170
.149	10.999	-.05490	.43050	.09150	.05790	.00630	.00420	-.00240	-.00180
.149	11.827	-.05490	.45680	.10250	.06120	.00490	.00440	-.00230	-.00180
.149	12.690	-.05500	.48430	.11600	.06570	.00510	.00470	-.00220	-.00190
.149	13.569	-.06200	.50860	.12930	.06920	.00360	.00490	-.00180	-.00200
.149	14.377	-.05510	.53150	.13990	.07340	.00380	.00510	-.00180	-.00210
.150	15.372	-.04820	.55650	.15310	.07850	.00400	.00510	-.00150	-.00210
.150	16.197	-.05510	.57470	.16520	.08310	.00430	.00490	-.00150	-.00200
.150	17.108	-.05520	.59220	.18010	.08920	.00450	.00520	-.00140	-.00210
.150	18.020	-.05510	.60310	.19310	.09560	.00320	.00520	-.00120	-.00200
.150	18.731	-.05510	.61750	.20580	.10210	.00350	.00520	-.00120	-.00210
.149	19.285	-.04820	.62400	.21420	.10660	.00370	.00530	-.00120	-.00210
	GRADIENT	.00358	.03148	.00570	.00009	.00088	.00006	.00005	-.00005

CAS ORB TC5 AT38.2A (PRES. K1 F0

V9.1)

(AGM098) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45 000 S5-6 = 20.000
 IORB = 7 850

RUN NO. 406/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	3.065	-.03760	.19340	.03490	.04580	-.00440	-.00050	- .00210	.00170
.301	4.073	-.04480	.22330	.03700	.04450	-.00430	-.00040	- .00220	.00150
300	4.978	-.05180	.25190	.04020	.04430	-.00470	-.00020	- .00230	.00130
300	5.823	-.03790	.27950	.04400	.04560	-.00450	-.00020	- .00240	.00140
.301	6.653	-.05960	.30260	.04690	.04660	-.00440	.00040	- .00240	.00050
.301	7.488	-.04590	.32760	.05110	.04810	-.00430	.00050	- .00250	.00040
.301	8.427	-.05990	.35680	.05650	.04970	-.00420	.00070	- .00250	.00020
.299	9.391	-.05320	.38620	.06330	.05160	-.00400	.00090	- .00260	-.00010
300	10.140	-.05350	.40940	.06910	.05360	-.00430	.00110	- .00260	-.00030
.301	11.048	-.06060	.43710	.07680	.05680	-.00410	.00130	- .00270	-.00060
.299	11.844	-.05400	.46140	.08440	.06010	-.00360	.00140	- .00260	-.00090
.300	12.700	-.05420	.48680	.09320	.06350	-.00420	.00160	- .00250	-.00100
.300	13.574	-.05440	.51360	.10340	.06790	-.00400	.00180	- .00240	-.00130
.301	14.337	-.05440	.53340	.11170	.07130	-.00390	.00180	- .00230	-.00130
.301	15.306	-.05160	.55640	.12280	.07620	-.00400	.00210	- .00230	-.00160
.300	16.181	-.05470	.57810	.13420	.08130	-.00470	.00210	- .00210	-.00170
.301	17.041	-.05490	.59480	.14510	.08670	-.00450	.00220	- .00200	-.00180
.300	17.943	-.05510	.60840	.15660	.09360	-.00470	.00240	- .00190	-.00200
.301	18.737	-.05530	.61610	.16600	.10000	-.00530	.00260	- .00180	-.00220
301	19.694	-.05530	.62320	.17700	.10890	-.00550	.00260	- .00160	-.00230
300	20.588	-.05530	.62920	.18780	.11710	-.00560	.00270	- .00160	-.00230
.301	21.430	-.05500	.62970	.19630	.12650	-.00610	.00260	- .00160	-.00200
		GRADIENT	-.00742	.03057	.00276	-.00079	-.00015	.00016	-.00021

CA5 ORB TC5 AT38.2A (PRES. K1 F0

V9.1)

(AGM098) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = 000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 404/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.599	3.654	-.04730	.24990	.04150	.04200	-.00650	-.00030	-.00260	.00580
.599	4.770	-.04090	.27970	.04370	.04280	-.00680	-.00020	-.00270	.00540
.600	5.493	-.04810	.30480	.04600	.04350	-.00670	-.00010	-.00270	.00510
.599	5.981	-.04150	.32140	.04770	.04410	-.00670	.00000	-.00270	.00480
.600	6.420	-.04850	.33550	.04950	.04440	-.00670	.00010	-.00270	.00470
.600	7.368	-.04230	.36610	.05400	.04640	-.00680	.00030	-.00270	.00400
.600	8.152	-.04280	.39130	.05880	.04850	-.00680	.00040	-.00280	.00350
.599	9.077	-.04360	.41990	.06450	.05160	-.00690	.00060	-.00290	.00260
.600	9.930	-.04440	.44680	.07110	.05480	-.00720	.00090	-.00300	.00190
.600	10.842	-.04550	.47540	.07890	.05930	-.00710	.00110	-.00300	.00080
.600	11.783	-.04710	.50440	.08830	.06370	-.00780	.00150	-.00280	-.00090
.599	12.436	-.06220	.52540	.09560	.06700	-.00840	.00180	-.00260	-.00220
.599	13.312	-.05030	.55270	.10690	.07120	-.00920	.00230	-.00240	-.00420
.600	14.121	-.06070	.57420	.11870	.07480	-.01060	.00290	-.00170	-.00770
.599	14.998	-.06150	.59250	.13070	.07960	-.01110	.00300	-.00110	-.00860
.600	15.960	-.06020	.60460	.14350	.08670	-.01040	.00290	-.00130	-.00740
.599	16.777	-.05870	.61280	.15440	.09330	-.00980	.00270	-.00190	-.00580
.599	17.709	-.05860	.62150	.16690	.10140	-.00970	.00270	-.00180	-.00570
.599	18.596	-.05870	.62890	.17900	.10990	-.00990	.00260	-.00140	-.00580
.600	19.382	-.05900	.63610	.19050	.11790	-.00990	.00270	-.00130	-.00630
.600	20.342	-.05220	.64300	.20320	.12800	-.01010	.00270	-.00120	-.00630
.600	21.241	-.05200	.64770	.21520	.13940	-.01000	.00270	-.00100	-.00620
.601	21.872	-.04470	.64930	.22310	.14820	-.00970	.00250	-.00080	-.00580
	GRADIENT	.00699	.03254	.00240	.00066	-.00011	.00011	-.00011	-.00044

CA5 ORB TC5 AT38.2A (PRES. K1 F0

V9.1)

(AGM098) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 403/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL -	D1ORB
.700	3.913	-.03570	.27170	.04690	.04130	-.00790	.00040	-.00240	00360
.700	4.818	-.03630	.30430	.04960	.04190	-.00790	.00050	-.00240	00300
.700	5.550	-.04390	.33010	.05230	.04270	-.00830	.00070	-.00250	00240
.699	6.087	-.03790	.34940	.05460	.04350	-.00820	.00080	-.00250	.00140
.700	6.394	-.04460	.36030	.05610	.04400	-.00850	.00080	-.00250	00160
.700	7.338	-.04600	.39240	.06190	.04600	-.00860	.00110	-.00250	.00020
.700	8.031	-.04710	.41430	.06720	.04810	-.00880	.00130	-.00250	-.00080
.699	8.965	-.04920	.44230	.07580	.05120	-.00910	.00160	-.00210	-.00300
.700	9.800	-.04260	.46630	.08530	.05400	-.00900	.00170	-.00180	-.00340
.700	10.633	-.04390	.48950	.09580	.05630	-.00890	.00180	-.00140	-.00460
.699	11.538	-.04400	.51320	.10710	.05970	-.00920	.00180	-.00120	-.00470
.700	12.342	-.05040	.53460	.11820	.06320	-.00870	.00180	-.00150	-.00430
.700	13.210	-.05700	.55870	.13010	.06700	-.00830	.00190	-.00190	-.00400
.700	14.044	-.05030	.57670	.14150	.07220	-.00820	.00200	-.00210	-.00420
.700	14.833	-.04350	.58750	.15160	.07820	-.00830	.00210	-.00230	-.00440
.700	15.826	-.04360	.59700	.16320	.08720	-.00850	.00210	-.00210	-.00440
.700	16.650	-.04260	.60470	.17380	.09530	-.00870	.00210	-.00220	-.00350
.700	17.524	-.04090	.61100	.18490	.10430	-.00910	.00190	-.00230	-.00170
.699	18.471	-.03940	.61930	.19670	.11400	-.00910	.00160	-.00190	-.00010
.699	19.158	-.05150	.62680	.20950	.12110	-.00950	.00120	-.00160	00170
.700	20.084	-.04660	.63510	.22390	.13200	-.01040	.00040	-.00130	00700
.699	21.013	-.04490	.64450	.23690	.14270	-.01070	.00010	-.00110	00890
.699	21.783	-.03580	.64970	.25120	.15320	-.01100	-.00030	-.00090	.01130
.699	22.022	-.03250	.65160	.25520	.15690	-.01150	-.00090	-.00090	01480
	GRADIENT	-.00065	.03604	.00298	.00066	.00000	.00011	.00000	-.00066

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB NOZ AT38 2A (PRES. K1 F0 V9 1)

(AGM099) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = 0000 IN. YO
 ORCF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 411/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.301	3.082	-.05310	.19330	.05780	.04810	-.00570	.00060	-.00210	.00000
.299	4.051	-.05320	.21710	.05960	.05060	-.00600	.00070	-.00220	.00000
.301	4.971	-.05340	.24360	.06200	.05280	-.00620	.00100	-.00230	-.00030
.300	5.835	-.05310	.26930	.06510	.05530	-.00600	.00080	-.00240	.00010
.301	6.638	-.04680	.29040	.06780	.05710	-.00590	.00120	-.00240	-.00050
.300	7.521	-.06090	.31550	.07150	.05930	-.00580	.00130	-.00240	-.00080
.300	8.461	-.06080	.34290	.07690	.06190	-.00560	.00130	-.00240	-.00070
.301	9.368	-.06110	.37040	.08300	.06440	-.00580	.00160	-.00250	-.00110
.300	10.051	-.06130	.39070	.08810	.06710	-.00610	.00180	-.00260	-.00120
.300	11.005	-.05460	.41730	.09560	.07060	-.00550	.00200	-.00260	-.00140
.301	11.830	-.06170	.44230	.10310	.07430	-.00570	.00220	-.00260	-.00170
.300	12.615	-.05490	.46560	.11180	.07800	-.00600	.00230	-.00250	-.00180
.300	13.500	-.06210	.49180	.12210	.08290	-.00580	.00250	-.00240	-.00210
.300	14.210	-.06220	.51050	.12980	.08680	-.00600	.00260	-.00230	-.00220
.300	15.187	-.06230	.53540	.14150	.09240	-.00620	.00270	-.00230	-.00230
.300	16.060	-.06250	.55410	.15240	.09770	-.00640	.00280	-.00210	-.00250
.299	16.770	-.06260	.56900	.16180	.10190	-.00710	.00300	-.00200	-.00260
.300	17.693	-.06290	.58340	.17410	.10890	-.00680	.00320	-.00190	-.00300
.299	18.546	-.06290	.59280	.18440	.11590	-.00750	.00330	-.00160	-.00300
.300	19.442	-.06300	.60110	.19560	.12360	-.00810	.00340	-.00150	-.00320
.300	20.385	-.05610	.60710	.20680	.13180	-.00810	.00340	-.00150	-.00310
.299	21.102	-.05600	.61070	.21470	.13840	-.00800	.00340	-.00140	-.00310
.300	21.510	-.05600	.61030	.21880	.14290	-.00860	.00350	-.00140	-.00310
	GRADIENT	-.00016	.02661	.00222	.00249	-.00027	.00021	-.00011	-.00016

CA5 ORB NOZ AT38.2A (PRES. K1 F0

V9 1)

(AGM099) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 935 6800 IN ZMRP = 375.0000 IN ZO
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO 410/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	3.183	-.05770	.20620	.06110	.05200	-.00770	.00030	-.00240	.00240
501	4.133	-.05780	.23180	.06260	.05420	-.00730	.00030	-.00240	.00230
.500	5.010	-.05810	.25850	.06420	.05630	-.00740	.00040	-.00250	.00200
500	5.666	-.05140	.27890	.06600	.05810	-.00740	.00050	-.00250	.00170
501	6.000	-.05840	.28860	.06700	.05860	-.00730	.00050	-.00260	.00170
.501	6.603	-.05190	.30700	.06890	.06020	-.00720	.00070	-.00260	.00120
501	7.498	-.05200	.33310	.07280	.06250	-.00720	.00070	-.00270	.00120
500	8.339	-.05240	.35850	.07700	.06490	-.00720	.00090	-.00270	.00080
500	9.263	-.05290	.38690	.08280	.06810	-.00720	.00110	-.00270	.00030
.500	10.035	-.06010	.40970	.08800	.07120	-.00720	.00120	-.00280	.00000
500	10.979	-.05360	.43710	.09530	.07560	-.00710	.00140	-.00290	-.00050
.500	11.832	-.06400	.46200	.10290	.07980	-.00720	.00150	-.00290	-.00080
.501	12.578	-.05430	.48610	.11080	.08390	-.00730	.00170	-.00290	-.00120
.499	13.480	-.04750	.51310	.12070	.08910	-.00740	.00180	-.00290	-.00130
.499	14.303	-.04780	.53590	.13030	.09370	-.00750	.00190	-.00290	-.00160
499	15.274	-.04790	.55740	.14190	.09990	-.00730	.00200	-.00300	-.00170
.500	16.211	-.06150	.57510	.15340	.10600	-.00690	.00200	-.00310	-.00140
501	16.932	-.04800	.58620	.16190	.11180	-.00730	.00220	-.00310	-.00180
499	17.683	-.04900	.59740	.17320	.11980	-.00820	.00240	-.00260	-.00290
500	18.652	-.04920	.60550	.18260	.12660	-.00830	.00250	-.00240	-.00310
499	19.442	-.04980	.61140	.19190	.13390	-.00890	.00270	-.00210	-.00380
499	20.357	-.05720	.61930	.20330	.14290	-.00920	.00280	-.00180	-.00440
499	21.138	-.05780	.62480	.21260	.15090	-.01010	.00300	-.00170	-.00500
501	21.757	-.05820	.62730	.21990	.15820	-.01020	.00310	-.00160	-.00550
	GRADIENT	-.00011	.02697	.00158	.00232	.00042	.00000	.00000	-.00011

CA5 ORB NOZ AT38.2A (PRES. K) F0

V9.1)

(AGM099) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 409/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.599	3.241	-.04370	.21880	.06330	.05480	-.00740	.00030	-.00230	.00260
.599	4.228	-.04380	.24630	.06460	.05690	-.00740	.00040	-.00240	.00250
.600	5.106	-.04430	.27400	.06640	.05890	-.00730	.00050	-.00250	.00200
.600	5.761	-.04440	.29500	.06810	.06040	-.00740	.00060	-.00250	.00180
.599	6.011	-.04440	.30410	.06890	.06090	-.00750	.00060	-.00250	.00190
.600	6.690	-.03790	.32480	.07160	.06240	-.00750	.00070	-.00250	.00150
.601	7.582	-.03830	.35230	.07560	.06490	-.00700	.00080	-.00250	.00110
.601	8.423	-.04570	.37870	.08020	.06750	-.00720	.00100	-.00270	.00060
.600	9.355	-.03970	.40750	.08640	.07120	-.00730	.00120	-.00280	-.00040
.601	10.138	-.04010	.43090	.09240	.07490	-.00740	.00140	-.00280	-.00080
.600	11.071	-.04090	.45880	.10000	.07990	-.00760	.00160	-.00280	-.00170
.600	11.933	-.05560	.48470	.10880	.08450	-.00770	.00180	-.00260	-.00270
.599	12.677	-.05020	.50870	.11760	.08850	-.00820	.00210	-.00250	-.00410
.599	13.573	-.05970	.53710	.13000	.09340	-.00910	.00280	-.00240	-.00580
.600	14.355	-.05940	.55540	.14160	.09750	-.01030	.00320	-.00140	-.00970
.601	15.318	-.05560	.57420	.15560	.10320	-.01020	.00310	-.00100	-.00970
.600	16.253	-.06070	.58350	.16780	.11070	-.00920	.00280	-.00140	-.00790
.600	16.987	-.05960	.59190	.17850	.11680	-.00870	.00280	-.00190	-.00670
.599	17.927	-.05220	.59940	.19100	.12500	-.00900	.00270	-.00170	-.00630
.600	18.756	-.05910	.60610	.20270	.13280	-.00900	.00260	-.00150	-.00630
.600	19.578	-.05200	.61340	.21470	.14090	-.00860	.00250	-.00120	-.00620
.601	20.477	-.05250	.62020	.22710	.15010	-.00890	.00270	-.00110	-.00670
.599	21.256	-.05950	.62420	.23750	.15900	-.00860	.00260	-.00100	-.00680
.599	21.912	-.05270	.62710	.24560	.16730	-.00880	.00260	-.00090	-.00700
	GRADIENT	-.00010	.02787	.00132	.00213	.00000	.00010	-.00010	-.00010

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB NOZ AT38.2A (PRES. KI FO

V9 1)

(AGM099) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = 0000 IN. YO
 SREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 RUD-U = 000
 RUD-L = 000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 TORB = 7 850

^ RUN NO. 408/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.701	3.308	-.04510	.23650	.06900	.05780	-.00740	.00070	- .00240	00120
.700	4.274	-.03930	.26500	.06920	.05940	-.00740	.00070	- .00250	00100
.700	5.177	-.04590	.29530	.07140	.06100	-.00740	.00090	- .00250	00040
.701	5.903	-.04630	.32140	.07420	.06280	-.00760	.00100	- .00260	- .00010
.700	6.133	-.04670	.32900	.07510	.06300	-.00750	.00110	- .00260	- .00050
.699	6.860	-.04760	.35230	.07820	.06490	-.00750	.00120	- .00260	- .00140
.701	7.713	-.04930	.38040	.08400	.06760	-.00760	.00150	- .00250	- .00300
.700	8.553	-.05070	.40620	.09060	.07040	-.00820	.00180	- .00240	- .00460
.700	9.476	-.05260	.43260	.10020	.07420	-.00840	.00210	- .00190	- .00550
.700	10.175	-.05290	.45160	.10890	.07680	-.00820	.00210	- .00170	- .00670
.700	11.111	-.05360	.47560	.12000	.08120	-.00800	.00210	- .00130	- .00750
.700	12.018	-.05320	.49990	.13200	.08560	-.00790	.00210	- .00130	- .00710
.700	12.805	-.05320	.52030	.14300	.09010	-.00750	.00220	- .00160	- .00710
.700	13.689	-.05360	.54160	.15550	.09580	-.00760	.00230	- .00170	- .00750
.700	14.511	-.05280	.55570	.16670	.10220	-.00650	.00230	- .00230	- .00660
.700	15.501	-.05220	.56540	.17900	.11170	-.00660	.00220	- .00220	- .00620
.699	16.405	-.05140	.57110	.18980	.12100	-.00650	.00210	- .00200	- .00540
.700	17.170	-.05030	.57790	.20040	.12860	-.00700	.00200	- .00220	- .00420
.699	18.122	-.04200	.58470	.21350	.13870	-.00750	.00190	- .00220	- .00250
.699	18.914	-.04650	.59310	.22650	.14630	-.00800	.00150	- .00180	- .00030
.700	19.730	-.04470	.60160	.24000	.15400	-.00880	.00110	- .00120	.00160
.701	20.858	-.03380	.61240	.25560	.16310	-.00990	.00030	- .00090	.00620
.700	21.427	-.03740	.62090	.26850	.17070	-.01020	- .00020	- .00070	.00960
.700	22.085	-.02750	.62710	.27940	.17780	-.01050	- .00070	- .00070	.01280
	GRADIENT	.00704	.02952	.00124	.00166	.00000	.00000	- .00010	- .00021

CA5 ORB NOZ AT38.2A (PRES. KI FO H15.1A

(AOM100) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 415/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.301	-12.030	11.75680	.44980	.04510	.06100	.19110	-.01510	.05150	- 02220
301	-10.033	11.75890	.44690	.04600	.06110	.16310	-.01380	.04390	-.01760
300	-8.045	11.76220	.44610	.04670	.06260	.12940	-.01030	.03440	-.01480
301	-6.042	11.76910	.44320	.04670	.06570	.09470	-.00700	.02490	-.01160
.301	-4.020	11.76980	.44660	.04840	.06730	.06280	-.00350	.01510	-.00910
.301	-3.035	11.77560	.44560	.04960	.07030	.04670	-.00240	.01010	-.00670
.301	-1.996	11.77270	.44290	.04940	.07270	.03080	-.00060	.00570	-.00560
.300	-1.033	11.77270	.44370	.04980	.07350	.01360	.00090	.00170	-.00400
.301	-.006	11.77260	.44250	.04980	.07250	-.00390	.00180	-.00310	-.00120
.300	1.006	11.77130	.44510	.05050	.07070	-.02120	.00340	-.00760	.00040
.300	1.990	11.76970	.44870	.05130	.06910	-.03770	.00460	-.01170	.00230
.300	3.016	11.76830	.44970	.05110	.06600	-.05250	.00580	-.01650	.00430
.301	3.992	11.76590	.45070	.05000	.06350	-.06930	.00780	-.02100	.00520
.301	6.029	11.76210	.44650	.04940	.06050	-.10370	.01150	-.03120	.00800
300	8.010	11.75690	.44500	.04790	.05700	-.13900	.01540	-.04070	.01030
.300	10.062	11.75190	.44220	.04540	.05610	-.16840	.01690	-.04970	.01530
.301	12.032	11.74960	.44650	.04420	.05300	-.19790	.01850	-.05740	.02000
GRADIENT	-.00075		.00056	.00026	-.00063	-.01657	.00137	-.00446	.00183

RUN NO. 414/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
500	-12.072	11.89610	.48820	.08180	.06650	.19030	-.01680	.05350	- 05030
501	-10.046	11.89630	.48150	.08070	.06700	.16170	-.01560	.04560	- 03790
500	-8.040	11.90210	.47570	.08090	.06890	.12740	-.01210	.03630	- 03110
.500	-6.053	11.91050	.47120	.08060	.07300	.09440	-.00880	.02630	-.02300
.501	-4.043	11.91770	.47170	.08190	.07520	.06060	-.00460	.01620	-.01840
500	-3.035	11.92210	.46960	.08220	.07750	.04470	-.00320	.01090	- 01340
500	-2.034	11.92300	.46570	.08190	.07990	.02740	-.00160	.00640	- 00950
500	-1.042	11.92370	.46620	.08210	.08010	.01030	.00020	.00190	- 00640
.500	.015	11.92400	.46600	.08240	.07930	-.00680	.00160	-.00350	- 00080
.501	1.029	11.92100	.46850	.08290	.07790	-.02440	.00330	-.00810	.00300
.500	2.029	11.91720	.47280	.08370	.07560	-.04160	.00490	-.01300	.00740
.500	3.017	11.91450	.47480	.08440	.07330	-.05630	.00600	-.01750	.01240
.501	4.030	11.91090	.47490	.08330	.07120	-.07360	.00800	-.02260	.01540
.500	6.007	11.90170	.47460	.08310	.06770	-.10630	.01170	-.03250	.02130
.499	8.048	11.89260	.47780	.08140	.06420	-.14360	.01570	-.04240	.02800
500	10.066	11.88660	.47990	.08070	.06280	-.17540	.01770	-.05160	.03980
.501	12.057	11.88350	.48670	.08190	.05950	-.20490	.01900	-.05990	.05290
GRADIENT	-.00106		.00074	.00027	-.00065	-.01670	.00155	-.00477	.00422

CAS ORB NOZ AT38.2A (PRES KI FO H15.1A

(AGM100) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XC
 LREF = 474 8100 IN. YMRP = .0000 IN YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1 000
 ELV-1B = 000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 413/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12 091	11.98650	.51440	.09710	.07020	.19310	-.01860	05310	-.05970
.600	-10 048	11 98740	.51140	.09500	.07020	.16690	- 01830	04550	- 03940
.600	-8.053	11.99400	.50290	.09400	.07270	.12970	-.01390	03660	-.03350
.600	-6.049	12 00570	.49720	.09270	.07700	.09530	-.01000	.02720	-.02610
.600	-4.024	12 01440	.49620	.09420	.08050	.06090	-.00540	.01600	- 02030
.601	-3.054	12 01290	.49470	.09410	.08210	.04470	-.00380	01140	- 01570
.600	-2.036	12 01740	.48870	.09320	.08450	.02670	-.00180	.00640	- 01110
.601	-1.030	12 01900	.48920	.09370	.08480	.00880	00020	00220	- 00790
.601	.007	12 01490	.48950	.09410	.08370	-.00770	.00180	- 00320	- 00200
.601	1.014	12.01510	.49130	.09450	.08250	-.02640	.00390	-.00810	.00230
.601	1.994	12 01180	.49500	.09560	.08010	-.04210	.00550	-.01240	.00660
.601	3 009	12 00390	.49990	.09680	.07690	-.05880	.00710	-.01750	01200
.601	4.016	11.99920	.50010	.09640	.07490	-.07720	.00930	-.02260	01590
.600	6.047	11 99060	.50050	.09680	.07150	-.11240	.01390	-.03200	.01950
.601	8 057	11 98590	.50320	.09710	.06830	-.15150	01870	-.04030	02350
.601	10.038	11.97540	.50480	.09700	.06550	-.18490	02060	-.04830	.03930
.600	12.080	11.96680	.50950	.09930	.06310	-.21660	.02240	-.05590	.05470
GRADIENT		-.00170	00079	.00038	- 00081	-.01712	.00181	- 00478	.00452

RUN NO. 412/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-12 089	12.06280	.53130	12320	06790	.20890	-.01790	.04340	- 07570
.700	-10.111	12 07190	.52930	.12240	07000	.18070	- 01900	.03630	- 04060
.700	-8 055	12 08710	.51950	.12180	07610	.13910	- 01460	.02820	-.03190
.701	-6 053	12.09750	.51490	12050	.07970	.10330	-.01100	.02110	-.02290
.699	-4.050	12.10350	.51470	12150	.08200	.06690	-.00630	.01300	- 01930
.700	-3 037	12 10580	.51200	.12170	08330	.04700	- 00410	.00910	-.01600
.700	-2.010	12.11120	.50510	12040	.08580	.02720	-.00180	.00530	-.01310
.701	-1 018	12 11200	.50400	.12060	.08590	.00850	.00030	00190	-.01040
.700	- 010	12 11030	.50470	12050	08540	-.00810	00200	- 00210	- 00490
.700	1 010	12.10680	.50680	12060	08440	-.02700	00410	-.00560	-.00190
.699	2.016	12.10610	.51240	.12130	.08260	-.04570	.00620	-.00930	.00120
.700	3 016	12.09640	.51560	.12180	07970	- 06400	.00830	- 01330	00480
.699	4 037	12.09450	.51510	12210	.07770	- 08290	01030	-.01720	.00870
.700	6.013	12.08030	.51820	.12130	.07360	-.12010	.01480	- 02430	01320
.699	8.006	12.06950	.52390	.12090	.06940	-.15910	.01900	-.03210	.02080
.700	10.091	12.05960	.53070	.12220	.06450	-.19600	.02070	-.03990	.04430
.700	12.081	12.05020	.53010	.12280	.06310	-.22600	.02030	-.04800	.07760
GRADIENT		- 00121	.00049	.00007	- 00059	-.01838	.00204	-.00371	.00349

ORIGINAL PAGE IS
OF POOR QUALITY

CAS ORB TC5 AT38.2A (PRES. K1 F0 H15.1A

(AGM101) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -1 000
 ELV-18 = .000 ELV-08 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000 TORB = 7.850

RUN NO: 419/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.047	7.85900	.34080	.02700	.04600	.17770	.00620	.04380	-.04630
.300	-10.078	7.86380	.33490	.02560	.04830	.15420	.00190	.03890	-.03500
.300	-8.043	7.86700	.33810	.02780	.04480	.12430	.00070	.03140	-.02690
.299	-6.044	7.86970	.33500	.02970	.04770	.09030	.00100	.02290	-.02030
.299	-4.052	7.87840	.33240	.03120	.05330	.05860	.00130	.01430	-.01410
.301	-3.046	7.87890	.33120	.03220	.05220	.03990	.00160	.00940	-.01080
.300	-2.039	7.87800	.32900	.03170	.05450	.02570	.00120	.00540	-.00700
.300	-1.081	7.87680	.33200	.03240	.05150	.01190	.00060	.00170	-.00320
.300	-.032	7.87550	.33430	.03360	.04920	-.00790	.00060	-.00260	.00080
.300	1.011	7.87490	.33430	.03380	.04920	-.02260	-.00050	-.00690	.00580
.299	2.005	7.87580	.33640	.03410	.04860	-.03830	-.00120	-.01120	.01020
.300	3.032	7.87320	.33790	.03380	.04650	-.05620	-.00100	-.01560	.01340
.300	4.031	7.87040	.34260	.03350	.04280	-.07090	-.00110	-.02000	.01690
.300	6.030	7.86400	.34280	.03100	.03810	-.10530	-.00020	-.02870	.02270
.300	8.037	7.86040	.33760	.02830	.03930	-.13660	-.00100	-.03670	.03040
.299	10.061	7.85410	.33240	.02730	.04110	-.16240	-.00470	-.04310	.04140
.301	12.041	7.84600	.33740	.02770	.03610	-.19180	-.00630	-.04920	.05010
GRADIENT		-.00091	.00129	.00033	-.00121	-.01590	-.00038	-.00418	.00395

RUN NO. 418/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.132	7.96100	.38080	.04460	.04410	.17910	.00630	.04490	-.11760
.500	-10.081	7.96560	.37260	.04110	.04690	.16180	-.00100	.04090	-.07990
.501	-8.065	7.97080	.36820	.04230	.04680	.12670	-.00090	.03350	-.06320
.500	-6.056	7.97980	.36410	.04360	.05170	.09180	-.00060	.02430	-.04590
.501	-4.054	7.98600	.36080	.04490	.05420	.05860	-.00030	.01510	-.02950
.501	-3.023	7.98610	.36010	.04550	.05390	.04070	.00040	.01010	-.02250
.500	-2.051	7.98760	.35730	.04620	.05480	.02450	.00000	.00570	-.01260
.500	-1.046	7.98390	.35960	.04580	.05200	.00890	-.00030	.00160	-.00320
.500	-.008	7.98030	.36090	.04670	.05100	-.00980	.00030	-.00300	.00400
.501	2.026	7.97370	.36710	.04750	.04800	-.04230	-.00040	-.01240	.02440
.500	3.036	7.97510	.36900	.04730	.04630	-.06060	.00030	-.01720	.03140
.501	4.089	7.96680	.37180	.04690	.04240	-.07680	.00030	-.02180	.04020
.500	6.084	7.96100	.37160	.04490	.03950	-.11050	.00060	-.03090	.05670
.500	8.089	7.95600	.37260	.04340	.03840	-.14340	-.00020	-.03960	.07670
.500	10.101	7.95250	.37390	.04450	.03850	-.16510	-.00570	-.04350	.10960
.499	12.121	7.93390	.38420	.04610	.02890	-.19260	-.00770	-.04950	.13060
GRADIENT		-.00237	.00158	.00031	-.00143	-.01664	.00003	-.00451	.00872

CA5 ORB TCS AT3B.2A (PRES, K1 F0 H15.1A

(AGM101) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -1.000
 ELV-1B = .000 ELV-0B = 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 417/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	-12 160	8.02520	.40540	.05380	.04570	.17620	.00690	.04560	-.16030
.600	-10 153	8.02820	.40410	.05100	.04550	.16120	-.00030	.04100	-.11090
.601	-8.144	8.03350	.39650	.05000	.04640	.13200	-.00240	.03440	-.08020
.601	-6 081	8.04530	.38950	.05020	.05200	.09570	-.00190	.02560	-.05760
.601	-4 068	8.04790	.38910	.05150	.05230	.06090	-.00120	.01590	-.03640
.601	-3.077	8.04900	.38640	.05150	.05280	.04220	-.00020	.01100	-.02850
.601	-2.027	8.04940	.38210	.05100	.05320	.02490	-.00020	.00600	-.01610
.599	-1.061	8.04500	.38250	.05120	.05080	.00930	-.00030	.00200	-.00440
.600	.001	8.04380	.38380	.05200	.05030	-.01170	.00050	-.00340	.00550
.599	1.023	8.03920	.38740	.05270	.04890	-.02780	.00040	-.00820	.01780
.600	2.079	8.04010	.39120	.05320	.04790	-.04410	.00040	-.01290	.02970
.600	3.077	8.03590	.39540	.05320	.04530	-.06240	.00130	-.01810	.03820
.600	4.104	8.02970	.39550	.05260	.04400	-.08030	.00170	-.02290	.04850
.600	6.078	8.02430	.39750	.05170	.04140	-.11300	.00170	-.03120	.07180
.599	8 126	8.01510	.40270	.05170	.03790	-.14600	.00060	-.03910	.10000
.600	10.161	8.00610	.40570	.05390	.03450	-.16450	-.00620	-.04380	.14910
.599	12 196	7.98320	.41770	.05620	.02370	-.19430	-.00810	-.05000	.17870
	GRADIENT	-.00222	.00124	.00025	-.00111	-.01715	.00029	-.00473	.01064

RUN NO. 416/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.700	-12 212	8.09540	.42740	.07430	.04570	.18370	.00540	.04140	-.19190
.700	-10 151	8.09120	.43450	.06980	.04360	.16360	-.00010	.03610	-.13690
.700	-8.124	8.10260	.43140	.06690	.04750	.13870	-.00440	.03080	-.08780
.700	-6 112	8.11070	.42680	.06440	.04990	.10280	-.00410	.02460	-.06110
.700	-4 064	8.11360	.42710	.06440	.04980	.06630	-.00260	.01600	-.03960
.700	-3 067	8.11640	.42180	.06360	.05130	.04510	-.00100	.01090	-.03250
.699	-2 018	8.11640	.41550	.06240	.05220	.02590	-.00010	.00600	-.02110
.700	-1 052	8.11110	.41560	.06250	.04980	.00780	.00040	.00160	-.00900
.700	.003	8.10980	.41720	.06350	.04930	-.01170	.00140	-.00300	.00090
.700	1 067	8.10670	.42110	.06420	.04770	-.02990	.00200	-.00810	.01350
.700	2 082	8.10670	.42560	.06500	.04680	-.04780	.00260	-.01280	.02520
.700	3.078	8.10260	.42980	.06550	.04480	-.06770	.00410	-.01780	.03250
.701	4.064	8.09950	.42980	.06560	.04480	-.08600	.00490	-.02240	.04320
.699	6 076	8.08990	.43080	.06600	.04120	-.11790	.00380	-.02910	.07650
.699	8.122	8.07220	.43560	.06890	.03560	-.15250	.00300	-.03480	.10950
.699	10.194	8.06170	.43350	.07370	.03390	-.17310	-.00330	-.03900	.16850
.699	12 230	8.03220	.43990	.07640	.02290	-.20000	-.00650	-.04520	.21260
	GRADIENT	-.00198	.00099	.00028	-.00086	-.01849	.00085	-.00468	.01047

ORIGINAL PAGE IS
OF POOR QUALITY

CAS ORB TC5 AT38.2A (PRES. KI FO H15.1A

(AGM102) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

ALPHA1 = 6.000 STAB = -1.000
 ELV-18 = .000 ELV-08 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 424/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.151	-12.025	11.70820	.45520	-.11500	.05720	.16550	-.00250	.04940	-.00990
.149	-10.031	11.70720	.45850	-.11790	.05250	.13860	-.00250	.04310	-.00810
.151	-8.072	11.70840	.46150	-.11150	.05250	.11010	-.00170	.03500	-.00680
.149	-6.016	11.71400	.45850	-.11310	.05260	.07930	.00050	.02500	-.00550
.149	-4.070	11.71630	.46460	-.11070	.05730	.05300	.00200	.01510	-.00420
.150	-3.004	11.71650	.46130	-.10710	.05740	.03840	.00230	.00990	-.00330
.149	-2.083	11.71670	.46150	-.10990	.05870	.02610	.00290	.00590	-.00270
.151	-1.037	11.71720	.46660	-.10370	.05690	.01150	.00210	.00160	-.00150
.150	.072	11.71530	.47140	-.10440	.05680	-.00190	-.00050	-.00400	.00060
.149	1.027	11.71390	.46530	-.10670	.05450	-.01790	.00010	-.00820	.00140
.150	2.018	11.71240	.46430	-.10510	.05610	-.03320	-.00040	-.01280	.00260
.150	3.035	11.71210	.46660	-.10470	.05160	-.04280	.00140	-.01680	.00260
.150	4.018	11.71130	.46870	-.10520	.05000	-.06150	.00310	-.02160	.00300
.149	6.011	11.70320	.46750	-.10910	.04140	-.08950	.00510	-.03140	.00410
.149	8.040	11.70010	.46300	-.11380	.04330	-.12140	.00570	-.04090	.00590
.151	9.994	11.70050	.45190	-.11270	.04780	-.14650	.00390	-.04790	.00840
.151	12.023	11.69900	.45650	-.11290	.04210	-.17180	.00180	-.05470	.01090
	GRADIENT	-.00074	.00063	.00059	-.00089	-.01399	-.00012	-.00451	.00099

RUN NO. 423/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.300	-12.093	11.74940	.46320	.02110	.05280	.16190	.00150	.05020	-.04370
.299	-10.054	11.75180	.45850	.01990	.05410	.14170	-.00250	.04410	-.03200
.299	-8.083	11.75230	.45950	.02200	.05280	.11200	-.00190	.03560	-.02580
.300	-6.071	11.76180	.45410	.02350	.05660	.08170	-.00110	.02590	-.01930
.300	-4.016	11.76480	.45680	.02600	.05050	.05230	-.00030	.01540	-.01250
.301	-3.038	11.76620	.45530	.02730	.05170	.03790	.00030	.01050	-.00980
.301	-2.032	11.76660	.45550	.02780	.05240	.02440	.00070	.00600	-.00580
.301	-1.025	11.76610	.45780	.02830	.05040	.01050	.00070	.00150	-.00320
.300	.079	11.76530	.45950	.02930	.05910	-.00730	.00090	-.00340	.00080
.301	1.010	11.76720	.45980	.02960	.05860	-.02060	.00060	-.00800	.00480
.300	2.031	11.76600	.46050	.02950	.05830	-.03510	.00070	-.01300	.00860
.300	3.016	11.76380	.46240	.02910	.05550	-.05010	.00130	-.01760	.01140
.300	4.028	11.76140	.46360	.02810	.05290	-.06470	.00230	-.02240	.01360
.300	5.035	11.75090	.46280	.02610	.04720	-.09270	.00230	-.03250	.02120
.300	8.061	11.74700	.46040	.02280	.04550	-.12420	.00360	-.04190	.02700
.301	10.091	11.74570	.45790	.02190	.04700	-.14700	.00070	-.04930	.03770
.301	11.563	11.74380	.46020	.02090	.04420	-.16610	.00030	-.05430	.04300
.299	12.056	11.74300	.46160	.02070	.04300	-.17270	.00030	-.05570	.04400
	GRADIENT	-.00035	.00100	.00031	-.00098	-.01461	.00022	-.00468	.00342

CA5 ORB TC5 AT38.2A (PRES. KI FO HIS.1A

(AOM102) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1.000
 ELV-1B = 000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 422/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
500	-12.100	11.86660	.50990	.06070	.04790	.16210	.00080	.05180	-.10780
500	-10.067	11.87540	.49830	.05710	.05320	.14680	-.00540	.04650	-.07320
500	-8 054	11.88430	.48960	.05780	.05740	.11280	-.00360	.03730	-.05960
499	-6 035	11.89930	.48120	.05750	.06490	.08380	-.00370	.02690	-.03940
500	-4 057	11.90140	.48300	.05980	.06590	.05480	-.00210	.01680	-.02650
.500	-3 041	11 90620	.48100	.06050	.06790	.03890	-.00110	.01140	-.01970
.500	-2.037	11.90640	.47980	.06080	.06800	.02310	-.00050	.00660	-.01220
.500	-1.026	11.90360	.48310	.06150	.06530	.00920	-.00020	.00190	-.00410
.500	.080	11.89990	.48330	.06220	.06440	-.01000	.00120	-.00400	.00230
.500	1.050	11 90000	.48470	.06270	.06300	-.02400	.00140	-.00870	.01080
.499	2.061	11.89600	.48750	.06290	.06230	-.03860	.00200	-.01370	.01830
501	3 014	11.89320	.49040	.06280	.05980	-.05600	.00330	-.01880	.02420
.499	4 037	11 88880	.49150	.06200	.05660	-.07100	.00410	-.02370	.03030
.499	6.083	11.87670	.49310	.06080	.05080	-.09850	.00410	-.03410	.04950
500	8.121	11.86730	.49700	.05920	.04680	-.13140	.00480	-.04370	.06740
.501	10 093	11.85350	.50180	.06040	.04380	-.15200	.00090	-.05020	.09620
.499	12.169	11.84640	.51410	.06210	.03510	-.17860	-.00060	-.05720	.11740
GRADIENT		-.00187	.00130	.00035	-.00123	-.01553	.00073	-.00500	.00715

RUN NO. 421/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
600	-12.175	11.94220	.53840	.07800	.04820	.16440	.00030	.05100	-.14240
600	-10.125	11 95620	.53050	.07420	.05380	.15060	-.00700	.04540	-.09040
600	-8.085	11 96700	.51920	.07240	.06000	.11780	-.00600	.03720	-.07030
.600	-6.062	11.98370	.51040	.07110	.06710	.08850	-.00590	.02810	-.04550
.599	-4.033	11.98320	.51250	.07300	.06700	.05750	-.00360	.01710	-.02960
599	-3 037	11.98930	.50910	.07310	.06940	.03900	-.00190	.01180	-.02300
.601	-2.026	11 98710	.50700	.07320	.06910	.02280	-.00080	.00660	-.01470
.599	-1.013	11.98400	.50850	.07350	.06650	.00760	-.00030	.00210	-.00490
.600	-.004	11.98120	.50900	.07420	.06620	-.01000	.00160	-.00340	.00040
599	1 036	11.97970	.51100	.07500	.06440	-.02600	.00230	-.00840	.01060
.600	2.013	11.97880	.51460	.07560	.06340	-.04160	.00320	-.01340	.01930
.600	3.029	11.97070	.51880	.07570	.05990	-.06050	.00520	-.01910	.02490
.600	4 060	11 96530	.51690	.07540	.05790	-.07760	.00650	-.02420	.03220
600	6 090	11 95770	.51960	.07550	.05450	-.10520	.00650	-.03320	.05640
600	8.138	11 94530	.52620	.07640	.04780	-.13830	.00740	-.04140	.07770
.600	10.171	11.92950	.53150	.07980	.04110	-.16040	.00290	-.04680	.11870
599	12 156	11 90880	.54020	.08240	.03260	-.18470	.00100	-.05260	.14680
GRADIENT		-.00245	.00119	.00039	-.00129	-.01650	.00119	-.00508	.00782

ORIGINAL PAGE IS
OF POOR QUALITY

CAS ORB TC5 AT38.2A (PRES. K1 F0 H15.1A

(AGM102) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -1 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 420/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12.179	12.01620	.55960	.10760	.04530	.17920	.00060	.04040	- 17500
.701	-10.176	12.02930	.55060	.10470	.05200	.16040	- 00550	.03420	- 11420
.700	-8 131	12.05210	.54100	.10230	.06150	.12960	-.00720	.02820	- 07450
.700	-6.051	12.06270	.53360	.10040	.06490	.09830	-.00770	.02180	-.04210
.700	-4.034	12.06040	.53590	.10120	.06410	.06270	-.00440	.01380	-.03040
.700	-3.040	12.06410	.53130	.10100	.06560	.04340	-.00230	.00980	- 02630
.700	-2.065	12.06240	.52580	.10030	.06600	.02530	-.00070	.00590	-.01950
.700	-1.052	12.05050	.52730	.10070	.06280	.00920	.00000	.00230	- 00920
.699	-.078	12.05240	.52750	.10130	.06280	-.00900	.00190	-.00190	-.00400
.699	1.031	12.05120	.53130	.10180	.06080	-.02880	.00330	- 00620	00540
.699	2 006	12.05050	.53490	.10190	.06070	-.04500	.00460	-.01000	01210
.699	3.062	12.04480	.53860	.10180	.05770	-.06620	.00710	-.01480	.01630
.700	4.039	12.04150	.53780	.10160	.05660	-.08340	.00830	- 01890	02470
.700	6.059	12.03610	.53910	.10190	.05440	-.11380	.00820	-.02520	.05350
.700	8.104	12.01440	.54910	.10330	.04700	-.14700	.00800	-.03180	06520
.700	10.171	11.98860	.55780	.10770	.03680	-.16740	.00270	-.03730	.14080
.700	12.206	11.96590	.56140	.10890	.02950	-.19750	.00080	- 04500	18360
	GRADIENT	-.00257	.00086	.00014	-.00109	-.01795	.00153	-.00403	00700

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CA5 ORB TC5 AT30.2A (PRES. K1 F0 H15.1A

(AGM103) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = 0300

ALPHA1 = 6 000 STAB = 1 000
 ELV-1B = 000 ELV-0B = .000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7 850

RUN NO 429/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.149	-12 012	11 67760	.44870	- .11920	.05690	.17950	- .00170	.04990	- .01070
.151	-10 011	11 67850	.45240	- .11450	.05380	.15350	- .00230	.04330	- .00900
.151	-8.010	11.67900	.45310	- .11210	.05200	.12530	- .00120	.03510	- .00760
.151	-6.016	11.68440	.45060	- .11050	.05440	.09290	.00080	.02550	- .00630
.150	-4 071	11.68780	.45660	- .10800	.05900	.06880	.00150	.01540	- .00470
.150	-3 011	11.68780	.45580	- .10640	.05920	.05200	.00160	.01000	- .00360
.150	-2 035	11.69020	.45480	- .10700	.06050	.04270	.00160	.00590	- .00300
.150	-1 030	11 68800	.45900	- .10560	.05900	.02710	.00100	.00160	- .00160
.150	- 012	11.68630	.46150	- .10500	.05790	.01320	- .00010	- .00320	- .00020
.150	1.006	11.68640	.45600	- .10640	.05610	- .00250	- .00010	- .00790	.00080
.150	2.024	11 68590	.45600	- .10500	.05730	- .01640	- .00090	- .01240	.00210
.151	2 993	11.68470	.45890	- .10440	.05460	- .03030	.00030	- .01680	.00260
.149	4 024	11 68520	.46020	- .10790	.05140	- .04850	.00250	- .02160	.00280
.150	6.018	11 67810	.45960	- .10860	.04410	- .07960	.00420	- .03170	.00420
.151	8 047	11.67340	.45550	- .10910	.04510	- .11080	.00460	- .04090	.00610
.149	10 049	11 67270	.44410	- .11620	.05110	- .13400	.00300	- .04910	.00820
.149	12.009	11.67170	.45450	- .11630	.04380	- .16080	.00170	- .05490	.01030
GRADIENT		.00049	.00037	.00013	- .00088	- .01427	- .00011	- .00453	.00101

RUN NO 428/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.301	-12.059	11.73610	.46450	.02180	.05150	.16520	.00140	.05080	- .04440
.300	-10 083	11 73960	.45820	.02050	.05300	.14430	- .00220	.04450	- .03310
.301	-8 043	11.74220	.45880	.02300	.05200	.11370	- .00170	.03660	- .02650
.300	-6.050	11 75110	.45420	.02430	.05700	.08410	- .00120	.02590	- .01950
.300	-4.030	11.75590	.45500	.02620	.06100	.05550	- .00040	.01590	- .01300
.301	-3.052	11.75500	.45450	.02760	.06250	.04070	.00020	.01070	- .01010
.300	-2.032	11 75760	.45380	.02790	.06310	.02660	.00040	.00610	- .00670
.300	- 997	11.75620	.45670	.02850	.06110	.01260	.00030	.00160	- .00290
.299	- .012	11.75630	.45830	.02950	.05910	- .00430	.00110	- .00290	.00000
.300	1.016	11.75450	.45930	.02990	.05870	- .01840	.00070	- .00790	.00440
.300	2.037	11 75430	.45970	.03000	.05880	- .03300	.00060	- .01250	.00800
.300	3.043	11.75330	.46180	.02960	.05550	- .04850	.00120	- .01760	.01130
.299	4.007	11.74860	.46270	.02820	.05330	- .06320	.00200	- .02240	.01360
.299	6.049	11.73880	.46250	.02630	.04760	- .09170	.00200	- .03300	.02160
.301	8 040	11 73500	.46000	.02340	.04630	- .12190	.00330	- .04190	.02730
.300	10.064	11 73320	.45710	.02200	.04740	- .14600	.00030	- .04940	.03810
.299	12 042	11.73160	.46090	.02110	.04270	- .17270	.00000	- .05600	.04470
GRADIENT		.00070	.00111	.00033	- .00104	- .01473	.00023	- .00470	.00344

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS ORB TCS AT38.2A (PRES. K1 F0 H15.1A

(AGM103) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 376.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

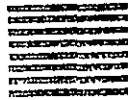
ALPHA1 = 8.000 STAB = 1.000
 ELV-18 = .000 ELV-09 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 TORB = 7.850

RUN NO. 427/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.501	-12.113	11.85700	.51050	.06130	.04760	.16370	.00040	.05190	-.10720
.500	-10.108	11.86660	.49770	.05740	.05280	.14780	-.00550	.04670	-.07330
.500	-8.075	11.87390	.48890	.05810	.05700	.11350	-.00370	.03740	-.05950
.500	-6.091	11.88920	.48130	.05810	.06460	.08590	-.00360	.02750	-.04040
.500	-4.036	11.89150	.48290	.06040	.06570	.05530	-.00230	.01690	-.02610
.501	-3.041	11.89660	.48130	.06120	.06790	.03920	-.00120	.01140	-.01970
.501	-2.037	11.89640	.47990	.06140	.06760	.02330	-.00060	.00660	-.01180
.500	-1.039	11.89310	.48280	.06210	.06500	.00860	-.00030	.00180	-.00350
.500	-.010	11.89220	.48280	.06270	.06400	-.00790	.00100	-.00350	.00180
.500	1.022	11.88940	.48480	.06330	.06280	-.02280	.00140	-.00650	.01030
.500	2.026	11.88610	.48770	.06350	.06220	-.03770	.00190	-.01360	.01820
.500	3.042	11.88530	.49030	.06330	.05980	-.05490	.00310	-.01870	.02430
.501	4.065	11.88030	.49080	.06250	.05670	-.07100	.00420	-.02390	.03050
.500	6.056	11.86770	.49280	.06110	.05080	-.09790	.00400	-.03390	.04970
.500	8.066	11.85880	.49650	.05940	.04670	-.13040	.00470	-.04360	.06740
.499	10.115	11.85060	.50170	.06060	.04360	-.15180	.00050	-.05030	.09730
.499	12.099	11.83850	.51210	.06180	.03580	-.17820	-.00050	-.05690	.11680
GRADIENT		-.00170	.00125	.00033	-.00121	-.01546	.00075	-.00500	.00710

RUN NO. 426/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.600	-12.127	11.93430	.53840	.07820	.04770	.16460	.00030	.05090	-.14210
.600	-10.105	11.94680	.53050	.07460	.05370	.15140	-.00700	.04540	-.09080
.600	-8.085	11.95750	.51840	.07260	.05950	.11750	-.00590	.03710	-.07020
.600	-6.111	11.97480	.50990	.07130	.06670	.08990	-.00590	.02850	-.04650
.600	-4.054	11.97480	.51170	.07310	.06690	.05780	-.00350	.01710	-.03000
.601	-3.044	11.98110	.50910	.07350	.06890	.03990	-.00200	.01190	-.02320
.601	-2.068	11.98060	.50630	.07340	.06900	.02340	-.00080	.00680	-.01510
.601	-1.034	11.97600	.50830	.07390	.06610	.00840	-.00030	.00230	-.00550
.600	.009	11.97490	.50820	.07440	.06600	-.00930	.00160	-.00330	.00010
.600	1.022	11.97140	.51050	.07520	.06410	-.02530	.00230	-.00830	.00990
.601	2.033	11.97020	.51410	.07590	.06310	-.04130	.00330	-.01330	.01870
.600	3.084	11.96140	.51830	.07590	.05950	-.05960	.00520	-.01900	.02430
.600	4.044	11.95850	.51820	.07560	.05730	-.07610	.00660	-.02380	.03040
.601	5.064	11.95460	.51670	.07520	.05520	-.09210	.00750	-.02880	.03970
.600	6.082	11.94740	.51850	.07550	.05380	-.10480	.00660	-.03320	.05580
.600	8.117	11.93290	.52600	.07610	.04680	-.13670	.00730	-.04170	.07770
.600	10.164	11.91570	.53210	.07890	.04020	-.15840	.00280	-.04780	.11900
.600	12.143	11.90060	.54160	.08200	.03150	-.18380	.00110	-.05370	.14760
GRADIENT		-.00246	.00117	.00039	-.00132	-.01634	.00119	-.00503	.00765



DATE 20 JUN 75

TABLATED SOURCE DATA - CAS

PAGE 301

CAS ORB TCS AT38 2A (PRES. KI FO H15.1A

(AOM103) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 ELV-1B = .000 ELV-0B = 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 425/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12 181	11.99890	.55460	.10690	.04460	.18040	.00070	04060	-.17580
700	-10.156	12 02010	.54950	.10410	.05200	.16120	-.00550	.03430	- 11470
.701	-8.112	12.04510	.53890	.10220	.06100	.13050	- 00700	.02820	-.07650
701	-6.068	12 05280	.53310	.10040	.06400	.10000	- 00760	.02220	-.04480
700	-4.090	12.05480	.53530	.10130	.06400	.06500	-.00450	01440	- 03130
.699	-3 046	12 05630	.53140	.10070	.06560	.04330	- 00230	00970	- 02570
.700	-2 056	12.05250	.52720	.10010	.06570	.02590	-.00100	00540	-.01780
.700	-1.057	12.04680	.52880	.10050	.06250	.01000	-.00020	00150	-.00700
.700	-.007	12.04700	.52960	.10140	.06230	-.00930	.00180	- 00310	-.00190
.699	1 032	12 04340	.53380	.10150	.06040	- 02770	.00320	- 00720	00650
700	2 036	12 04210	.53670	.10170	.06000	-.04570	00470	-.01140	.01390
.699	3 029	12 03540	.54090	.10190	.05880	-.06440	.00690	- 01560	01750
.699	4.089	12.03270	.54010	.10160	.05540	-.08350	.00840	-.02020	.02520
.699	6 088	12 02390	.54030	.10160	.05390	-.11400	.00810	-.02560	.05470
701	8.131	12 00480	.54910	.10330	.04650	-.14680	.00820	- 03210	.08450
700	10 209	11 97770	.55780	.10780	.03580	- 16770	.00250	- 03810	14340
700	12.163	11 95940	.56050	.10870	.02940	-.19690	.00100	-.04470	.18180
GRADIENT		-.00285	.00117	.00015	-.00121	-.01794	.00154	-.00419	00713

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB TC5 AT38 3 (PRES. KI FO H15.1A

(AGM104) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

ALPHA1 = 2 000 STAB = -2 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 435/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.055	4.02450	.71410	.05690	.06550	.18940	.01020	.03470	-.04880
.300	-10.044	4.02400	.69740	.05660	.06550	.16660	.00510	.03120	-.03700
.300	-8.023	4.02940	.70690	.05920	.07010	.13550	.00300	.02590	-.02820
.300	-6.029	4.03790	.72850	.06180	.07550	.10510	.00120	.01960	-.02000
.299	-4.015	4.04850	.72270	.06390	.06980	.06960	.00030	.01200	-.01240
.299	-3.037	4.04410	.70240	.06430	.06630	.05050	.00030	.00770	-.00900
.300	-2.023	4.04440	.71160	.06660	.06510	.03260	.00020	.00390	-.00570
.299	-1.010	4.04590	.71970	.06820	.06640	.01630	-.00040	.00100	-.00190
.299	.003	4.04610	.72710	.06990	.06620	-.00260	-.00030	-.00210	.00120
.301	1.045	4.03990	.69180	.06590	.06110	-.01980	-.00100	-.00500	.00510
.301	1.996	4.04160	.70980	.06590	.06140	-.03590	-.00150	-.00870	.00890
.299	3.024	4.03410	.68590	.06340	.07650	-.05420	-.00170	-.01290	.01240
.300	4.037	4.03460	.70710	.06320	.07450	-.07200	-.00210	-.01690	.01620
.299	6.016	4.02500	.69350	.05980	.06640	-.10610	-.00270	-.02410	.02300
.300	8.057	4.02780	.72120	.05910	.06480	-.13670	-.00430	-.03030	.03100
.300	10.068	4.01640	.71180	.05750	.05660	-.16630	-.00850	-.03500	.04290
.300	12.076	4.00930	.73790	.05850	.04750	-.19570	-.01100	-.03910	.05180
GRADIENT	-00161	-.00238	-.00015	-.00171	-.01742	-.00032	-.00345	.00355	

RUN NO. 434/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.121	4.06320	.37420	.04080	.03950	.18530	.01220	.03370	-.12850
.500	-10.092	4.06700	.36950	.03980	.04060	.16560	.00510	.03150	-.09220
.500	-8.105	4.07280	.37410	.04030	.04220	.13790	.00240	.02840	-.06930
.500	-6.063	4.07780	.36220	.04160	.04650	.10560	.00030	.02020	-.04690
.500	-4.037	4.09370	.35830	.04370	.05660	.06930	-.00050	.01250	-.02760
.500	-3.074	4.09380	.36280	.04580	.05570	.05010	-.00050	.00810	-.01910
.500	-2.035	4.09020	.35240	.04590	.05540	.02960	-.00040	.00380	-.01060
.500	-1.030	4.09510	.36070	.04810	.05740	.01310	-.00100	.00100	-.00130
.499	-.006	4.09000	.35210	.04780	.05540	-.00790	-.00050	-.00220	.00580
.501	1.028	4.08760	.35790	.04760	.05270	-.02510	-.00110	-.00520	.01560
.501	2.025	4.08950	.35410	.04650	.05170	-.04410	-.00110	-.00930	.02390
.501	3.044	4.07280	.33950	.04350	.04730	-.06470	-.00100	-.01390	.03270
.500	4.028	4.06980	.34290	.04260	.04500	-.08130	-.00150	-.01760	.04170
.501	6.080	4.05220	.34710	.04120	.03430	-.11780	-.00190	-.02540	.05930
.501	8.081	4.04880	.35070	.03980	.02290	-.14840	-.00430	-.03120	.08250
.501	10.116	4.04190	.35710	.04110	.02980	-.16870	-.01120	-.03420	.11880
.501	12.157	4.02730	.37190	.04220	.01880	-.20000	-.01310	-.03810	.13950
GRADIENT	-.00277	-.00187	-.00021	-.00138	-.01863	-.00012	-.00360	.00853	

CAS ORB TCS AT3B 3 (PRES. K1 FO H15.1A

(AGM104) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 8800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA = 2.000 STAB = -2.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 433/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	OIORB
.601	-12.179	4.07780	.32400	.04180	.03280	.18880	.01200	.03230	-.17300
.600	-10.135	4.07630	.30980	.03980	.03360	.16590	.00620	.02970	- .12640
.600	-8.106	4.08330	.31440	.03990	.03510	.13990	.00180	.02610	-.09070
.599	-6.053	4.08950	.29580	.04000	.04040	.10870	-.00090	.02010	-.05770
.600	-4.036	4.09710	.28350	.04140	.04540	.07090	-.00150	.01260	-.03270
.600	-3.016	4.09770	.28700	.04330	.04620	.04960	-.00100	.00810	- .02250
.600	-1.988	4.09590	.27730	.04420	.04610	.02940	- .00080	.00350	-.01200
.601	-1.050	4.10020	.27510	.04420	.04810	.01300	-.00120	.00080	-.00030
.600	-.005	4.09730	.27670	.04470	.04680	-.00860	-.00010	-.00230	.00650
.600	1.025	4.09410	.28400	.04470	.04410	- .02830	-.00070	- .00540	.02000
.599	2.072	4.09020	.28690	.04330	.04320	-.04830	-.00020	- .00960	.02910
.600	3.071	4.08940	.28980	.04210	.04130	-.06830	.00010	-.01420	.03930
.599	4.100	4.07890	.28770	.04130	.03720	-.08740	.00000	- .01660	.05140
.600	6.126	4.06310	.28820	.04090	.02870	-.12210	-.00120	-.02550	.07770
.601	8.159	4.05850	.29310	.03940	.02810	- .15090	-.00440	-.03070	.11210
.600	10.217	4.04840	.30090	.04180	.02300	-.16870	-.01240	-.03280	.16460
.600	12.233	4.02470	.31360	.04270	.01060	-.20360	- .01320	-.03690	.18840
GRADIENT	-.00190	.00088	-.00009	-.00094	-.00094	- .01940	.00018	- .00367	.01023

RUN NO. 432/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	OIORB
.700	-12.276	4.07800	.29580	.04910	.02500	.18840	.01310	.03040	-.22220
.700	-10.183	4.08470	.30380	.04650	.02570	.16870	.00630	.02830	-.16270
.700	-8.180	4.09940	.30590	.04540	.03020	.14150	.00220	.02510	-.11670
.700	-6.089	4.11620	.30100	.04520	.03750	.11240	- .00220	.02010	-.06600
.700	-4.068	4.03120	.14130	.03650	.03070	.07430	-.00240	.01270	- .03710
.700	-3.086	4.03090	.13830	.03720	.03070	.05270	- .00190	.00810	- .02410
.700	-2.032	4.02550	.14050	.03980	.02850	.02970	-.00090	.00350	-.01450
.700	-.986	4.03480	.13320	.03860	.03280	.01120	-.00130	.00040	.00130
.700	.022	4.02600	.13460	.03970	.02960	-.01350	.00050	- .00230	.00650
.699	.986	4.02410	.13950	.04000	.02830	- .02900	- .00030	- .00500	.02250
.701	2.034	4.02600	.14040	.03810	.02860	-.05030	.00050	- .00980	.03300
.701	3.077	4.02380	.14310	.03730	.02750	-.07240	.00120	-.01460	.04510
.700	4.061	4.01180	.14650	.03730	.02360	-.09090	.00080	-.01870	.06090
.700	6.135	3.99460	.15620	.03820	.01640	- .12480	-.00150	- .02470	.10100
.700	8.227	3.98670	.16000	.03840	.01260	-.15660	-.00480	- .02960	.14530
.701	10.250	3.97040	.16350	.04160	.00640	-.17320	-.01280	-.03120	.21080
.701	12.291	3.94150	.17430	.04290	- .00490	- .20650	-.01450	-.03600	.24590
GRADIENT	-.00177	.00067	.00002	-.00059	-.00059	- .02023	.00042	- .00369	.01171

CA5 ORB TC5 AT3B.3 (PRES. KI FO H15.1A

(AGM105) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 10RB = 4.000

RUN NO. 440/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.150	-12 016	7 82360	.19820	.04550	.02820	.18060	00180	03880	- 01020
.150	-10.009	7.82740	.19130	.04640	.02970	.15460	00060	.03340	- 00840
.150	-8.008	7 82870	.19280	04840	.03740	.13130	00120	.02730	- 00740
150	-6 042	7 83000	.19360	.05100	.03820	.10130	00140	.01980	- 00580
150	-4 000	7 83100	.19270	.05270	.04850	.07000	.00190	01200	- .00430
.150	-3.004	7.83070	.19170	05440	.04700	.05580	.00210	00790	- .00360
150	-2 020	7 82750	.18950	.05590	.04770	.04330	00110	.00400	- 00240
.150	-1 030	7.82790	.18760	.05680	05000	.02890	.00120	00090	- .00170
.150	-.012	7.82690	.19000	.05760	04950	.01160	.00040	-.00230	- .00050
.150	1 006	7 82590	19300	.05700	.04640	-.00270	- 00080	- 00570	00080
.150	2.079	7.82590	.19540	05660	.04320	-.01840	- .00140	- 00990	.00190
.150	3.007	7.82540	.19920	.05610	.04190	-.03120	- .00190	- .01360	.00280
.150	4 004	7 82400	.19730	.05440	.03700	-.04560	- 00180	- .01770	.00360
.150	6.011	7 82190	.19950	.05250	.03280	-.07480	- 00020	-.02570	.00450
150	8 047	7 81950	.19190	.04940	.03030	- 10500	- .00180	- 03300	.00690
.151	10.021	7.81470	.19530	.04790	.02080	-.13210	- .00390	- .03950	.00930
.149	12 029	7.81340	.20130	.04900	.01410	-.15510	- .00620	- .04410	.01120
	GRADIENT	-.00081	.00100	.00022	-.00123	-.01457	- 00056	- .00361	.00103

RUN NO. 439/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.300	-12.054	7.83490	.21090	.03410	.02910	.16870	.00450	.03890	- .04150
.301	-10 011	7 83740	.20830	.03400	.03080	.15000	.00060	.03430	- .03150
.299	-8 033	7 84150	.20950	.03590	.03360	.11940	.00060	.02820	- .02530
.299	-6.062	7.84510	.21280	.03860	.03400	.09150	.00030	.02090	- 01890
.299	-4 043	7 84830	.20750	.04050	.04260	.06040	.00050	.01260	- .01270
.299	-3.023	7.84800	.20640	.04220	04350	04350	00060	.00800	- .00920
.299	-1.982	7.84800	.20470	.04340	.04470	.02850	.00030	.00390	- .00570
.300	-.989	7.84900	.20180	.04430	.04650	.01400	.00000	.00080	- .00240
.301	.010	7 84780	.20310	.04460	.04580	-.00310	.00000	- 00250	00110
.301	1 024	7.84660	.20670	04370	.04320	-.01860	- 00050	- 00570	00490
.299	2 017	7.84490	.20820	.04310	.04130	-.03300	- 00100	- .00960	.00870
.299	3.051	7.84320	.20990	.04230	.03860	-.04920	- .00100	- .01410	.01210
.299	4 016	7.84040	.21120	04130	.03390	-.06380	- 00130	- .01810	01580
.300	6 040	7 83190	.21150	.03840	02710	-.09660	00020	- .02630	.02020
.299	8.018	7.82940	.20670	.03580	.02540	-.12520	- .00020	- .03360	.02660
.301	10.104	7.82580	.21000	.03570	.01820	-.14910	- .00350	- .03900	.03700
.300	12 068	7.81690	.22070	.03600	00460	-.17550	- .00480	- .04440	04420
	GRADIENT	-.00090	.00061	.00004	-.00098	-.01539	- .00025	- .00368	.00354

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CAS ORB TCS AT38.3 (PRES KI FO HIS IA)

(AGM105) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109 0000 IN. XO
LREF = 474.8100 IN. YMRP = .0000 IN. YO
BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
ELV-1B = .000 ELV-0B = 3.000
S1-2 = .000 S3-4 = .000
S5-6 = .000 1ORB = 4.000

RUN NO. 438/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
500	-12.128	7.89120	.23070	.03590	.02990	.16640	.00610	.03830	- 10890
.501	-10.067	7.89810	.22690	.03390	.03380	.15130	-.00070	.03490	-.07420
.499	-8.060	7.89780	.22560	.03510	.03310	.12150	-.00080	.02900	-.05900
.499	-6.045	7.90440	.22400	.03720	.03550	.09140	-.00090	.02150	-.04310
501	-4.057	7.91510	.21930	.03870	.04290	.06100	-.00110	.01300	-.02620
500	-3.059	7.91470	.21990	.04040	.04320	.04430	-.00080	.00820	-.01810
.499	-2.034	7.91290	.21740	.04150	.04450	.02720	-.00070	.00390	-.00980
500	-1.029	7.91490	.21420	.04180	.04630	.01160	-.00090	.00070	-.00100
501	.028	7.91440	.21580	.04220	.04550	-.00780	-.00010	-.00270	.00500
501	1.033	7.91170	.21980	.04180	.04330	-.02380	-.00050	-.00590	.01440
501	2.037	7.90920	.22210	.04110	.04130	-.03940	-.00020	-.01010	.02150
500	3.040	7.90580	.22410	.04010	.03880	-.05660	.00020	-.01460	.02880
.500	4.059	7.89730	.22640	.03960	.03460	-.07210	.00000	-.01910	.03830
500	6.050	7.88490	.23000	.03840	.02670	-.10410	.00090	-.02750	.05130
500	8.103	7.88170	.22430	.03580	.02630	-.13300	-.00020	-.03490	.07060
500	10.104	7.87790	.22500	.03580	.02300	-.15160	-.00520	-.03930	.10020
500	12.121	7.86050	.24040	.03930	.01010	-.17770	-.00650	-.04440	.11860
	GRADIENT	-.00178	.00092	.00003	-.00091	-.01646	.00014	-.00379	.00782

RUN NO. 437/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
601	-12.211	7.92130	.25140	.04220	.02950	.16550	.00720	.03760	- 15120
601	-10.110	7.92840	.24590	.03940	.03330	.15070	.00030	.03400	- 10400
600	-8.097	7.92700	.24380	.03960	.03150	.12420	-.00170	.02910	-.07600
600	-6.069	7.93590	.23940	.04040	.03580	.09370	-.00190	.02170	-.05380
.600	-4.065	7.94720	.23430	.04140	.04110	.06320	-.00200	.01320	-.03120
.600	-3.048	7.94180	.23420	.04270	.04100	.04510	-.00160	.00830	-.02070
601	-2.050	7.94500	.23200	.04390	.04210	.02740	-.00100	.00390	-.01160
600	-1.022	7.94840	.22710	.04340	.04460	.01180	-.00100	.00060	-.00080
600	.014	7.94730	.22780	.04390	.04410	-.00890	.00030	-.00260	.00490
599	1.029	7.94460	.23350	.04430	.04110	-.02520	.00000	-.00580	.01690
600	2.055	7.93990	.23660	.04330	.03910	-.04420	.00090	-.01060	.02580
.599	3.045	7.93380	.23890	.04260	.03700	-.06050	.00150	-.01500	.03410
599	4.045	7.92570	.24140	.04250	.03280	-.07580	.00150	-.01970	.04530
601	6.087	7.91490	.24580	.04220	.02590	-.10860	.00180	-.02810	.06690
.601	8.078	7.91300	.24050	.04000	.02750	-.13450	.00010	-.03460	.09380
.599	10.134	7.90830	.24140	.04220	.02480	-.15090	-.00610	-.03830	.13780
601	12.163	7.88170	.26000	.04510	.00990	-.17890	-.00700	-.04370	.16120
	GRADIENT	-.00203	.00095	.00006	-.00090	-.01728	.00046	-.00388	.00924

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OF POOR QUALITY

CAS ORB TC5 AT38.3 (PRES. KI FO H15.1A

(AOM105) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 436/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.701	-12.201	7.96310	.27320	.05500	.03210	.16950	.00720	.03560	-.18970
.700	-10.147	7.96170	.27260	.05090	.03150	.15220	.00110	.03240	-.13450
.699	-8.107	7.96000	.26890	.04880	.03100	.12730	-.00220	.02820	-.09290
.700	-6.049	7.96860	.26380	.04800	.03520	.09710	-.00310	.02170	-.06120
.699	-4.064	7.97690	.25670	.04710	.03940	.06620	-.00300	.01320	-.03410
.700	-3.035	7.97550	.25710	.04820	.03880	.04700	-.00240	.00810	-.02150
.700	-2.018	7.97400	.26070	.05090	.03710	.02710	-.00090	.00340	-.01410
.700	-1.058	8.09810	.42580	.07150	.05620	.01280	-.00100	.00040	-.00210
.700	.011	8.06980	.38750	.06680	.05190	-.00950	.00100	-.00260	.00180
.699	1.036	8.06100	.38450	.06630	.04850	-.02590	.00080	-.00580	.01660
.700	2.031	8.08910	.43270	.07130	.05180	-.04450	.00220	-.01050	.02340
.699	3.024	8.06900	.40660	.06710	.04870	-.06270	.00310	-.01520	.03360
.700	4.060	8.07800	.43460	.07100	.04740	-.07910	.00350	-.02030	.04610
.700	6.101	8.05210	.41720	.06930	.04040	-.10740	.00190	-.02750	.08210
.699	8.136	8.01030	.36060	.06230	.03450	-.13640	.00020	-.03370	.11740
.700	10.168	8.00190	.36200	.06620	.03200	-.15370	-.00590	-.03650	.17170
.700	12.238	7.98810	.39880	.07240	.02080	-.18060	-.00710	-.04200	.20200
GRADIENT		.01438	.02397	.00308	.00136	-.01795	.00083	-.00391	.00952

CA5 ORB TC5 AT3B.3 (PRES. KI FO H15.1A

(AGM106) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 444/ 0 RN/L = 1.90 GRADIENT INTERVAL = ~5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.050	9.79610	.26670	.04400	.03580	.15910	.00100	.04150	-.03720
.299	-10.001	9.79520	.26750	.04520	.03580	.14000	-.00170	.03670	-.02870
.299	-8.023	9.79830	.26750	.04730	.03780	.11140	-.00160	.02990	-.02260
.300	-6.026	9.80060	.26950	.05010	.04050	.08260	-.00060	.02160	-.01750
.299	-4.041	9.80570	.26570	.05150	.04830	.05640	-.00080	.01290	-.01090
.299	-3.001	9.80310	.26550	.05300	.04920	.04090	-.00040	.00810	-.00770
.299	-2.008	9.80250	.26390	.05430	.05040	.02650	-.00040	.00390	-.00450
.299	-.982	9.79980	.26230	.05550	.05150	.01280	-.00030	.00080	-.00170
.301	-.004	9.80260	.26330	.05570	.05080	-.00320	.00010	-.00240	.00110
.299	1.024	9.79870	.26650	.05520	.04850	-.01720	-.00020	-.00580	.00460
.299	2.037	9.80030	.26790	.05450	.04690	-.03140	-.00030	-.01000	.00800
.300	3.036	9.80080	.26900	.05360	.04420	-.04530	-.00010	-.01450	.01100
.300	4.021	9.79640	.26980	.05260	.04080	-.05930	.00000	-.01880	.01420
.299	6.033	9.79110	.26910	.05030	.03410	-.06810	.00070	-.02750	.01990
.300	8.037	9.78830	.26360	.04700	.03200	-.11610	.00170	-.03550	.02480
.299	10.045	9.78370	.26730	.04640	.02590	-.13790	-.00090	-.04160	.03370
.301	12.036	9.77960	.27970	.04790	.01120	-.16650	-.00090	-.04720	.04000
GRADIENT	-.00082	.00085	.00011	-.00091	-.01434	.00007	-.00379	.00311	

RUN NO 443/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.097	9.86800	.28990	.04510	.03800	.15660	.00270	.04150	-.09920
.499	-10.109	9.86930	.28790	.04430	.03870	.14170	-.00310	.03790	-.06790
.500	-8.089	9.86800	.28500	.04560	.03880	.11320	-.00260	.03110	-.05430
.501	-6.057	9.87570	.28300	.04760	.04170	.08300	-.00140	.02280	-.04200
.500	-4.048	9.88250	.28100	.04900	.04810	.05670	-.00170	.01350	-.02410
.500	-3.064	9.88530	.28140	.05040	.04880	.04180	-.00140	.00850	-.01630
.501	-2.033	9.88240	.27930	.05170	.05030	.02560	-.00090	.00400	-.00890
.500	-.995	9.88360	.27550	.05180	.05230	.01030	-.00080	.00060	-.00100
.501	.006	9.88480	.27680	.05240	.05140	-.00690	.00010	-.00270	.00410
.500	1.010	9.89100	.28180	.05230	.04830	-.02180	.00010	-.00600	.01210
.501	2.033	9.87870	.28430	.05170	.04620	-.03740	.00080	-.01050	.01640
.501	3.023	9.87260	.28600	.05090	.04360	-.05300	.00130	-.01520	.02570
.500	4.067	9.87020	.28580	.05000	.04100	-.06860	.00190	-.02010	.03270
.501	6.047	9.85520	.28830	.04920	.03300	-.09540	.00210	-.02920	.04830
.501	8.089	9.85230	.28300	.04620	.03220	-.12480	.00270	-.03750	.06310
.499	10.102	9.84610	.28400	.04660	.03010	-.14160	-.00220	-.04240	.09190
.501	12.117	9.83280	.29900	.04900	.01780	-.16740	-.00280	-.04780	.10830
GRADIENT	-.00160	.00081	.00010	-.00092	-.01551	.00044	-.00396	.00692	

CAS ORB TC5 AT38.3 (PRES. KI FO H15.1A

(AGM106) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375 0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 8.000 STAB = -2 000
 ELV-18 = .000 ELV-08 = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 10RB = 4 000

RUN NO. 442/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.600	-12.131	9.90660	.31140	.05280	.03850	.15690	.00290	.04070	-.13330
.601	-10.086	9.90820	.30690	.05010	.03870	.14130	-.00240	.03690	-.09390
.600	-8.070	9.90970	.30230	.05040	.03860	.11510	-.00350	.03140	-.06950
.600	-6.067	9.91670	.29720	.05080	.04310	.08590	-.00260	.02320	-.05170
.600	-4.030	9.92770	.29390	.05140	.04770	.05910	-.00280	.01370	-.02790
.599	-3.052	9.92710	.29400	.05260	.04770	.04310	-.00220	.00860	-.01810
.601	-2.042	9.92670	.29220	.05400	.04890	.02640	-.00130	.00400	-.01020
.600	-1.008	9.93150	.28630	.05320	.05230	.01030	-.00090	.00030	-.00050
.601	.006	9.93210	.28810	.05390	.05110	-.00810	.00050	-.00290	.00420
.600	1.040	9.92680	.29450	.05430	.04780	-.02350	.00060	-.00640	.01460
.600	2.008	9.92560	.29700	.05380	.04590	-.04020	.00180	-.01090	.02090
.600	3.047	9.91970	.29900	.05310	.04400	-.05720	.00270	-.01580	.02950
.599	4.038	9.91000	.29990	.05260	.04070	-.07270	.00350	-.02070	.03790
.600	6.081	9.89980	.30310	.05290	.03410	-.09800	.00300	-.03000	.06220
.600	8.072	9.89620	.29970	.05030	.03470	-.12620	.00330	-.03770	.08200
.601	10.163	9.89220	.30170	.05280	.03280	-.14140	-.00270	-.04190	.12590
.601	12.140	9.86860	.32030	.05800	.01850	-.16720	-.00310	-.04710	.14570
	GRADIENT	-.00164	.00093	.00012	-.00082	-.01639	.00078	-.00407	.00796

RUN NO. 441/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12.182	9.94860	.33360	.06870	.03670	.16710	.00210	.03750	-.16460
.700	-10.160	9.94850	.33140	.06490	.03800	.14490	-.00170	.03360	-.12030
.700	-8.095	9.95390	.32250	.06190	.04040	.11920	-.00450	.02960	-.08120
.699	-6.086	9.96680	.31790	.06010	.04510	.09400	-.00560	.02300	-.04980
.700	-4.058	9.97240	.31430	.05910	.04760	.06360	-.00430	.01350	-.02810
.700	-3.059	9.96920	.31520	.06000	.04620	.04550	-.00310	.00860	-.01820
.700	-2.023	9.96730	.31670	.06280	.04430	.02610	-.00130	.00350	-.01220
.700	-1.023	9.97820	.30420	.05960	.05050	.01090	-.00080	.00020	-.00180
.700	-.018	9.97500	.30600	.06040	.04910	-.00900	.00130	-.00280	.00060
.701	1.052	9.96920	.31440	.06160	.04560	-.02340	.00170	-.00650	.01270
.700	2.005	9.96950	.31480	.06050	.04570	-.04340	.00350	-.01100	.01770
.700	3.050	9.96670	.31640	.06010	.04450	-.06230	.00500	-.01620	.02530
.700	4.029	9.95670	.31890	.06120	.04140	-.07730	.00590	-.02120	.03550
.700	6.099	9.95550	.31960	.06210	.04030	-.10200	.00400	-.02890	.07240
.700	8.087	9.94660	.32340	.06360	.03690	-.13100	.00420	-.03520	.09700
.700	10.150	9.93370	.32790	.06790	.03140	-.14930	-.00110	-.03840	.14760
.700	12.192	9.97010	.33350	.07240	.02260	-.17860	-.00080	-.04290	.17030
	GRADIENT	-.00123	.00046	.00011	-.00053	-.01747	.00126	-.00409	.00755

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TC5 AT38.3 (PRES. K1 F0 V9.1) (AGM107) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 935.6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 4.000

RUN NO. 449/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.150	-.848	-.06030	-.02970	.02210	.02710	.01180	-.00090	- .00070	- .00010
.150	.140	-.05340	-.00820	.02270	.02960	.01030	-.00070	-.00070	-.00010
.151	1.046	-.05340	.01390	.02620	.03300	.01190	- .00090	-.00080	-.00010
.149	1.906	-.06040	.03990	.03130	.03530	.01230	- .00050	- .00130	-.00020
.151	2.717	-.05360	.05780	.03170	.03700	.01210	- .00030	- .00130	-.00030
.150	3.551	-.06050	.07960	.03440	.04000	.01240	-.00030	-.00150	-.00030
.150	4.468	-.06050	.10270	.03760	.04200	.01400	- .00020	-.00140	-.00040
.150	5.419	-.05360	.12820	.04230	.04370	.01270	-.00020	-.00160	-.00030
.150	6.101	-.04690	.15020	.04620	.04540	.01270	.00000	-.00160	-.00040
.150	7.025	-.05370	.17330	.05160	.04770	.01290	.00010	-.00180	-.00040
.150	7.846	-.05380	.19640	.05760	.05030	.01300	.00010	-.00180	-.00050
.150	8.632	-.05390	.22160	.06480	.05250	.01320	.00040	-.00180	-.00060
.150	9.528	-.05380	.24700	.07390	.05520	.01330	.00020	-.00160	-.00050
.151	10.314	-.05370	.27210	.08020	.05710	.01190	.00020	-.00180	-.00040
.151	11.301	-.05400	.29730	.08820	.06000	.01200	.00090	-.00170	-.00070
.149	12.212	-.06090	.32180	.09810	.06160	.01380	.00070	-.00180	-.00070
.151	13.098	-.06100	.34280	.10740	.06480	.01370	.00100	-.00150	-.00080
.150	14.053	-.06090	.36350	.11770	.07080	.01260	.00100	- .00170	-.00070
.149	14.814	-.06090	.37540	.12670	.07600	.01290	.00080	- .00150	-.00070
.150	15.758	-.06090	.38450	.13570	.08250	.01310	.00080	- .00150	-.00070
.150	16.666	-.05380	.38910	.14490	.09000	.01180	.00060	- .00140	-.00050
.150	17.543	-.06070	.38940	.15220	.09760	.01040	.00050	- .00110	-.00050
	GRADIENT	- .00060	.02522	.00308	.00284	.00045	.00014	-.00017	-.00006

CA5 ORB TO5 AT3B.3 (PRES. KI FO

V9 1)

(AGM107) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.8800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

BETA = .000 RUD-U = .000
 RUD-L = 000 S1-2 = 000
 S3-4 = 000 S5-6 = .000
 IORB = 4 000

RUN NO. 448/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORS
.300	-.826	-.05790	-.02180	.03390	.02270	-.00260	-.00120	-.00130	.00230
.301	.169	-.05110	.00070	.03250	.02550	-.00240	-.00110	-.00140	.00220
.300	1.091	-.05120	.02450	.03240	.02880	-.00230	-.00110	-.00150	.00210
.300	1.913	-.05810	.04560	.03240	.03150	-.00210	-.00100	-.00160	.00210
.300	2.754	-.05140	.06670	.03240	.03350	-.00200	-.00090	-.00160	.00190
.300	3.592	-.05160	.08800	.03300	.03530	-.00190	-.00080	-.00180	.00170
.300	4.520	-.04460	.11260	.03430	.03730	-.00210	-.00080	-.00190	.00180
.300	5.491	-.05160	.13960	.03620	.03990	-.00180	-.00070	-.00190	.00170
.299	6.232	-.04480	.16050	.03830	.04130	-.00150	-.00060	-.00190	.00150
.300	7.156	-.05190	.18670	.04130	.04310	-.00130	-.00050	-.00190	.00140
.300	7.987	-.05190	.21080	.04490	.04500	-.00120	-.00050	-.00200	.00140
.300	8.838	-.05910	.23620	.04930	.04730	-.00100	-.00030	-.00200	.00120
.299	9.738	-.05220	.26370	.05470	.04970	-.00130	-.00020	-.00200	.00110
.299	10.495	-.04540	.28630	.05960	.05170	-.00120	-.00010	-.00200	.00100
.299	11.427	-.07860	.30580	.06470	.05570	.01690	.00140	-.00030	-.00470
.300	12.363	-.05270	.33450	.07280	.05770	-.00090	.00010	-.00190	.00060
.299	13.250	-.05270	.35280	.08010	.06190	-.00070	.00020	-.00200	.00060
.300	14.182	-.05290	.36730	.08720	.06780	-.00090	.00030	-.00190	.00040
.300	14.841	-.05300	.37470	.09180	.07180	-.00120	.00040	-.00180	.00040
.300	15.783	-.05300	.38400	.09860	.07830	-.00140	.00050	-.00180	.00030
.299	16.680	-.05320	.39020	.10480	.08580	-.00120	.00060	-.00160	.00010
.301	17.495	-.05340	.39330	.10980	.09300	-.00180	.00080	-.00160	-.00010
GRADIENT		.00160	.02525	.00008	.00278	.00011	.00008	-.00011	-.00011

CA5 ORB TC5 AT38.3 (PRES, K1 F0

V9.11

(AGM107) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 TORB = 4 000

RUN NO 447/ 0 RN/L = 2.86 GRADIENT INTERVAL = -6.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.500	-.798	-.04770	-.01280	.03780	.02230	-.00530	- .00080	- .00130	.00560
.501	.188	-.04790	.01030	.03570	.02440	-.00540	-.00070	-.00140	.00540
.501	1.057	-.04800	.03230	.03450	.02730	-.00510	-.00070	-.00150	.00530
.500	1.718	-.04120	.05030	.03380	.02900	-.00500	- .00070	-.00150	.00520
.501	1.955	-.04810	.05650	.03350	.02970	-.00510	- .00070	- .00160	.00520
.501	2.659	-.04810	.07410	.03340	.03150	-.00500	-.00060	-.00160	.00520
.501	3.540	-.04860	.09590	.03340	.03350	-.00570	- .00050	-.00160	.00470
.500	4.419	-.04180	.12020	.03390	.03560	-.00590	-.00050	-.00170	.00460
.500	5.357	-.04190	.14570	.03520	.03760	-.00570	-.00040	-.00180	.00450
.500	6.114	-.04200	.16610	.03650	.03950	-.00580	-.00040	-.00190	.00440
.501	7.061	-.04230	.19320	.03600	.04180	-.00540	-.00030	-.00190	.00420
.500	7.924	-.04940	.21890	.04210	.04410	-.00540	-.00020	-.00190	.00390
.500	8.740	-.04280	.24400	.04560	.04630	-.00330	-.00010	-.00180	.00370
.499	9.623	-.04310	.27150	.05040	.04900	-.00520	.00000	-.00190	.00340
.500	10.354	-.04320	.29200	.05470	.05130	-.00480	.00000	-.00200	.00320
.499	11.341	-.05010	.31530	.06060	.05530	-.00490	.00010	-.00210	.00320
.500	12.243	-.05040	.33400	.06660	.05950	-.00490	.00020	- .00220	.00300
.499	13.125	-.05090	.34930	.07270	.06500	- .00510	.00040	- .00210	.00250
.500	14.072	-.05830	.36200	.07920	.07220	-.00500	.00050	- .00190	.00200
.500	14.870	-.05830	.36980	.08400	.07900	- .00520	.00050	- .00190	.00190
.500	15.817	-.05970	.37630	.08980	.08730	-.00520	.00060	- .00180	.00160
.500	16.754	-.05950	.38190	.09520	.09510	-.00500	.00090	- .00160	.00080
.500	17.481	-.05270	.38610	.09970	.10390	- .00540	.00100	- .00160	.00050
.501	17.777	-.06000	.38740	.10140	.10780	-.00710	.00120	- .00160	.00020
	GRADIENT	.00064	.02562	-.00073	.00260	.00011	.00006	- .00007	- .00019

CAS ORB TCS AT38.3 (PRES KI FO VS.1)

(AGM107) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = 000
 RUD-L = 000 S1-2 = 000
 S3-4 = 000 S5-6 = 000
 IORB = 4.000

RUN NO. 446/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CO	CLM	CY	CLN	CSL	DIORB
.600	-.774	-.05430	-.00470	.04020	.02130	-.00710	-.00050	-.00140	.00990
.600	.213	-.04750	.01860	.03810	.02370	-.00720	-.00040	-.00150	.00580
.600	1.095	-.04770	.04180	.03660	.02610	-.00740	-.00030	-.00150	.00560
.600	2.035	-.05490	.06750	.03580	.02870	-.00700	-.00030	-.00160	.00530
.600	2.834	-.04820	.08760	.03510	.03060	-.00730	-.00020	-.00170	.00510
.600	3.649	-.05550	.10870	.03520	.03250	-.00730	-.00010	-.00170	.00480
.600	4.572	-.04870	.13300	.03560	.03450	-.00720	.00000	-.00180	.00470
.600	5.525	-.04870	.15890	.03690	.03660	-.00720	.00000	-.00190	.00470
.601	6.190	-.04900	.17800	.03820	.03830	-.00710	.00010	-.00190	.00430
.601	7.113	-.04910	.20560	.04090	.04060	-.00670	.00010	-.00190	.00420
.601	7.985	-.04960	.23140	.04390	.04280	-.00670	.00020	-.00200	.00380
.600	8.777	-.05670	.25620	.04760	.04510	-.00650	.00030	-.00200	.00350
.599	9.674	-.05700	.28260	.05220	.04860	-.00620	.00030	-.00200	.00320
.601	10.399	-.05020	.30110	.05640	.05140	-.00620	.00040	-.00210	.00320
.601	11.385	-.05050	.32280	.06260	.05620	-.00610	.00050	-.00230	.00280
.600	12.319	-.05100	.33950	.06870	.06200	-.00610	.00060	-.00220	.00240
.600	13.173	-.05140	.35210	.07430	.06850	-.00660	.00080	-.00210	.00190
.600	14.135	-.05240	.36420	.08080	.07670	-.00660	.00090	-.00170	.00100
.600	14.908	-.05250	.37300	.08600	.08440	-.00670	.00100	-.00170	.00080
.600	15.869	-.06050	.38370	.09270	.09440	-.00710	.00120	-.00140	-.00030
.601	16.803	-.05400	.39430	.10010	.10360	-.00750	.00120	-.00110	-.00070
.600	17.575	-.06180	.40360	.10660	.11340	-.00750	.00130	-.00070	-.00170
.600	17.898	-.06210	.40710	.10940	.11760	-.00740	.00130	-.00060	-.00200
	GRADIENT	00003	.02592	-.00087	.00250	-.00002	00009	-.00007	-.00025

CAS ORB TC5 AT38.3 (PRES. KI FO V9.1) (AGM107) (20 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 ØREF = 938.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 4.000

RUN NO. 445/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	ØIORB
.700	-.762	-.04710	.00700	.04390	.01910	-.00980	.00000	-.00180	.00620
.700	.218	-.04770	.03130	.04160	.02110	-.00990	.00010	-.00190	.00560
.700	1.100	-.04780	.05490	.04000	.02340	-.00970	.00010	-.00200	.00550
.700	1.792	-.04830	.07370	.03910	.02520	-.00970	.00020	-.00200	.00500
.700	2.045	-.04840	.08050	.03890	.02580	-.00970	.00030	-.00200	.00490
.700	2.755	-.04860	.09870	.03840	.02750	-.00960	.00030	-.00210	.00470
.699	3.581	-.04920	.12040	.03830	.02890	-.00980	.00040	-.00210	.00410
.700	4.495	-.04250	.14610	.03890	.03100	-.00970	.00050	-.00220	.00390
.699	5.440	-.04960	.17340	.04030	.03320	-.00950	.00060	-.00230	.00380
.700	6.196	-.04950	.19560	.04190	.03520	-.00950	.00060	-.00230	.00380
.700	7.140	-.04310	.22370	.04480	.03780	-.00910	.00070	-.00240	.00330
.700	8.012	-.05740	.25030	.04830	.04040	-.00870	.00070	-.00240	.00280
.700	8.855	-.05110	.27540	.05240	.04320	-.00850	.00080	-.00230	.00220
.700	9.747	-.03770	.30090	.05820	.04690	-.00830	.00090	-.00240	.00180
.701	10.520	-.05230	.31860	.06370	.05120	-.00820	.00110	-.00250	.00100
.701	11.511	-.05360	.33730	.07120	.05750	-.00840	.00140	-.00250	-.00030
.701	12.411	-.04750	.35220	.07910	.06350	-.00790	.00150	-.00240	-.00120
.700	13.216	-.04890	.36540	.08670	.07020	-.00800	.00160	-.00200	-.00260
.700	14.184	-.05030	.38150	.09650	.07870	-.00810	.00180	-.00160	-.00400
.700	14.990	-.05810	.39450	.10620	.08540	-.00850	.00200	-.00150	-.00500
.701	15.969	-.05780	.40950	.11800	.09580	-.00850	.00200	-.00160	-.00470
.700	16.908	-.05160	.42510	.12960	.10750	-.00910	.00220	-.00140	-.00550
.700	17.729	-.05000	.43540	.13990	.11750	-.00870	.00190	-.00130	-.00380
.700	18.021	-.04930	.43810	.14320	.12120	-.00860	.00170	-.00120	-.00300
GRADIENT		.00041	.02646	-.00097	.00229	.00002	.00010	-.00007	-.00044

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.1A V9 1)

(AGM108) (20 JAN 75)

REFERENCE DATA

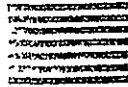
SREF = 2690 0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -3 200
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 453/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.300	-.771	-.05130	-.02190	.03180	.02240	-.00100	- .00120	-.00120	00200
.300	.215	-.05140	.00070	.03050	.02530	-.00130	-.00100	-.00130	00190
.299	1.119	-.05850	02330	.03010	.02790	-.00070	-.00100	- .00140	00180
.301	2.008	-.05840	04740	.03040	.03070	-.00090	- .00100	- .00150	00180
.300	2.808	-.05860	.06660	.03050	03290	-.00120	-.00080	-.00160	00160
.299	3.622	-.05870	.08750	.03100	.03500	-.00110	-.00070	-.00170	.00150
.300	4.553	-.05900	.11220	.03220	.03750	- .00060	- .00060	-.00170	.00120
.300	5.511	-.06590	.13900	.03440	.03910	- .00040	- .00060	- .00180	00130
.299	6.256	-.05910	.15990	03660	.04080	- .00030	- .00050	- .00190	00110
.300	7.178	-.05900	.18690	.03970	.04280	-.00050	- .00040	-.00190	.00120
.301	8.027	-.05230	.21180	.04350	.04500	- .00080	- .00030	-.00200	00100
.301	8.914	-.05920	.23890	.04820	.04710	-.00060	-.00020	-.00200	.00100
.300	9.824	-.05950	.26660	.05390	.04930	-.00050	- .00010	- .00190	00080
.299	10.643	-.05960	.29010	.05910	.05160	-.00040	.00000	-.00200	00060
.301	11.636	-.05980	.31650	.06590	.05470	- .00020	00020	- .00190	.00040
.300	12.437	-.05990	.33750	.07240	.05700	- .00010	.00020	-.00190	00040
.300	13.354	-.06020	.35560	.08010	.06220	.00010	.00040	-.00180	.00000
.299	14.321	-.06020	.36850	.08720	.06780	.00030	.00050	-.00190	.00000
.300	15.158	-.06030	.38000	.09360	.07340	.00040	.00050	-.00170	.00000
.300	16.095	-.06040	.38790	.10020	.08030	.00020	.00060	-.00160	-.00020
.300	16.907	-.06060	.39340	.10590	.08560	-.00040	.00070	- .00140	-.00040
.299	17.611	-.06060	.39420	.11030	.09320	-.00100	00090	- .00160	-.00040
	GRADIENT	-.00156	.02529	.00010	.00285	.00005	.00011	-.00010	- .00014



CAS ORB TC5 AT38.3 (PRES. K1 F0 H15.1A V9 1)

(AGM108) (20 JAN 75 1)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -3 200
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 10RB = 4.000

RUN NO. 452/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.500	-.740	-.02670	-.01090	.03590	.02130	-.00690	-.00080	-.00130	.00590
.501	.235	-.02690	.01280	.03400	.02350	-.00690	-.00070	-.00140	.00570
.500	1.117	-.04080	.03510	.03290	.02600	-.00670	-.00070	-.00160	.00560
.499	2.038	-.03410	.05970	.03220	.02900	-.00660	-.00070	-.00160	.00540
.500	2.847	-.04120	.08020	.03200	.03090	-.00640	-.00060	-.00170	.00520
.500	3.660	-.03450	.10150	.03220	.03290	-.00650	-.00050	-.00170	.00500
.500	4.625	-.04160	.12690	.03290	.03510	-.00630	-.00050	-.00180	.00480
.500	5.569	-.04170	.15290	.03450	.03730	-.00620	-.00040	-.00190	.00470
.501	6.364	-.04190	.17480	.03610	.03920	-.00600	-.00030	-.00190	.00450
.501	7.293	-.04220	.20140	.03880	.04160	-.00590	-.00030	-.00190	.00420
.499	8.070	-.04940	.22450	.04170	.04370	-.00580	-.00020	-.00200	.00400
.499	8.934	-.04960	.25180	.04590	.04610	-.00540	-.00010	-.00200	.00370
.500	9.834	-.04300	.27930	.05100	.04880	-.00540	.00000	-.00210	.00340
.500	10.624	-.05010	.30050	.05570	.05150	-.00540	.00010	-.00210	.00330
.500	11.597	-.05020	.32210	.06170	.05540	-.00520	.00020	-.00220	.00320
.501	12.454	-.05080	.33950	.06770	.06000	-.00530	.00040	-.00220	.00250
.499	13.336	-.05120	.35370	.07370	.06560	-.00520	.00050	-.00210	.00220
.501	14.268	-.05830	.36580	.08020	.07300	-.00530	.00050	-.00200	.00200
.500	15.045	-.05870	.37250	.08490	.07970	-.00530	.00060	-.00180	.00160
.500	16.001	-.05930	.37970	.09070	.08970	-.00600	.00080	-.00170	.00100
.499	16.819	-.05280	.39390	.09540	.09660	-.00650	.00100	-.00160	.00050
.500	17.684	-.05330	.38880	.10110	.10600	-.00720	.00120	-.00150	.00000
	GRADIENT	-.00247	.02577	-.00055	.00264	.00012	.00006	-.00009	-.00021

CAS ORB TC5 AT38.3 (PRES. K1 F0 H15.1A V9 1)

(AGM108) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3 200
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TOR9 = 4.000

RUN NO 451/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.601	-.727	-.05440	-.00070	.03850	.01960	-.00870	-.00030	-.00150	.00580
.600	.215	-.04760	.02160	.03640	.02190	-.00870	-.00020	-.00160	.00570
.601	1.079	-.04780	.04440	.03520	.02440	-.00860	-.00020	-.00170	.00550
.601	1.807	-.04810	.06380	.03440	.02640	-.00850	-.00010	-.00170	.00520
.601	2.051	-.05480	.07060	.03420	.02700	-.00870	-.00010	-.00170	.00540
.600	2.754	-.04830	.08830	.03390	.02890	-.00850	-.00010	-.00180	.00500
.599	3.581	-.05530	.10910	.03390	.03080	-.00830	.00000	-.00180	.00490
.600	4.460	-.04850	.13290	.03460	.03270	-.00830	.00000	-.00190	.00480
.601	5.363	-.05560	.15730	.03570	.03490	-.00820	.00010	-.00190	.00460
.600	6.104	-.05580	.17820	.03720	.03680	-.00790	.00010	-.00200	.00450
.600	7.018	-.04910	.20490	.03970	.03920	-.00780	.00020	-.00200	.00420
.601	7.899	-.04940	.23120	.04290	.04140	-.00770	.00030	-.00200	.00400
.601	8.625	-.04950	.25390	.04620	.04370	-.00750	.00030	-.00210	.00390
.600	9.511	-.05000	.28020	.05090	.04650	-.00720	.00040	-.00210	.00340
.600	10.283	-.04990	.30080	.05530	.04990	-.00700	.00040	-.00220	.00350
.600	11.259	-.04330	.32140	.06120	.05450	-.00750	.00060	-.00230	.00310
.599	12.228	-.05060	.33960	.06770	.06020	-.00720	.00070	-.00230	.00280
.599	12.976	-.05790	.35140	.07280	.06560	-.00740	.00080	-.00230	.00240
.600	13.938	-.05920	.36430	.07960	.07390	-.00760	.00100	-.00190	.00110
.601	14.791	-.05240	.37450	.08540	.08210	-.00750	.00100	-.00170	.00090
.600	15.686	-.05320	.38380	.09170	.09160	-.00800	.00120	-.00160	.00020
.600	16.629	-.04700	.39430	.09880	.10120	-.00810	.00130	-.00120	-.00060
.601	17.383	-.04770	.40280	.10530	.10980	-.00880	.00150	-.00110	-.00140
.601	17.898	-.04850	.40960	.11020	.11630	-.00880	.00150	-.00070	-.00220
	GRADIENT	.00006	.02586	-.00076	.00257	.00009	.00006	-.00007	-.00021

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.3 (PRES. KI F0 H15.1A V9.1)

(AGM108) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

BETA = .000 STAB = -3 200
 ELV-18 = .000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO 450/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.701	- .726	-.02770	.01330	.04250	.01580	-.01070	.00030	-.00150	00480
.699	.225	-.02790	.03590	.04010	.01840	-.01040	.00030	-.00160	00460
.700	1.108	-.02110	.05970	.03880	.02050	-.01040	.00030	-.00170	00450
.701	1.804	-.02160	.07860	.03810	.02230	-.01040	.00040	-.00170	00400
.699	2.065	-.02150	.08530	.03770	.02270	-.01060	.00040	-.00170	.00410
.700	2.737	-.02850	.10210	.03740	.02480	-.01020	.00040	-.00180	.00400
.701	3.572	-.02900	.12570	.03750	.02610	-.01060	.00060	-.00180	.00360
.699	4.428	-.02910	.14830	.03800	.02640	-.01050	.00060	-.00190	00340
.700	5.344	-.02950	.17480	.03940	.03070	-.01040	.00070	-.00190	.00310
.700	6.091	-.02950	.19600	.04100	.03290	-.01010	.00070	-.00200	00300
.700	7.026	-.02990	.22410	.04380	.03530	-.00980	.00080	-.00200	00270
.701	7.908	-.03070	.25150	.04770	.03730	-.00950	.00090	-.00210	.00190
.700	8.641	-.03090	.27300	.05120	.04010	-.00920	.00090	-.00200	.00170
.700	9.543	-.03840	.29900	.05670	.04350	-.00900	.00110	-.00210	00110
.700	10.325	-.04620	.31880	.06240	.04690	-.00900	.00120	-.00220	00020
.700	11.299	-.04690	.33770	.06970	.05270	-.00900	.00140	-.00230	-.00050
.700	12.282	-.04870	.35420	.07830	.05930	-.00860	.00160	-.00200	-.00240
.700	13.074	-.04920	.36700	.08580	.06560	-.00860	.00170	-.00180	-.00290
.699	14.028	-.05140	.38380	.09610	.07320	-.00960	.00200	-.00130	-.00520
.700	14.856	-.05250	.39710	.10590	.08060	-.00970	.00220	-.00110	-.00630
.701	15.780	-.05320	.41070	.11710	.08980	-.01020	.00240	-.00120	-.00710
.700	16.749	-.05290	.42540	.12900	.10160	-.01030	.00240	-.00110	-.00690
.699	17.452	-.03830	.43490	.13740	.11050	-.01050	.00230	-.00090	-.00600
.700	18.009	-.04290	.44030	.14430	.11730	-.00990	.00190	-.00100	-.00360
	GRADIENT	-.00054	.02635	-.00086	.00242	.00002	.00007	-.00007	-.00028

CA5 ORB TC5 AT38.3 (PRES, K1 F0 H15.1A V9.1)

(AQM109) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 457/ 0 RN/L = 1 89 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.053	3.94160	.10510	.02220	.02160	.18550	.00800	.03430	-.04510
300	-10.028	3.94740	.10410	.02270	.02250	.16270	00350	03100	- 03370
299	-8 021	3.95130	.10520	.02360	.02440	.13230	00180	.02590	- 02570
.300	-6.014	3.95490	.10580	.02570	.02710	.10070	.00030	.01950	- 01790
.300	-4.007	3.96500	.09250	.02710	.04150	.06500	-.00030	.01190	- 01070
.299	-3.007	3.96290	.09520	.02890	.03840	.04480	-.00040	.00760	- .00700
.300	-2.008	3.96170	.09680	.03090	.03660	.02730	-.00070	.00370	- 00340
.300	-1.028	3.96170	.09770	.03210	.03700	.01120	-.00150	00090	.00070
.300	.006	3.96140	.09870	.03250	.03600	-.00730	-.00130	- 00200	.00350
.299	1.013	3.95850	.10370	.03240	.03240	-.02390	-.00220	- 00450	.00770
.300	2.047	3.95290	.10400	.03100	.03080	-.04280	-.00240	- 00890	.01130
.300	3 005	3.95110	.10600	.03010	.02870	- 06080	- 00260	-.01300	01490
300	4 019	3.95000	.10760	.02900	.02510	-.07910	- 00280	- 01690	01840
.299	6 052	3 94180	.10900	.02670	.01890	- 11600	- 00290	-.02430	02480
.299	8.046	3.93910	.10670	.02430	.01570	-.15040	-.00390	-.03080	.03240
.300	10.047	3.93380	.10430	.02260	.01210	-.17970	-.00670	-.03560	.04190
.299	12.071	3.92490	.11060	.02300	.00410	-.20740	-.01050	- 03900	.05240
	GRADIENT	-.00193	.00188	.00019	-.00184	-.01772	-.00034	-.00344	.00362

RUN NO. 458/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.501	-12.117	3.98010	.12040	.02500	.02240	.18530	.01090	.03320	-.12340
.501	-10.095	3.98430	.11880	.02390	.02340	.16640	.00380	.03120	-.08720
.499	-8 066	3 98590	.11950	.02430	.02300	.13690	00140	.02630	- 06450
.500	-6.040	3.99280	.11520	.02600	.02700	.10490	-.00040	.02030	-.04390
500	-4 029	4.01040	.10650	.02740	.03730	.06810	-.00100	.01260	-.02530
501	-3 059	4.00500	.10850	.02960	.03490	.04850	-.00100	.00820	-.01680
501	-2.020	4.00440	.10920	.03130	.03450	.02830	-.00080	.00390	- 00880
.500	-1.056	4.00470	.10810	.03200	.03490	.01230	- 00120	.00120	00000
.500	016	4.00110	.10880	.03240	.03400	-.00900	-.00070	-.00180	.00660
.500	1 050	3.99980	.11480	.03270	.03120	- 02680	- 00140	- 00460	.01710
.499	2 047	3 99830	.11510	.03080	.03010	-.04500	- 00140	-.00880	02480
500	3.066	3 99570	.11730	.02970	.02710	-.06580	-.00120	-.01340	.03370
.500	4.063	3.98990	.11960	.02900	.02340	-.08260	-.00150	-.01720	.04220
.501	6.058	3.97420	.12390	.02760	.01560	-.11940	-.00160	-.02460	.05860
.500	8.086	3 96940	.12070	.02590	.01440	-.15210	-.00350	- 03060	08000
501	10.135	3 96400	.11850	.02630	.01360	- 17230	-.01030	- 03360	.11620
499	12.140	3.95440	.12820	.02660	.00640	-.20450	-.01190	-.03750	.13530
	GRADIENT	-.00208	.00160	00010	-.00150	-.01855	-.00007	- 00353	.00829

CA5 ORB TC5 AT3B.3 (PRES. K1 FO H15.1A V9.1)

(AQM109) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 TOR3 = 4.000

RUN NO. 455/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.599	-12 208	3.99730	.13990	.02930	.02150	.16920	.01080	03210	-.16580
.599	-10.137	4.00110	.13550	.02790	.02190	.16650	.00500	02960	-.12210
.599	-8.109	3.99900	.13350	.02770	.02150	.14020	.00100	.02610	-.08610
.599	-6.064	4.01020	.12840	.02850	.02700	.10890	-.00150	02020	-.05480
.600	-4.034	4.02140	.12210	.03000	.03270	.07130	-.00190	01270	-.03080
.601	-3.070	4.02240	.12160	.03150	.03190	.05130	-.00150	.00830	-.02090
.599	-2.043	4.01830	.12120	.03340	.03140	.03020	-.00100	.00390	-.01120
.600	-1.007	4.02010	.11810	.03340	.03270	.01220	-.00130	00100	00050
.600	001	4 01920	.11860	.03380	.03210	-.00970	-.00010	-.00180	00630
.599	1.073	4 01580	.12540	.03460	.02880	-.02880	-.00060	-.00490	.01990
.600	2 086	4 01350	.12560	.03280	.02870	-.04760	-.00030	-.00910	.02920
.601	3 078	4 00920	.12780	.03160	.02650	-.06730	00000	-.01350	.03900
.600	4 045	4.00130	.13060	.03090	.02240	-.08620	-.00020	-.01760	.05140
.600	6 083	3.98630	.13730	.03050	.01540	-.12160	-.00100	-.02460	.07610
.600	8.120	3 98220	.13500	.02960	.01470	-.15150	-.00360	-.02990	.10750
.600	10.179	3 97510	.13510	.03130	.01190	-.17000	-.01150	-.03200	.15990
.599	12.222	3.95660	.15070	.03230	.00130	-.20520	-.01230	-.03600	.19330
GRADIENT		-.00219	.00112	.00007	-.00109	-.01935	00022	-.00357	.00996

RUN NO. 454/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.700	-12.235	4.01650	.16460	.03980	.01920	.18800	.01190	03000	-.21350
.699	-10.171	4.01170	.16520	.03670	.01700	.16820	.00550	.02780	-.15640
.700	-8.131	4.01620	.15830	.03510	.01920	.14200	.00100	.02480	-.10880
.700	-6.080	4.03090	.15040	.03420	.02560	.11340	-.00270	.02030	-.06300
.701	-4.068	4.04060	.14260	.03450	.02990	.07480	-.00250	.01290	-.03660
.699	-3.017	4.03710	.14010	.03550	.02890	.05230	-.00200	.00790	-.02330
.700	-2 054	4.02950	.14320	.03840	.02660	.03130	-.00090	.00370	-.01570
.700	-1.016	4.03380	.13660	.03740	.02820	.01310	-.00110	.00080	-.00090
.700	013	4.03360	.13600	.03770	.02830	-.01060	.00060	-.00190	.00380
.700	1.017	4.02830	.14280	.03860	.02940	-.02780	.00010	-.00430	.01890
.700	2 051	4 03230	.14300	.03680	.02680	-.04820	.00080	-.00890	.02920
.699	3.051	4.03170	.14450	.03550	.02630	-.06930	.00160	-.01350	.03980
.699	4 084	4 02170	.14870	.03570	.02220	-.08880	.00130	-.01770	.05590
.700	6 120	4 00780	.15710	.03670	.01630	-.12230	-.00050	-.02380	.09260
.700	8.174	3.99710	.16230	.03740	.01210	-.15310	-.00340	-.02850	.13340
.700	10.233	3.98040	.16800	.04070	.00530	-.17410	-.01010	-.03060	.19330
.699	12 264	3.95800	.17450	.04190	-.00300	-.20470	-.01270	-.03480	.23160
GRADIENT		-.00150	.00071	.00004	-.00064	-.01997	.00050	-.00355	.01096

ORIGINAL PAGE IS OF POOR QUALITY.

CA5 ORB TC5 AT38.3 (PRES. KI FO H15.1A V9.1)

(AGM110) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 5.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 461/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.044	7.83910	.21110	.03250	.02740	.16930	.00170	.03890	- 03700
.300	-10.049	7.83990	.21060	.03290	.03070	.14890	-.00210	.03440	- 02700
.300	-8.045	7.84350	.21070	.03470	.03300	.11940	-.00160	.02840	- 02190
.300	-6.033	7.84530	.21360	.03720	.03550	.08740	-.00090	.02070	- 01640
.299	-4.034	7.85060	.20810	.03890	.04370	.05790	- 00090	.01270	- 01010
.300	-3.014	7.85220	.20880	.04040	.04390	.04120	-.00050	.00810	- 00720
.300	-2.008	7.85160	.20860	.04190	.04420	.02680	-.00090	.00400	- 00350
.299	-1.049	7.85240	.20670	.04310	.04550	.01290	-.00150	.00110	.00010
.300	.040	7.85180	.20930	.04370	.04470	-.00510	-.00110	-.00220	.00310
.301	1.026	7.84970	.21280	.04340	.04090	-.01940	-.00180	- 00500	.00700
.300	2.032	7.84780	.21500	.04270	.03880	-.03600	-.00160	- 00950	.01010
.299	3.032	7.84690	.21650	.04200	.03660	-.05230	-.00170	-.01380	.01370
.300	4.025	7.84400	.21900	.04120	.03250	-.06740	- 00170	-.01790	.01700
.299	6.021	7.84000	.21820	.03850	.02810	-.10060	-.00040	- 02600	.02160
.299	8.054	7.83620	.21390	.03600	.02510	-.13120	-.00020	-.03360	.02770
.300	10.070	7.83020	.21250	.03490	.02190	-.15630	-.00290	-.03880	.03690
.300	12.084	7.82410	.22130	.03520	.00940	-.18140	-.00480	- 04410	.04500
	GRADIENT	-.00087	.00142	.00026	-.00136	-.01552	-.00014	- 00365	.00339

RUN NO. 460/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.117	7.89580	.22940	.03440	.03130	.16590	.00490	.03820	- .10380
.500	-10.064	7.90190	.22660	.03260	.03440	.15140	- 00180	.03510	- .06990
.501	-8.085	7.90090	.22790	.03410	.03280	.12170	-.00180	.02910	- 05550
.500	-6.050	7.90290	.22590	.03580	.03520	.09080	-.00150	.02170	- .04060
.501	-4.035	7.91310	.22080	.03720	.04230	.05940	-.00140	.01310	- .02440
.500	-3.044	7.91220	.22190	.03890	.04250	.04300	-.00110	.00840	- .01640
.500	-2.026	7.91370	.22050	.04030	.04280	.02590	-.00090	.00410	- .00830
.500	-1.036	7.91520	.21840	.04070	.04430	.01100	-.00110	.00110	- .00020
.500	-.020	7.91530	.21950	.04130	.04380	-.00730	-.00040	-.00200	.00550
.500	1.048	7.91140	.22460	.04160	.04080	-.02390	-.00090	-.00510	.01540
.501	2.065	7.90550	.22780	.04080	.03900	-.04020	-.00040	- 00960	.02210
.500	3.048	7.90410	.22990	.04000	.03530	-.05700	.00000	-.01410	.02960
.500	4.031	7.89560	.23270	.03960	.03120	-.07220	-.00010	-.01830	.03810
.501	6.050	7.88560	.23510	.03820	.02490	-.10560	.00110	-.02680	.05070
.501	8.102	7.88560	.22900	.03580	.02480	-.13560	.00060	-.03410	.06830
.499	10.102	7.88290	.22580	.03590	.02580	-.15450	-.00430	-.03850	.09710
.499	12.099	7.86920	.23860	.03770	.01440	-.18050	-.00590	-.04360	.11610
	GRADIENT	-.00188	.00152	.00024	-.00130	-.01634	.00016	-.00373	.00764

CA5 ORB TC5 AT38 3 (PRES KI FO H15 IA V9 1)

(A,M110) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3 000
 SI-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 4 000

RUN NO. 459/ 0 RN/L = 3 19 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	-12 194	7.93050	.24780	.04030	.03210	.16470	.00630	.03750	-.14610
.600	-10.107	7.93320	.24570	.03800	.03370	.14990	-.00030	.03380	-.10000
.600	-8 088	7.92790	.24490	.03640	.03160	.12360	-.00230	.02910	-.07240
.601	-6 060	7.93550	.24200	.03910	.03520	.09330	-.00250	.02180	-.05050
.600	-4 046	7.94420	.23660	.03980	.04050	.06240	-.00240	.01330	-.02900
.600	-3.019	7.94200	.23630	.04120	.03990	.04410	-.00180	.00840	-.01900
.599	-2.029	7.94330	.23550	.04260	.04010	.02680	-.00110	.00410	-.01080
.600	-1.092	7.94600	.23200	.04250	.04190	.01230	-.00120	.00120	-.00060
.600	.007	7.94560	.23180	.04300	.04190	-.00890	.00020	-.00210	.00490
.600	1.056	7.93910	.23890	.04400	.03860	-.02490	.00000	-.00520	.01640
.600	2.019	7.93870	.24030	.04270	.03710	-.04230	.00070	-.00980	.02500
.599	3.052	7.93470	.24280	.04190	.03500	-.05930	.00120	-.01430	.03420
.600	4 059	7.92470	.24610	.04160	.03060	-.07580	.00140	-.01880	.04510
.600	6 092	7.91240	.24980	.04150	.02450	-.10760	.00190	-.02690	.06480
.601	8 089	7.91300	.24490	.03980	.02600	-.13570	.00080	-.03380	.09020
.601	10 165	7.90990	.24480	.04180	.02500	-.15260	-.00520	-.03740	.13350
.600	12 131	7.88950	.25950	.04400	.01300	-.18010	-.00610	-.04250	.15580
GRADIENT	- 00191	.00122	.00018	-.00105	-.01706	.00048	-.00379	.00894	

RUN NO. 458/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12 215	7.97050	.27240	.05340	.03330	.16850	.00600	.03550	-.18110
.700	-10 135	7.95530	.27290	.04960	.03200	.15140	.00030	.03230	-.12850
.701	-8.118	7.95230	.27070	.04770	.03080	.12660	-.00280	.02810	-.08870
.699	-4.091	7.98090	.25950	.04520	.03860	.06660	-.00340	.01350	-.03240
.700	-3.041	7.97550	.25850	.04620	.03740	.04750	-.00270	.00850	-.02030
.700	-2 018	7.96700	.26090	.04900	.03460	.02700	-.00100	.00370	-.01380
.700	-1.009	7.97700	.25210	.04710	.03900	.01150	-.00100	.00070	-.00100
.700	-.009	7.97490	.25270	.04780	.03810	-.01020	.00090	-.00220	.00280
.701	1.021	7.97040	.25960	.04910	.03540	-.02590	.00080	-.00520	.01630
.700	2.053	7.97210	.26030	.04760	.03610	-.04450	.00200	-.00990	.02410
.700	3.058	7.97000	.26300	.04700	.03490	-.06250	.00300	-.01460	.03350
.700	4.067	7.96180	.26660	.04780	.03120	-.08030	.00350	-.01940	.04590
.700	6.078	7.95150	.27160	.04900	.02700	-.10720	.00210	-.02650	.07900
.699	8.109	7.94780	.27230	.04970	.02580	-.13660	.00110	-.03270	.11060
.700	10 194	7.93790	.27480	.05380	.02250	-.15670	-.00430	-.03600	.16230
.701	12.220	7.91680	.28210	.05650	.01240	-.18280	-.00610	-.04090	.19630
GRADIENT	- 00146	.00085	.00020	-.00062	-.01797	.00086	-.00383	.00929	

CA5 ORB TC5 AT38.3 (PRES. KI FO HIS.1A V0.1)

(AGM111) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELY-18 = .000 ELY-08 = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 10RE = 4.000

RUN NO 465/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.056	9.79920	.26820	.04390	.03750	.15690	-.00020	.04130	-.03500
.300	-10.062	9.79500	.27060	.04510	.03720	.13640	-.00300	.03670	-.02610
.300	-8.016	9.80010	.27190	.04720	.03810	.10860	-.00250	.03000	-.02100
.299	-6.026	9.80240	.27320	.04980	.04050	.07820	-.00110	.02180	-.01610
.300	-4.047	9.80480	.26950	.05090	.04830	.05110	-.00150	.01270	-.00900
.300	-3.034	9.80690	.26970	.05230	.04910	.03700	-.00120	.00830	-.00610
.300	-2.007	9.80560	.27040	.05400	.04930	.02350	-.00100	.00420	-.00320
.300	-1.015	9.80320	.26810	.05500	.05080	.00960	-.00120	.00090	-.00200
.300	.005	9.80530	.27070	.05590	.04970	-.00680	-.00070	-.00220	.00280
.300	1.018	9.80300	.27600	.05580	.04580	-.02040	-.00120	-.00520	.00640
.300	2.032	9.80190	.27800	.05540	.04330	-.03650	-.00090	-.00990	.00970
.300	3.017	9.80060	.27910	.05460	.04140	-.05040	-.00090	-.01430	.01300
.300	4.037	9.79610	.27980	.05360	.03800	-.06640	-.00030	-.01880	.01580
.301	6.041	9.79480	.27810	.05150	.03390	-.09520	.00090	-.02720	.02070
.299	8.031	9.78890	.27240	.04830	.03160	-.12500	.00250	-.03650	.02490
.300	10.053	9.78670	.27050	.04660	.02960	-.14770	-.00030	-.04110	.03430
.299	12.065	9.77960	.27980	.04690	.01720	-.17550	-.00010	-.04700	.03980
GRADIENT	-.00101	.00153	.00035	-.00134	-.01456	.00010	-.00376	.00311	

RUN NO 464/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.102	9.88020	.28940	.04420	.04020	.15580	.00190	.04130	-.09540
.501	-10.078	9.88090	.28750	.04310	.04020	.14070	-.00410	.03780	-.06380
.500	-8.059	9.87920	.28720	.04480	.03870	.11210	-.00340	.03100	-.05070
.500	-6.076	9.88280	.28530	.04660	.04070	.08240	-.00200	.02300	-.03960
.500	-4.032	9.89270	.28250	.04770	.04760	.05500	-.00210	.01370	-.02220
.500	-3.028	9.89310	.28370	.04920	.04800	.03960	-.00170	.00860	-.01420
.499	-2.039	9.89260	.28220	.05050	.04860	.02410	-.00120	.00430	-.00730
.500	-1.008	9.89420	.28020	.05090	.05050	.00940	-.00110	.00100	.00010
.500	.000	9.89300	.28130	.05160	.04930	-.00780	-.00010	-.00210	.00500
.500	1.018	9.88640	.28700	.05200	.04580	-.02260	-.00030	-.00520	.01330
.500	2.046	9.88560	.28920	.05120	.04340	-.03810	.00040	-.00990	.01950
.500	3.045	9.88140	.29190	.05070	.04050	-.05370	.00080	-.01460	.02730
.501	4.041	9.87640	.29310	.05010	.03720	-.06960	.00150	-.01950	.03410
.501	6.062	9.86380	.29420	.04910	.03090	-.09700	.00210	-.02840	.04940
.500	8.074	9.85240	.28800	.04620	.03160	-.12730	.00320	-.03650	.06140
.501	10.087	9.85660	.28540	.04580	.03340	-.14500	-.00130	-.04160	.06950
.500	12.095	9.85020	.29780	.04770	.02280	-.17050	-.00200	-.04680	.07540
GRADIENT	-.00201	.00145	.00027	-.00130	-.01539	.00043	-.00390	.05685	

CA5 ORB TC5 AT38.3 (PRES K1 F0 H15.1A V9.1)

(AGM111) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN YMRP = .0000 IN YO
 BREF = 936.6800 IN ZMRP = 375 0000 IN ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 463/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.119	9.92580	.30760	.05100	.04100	.15630	.00170	.04070	-.12710
.600	-10.090	9.92050	.30560	.04860	.04000	.14080	-.00310	.03690	-.08990
.601	-8.059	9.92120	.30280	.04920	.03890	.11410	-.00420	.03130	-.06520
.600	-6.057	9.92750	.29950	.04970	.04200	.08550	-.00330	.02320	-.04770
.599	-4.014	9.93590	.29580	.05000	.04670	.05770	-.00320	.01360	-.02600
.600	-3.065	9.93290	.29660	.05140	.04640	.04260	-.00250	.00890	-.01660
.600	-2.027	9.93580	.29550	.05290	.04710	.02560	-.00150	.00420	-.00910
.601	-1.050	9.93930	.29090	.05230	.04940	.01100	-.00120	-.00090	-.00020
.600	-.008	9.93510	.29200	.05310	.04870	-.00810	.00040	-.00220	.00420
.601	1.047	9.92960	.29960	.05450	.04480	-.02340	.00060	-.00560	.01420
.600	2.036	9.92670	.30060	.05320	.04360	-.03970	.00170	-.01020	.02100
.600	3.006	9.92530	.30220	.05230	.04170	-.05570	.00240	-.01490	.02950
.600	4.066	9.91560	.30460	.05220	.03790	-.07180	.00310	-.01980	.03670
.601	6.053	9.90350	.30710	.05250	.03200	-.09790	.00300	-.02890	.06110
.600	8.070	9.90680	.30400	.05040	.03370	-.12740	.00390	-.03660	.07650
.600	10.159	9.90590	.30340	.05190	.03360	-.14330	-.00180	-.04110	.12110
.601	12.152	9.88560	.32210	.05510	.02060	-.16990	-.00230	-.04610	.14200
	GRADIENT	-.00218	.00118	.00024	-.00101	-.01610	.00079	-.00395	.00770

RUN NO 462/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.177	9.95630	.33120	.06670	.03860	.16620	.00130	.03730	-.15640
.700	-10.140	9.95280	.33120	.06390	.03850	.14440	-.00280	.03340	-.11270
.700	-8.084	9.95430	.32230	.06050	.04030	.11850	-.00510	.02960	-.07650
.700	-6.076	9.95590	.31760	.05830	.04520	.09370	-.00610	.02320	-.04630
.700	-4.016	9.97000	.31530	.05710	.04670	.06280	-.00450	.01350	-.02620
.699	-3.079	9.96550	.31590	.05790	.04570	.04610	-.00340	.00900	-.01700
.701	-2.030	9.96020	.32040	.06170	.04200	.02580	-.00130	.00380	-.01200
.700	-1.010	9.97000	.30920	.05870	.04750	.01060	-.00080	.00050	-.00180
.700	.017	9.96300	.31110	.05980	.04560	-.01040	.00120	-.00240	.00150
.700	1.038	9.96040	.31820	.06150	.04260	-.02440	.00150	-.00560	.01190
.701	2.026	9.96590	.31730	.05980	.04390	-.04130	.00310	-.01020	.01800
.699	3.092	9.96210	.31870	.05890	.04260	-.06080	.00470	-.01560	.02560
.700	4.049	9.95430	.32170	.06000	.03940	-.07620	.00560	-.02030	.03530
.700	6.102	9.94780	.32520	.06210	.03650	-.10100	.00430	-.02810	.06880
.700	8.139	9.94380	.32730	.06310	.03520	-.13090	.00470	-.03450	.09310
.699	10.173	9.93120	.33280	.06780	.02960	-.15020	-.00030	-.03760	.14170
.700	12.210	9.91780	.33440	.07110	.02340	-.17890	-.00050	-.04220	.16560
	GRADIENT	-.00116	.00060	.00022	-.00065	-.01717	.00124	-.00400	.00734

CAS ORB TC5 AT38.3 (PRES, K1 F0 H15.6 V9.1)

(AGM112) (20 JAN 75)

REFERENCE DATA

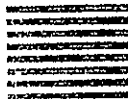
SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 470/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.150	- 809	-.01760	-.02840	.01880	.02710	-.00790	-.00200	-.00090	.00120
.150	.180	-.01050	-.00830	.01930	.02970	-.00780	-.00220	- 00110	.00120
.150	1.072	-.01060	.01530	.02320	.03370	-.00760	- 00220	- 00120	.00120
.150	1.919	-.00370	.03970	.02760	.03510	-.00910	- 00190	~ 00160	.00120
.150	2.733	-.02460	.05950	.02880	.03720	-.00740	-.00160	-.00170	.00100
.149	3.568	-.01070	.07920	.03190	.04110	-.00890	-.00170	-.00190	.00110
.149	4.536	-.01070	.10300	.03490	.04320	-.00870	-.00160	- 00200	00110
.150	5.483	-.01760	.12850	.03990	.04510	-.00840	- 00150	- 00210	00110
.150	6.222	-.00380	.15320	.04430	.04670	-.00830	-.00150	- 00210	.00110
.150	7.160	-.00380	.17820	.05040	.04880	-.00820	-.00140	-.00240	.00100
.151	7.977	-.00380	.19900	.05600	.05100	-.00800	-.00140	-.00230	.00100
.150	8.839	- 01090	.22820	.06490	.05440	-.00950	-.00090	-.00230	00090
.150	9 742	- 01090	.25380	.07380	.05590	-.00770	- 00100	- 00240	00090
.150	10 491	-.00390	.27640	.07980	.05800	-.00920	- 00100	- 00240	00100
.151	11,457	-.00390	.30030	.08800	.05960	-.00890	-.00100	-.00240	.00100
.149	12.318	-.00390	.32160	.09660	.06220	-.00900	-.00100	- 00230	00100
.150	13 229	- 01100	.34410	.10640	.06620	-.00870	-.00070	- 00230	00090
.151	14.171	-.00410	.36230	.11640	.07230	-.00830	- 00060	~ 00230	00080
.149	14 967	-.01080	.37640	.12610	.07610	-.00990	-.00080	- 00250	00100
.149	15.926	-.01080	.39560	.13610	.08340	- 00970	-.00090	-.00230	00100
.151	16.759	-.01070	.39030	.14400	.09080	-.01070	-.00100	-.00230	.00110
.149	17 546	-.00360	.39220	.15280	.09850	-.01240	- 00140	-.00210	.00130
	GRADIENT	00031	.02501	.00322	.00304	-.00018	.00011	- 00022	- 00003



CAS ORB TC5 AT38.3 (PRES. KI F0 H15.6 VS.1)

(AGM112) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 489/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-.781	.00560	-.02100	.03210	.02240	-.00660	-.00160	-.00120	.00350
.301	.207	-.00840	.00160	.03060	.02510	-.00840	-.00150	-.00130	.00340
.299	1.078	-.00160	.02300	.03050	.02810	-.00630	-.00140	-.00140	.00330
.300	1.971	-.00870	.04660	.03070	.03110	-.00610	-.00130	-.00150	.00310
.300	2.726	-.00880	.06540	.03070	.03290	-.00640	-.00120	-.00150	.00300
.301	3.571	-.00880	.08640	.03130	.03510	-.00620	-.00120	-.00180	.00300
.300	4.477	-.00210	.11080	.03250	.03720	-.00610	-.00100	-.00180	.00280
.299	5.412	-.00210	.13690	.03440	.03940	-.00560	-.00100	-.00190	.00280
.300	6.164	-.00910	.15780	.03650	.04060	-.00590	-.00090	-.00190	.00270
.300	7.096	-.00220	.18560	.03980	.04260	-.00570	-.00090	-.00190	.00270
.299	7.930	-.00920	.21010	.04330	.04460	-.00560	-.00080	-.00200	.00260
.299	8.752	-.00940	.23500	.04770	.04680	-.00550	-.00070	-.00210	.00240
.300	9.646	-.00250	.26230	.05320	.04870	-.00570	-.00060	-.00200	.00240
.299	10.335	-.00270	.28270	.05760	.05080	-.00570	-.00050	-.00200	.00220
.299	11.329	-.00980	.30880	.06410	.05330	-.00550	-.00040	-.00200	.00200
.299	12.262	-.00300	.33340	.07140	.05670	-.00530	-.00030	-.00200	.00190
.299	13.059	-.00330	.35110	.07790	.06020	-.00560	-.00010	-.00200	.00170
.300	13.943	-.01580	.37920	.08930	.07000	.01810	.00080	.00040	-.00420
.299	14.728	-.01010	.37680	.09120	.07020	-.00570	-.00010	-.00190	.00180
.300	15.674	-.01030	.38490	.09750	.07660	-.00580	.00010	-.00190	.00160
.300	16.591	-.01030	.39340	.10450	.08300	-.00600	.00020	-.00180	.00150
.300	17.348	-.01050	.39700	.10960	.08960	-.00630	.00030	-.00170	.00140
.299	17.589	-.01040	.39720	.11130	.09210	-.00660	.00040	-.00200	.00140
GRADIENT	-.00133	.02514	.00011	.00287	.00008	.00011	-.00012	-.00013	

ORIGINAL PAGE IS OF POOR QUALITY

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM112) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -3 200
 RUD-U = 000 RUD-L = .000
 ELV-IB = 000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 458/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-.730	-.00520	-.01100	.03580	.02140	-.00780	-.00090	-.00120	.00660
.501	.188	-.00520	.01080	.03400	.02360	-.00790	-.00090	-.00130	.00660
.499	1.089	-.00540	.03420	.03280	.02650	-.00760	-.00090	-.00140	.00640
.501	1.795	.00140	.05300	.03220	.02860	-.00760	-.00080	-.00150	.00620
.499	2.004	-.00570	.05790	.03200	.02920	-.00760	-.00080	-.00150	.00610
.499	2.725	.00130	.07620	.03180	.03120	-.00750	-.00080	-.00150	.00610
.500	3.573	-.00580	.09810	.03190	.03310	-.00750	-.00070	-.00160	.00600
.500	4.418	-.00610	.12060	.03260	.03520	-.00730	-.00060	-.00170	.00570
.499	5.329	.00060	.14520	.03380	.03720	-.00720	-.00050	-.00180	.00550
.500	6.113	-.00630	.16660	.03530	.03930	-.00710	-.00050	-.00180	.00550
.500	7.049	.00040	.19320	.03780	.04170	-.00710	-.00040	-.00180	.00530
.501	7.897	-.00680	.21830	.04080	.04380	-.00680	-.00040	-.00180	.00500
.499	8.701	-.00010	.24360	.04450	.04600	-.00680	-.00030	-.00190	.00480
.501	9.583	-.00040	.27140	.04930	.04860	-.00660	-.00020	-.00190	.00450
.500	10.367	-.00060	.29360	.05390	.05100	-.00650	-.00010	-.00190	.00430
.500	11.358	-.00760	.31750	.06020	.05470	-.00640	.00000	-.00210	.00430
.500	12.276	-.00110	.33560	.06630	.05930	-.00650	.00010	-.00210	.00390
.500	13.051	-.00140	.34930	.07170	.06400	-.00650	.00020	-.00200	.00360
.500	13.984	-.00190	.36300	.07840	.07060	-.00680	.00040	-.00190	.00300
.500	14.758	-.00870	.37170	.08350	.07720	-.00680	.00030	-.00180	.00320
.500	15.676	-.00200	.37870	.08900	.08550	-.00720	.00050	-.00200	.00300
.499	16.626	-.00270	.38470	.09470	.09490	-.00800	.00080	-.00200	.00230
.500	17.356	-.00310	.38750	.09890	.10310	-.00900	.00110	-.00210	.00190
.501	17.773	-.01040	.38990	.10150	.10840	-.00950	.00120	-.00200	.00150
	GRADIENT	.00008	.02563	-.00063	.00273	.00010	.00006	-.00009	-.00018

CAS ORB TCS AT38.3 (PRES. KI FO H15.6 V9.1)

(A0M112) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 467/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-.725	.00170	-.00270	.03780	.02000	-.00800	-.00050	-.00130	.00660
.601	.199	.00150	.01910	.03580	.02230	-.00810	-.00040	-.00140	.00640
.600	1.095	.00110	.04250	.03450	.02500	-.00790	-.00030	-.00150	.00600
.599	1.770	.00110	.06010	.03360	.02710	-.00780	-.00030	-.00150	.00600
.599	2.042	.00120	.06800	.03360	.02770	-.00770	-.00040	-.00150	.00610
.600	2.674	.00770	.08360	.03310	.02940	-.00780	-.00020	-.00150	.00570
.600	3.545	.00070	.10650	.03330	.03130	-.00800	-.00020	-.00160	.00560
.599	4.388	.00050	.12820	.03360	.03330	-.00790	-.00010	-.00170	.00540
.599	5.275	.00040	.15240	.03470	.03540	-.00770	-.00010	-.00170	.00530
.600	5.988	.00020	.17220	.03610	.03710	-.00760	.00000	-.00170	.00510
.600	6.891	.00000	.19880	.03850	.03940	-.00740	.00000	-.00180	.00490
.600	7.783	-.00710	.22540	.04160	.04180	-.00740	.00010	-.00180	.00480
.599	8.467	-.00740	.24710	.04460	.04380	-.00730	.00010	-.00190	.00450
.601	9.362	-.00780	.27420	.04920	.04690	-.00710	.00020	-.00190	.00400
.601	10.185	-.00100	.29720	.05400	.05000	-.00690	.00030	-.00200	.00400
.601	11.108	-.00820	.31730	.05960	.05430	-.00700	.00040	-.00200	.00370
.600	12.089	-.00850	.33540	.06600	.05990	-.00680	.00050	-.00210	.00330
.601	12.795	-.00910	.34730	.07080	.06460	-.00720	.00060	-.00210	.00280
.599	13.740	-.01000	.36080	.07750	.07240	-.00750	.00080	-.00170	.00190
.599	14.646	-.01040	.37250	.08380	.08070	-.00790	.00100	-.00180	.00150
.600	15.454	-.01090	.38160	.08940	.08940	-.00810	.00110	-.00160	.00100
.599	16.409	-.01120	.39160	.09660	.09900	-.00870	.00120	-.00160	.00060
.599	17.192	-.00490	.40120	.10320	.10760	-.00890	.00130	-.00130	-.00010
.600	17.893	-.01240	.41160	.11000	.11630	-.00860	.00130	-.00090	-.00060
	GRADIENT:	.00004	.02578	-.00081	.00264	.00003	.00007	-.00007	-.00023

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.8 V9.1)

(AGM112) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 YORB = 4.000

RUN NO. 466/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-.723	.00740	.01100	.04190	.01700	-.00900	.00000	-.00140	.00540
.701	.229	-.00010	.03410	.04000	.01920	-.00910	.00010	-.00150	.00480
.700	1.112	-.00040	.05750	.03830	.02160	-.00930	.00020	-.00150	.00450
.701	2.058	-.00100	.08310	.03730	.02410	-.00920	.00030	-.00160	.00390
.700	2.812	-.00090	.10200	.03690	.02600	-.00920	.00040	-.00160	.00400
.700	3.608	-.00130	.12300	.03690	.02800	-.00920	.00040	-.00170	.00360
.700	4.477	-.00140	.14660	.03750	.03010	-.00920	.00050	-.00170	.00350
.701	5.366	-.00170	.17260	.03890	.03200	-.00920	.00060	-.00180	.00320
.700	6.131	.00490	.19510	.04060	.03390	-.00930	.00070	-.00180	.00280
.700	7.059	-.00240	.22240	.04320	.03650	-.00880	.00070	-.00190	.00250
.700	7.921	-.00260	.24850	.04670	.03910	-.00850	.00070	-.00190	.00230
.699	8.692	-.00970	.27200	.05070	.04180	-.00820	.00080	-.00190	.00210
.700	9.592	.00360	.29810	.05640	.04520	-.00810	.00090	-.00200	.00160
.700	10.345	.00300	.31680	.06180	.04870	-.00820	.00100	-.00200	.00100
.699	11.311	.00240	.33560	.06890	.05430	-.00800	.00110	-.00210	.00040
.700	12.289	-.00590	.35360	.07810	.06020	-.00800	.00130	-.00190	-.00110
.700	13.138	-.00720	.36750	.08620	.06660	-.00810	.00150	-.00160	-.00240
.700	14.106	-.00960	.38510	.09700	.07430	-.00860	.00190	-.00110	-.00490
.701	14.921	-.01060	.39870	.10710	.08120	-.00910	.00210	-.00130	-.00590
.700	15.846	-.01100	.41150	.11740	.09040	-.00960	.00230	-.00130	-.00630
.700	16.819	-.01000	.42620	.12920	.10200	-.00980	.00220	-.00130	-.00540
.700	17.572	-.00960	.43890	.13980	.11060	-.01060	.00200	-.00070	-.00500
.700	17.999	-.01500	.44250	.14510	.11460	-.01000	.00180	-.00070	-.00340
	GRADIENT	-.00125	.02615	-.00088	.00255	-.00003	.00010	-.00006	-.00036

CAS ORB TCS AT39.3 (PRES. K1 F0 H15.6 V9.1)

(AOM113) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 475/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.149	010	3.93030	.09630	.03480	.04110	-.00560	-.00180	-.00230	.00100
.151	1.049	3.92970	.09940	.03390	.03740	-.02150	-.00230	-.00490	.00200
.150	1.963	3.93080	.10030	.03260	.03630	-.03600	-.00310	-.00900	.00300
.149	3.043	3.92750	.10110	.03170	.03440	-.05710	-.00280	-.01250	.00380
.150	4.041	3.92700	.10280	.03050	.03350	-.07340	-.00420	-.01620	.00520
.150	6.063	3.92560	.10330	.02880	.02690	-.10770	-.00490	-.02380	.00700
.151	8.044	3.92030	.09900	.02590	.02120	-.14550	-.00580	-.03030	.00920
.149	9.983	3.91550	.09690	.02420	.01760	-.17630	-.00770	-.03550	.01120
.150	12.020	3.91090	.10120	.02470	.01370	-.20340	-.01170	-.03900	.01410
	GRADIENT	-.00089	.00146	-.00107	-.00181	-.01703	-.00052	-.00352	.00101

RUN NO. 474/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.061	3.94100	.10320	.02160	.02070	.18860	.00820	.03440	-.04550
.300	-10.058	3.94540	.10310	.02200	.02210	.16550	.00360	.03110	-.03440
.300	-8.064	3.94910	.10420	.02280	.02380	.13420	.00190	.02610	-.02640
.299	-6.091	3.95330	.10470	.02460	.02730	.10380	.00030	.02000	-.01840
.299	-3.987	3.95490	.08990	.02620	.04300	.06600	-.00030	.01210	-.01080
.300	-3.057	3.95280	.09300	.02770	.03930	.04790	-.00040	.00800	-.00740
.300	-2.008	3.95060	.09590	.03000	.03640	.02930	-.00070	.00400	-.00380
.300	-.980	3.95140	.09550	.03130	.03680	.01280	-.00140	.00100	.00030
.300	-.016	3.95110	.09660	.03160	.03650	-.00540	-.00120	-.00170	.00300
.300	.846	3.95800	.10130	.03160	.03250	-.01880	-.00210	-.00390	.00670
.300	1.984	3.95670	.10220	.03010	.03070	-.03940	-.00230	-.00830	.01070
.300	3.040	3.95480	.10440	.02910	.02810	-.05830	-.00280	-.01260	.01470
.299	4.047	3.95170	.10580	.02810	.02520	-.07710	-.00290	-.01660	.01810
.299	6.004	3.94600	.10800	.02570	.01960	-.11280	-.00280	-.02380	.02420
.299	8.025	3.94140	.10360	.02330	.01700	-.14710	-.00390	-.03040	.03190
.301	10.096	3.93650	.10200	.02160	.01380	-.17810	-.00650	-.03540	.04160
.299	12.051	3.92760	.10710	.02180	.00610	-.20470	-.01060	-.03850	.05210
	GRADIENT	-.00146	.00192	.00020	-.00200	-.01760	-.00036	-.00342	.00361

CAS ORB TC5 AT38.3 (PRES. KI FO H15.6 V9.1)

(AGM113) (20 JAN 75)

REFERENCE DATA

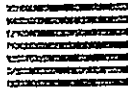
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 473/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.109	3.97190	.12000	.02440	.02190	.18770	.01020	.03340	-.12080
.499	-10.124	3.97670	.11770	.02350	.02340	.16790	.00360	.03130	-.08710
.499	-8.102	3.97880	.11830	.02400	.02300	.13820	.00140	.02640	-.06490
.499	-6.047	3.98610	.11440	.02560	.02690	.10550	-.00040	.02020	-.04370
.500	-4.071	4.00350	.10440	.02670	.03850	.06980	-.00100	.01280	-.02580
.500	-3.074	3.99950	.10750	.02890	.03550	.05000	-.00100	.00840	-.01730
.500	-1.993	3.99840	.10810	.03090	.03470	.02860	-.00060	.00400	-.00890
.501	-1.038	3.99860	.10760	.03150	.03470	.01290	-.00120	.00130	-.00040
.501	-.019	3.99710	.10870	.03200	.03400	-.00840	-.00070	-.00180	.00630
.501	1.000	3.99620	.11380	.03230	.03150	-.02450	-.00140	-.00420	.01620
.501	2.026	3.99090	.11520	.03080	.02950	-.04310	-.00140	-.00850	.02440
.501	2.954	3.98700	.11750	.02970	.02680	-.06230	-.00130	-.01270	.03230
.501	4.071	3.98280	.12040	.02880	.02290	-.08160	-.00160	-.01700	.04210
.501	5.968	3.96840	.12430	.02740	.01580	-.11580	-.00160	-.02410	.05730
.501	7.954	3.95480	.12190	.02580	.01420	-.14920	-.00340	-.03020	.07870
.501	9.083	3.95050	.11920	.02480	.01430	-.16410	-.00550	-.03270	.09360
.501	10.191	3.95060	.11940	.02620	.01360	-.17180	-.01020	-.03360	.11560
.500	12.119	3.94990	.12720	.02630	.00760	-.20220	-.01180	-.03750	.13410
	GRADIENT	-.00227	.00188	.00019	-.00168	-.01850	-.00008	-.00351	.00829



CA5 ORB TC5 AT38.3 (PRES. K1 FO H15.6 V9.1)

(AGM113) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 472/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.195	3.99410	.14030	.02940	.02140	.18950	.01070	.03190	-.16560
.600	-10.166	3.99870	.13550	.02780	.02180	.16750	.00490	.02960	-.12230
.599	-8.074	3.99870	.13290	.02770	.02150	.14020	.00090	.02600	-.08530
.600	-6.009	4.00830	.12760	.02830	.02690	.10850	-.00160	.02000	-.05380
.600	-4.014	4.02270	.12140	.02970	.03310	.07160	-.00200	.01280	-.03040
.600	-3.007	4.01810	.12170	.03150	.03190	.05070	-.00150	.00820	-.02050
.599	-1.995	4.01900	.12100	.03320	.03130	.03010	-.00100	.00380	-.01100
.600	-1.043	4.02040	.11820	.03320	.03220	.01340	-.00130	.00120	-.00010
.600	-.027	4.01950	.11710	.03340	.03300	-.00740	-.00020	-.00160	.00550
.600	1.016	4.01350	.12410	.03430	.02950	-.02590	-.00060	-.00430	.01810
.600	2.016	4.01280	.12490	.03260	.02900	-.04480	-.00040	-.00840	.02820
.600	3.016	4.00990	.12730	.03120	.02650	-.06620	-.00010	-.01320	.03870
.600	4.086	4.00120	.13110	.03070	.02200	-.08530	-.00030	-.01740	.05110
.599	6.075	3.98400	.13720	.03040	.01500	-.12040	-.00090	-.02430	.07490
.600	8.113	3.98140	.13510	.02940	.01430	-.15090	-.00350	-.02980	.10640
.600	10.256	3.97320	.13640	.03120	.01110	-.16990	-.01150	-.03190	.15970
.600	12.264	3.95660	.15090	.03190	.00150	-.20460	-.01220	-.03590	.18280
	GRADIENT	-.00216	.00115	.00005	-.00113	-.01928	.00021	-.00355	.00991

RUN NO. 471/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.701	-12.255	4.01160	.16580	.03970	.01850	.18840	.01160	.02990	-.21220
.701	-10.158	4.00810	.16490	.03660	.01670	.16790	.00540	.02770	-.15570
.700	-8.103	4.01330	.15850	.03510	.01910	.14190	.00080	.02460	-.10680
.699	-6.099	4.02790	.15050	.03390	.02530	.11450	-.00310	.02040	-.06090
.700	-4.018	4.03790	.14280	.03440	.02950	.07380	-.00260	.01240	-.03510
.701	-2.989	4.03570	.14070	.03560	.02890	.05200	-.00200	.00780	-.02290
.701	-2.069	4.02670	.14500	.03650	.02510	.03140	-.00080	.00370	-.01610
.700	-1.016	4.03190	.13700	.03740	.02800	.01330	-.00110	.00080	-.00110
.699	.020	4.03080	.13700	.03770	.02760	-.01150	.00060	-.00200	.00390
.700	1.045	4.02610	.14250	.03830	.02600	-.02750	.00010	-.00420	.01880
.699	1.961	4.03210	.14230	.03680	.02740	-.04600	.00060	-.00830	.02880
.700	3.017	4.03110	.14480	.03540	.02660	-.06780	.00140	-.01310	.03990
.700	4.021	4.01890	.14910	.03540	.02250	-.08700	.00120	-.01730	.05490
.699	6.099	4.00280	.15750	.03640	.01600	-.12120	-.00060	-.02360	.09190
.699	8.074	3.99290	.16430	.03760	.01130	-.15110	-.00320	-.02800	.13000
.700	10.156	3.97750	.17020	.04010	.00510	-.17560	-.00870	-.03080	.18460
.700	12.256	3.95650	.17470	.04170	-.00240	-.20320	-.01270	-.03450	.23030
	GRADIENT	-.00140	.00062	.00001	-.00053	-.01987	.00049	-.00349	.01092

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CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.8 V9.1)

(AGM114) (20 JAN 75)

REFERENCE DATA

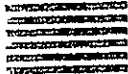
SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 484/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.149	-12.003	7.82470	.20310	.04570	.03220	.17090	-.00240	.03790	- .00790
.151	-9.995	7.82440	.20240	.04630	.03360	.14330	-.00340	.03310	- .00620
.149	-7.994	7.82690	.20310	.04870	.04020	.11570	-.00210	.02710	- .00530
.150	-6.007	7.82970	.20420	.05060	.04410	.08510	-.00140	.01950	- .00400
.149	-5.031	7.83070	.20260	.05180	.04720	.07190	- .00110	.01570	- .00330
.150	-4.013	7.83030	.20310	.05250	.05170	.05690	-.00150	.01170	- .00230
.150	-2.075	7.82880	.20260	.05540	.04980	.02840	-.00080	.00360	- .00100
.150	-.953	7.82870	.19970	.05710	.05110	.01120	-.00130	.00010	.00010
.151	.072	7.82820	.20350	.05800	.05060	-.00330	-.00120	-.00270	.00080
.150	1.028	7.82780	.20920	.05810	.04730	-.01650	-.00180	-.00540	.00170
.149	1.616	7.82860	.21140	.05770	.04410	-.02840	-.00210	-.00830	.00250
.151	1.997	7.82640	.21320	.05720	.04430	-.03340	-.00200	-.00940	.00280
.151	3.029	7.82650	.21380	.05650	.04110	-.04900	-.00220	-.01380	.00370
.149	3.950	7.82520	.21570	.05610	.03910	-.06290	-.00290	-.01760	.00470
.151	6.020	7.82360	.21200	.05350	.03390	-.09600	- .00180	-.02630	.00620
.150	7.994	7.82190	.20720	.05120	.03220	-.12940	-.00230	-.03360	.00800
.150	10.051	7.82040	.20590	.04930	.02770	-.15620	- .00330	-.03970	.00990
.151	12.039	7.81720	.21310	.04990	.01910	-.18060	-.00650	-.04460	.01260
	GRADIENT	-.00056	.00201	.00041	-.00166	-.01508	-.00020	-.00355	.00089



CA5 ORB TC5 AT38.3 (PRES. KI FO H15.6 V9.1)

(AOM114) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109 0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 TORB = 4.000

RUN NO. 479/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.047	7.84630	.21060	.03280	.02900	.16730	.00280	.03870	- 03840
.300	-10.051	7.84820	.21110	.03300	.03180	.14580	-.00120	.03450	-.02800
.300	-8.102	7.85110	.21150	.03450	.03300	.11760	-.00070	.02860	-.02320
.300	-5.971	7.85340	.21390	.03690	.03430	.08500	- 00080	.02080	- 01640
.300	-4.118	7.85930	.20750	.03820	.04360	.05700	- 00080	.01290	-.01030
.301	-2.987	7.85790	.20770	.03990	.04380	.03890	-.00070	.00790	- 00660
.301	-1.994	7.85660	.20820	.04150	.04410	.02510	- 00070	.00410	-.00360
.300	-.980	7.85680	.20600	.04260	.04530	.01050	-.00130	.00090	.00040
.299	.026	7.85560	.20860	.04320	.04480	-.00640	-.00100	-.00220	.00300
.300	1 054	7.85540	.21260	.04300	.04040	- 02200	- 00160	- 00530	.00710
.301	2 005	7 85460	.21440	.04220	.03840	- 03640	- 00160	-.00930	.01020
.300	3.081	7.85140	.21610	.04140	.03630	-.05350	-.00170	-.01380	.01390
.301	4.025	7.85010	.21880	.04090	.03240	-.06830	-.00180	-.01780	.01720
.300	6 071	7.84560	.21830	.03840	.02770	- 10270	- 00030	- 02610	.02180
.299	8.055	7.84010	.21340	.03570	.02590	-.13280	-.00010	-.03350	.02760
.300	10.015	7.83890	.21140	.03440	.02350	-.15680	-.00280	-.03860	.03690
.300	12.071	7.83100	.22000	.03450	.01120	- 18350	-.00430	- 04390	.04440
GRADIENT		-.00101	.00146	.00029	-.00137	-.01536	- 00015	- 00363	.00338

RUN NO. 478/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12 083	7.90430	.22890	.03410	.03220	.16590	.00470	.03820	-.10290
.501	-10 037	7.90840	.22760	.03250	.03380	.15080	-.00180	.03480	- 06960
.499	-8 064	7.90810	.22760	.03390	.03290	.12050	-.00170	.02890	- 05510
.500	-6.064	7 91240	.22580	.03540	.03520	.08990	-.00160	.02150	- 03990
.500	-4 077	7.92310	.22070	.03680	.04270	.06030	-.00150	.01330	-.02450
.500	-2 989	7.92210	.22170	.03660	.04240	.04200	- 00110	.00820	- 01590
.500	-1 999	7 92150	.22050	.03990	.04290	.02570	-.00100	.00410	- 00800
.500	-.973	7.92300	.21820	.04030	.04430	.01090	- 00120	.00100	.00020
.501	.042	7.92260	.21950	.04080	.04370	-.00780	-.00040	-.00200	.00550
.500	1.027	7.91850	.22460	.04130	.04050	- 02250	-.00080	-.00490	.01470
.500	2 030	7.91340	.22760	.04030	.03810	-.03960	-.00040	-.00950	.02210
.500	2.999	7.91180	.22930	.03970	.03540	-.05500	-.00020	-.01360	.02910
.500	4 073	7 90320	.23290	.03910	.03110	-.07160	-.00020	-.01820	.03830
.500	6.085	7 89470	.23530	.03770	.02470	-.10510	.00100	-.02670	.05080
.501	8.067	7.89300	.22900	.03550	.02520	-.13380	.00050	-.03370	.06780
.500	10.158	7 88900	.22670	.03550	.02520	-.15430	-.00430	-.03840	.09700
.500	12.197	7 87800	.23820	.03730	.01510	-.17970	- 00590	-.04340	.11610
GRADIENT		- 00216	.00153	.00024	-.00133	- 01621	.00016	-.00370	.00760

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB TC5 AT38.3 (PRES. KI FO H15.6 VS.1)

(AGM114) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 477/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.221	7.93920	.24740	.03980	.03230	.16440	.00610	.03730	-.14430
.600	-10.121	7.94310	.24520	.03740	.03410	.15050	-.00060	.03390	-.09860
.600	-8.052	7.94070	.24400	.03790	.03210	.12240	-.00240	.02870	-.07060
.601	-6.032	7.94810	.24150	.03860	.03540	.09320	-.00260	.02160	-.04980
.600	-4.039	7.95660	.23540	.03910	.04070	.06270	-.00250	.01330	-.02870
.601	-2.992	7.95480	.23660	.04080	.04000	.04420	-.00190	.00830	-.01870
.600	-2.015	7.95430	.23500	.04210	.04040	.02750	-.00120	.00410	-.01060
.600	-1.050	7.95660	.23140	.04190	.04180	.01290	-.00130	.00120	-.00070
.600	-.050	7.95790	.22990	.04200	.04290	-.00600	.00010	-.00170	.00400
.601	1.020	7.94930	.23770	.04340	.03870	-.02330	.00000	-.00480	.01540
.600	2.067	7.94950	.23950	.04210	.03750	-.04110	.00060	-.00940	.02470
.600	3.059	7.94520	.24210	.04120	.03500	-.05790	.00110	-.01390	.03390
.601	4.086	7.93750	.24580	.04100	.03070	-.07430	.00140	-.01840	.04430
.600	5.994	7.92520	.24990	.04100	.02460	-.10430	.00170	-.02620	.06350
.601	8.109	7.92550	.24450	.03910	.02620	-.13440	.00080	-.03350	.08940
.600	10.102	7.92260	.24360	.04090	.02550	-.15050	-.00510	-.03700	.13140
.601	12.166	7.90370	.25960	.04330	.01400	-.17840	-.00610	-.04230	.15520
	GRADIENT	-.00202	.00122	.00017	-.00106	-.01690	.00048	-.00372	.00882

RUN NO. 476/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-12.194	7.97440	.27160	.05320	.03380	.16840	.00590	.03510	-.17960
.699	-10.115	7.97150	.27190	.04890	.03160	.15090	.00020	.03230	-.12740
.700	-8.166	7.97020	.27000	.04720	.03100	.12790	-.00300	.02820	-.08770
.699	-6.158	7.98230	.26460	.04580	.03500	.09880	-.00380	.02200	-.05840
.700	-4.028	7.98780	.25880	.04520	.03650	.06590	-.00340	.01310	-.03160
.699	-3.035	7.98450	.25790	.04580	.03760	.04810	-.00270	.00850	-.02060
.700	-2.088	7.97880	.26080	.04870	.03510	.02910	-.00110	.00410	-.01470
.700	-.961	7.98600	.25100	.04650	.03930	.01200	-.00100	.00070	-.00160
.700	-.010	7.98630	.25010	.04680	.03970	-.00760	.00070	-.00190	.00170
.700	.963	7.97850	.25870	.04860	.03540	-.02300	.00080	-.00450	.01330
.700	1.997	7.98160	.25960	.04710	.03650	-.04240	.00190	-.00940	.02340
.700	3.079	7.97930	.26270	.04660	.03510	-.06150	.00290	-.01430	.03310
.700	4.037	7.97170	.26550	.04710	.03180	-.07790	.00350	-.01870	.04370
.700	6.112	7.96180	.27190	.04870	.02670	-.10600	.00220	-.02610	.07750
.699	8.148	7.95480	.27300	.04960	.02530	-.13590	.00140	-.03260	.10750
.700	10.137	7.94720	.27550	.05250	.02240	-.15720	-.00280	-.03610	.15240
.700	12.166	7.92720	.28140	.05540	.01360	-.18010	-.00560	-.04050	.19000
	GRADIENT	-.00134	.00076	.00014	-.00058	-.01782	.00086	-.00375	.00912

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM115) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 483/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.002	9.79490	.26820	.04350	.03690	.15570	-.00040	.04100	-.03460
.300	-10.084	9.79800	.27060	.04460	.03680	.13840	- 00300	.03670	- 02660
.300	-8 017	9.79790	.27150	.04670	.03730	.10990	- 00260	.03000	- 02090
.300	-6 103	9.80250	.27280	.04900	.03940	.08170	-.00120	.02230	- 01670
.300	-4.034	9.80600	.26920	.05030	.04790	.05270	-.00130	.01290	- 00950
.300	-3.042	9.80740	.27000	.05170	.04860	.03800	-.00100	.00830	- 00650
.300	-2.063	9.80700	.26870	.05310	.04900	.02550	-.00100	.00430	- 00360
.300	-1 029	9 80660	.26710	.05440	.05010	.01120	- 00110	.00110	- 00020
.301	-.051	9.80470	.26950	.05510	.04970	-.00450	- 00060	-.00190	.00220
.300	.997	9.80190	.27470	.05510	.04530	-.01920	-.00100	-.00520	.00600
.300	2.003	9.80070	.27670	.05460	.04340	-.03430	-.00070	-.00950	.00900
.300	3.093	9.79940	.27780	.05380	.04130	-.04990	-.00070	-.01440	.01270
.300	4.016	9.79990	.27790	.05280	.03880	-.06350	-.00010	- 01840	.01500
.299	6 041	9.79390	.27830	.05090	.03270	-.09330	.00100	- 02730	.02010
.301	8.038	9.78960	.27250	.04770	.03130	-.12390	.00260	-.03540	.02460
.301	10.123	9.78920	.26970	.04560	.02940	-.14730	.00000	- 04120	.03400
.300	12.086	9.78270	.27810	.04640	.01760	-.17310	-.00020	-.04670	.03960
	GRADIENT	-.00108	.00135	.00033	-.00123	-.01445	.00010	- 00374	.00308

RUN NO. 482/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.130	9.86570	.28960	.04390	.03990	.15690	.00160	.04130	-.03480
.500	-10.079	9.86250	.28810	.04290	.03950	.14130	-.00420	.03780	- 06320
.500	-8.046	9.86540	.28710	.04460	.03680	.11200	-.00340	.03070	- 05050
.500	-6.070	9.87190	.28490	.04600	.04110	.08300	-.00200	.02290	- 03950
.500	-3.991	9.87910	.28250	.04730	.04780	.05510	-.00210	.01340	- 02210
.501	-3.022	9.88390	.28360	.04880	.04800	.04060	-.00170	.00860	-.01450
.500	-2.151	9.87860	.28240	.05000	.04830	.02670	-.00130	.00480	- 00840
.500	-1.036	9.88270	.27970	.05050	.05030	.01100	-.00110	.00120	-.00050
.501	.013	9.88390	.28140	.05130	.04930	-.00690	-.00010	-.00200	.00440
.500	1.052	9.87890	.28690	.05190	.04570	-.02160	-.00030	-.00520	.01280
.499	1.999	9.87380	.28840	.05080	.04350	-.03620	.00040	-.00950	.01880
.501	3.044	9.87280	.29100	.05030	.04070	-.05220	.00090	-.01430	.02650
.500	3.957	9.86820	.29170	.04960	.03800	-.06630	.00140	- 01860	.03260
.499	6.040	9.85810	.29360	.04880	.03090	-.09520	.00200	-.02800	.04750
.500	8.052	9.85390	.28830	.04620	.03110	-.12570	.00330	-.03620	.06000
.501	10 066	9 85540	.28560	.04580	.03280	-.14340	-.00120	- 04120	.08820
.500	12 080	9.84460	.29680	.04720	.02340	-.16900	-.00180	-.04670	.10360
	GRADIENT	-.00149	.00130	.00028	-.00125	-.01528	.00043	-.00383	.00678

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM115) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 4.000

RUN NO. 481/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.127	9.91520	.30610	.05070	.04170	.15640	.00170	.04060	- 12670
.600	-10.083	9.90980	.30610	.04830	.03910	.14090	-.00330	.03690	- 08850
.599	-8.032	9.90950	.30260	.04900	.03880	.11410	-.00420	.03110	- .06480
.600	-6.022	9.91750	.29920	.04930	.04220	.08530	-.00340	.02300	- .04700
.601	-4.008	9.92570	.29600	.04960	.04670	.05670	-.00330	.01380	- .02530
.600	-3.024	9.92210	.29670	.05100	.04640	.04260	-.00260	.00890	- .01630
.600	-2.021	9.92260	.29570	.05250	.04700	.02620	-.00150	.00430	- 00920
.600	-1.036	9.92810	.29090	.05190	.04940	.01190	-.00120	.00110	- .00050
.600	.012	9.92470	.29140	.05260	.04890	-.00680	.00030	-.00200	.00370
.600	1.081	9.91840	.29970	.05410	.04480	-.02290	.00060	-.00540	.01370
.600	1.966	9.91700	.30010	.05280	.04400	-.03690	.00130	-.00950	.02070
.599	4.045	9.90460	.30470	.05180	.03770	-.06980	.00290	-.01930	.03800
.600	6.046	9.89440	.30790	.05220	.03190	-.09610	.00280	-.02830	.06040
.600	8.084	9.89620	.30380	.05000	.03370	-.12640	.00390	-.03640	.07780
.599	10.138	9.89250	.30400	.05160	.03330	-.14170	-.00180	-.04060	.11970
.600	11.837	9.87810	.31850	.05390	.02400	-.16610	-.00200	-.04510	.13720
.600	12.095	9.87610	.32080	.05440	.02220	-.16780	-.00220	-.04550	.13980
	GRADIENT	-.00220	.00106	.00029	-.00098	-.01595	.00077	-.00390	.00767

RUN NO. 480/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.199	9.95400	.33240	.06650	.03800	.16610	.00130	.03710	- .15790
.699	-10.247	9.94860	.33210	.06350	.03760	.14480	-.00240	.03350	- .11540
.700	-8.064	9.95280	.32260	.06010	.04010	.11790	-.00510	.02960	- .07600
.699	-6.077	9.96570	.31780	.05810	.04490	.09360	-.00610	.02320	- .04620
.700	-4.037	9.96890	.31570	.05700	.04660	.06350	-.00460	.01380	- .02610
.700	-3.121	9.96710	.31550	.05740	.04590	.04760	-.00360	.00930	- .01710
.700	-2.037	9.95970	.31960	.06110	.04240	.02650	-.00140	.00390	- .01210
.700	-.997	9.97140	.30860	.05840	.04760	.01140	-.00090	.00060	- .00210
.700	.037	9.96910	.30870	.05910	.04690	-.00820	.00110	-.00210	.00070
.699	1.023	9.96140	.31690	.06090	.04280	-.02320	.00150	-.00520	.01110
.700	2.054	9.96480	.31720	.05950	.04410	-.04050	.00280	-.00980	.01840
.700	3.029	9.96290	.31870	.05870	.04330	-.05840	.00440	-.01470	.02510
.700	4.000	9.95480	.32160	.05960	.03980	-.07420	.00540	-.01940	.03400
.699	6.052	9.94600	.32510	.06130	.03650	-.09880	.00440	-.02760	.06630
.700	8.096	9.94380	.32790	.06290	.03480	-.12910	.00480	-.03400	.09060
.699	10.219	9.92900	.33390	.06750	.02960	-.15020	.00000	-.03730	.13910
.701	12.159	9.91980	.33340	.07100	.02520	-.17720	-.00010	-.04170	.16280
	GRADIENT	-.00112	.00059	.00022	-.00059	-.01706	.00123	-.00391	.00725

CAS ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM116) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 488/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	.150	-.03010	-.00460	.03230	.02360	-.00410	-.00120	-.00130	.00260
.299	.766	-.02990	.01810	.03190	.02660	-.00430	-.00130	-.00150	.00280
.300	1.530	-.03010	.03770	.03170	.02900	-.00380	-.00120	-.00150	.00260
.301	2.000	-.03010	.05040	.03200	.03050	-.00410	-.00110	-.00170	.00260
.300	2.473	-.02330	.06160	.03190	.03210	-.00400	-.00110	-.00170	.00240
.301	3.399	-.03040	.08480	.03250	.03430	-.00390	-.00100	-.00180	.00230
.299	4.185	-.03040	.10640	.03360	.03600	-.00380	-.00090	-.00180	.00230
.300	5.109	-.02350	.13160	.03530	.03770	-.00360	-.00090	-.00190	.00230
.300	5.896	-.03060	.15380	.03750	.03960	-.00350	-.00080	-.00190	.00210
.299	6.819	-.03060	.17910	.04020	.04120	-.00340	-.00070	-.00200	.00210
.300	7.739	-.03070	.20690	.04400	.04340	-.00360	-.00060	-.00210	.00200
.300	8.426	-.02390	.22750	.04750	.04500	-.00350	-.00050	-.00210	.00190
.299	9.327	-.03090	.25520	.05270	.04760	-.00380	-.00040	-.00210	.00180
.300	10.125	-.02420	.27930	.05780	.04960	-.00370	-.00030	-.00200	.00160
.299	11.093	-.02440	.30570	.06430	.05200	-.00320	-.00020	-.00200	.00140
.300	12.053	-.03140	.33090	.07150	.05490	-.00300	-.00010	-.00200	.00130
.299	12.834	-.03170	.34980	.07800	.05800	-.00280	.00010	-.00200	.00110
.299	13.780	-.03170	.36540	.08540	.06350	-.00310	.00020	-.00200	.00100
.300	14.629	-.02480	.37750	.09200	.06910	-.00330	.00020	-.00190	.00100
.300	15.543	-.02490	.38840	.09910	.07500	-.00300	.00030	-.00210	.00090
.300	16.505	-.02500	.39560	.10570	.08230	-.00320	.00040	-.00210	.00080
.299	17.245	-.01830	.39850	.11070	.08840	-.00350	.00060	-.00190	.00060
.300	17.587	-.02520	.39850	.11280	.09170	-.00410	.00070	-.00210	.00060
GRADIENT		.00013	.02552	.00028	.00289	.00008	.00008	-.00012	-.00011

CA5 ORB TC5 AT38.3 (PRES. KI FO H15.8 V9.1)

(AOM116) (20 JAN 75)

REFERENCE DATA

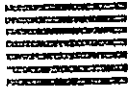
SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 TORB = 4.000

RUN NO. 487/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-.144	-.01970	.00340	.03540	.02300	-.00670	-.00090	-.00130	.00600
.501	.779	-.02000	.02530	.03410	.02560	-.00670	-.00080	-.00140	.00570
.500	1.573	-.02700	.04720	.03330	.02760	-.00660	-.00080	-.00150	.00570
.499	1.966	-.02720	.05740	.03280	.02890	-.00650	-.00070	-.00150	.00550
.500	2.509	-.02720	.07150	.03270	.03050	-.00650	-.00070	-.00160	.00550
.500	3.442	-.02760	.09510	.03280	.03290	-.00640	-.00060	-.00160	.00510
.500	4.273	-.02770	.11720	.03330	.03470	-.00650	-.00050	-.00170	.00500
.500	5.221	-.02800	.14300	.03460	.03670	-.00650	-.00040	-.00180	.00480
.501	5.998	-.02120	.16400	.03600	.03860	-.00610	-.00040	-.00180	.00460
.500	6.923	-.02120	.19060	.03840	.04100	-.00620	-.00030	-.00180	.00460
.501	7.844	-.02160	.21800	.04170	.04330	-.00630	-.00020	-.00190	.00420
.501	8.848	-.00800	.24310	.04530	.04560	-.00600	-.00010	-.00190	.00400
.499	9.554	-.02900	.27150	.05020	.04810	-.00590	.00000	-.00190	.00370
.500	10.340	-.02220	.29390	.05490	.05050	-.00590	.00000	-.00200	.00360
.499	11.328	-.02250	.31770	.06110	.05440	-.00550	.00010	-.00200	.00330
.500	12.269	-.02270	.33600	.06730	.05870	-.00590	.00030	-.00210	.00310
.500	13.055	-.02320	.35020	.07290	.06360	-.00580	.00040	-.00200	.00260
.500	14.026	-.03040	.36500	.07990	.07060	-.00590	.00050	-.00190	.00240
.501	14.851	-.02360	.37410	.08530	.07760	-.00600	.00050	-.00190	.00220
.500	15.806	-.03770	.38160	.09120	.08600	-.00620	.00070	-.00200	.00190
.501	16.764	-.03110	.38650	.09670	.09580	-.00710	.00090	-.00220	.00170
.499	17.550	-.03150	.39020	.10140	.10460	-.00820	.00120	-.00230	.00130
.500	17.758	-.03170	.39180	.10300	.10690	-.00810	.00120	-.00200	.00100
	GRADIENT	-.00200	.02579	-.00048	.00269	.00006	.00009	-.00009	-.00023



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 339

CA5 ORB TC5 AT38.3 (PRES. KI FO H18.6 V9.1)

(AGM116) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 486/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-.761	-.02660	-.00330	.03880	.02010	-.00780	-.00040	-.00140	.00610
.600	.213	-.02000	.01950	.03670	.02260	-.00770	-.00030	-.00140	.00580
.600	1.121	-.01990	.04300	.03530	.02500	-.00770	-.00030	-.00150	.00590
.600	2.040	-.02030	.06790	.03440	.02740	-.00750	-.00020	-.00160	.00540
.600	2.827	-.02050	.08780	.03410	.02950	-.00750	-.00020	-.00160	.00530
.600	3.634	-.02750	.10860	.03410	.03160	-.00750	-.00010	-.00170	.00520
.600	4.558	-.02080	.13270	.03480	.03360	-.00760	-.00010	-.00180	.00500
.600	5.523	-.02090	.15880	.03610	.03610	-.00730	.00000	-.00180	.00490
.600	6.317	-.02810	.18170	.03780	.03800	-.00720	.00000	-.00180	.00460
.600	7.251	-.02840	.21030	.04070	.04020	-.00710	.00010	-.00190	.00430
.600	8.084	-.03560	.23540	.04390	.04250	-.00700	.00020	-.00190	.00400
.600	8.963	-.02900	.26250	.04810	.04510	-.00670	.00030	-.00190	.00370
.600	9.876	-.02250	.28910	.05310	.04850	-.00650	.00040	-.00200	.00330
.600	10.651	-.02970	.30800	.05780	.05170	-.00630	.00040	-.00200	.00310
.599	11.660	-.02970	.32880	.06420	.05680	-.00640	.00050	-.00220	.00310
.599	12.535	-.03000	.34480	.07030	.06240	-.00670	.00070	-.00230	.00270
.599	13.472	-.03080	.35820	.07660	.06990	-.00710	.00080	-.00210	.00190
.600	14.426	-.03180	.37070	.08330	.07840	-.00720	.00100	-.00190	.00090
.600	15.164	-.03230	.37900	.08830	.08590	-.00750	.00110	-.00160	.00040
.601	16.146	-.03270	.38940	.09550	.09520	-.00770	.00120	-.00140	.00000
.601	17.025	-.03370	.40020	.10280	.10600	-.00860	.00150	-.00130	-.00110
.600	17.849	-.03380	.41120	.11050	.11420	-.00870	.00140	-.00110	-.00120
GRADIENT		.00012	.02575	-.00076	.00257	.00005	.00005	-.00008	-.00020

CAS ORB TC5 AT38.3 (PRES. KI FO H15.8 V9.1)

(AGM116) (20 JAN 75)

REFERENCE DATA

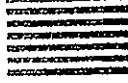
SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 SI-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO 485/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-.750	-.01330	.00910	.04290	.01770	-.00930	.00000	-.00140	.00550
.700	.231	-.00700	.03270	.04060	.01990	-.00920	.00010	-.00150	.00500
.700	1.118	-.00730	.05620	.03910	.02220	-.00920	.00020	-.00160	.00460
.700	2.043	-.01460	.08170	.03810	.02470	-.00910	.00030	-.00160	.00420
.700	2.818	-.00800	.10100	.03770	.02670	-.00900	.00030	-.00170	.00390
.699	3.685	-.00820	.12390	.03770	.02850	-.00910	.00040	-.00180	.00380
.700	4.629	-.00890	.15070	.03870	.03060	-.00930	.00060	-.00180	.00310
.700	5.575	-.00890	.17740	.04000	.03300	-.00890	.00060	-.00180	.00310
.700	6.316	-.00930	.19900	.04170	.03500	-.00890	.00070	-.00190	.00260
.700	7.251	-.01650	.22730	.04470	.03740	-.00870	.00070	-.00190	.00230
.700	8.086	-.02380	.25270	.04820	.03980	-.00830	.00080	-.00200	.00200
.700	8.942	-.03790	.27860	.05290	.04280	-.00810	.00080	-.00190	.00170
.700	9.851	-.03860	.30360	.05870	.04690	-.00790	.00100	-.00200	.00110
.701	10.505	-.03870	.31930	.06360	.05000	-.00790	.00100	-.00210	.00090
.700	11.505	-.03290	.33780	.07100	.05620	-.00790	.00120	-.00220	-.00030
.700	12.401	-.03420	.35480	.07950	.06150	-.00770	.00140	-.00200	-.00150
.700	13.129	-.03530	.36700	.08660	.06670	-.00790	.00160	-.00190	-.00270
.701	14.110	-.03710	.38300	.09720	.07500	-.00850	.00190	-.00130	-.00460
.701	14.925	-.03860	.39650	.10690	.08160	-.00900	.00210	-.00120	-.00610
.700	15.890	-.03870	.41130	.11840	.09100	-.00910	.00220	-.00120	-.00620
.700	16.878	-.03190	.42590	.13050	.10260	-.00920	.00220	-.00100	-.00640
.700	17.673	-.03030	.43730	.14080	.11230	-.00920	.00200	-.00100	-.00480
.700	17.998	-.02980	.44180	.14510	.11600	-.00920	.00180	-.00080	-.00420
	GRADIENT	.00040	.02635	-.00081	.00244	.00002	.00010	-.00008	-.00042



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.3 (PRES. KI FO H15.6 V9.1)

(A0M117) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 493/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.149	-.816	-.03850	-.02760	.02030	.02620	-.00640	-.00200	-.00140	.00110
.151	.206	-.02470	-.00560	.02120	.02910	-.00620	-.00190	-.00140	.00110
.149	1.088	-.03160	.01680	.02520	.03320	-.00610	-.00190	-.00160	.00110
.151	1.926	-.03860	.04050	.02920	.03450	-.00430	-.00180	-.00180	.00100
.151	2.805	-.03860	.06160	.03100	.03750	-.00720	-.00160	-.00200	.00100
.151	3.656	-.03870	.08230	.03400	.04000	-.00560	-.00150	-.00210	.00090
.150	4.620	-.03860	.10890	.03780	.04270	-.00700	-.00150	-.00230	.00100
.150	5.575	-.03870	.13440	.04270	.04450	-.00540	-.00140	-.00240	.00090
.149	6.357	-.02500	.15600	.04720	.04650	-.00530	-.00120	-.00250	.00080
.149	7.254	-.02490	.18240	.05320	.04880	-.00670	-.00110	-.00260	.00090
.150	8.027	-.02500	.20340	.05870	.05050	-.00500	-.00110	-.00250	.00080
.150	8.916	-.02490	.23330	.06760	.05400	-.00630	-.00100	-.00260	.00090
.150	9.819	-.02490	.25850	.07670	.05660	-.00620	-.00100	-.00250	.00080
.150	10.636	-.02510	.28300	.08360	.05770	-.00620	-.00050	-.00230	.00070
.150	11.624	-.02510	.30570	.09160	.06060	-.00440	-.00060	-.00250	.00070
.149	12.436	-.03210	.33060	.10160	.06320	-.00590	-.00040	-.00240	.00060
.150	13.378	-.03910	.34840	.11090	.06750	-.00570	-.00020	-.00230	.00050
.150	14.314	-.02520	.37050	.12110	.07210	-.00690	-.00010	-.00240	.00060
.151	15.125	-.03200	.38000	.12930	.07760	-.00660	-.00030	-.00240	.00070
.151	16.062	-.02510	.39100	.13930	.08500	-.00640	-.00050	-.00220	.00070
.150	16.865	-.02500	.39560	.14900	.09180	-.00780	-.00060	-.00210	.00080
.149	17.545	-.02510	.39550	.15510	.09720	-.00780	-.00040	-.00200	.00070
GRADIENT		-.00136	.02527	.00336	.00303	-.00007	.00010	-.00018	-.00003

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM117) (20 JAN 75 }

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 492/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.301	-.789	-.02950	-.02020	.03250	.02200	-.00580	-.00140	-.00130	.00310
.299	.228	-.02260	.00330	.03100	.02490	-.00600	-.00140	-.00140	.00310
.299	1.109	-.02270	.02540	.03090	.02760	-.00630	-.00130	-.00160	.00310
.299	1.954	-.02990	.04740	.03110	.03060	-.00530	-.00120	-.00170	.00280
.300	2.844	-.02300	.06910	.03130	.03310	-.00550	-.00110	-.00180	.00280
.300	3.719	-.02310	.09160	.03200	.03530	-.00540	-.00100	-.00190	.00270
.299	4.662	-.03000	.11670	.03340	.03700	-.00530	-.00100	-.00190	.00270
.300	5.601	-.03010	.14380	.03570	.03890	-.00560	-.00090	-.00200	.00260
.300	6.388	-.03010	.16560	.03800	.04060	-.00540	-.00090	-.00200	.00260
.300	7.326	-.03030	.19320	.04150	.04300	-.00530	-.00070	-.00210	.00240
.300	8.084	-.03040	.21500	.04480	.04490	-.00520	-.00060	-.00220	.00230
.300	8.966	-.03050	.24200	.04970	.04710	-.00540	-.00050	-.00220	.00220
.300	9.873	-.02380	.27040	.05550	.04940	-.00490	-.00040	-.00210	.00190
.299	10.683	-.03780	.29300	.06060	.05160	-.00480	-.00030	-.00210	.00180
.301	11.655	-.03770	.31910	.06740	.05400	-.00540	-.00030	-.00210	.00190
.300	12.475	-.03800	.33990	.07400	.05680	-.00490	-.00010	-.00210	.00160
.299	13.444	-.03820	.35840	.08190	.06170	-.00470	.00000	-.00210	.00150
.300	14.369	-.02430	.37270	.08920	.06750	-.00530	.00010	-.00200	.00150
.300	15.236	-.02440	.38310	.09580	.07320	-.00510	.00020	-.00210	.00150
.299	16.195	-.02430	.39200	.10280	.07980	-.00520	.00020	-.00230	.00150
.300	16.963	-.03160	.39580	.10790	.08570	-.00510	.00040	-.00210	.00120
.301	17.610	-.03160	.39820	.11220	.09200	-.00560	.00050	-.00210	.00120
	GRADIENT	-.00008	.02517	.00020	.00284	.00014	.00009	-.00012	-.00009

CA5 ORB TC5 AT38.3 (PRES. KI FO H15.6 V9.1)

(AGM117) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 491/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.500	-.746	-.03320	-.01140	.03590	.02120	-.00710	-.00100	-.00120	.00640
.499	.227	-.03330	.01140	.03410	.02380	-.00710	-.00090	-.00140	.00630
.499	1.103	-.03350	.03400	.03290	.02650	-.00700	-.00080	-.00140	.00610
.499	1.988	-.03360	.05740	.03220	.02930	-.00710	-.00080	-.00150	.00600
.500	2.823	-.02680	.07820	.03180	.03110	-.00700	-.00070	-.00160	.00580
.499	3.621	-.02710	.08910	.03210	.03330	-.00690	-.00060	-.00180	.00560
.500	4.477	-.02730	.12380	.03280	.03530	-.00700	-.00060	-.00170	.00540
.500	5.491	-.02740	.14970	.03420	.03770	-.00700	-.00050	-.00180	.00530
.500	6.188	-.02760	.18540	.03580	.03920	-.00680	-.00040	-.00180	.00510
.500	7.105	-.02790	.19570	.03830	.04150	-.00660	-.00040	-.00190	.00490
.500	7.947	-.02800	.22050	.04140	.04370	-.00650	-.00030	-.00190	.00470
.499	8.780	-.02840	.24610	.04510	.04610	-.00650	-.00020	-.00200	.00440
.499	9.662	-.02180	.27380	.05000	.04870	-.00650	-.00010	-.00200	.00410
.499	10.414	-.02890	.29490	.05450	.05100	-.00630	.00000	-.00200	.00390
.499	11.391	-.02900	.31790	.06050	.05480	-.00610	.00010	-.00210	.00380
.500	12.297	-.02920	.33640	.06670	.05920	-.00620	.00020	-.00220	.00350
.500	13.150	-.02960	.35040	.07250	.06470	-.00660	.00030	-.00200	.00320
.499	14.094	-.03670	.36430	.07930	.07150	-.00650	.00040	-.00200	.00300
.499	14.864	-.02310	.37290	.08440	.07790	-.00610	.00040	-.00210	.00280
.500	15.821	-.03020	.38120	.09050	.08640	-.00660	.00050	-.00210	.00260
.500	16.750	-.03050	.38390	.09530	.09610	-.00710	.00080	-.00230	.00220
.499	17.618	-.02430	.38870	.10070	.10570	-.00850	.00110	-.00210	.00160
GRADIENT		.00149	.02563	-.00058	.00270	.00003	.00008	-.00009	-.00019

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V8.1)

(AGM117) (.20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 490/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	-.733	-.04010	-.00350	.03810	.02010	-.00780	-.00050	-.00140	.00640
.600	.228	-.03350	.01980	.03600	.02210	-.00790	-.00040	-.00150	.00610
.600	1.114	-.03360	.04240	.03460	.02510	-.00780	-.00040	-.00150	.00600
.601	2.014	-.03370	.06690	.03380	.02720	-.00780	-.00030	-.00160	.00590
.601	2.801	-.02700	.08650	.03340	.02950	-.00760	-.00030	-.00160	.00570
.600	3.594	-.03400	.10700	.03340	.03160	-.00760	-.00020	-.00170	.00560
.600	4.459	-.03420	.12980	.03400	.03350	-.00770	-.00010	-.00180	.00540
.600	5.411	-.03460	.15580	.03520	.03570	-.00760	-.00010	-.00180	.00510
.600	6.159	-.03450	.17730	.03680	.03770	-.00770	.00000	-.00180	.00510
.600	7.091	-.03490	.20480	.03940	.04000	-.00730	.00000	-.00190	.00470
.599	7.967	-.03520	.23110	.04250	.04220	-.00730	.00010	-.00190	.00450
.600	8.760	-.03550	.25620	.04620	.04460	-.00700	.00020	-.00190	.00420
.600	9.641	-.02890	.28210	.05090	.04800	-.00680	.00030	-.00200	.00390
.600	10.361	-.03590	.30170	.05540	.05060	-.00670	.00030	-.00210	.00380
.600	11.328	-.03590	.32180	.06130	.05520	-.00670	.00040	-.00210	.00380
.601	12.281	-.02960	.33980	.06760	.06070	-.00680	.00060	-.00220	.00320
.601	13.058	-.02990	.35220	.07300	.06660	-.00710	.00070	-.00230	.00280
.599	14.011	-.03100	.36440	.07950	.07470	-.00750	.00090	-.00190	.00180
.600	14.822	-.03150	.37420	.08510	.08230	-.00760	.00100	-.00190	.00130
.600	15.714	-.03920	.38400	.09130	.09200	-.00790	.00110	-.00150	.00040
.599	16.640	-.03270	.39370	.09850	.10140	-.00840	.00130	-.00160	-.00010
.599	17.444	-.03900	.40370	.10540	.10980	-.00820	.00120	-.00160	.00060
.599	17.890	-.03340	.40950	.10970	.11530	-.00910	.00150	-.00150	-.00070
	GRADIENT	.00100	.02577	-.00079	.00265	.00002	.00007	-.00007	-.00018

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TC5 AT38.3 (PRES. KI FO HIS.6 V9.1)

(AOM117) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936,6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-09 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 489/ 0 RN/L = 3.65 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-.732	-.02700	.00930	.04230	.01720	-.00920	.00000	-.00140	.00570
.701	.242	-.03460	.03300	.04020	.01950	-.00950	.00020	-.00150	.00500
.700	1.148	-.03530	.05680	.03860	.02190	-.00950	.00030	-.00160	.00430
.700	1.818	-.02830	.07500	.03780	.02380	-.00950	.00030	-.00170	.00440
.700	2.055	-.03530	.08170	.03760	.02420	-.00950	.00030	-.00160	.00430
.699	2.745	-.03560	.09930	.03720	.02600	-.00950	.00040	-.00170	.00400
.700	3.581	-.03580	.12180	.03730	.02770	-.00940	.00040	-.00170	.00380
.699	4.426	-.03590	.14490	.03770	.02980	-.00920	.00050	-.00180	.00370
.700	5.332	-.02940	.17100	.03900	.03220	-.00920	.00050	-.00180	.00330
.700	6.025	-.03640	.19140	.04050	.03380	-.00900	.00060	-.00190	.00320
.700	6.945	-.03000	.21880	.04320	.03620	-.00880	.00070	-.00190	.00270
.700	7.850	-.03730	.24580	.04660	.03910	-.00840	.00070	-.00200	.00230
.700	8.588	-.03080	.26850	.05040	.04120	-.00820	.00080	-.00200	.00190
.700	9.480	-.03120	.29380	.05550	.04490	-.00780	.00090	-.00200	.00150
.700	10.313	-.03160	.31530	.06160	.04880	-.00810	.00100	-.00210	.00110
.699	11.287	-.03240	.33430	.06870	.05430	-.00800	.00120	-.00220	.00030
.700	12.268	-.03350	.35170	.07730	.06080	-.00770	.00130	-.00190	-.00080
.700	12.949	-.04120	.36330	.08400	.06530	-.00780	.00150	-.00190	-.00170
.701	13.880	-.03640	.38000	.09430	.07280	-.00860	.00190	-.00180	-.00380
.701	14.781	-.04500	.39420	.10450	.08030	-.00880	.00210	-.00140	-.00560
.700	15.654	-.04610	.40830	.11520	.08820	-.00940	.00240	-.00140	-.00680
.700	16.602	-.03160	.42310	.12670	.09890	-.01000	.00240	-.00170	-.00610
.700	17.427	-.04440	.43490	.13710	.10970	-.00960	.00200	-.00100	-.00500
.701	18.010	-.04390	.44280	.14500	.11590	-.00990	.00190	-.00060	-.00450
	GRADIENT	-.00130	.02639	-.00090	.00245	.00001	.00008	-.00007	-.00037

CA5 ORB TC5 AT38.3 (PRES, K1 F0 H15.6 V9.1)

(A0M118) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

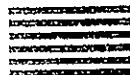
ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 10RB = 4.000

RUN NO. 498/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.149	-11.982	7.80830	.20020	.04540	.02910	.17020	- .00200	.03780	- .00800
.151	-10.009	7.80830	.19760	.04620	.03310	.14180	- .00250	.03290	- .00660
.151	-8.002	7.81350	.19850	.04750	.03800	.11450	- .00140	.02710	- .00560
.150	-5.987	7.81490	.20090	.05060	.03980	.08420	- .00050	.01950	- .00430
.150	-3.993	7.81650	.19770	.05210	.04850	.05710	- .00110	.01160	- .00250
.150	-3.141	7.81650	.19850	.05350	.04870	.04250	- .00060	.00790	- .00190
.151	-2.109	7.81520	.19930	.05490	.04820	.02830	- .00100	.00360	- .00090
.150	-1.071	7.81480	.19540	.05670	.04920	.01260	- .00130	.00040	.00000
.150	-.011	7.81300	.19750	.05750	.04890	-.00350	- .00130	-.00260	.00080
.149	1.028	7.81170	.20350	.05780	.04550	-.01680	- .00180	-.00560	.00170
.149	2.025	7.81440	.20820	.05700	.04190	-.03270	- .00230	-.00950	.00280
.151	4.006	7.81280	.20720	.05410	.03880	-.06320	- .00330	-.01780	.00500
.150	5.993	7.80990	.20570	.05220	.03450	-.09500	- .00210	-.02640	.00620
.149	7.987	7.80680	.20330	.05020	.03130	- .13010	- .00200	-.03390	.00790
.149	10.016	7.80440	.20120	.04870	.02630	-.15720	- .00240	-.04010	.00950
.150	12.080	7.80010	.20630	.04920	.01780	-.18260	- .00590	-.04470	.01240
	GRADIENT	-.00052	.00141	.00037	-.00124	-.01485	- .00029	-.00352	.00092

RUN NO. 497/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.300	-12.061	7.83230	.20910	.03270	.02860	.16850	.00290	.03880	- .03880
.299	-10.017	7.83540	.21000	.03290	.03160	.14770	- .00110	.03440	- .02820
.299	-8.054	7.83840	.21090	.03470	.03240	.11780	- .00070	.02840	- .02310
.300	-6.062	7.84110	.21340	.03700	.03380	.08850	- .00070	.02110	- .01700
.300	-4.021	7.84690	.20610	.03840	.04310	.05710	- .00070	.01250	- .01030
.300	-3.063	7.84640	.20670	.04000	.04310	.04100	- .00050	.00810	- .00720
.300	-2.015	7.84810	.20590	.04150	.04360	.02600	- .00060	.00400	- .00380
.300	-1.050	7.84600	.20500	.04270	.04450	.01210	- .00120	.00100	- .00020
.300	.025	7.84590	.20660	.04330	.04400	-.00520	- .00090	-.00220	.00270
.299	1.019	7.84230	.21200	.04330	.03950	-.01980	- .00150	-.00500	.00650
.299	2.018	7.84240	.21320	.04230	.03770	-.03590	- .00150	-.00940	.01000
.300	3.018	7.84070	.21510	.04160	.03560	-.05150	- .00160	-.01360	.01340
.300	4.011	7.83740	.21740	.04090	.03170	-.06650	- .00170	-.01770	.01680
.299	6.056	7.83300	.21710	.03850	.02680	-.10160	- .00020	-.02610	.02150
.301	8.076	7.83180	.21320	.03580	.02450	-.13190	.00010	-.03370	.02750
.299	10.077	7.82910	.21070	.03460	.02200	-.15630	- .00270	-.03870	.03650
.300	12.057	7.82160	.21850	.03430	.01020	-.18200	- .00430	-.04380	.04420
	GRADIENT	-.00116	.00152	.00028	-.00140	-.01533	- .00016	-.00361	.00338



CA5 ORB TC5 AT38.3 (PRES. K1 FO H15.6 V9.1)

(AGM118) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 935.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = 000 RUD-L = 000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 TORB = 4.000

RUN NO. 496/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.054	7.89910	.22880	.03400	.03190	.16700	.00430	.03820	-.10160
.500	-10.016	7.89150	.22790	.03260	.03290	.15110	-.00180	.03480	-.06930
.501	-8.093	7.89450	.22770	.03390	.03230	.12210	-.00160	.02910	-.05600
.500	-6 016	7 89690	.22520	.03560	.03500	.09020	-.00150	.02150	-.04030
.500	-4.021	7.90700	.22030	.03700	.04240	.05990	-.00140	.01310	-.02450
.500	-3 003	7 90600	.22110	.03870	.04220	.04270	-.00110	.00820	-.01620
501	-2.069	7 90620	.21950	.03990	.04270	.02700	-.00090	.00420	-.00880
.500	-1.035	7.90700	.21770	.04050	.04390	.01180	-.00110	.00110	-.00050
.500	.014	7.90670	.21870	.04100	.04360	-.00710	-.00030	-.00200	-.00500
.499	1.068	7 90220	.22410	.04150	.04010	-.02300	-.00070	-.00510	.01450
.500	2.043	7.89980	.22680	.04030	.03790	-.03880	-.00040	-.00930	.02140
.499	3.040	7 89580	.22920	.03970	.03520	-.05530	-.00010	-.01380	.02900
500	4.045	7.89020	.23190	.03920	.03110	-.07090	-.00020	-.01810	.03800
.499	6.050	7.87910	.23490	.03790	.02460	-.10400	.00100	-.02650	.05000
.499	8.087	7.87690	.22870	.03540	.02470	-.13470	.00080	-.03390	.06660
.499	10.115	7.87520	.22610	.03560	.02480	-.15390	-.00410	-.03820	.09600
.500	12 175	7.86260	.23740	.03720	.01480	-.17980	-.00570	-.04350	.11520
GRADIENT		-.00190	.00151	.00022	-.00131	-.01620	.00015	-.00369	.00759

RUN NO. 495/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.158	7.92750	.24650	.03970	.03260	.16500	.00600	.03730	-.14350
.599	-10.105	7.92680	.24490	.03740	.03340	.15140	-.00100	.03390	-.09670
.600	-8 079	7.92550	.24410	.03900	.03150	.12340	-.00260	.02880	-.07030
.600	-6.025	7.93420	.24090	.03880	.03500	.09320	-.00260	.02150	-.04990
.600	-4.025	7.94280	.23540	.03940	.04030	.06160	-.00240	.01290	-.02790
.600	-3 020	7.94100	.23520	.04080	.03990	.04460	-.00180	.00830	-.01900
.600	-2.015	7.94060	.23440	.04230	.04020	.02740	-.00110	.00400	-.01080
.600	-.967	7.94290	.23000	.04190	.04220	.01180	-.00120	.00090	.00000
.601	.020	7.94310	.23040	.04250	.04190	-.00770	.00020	-.00200	.00460
.601	1.041	7 93790	.23730	.04360	.03860	-.02350	.00000	-.00490	.01540
600	2.060	7.93580	.23890	.04220	.03740	-.04060	.00060	-.00940	.02470
.600	3 080	7.93130	.24170	.04130	.03480	-.05820	.00110	-.01410	.03400
.599	4.058	7.92350	.24470	.04110	.03070	-.07390	.00140	-.01840	.04400
599	6.035	7.91110	.24960	.04110	.02430	-.10470	.00180	-.02640	.06330
.601	8.122	7.91170	.24440	.03910	.02580	-.13580	.00110	-.03380	.08860
.600	10.143	7.90960	.24350	.04100	.02500	-.15070	-.00510	-.03700	.13140
.600	12.173	7.89900	.25860	.04330	.01360	-.17850	-.00600	-.04230	.15430
GRADIENT		-.00199	.00120	.00016	-.00103	-.01681	.00047	-.00370	.00877

CA5 ORB TC5 AT3B.3 (PRES. K1 F0 H15 6 V9.1)

(AGM118) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 494/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.130	7.95780	.27100	.05330	.03380	.16820	.00570	.03490	-.17840
.700	-10.118	7.95010	.27290	.04920	.03160	.15270	-.00060	.03230	-.12370
.699	-8.087	7.95570	.26980	.04720	.03070	.12660	-.00330	.02780	-.08480
.700	-6.061	7.96850	.26440	.04830	.03520	.09690	-.00360	.02150	-.05780
.700	-4.021	7.97200	.25890	.04550	.03810	.06600	-.00340	.01310	-.03150
.700	-3.042	7.96880	.25800	.04820	.03730	.04780	-.00270	.00840	-.02040
.700	-2.019	7.96290	.26030	.04890	.03490	.02770	-.00100	.00370	-.01420
.700	-1.109	7.97110	.25250	.04730	.03830	.01410	-.00110	.00100	-.00270
.701	-.003	7.97260	.25040	.04730	.03920	-.00800	.00080	-.00200	.00190
.700	1.040	7.96530	.25860	.04890	.03540	-.02450	.00080	-.00480	.01460
.700	2.060	7.96850	.25940	.04740	.03650	-.04300	.00190	-.00950	.02390
.700	3.016	7.96400	.26220	.04680	.03520	-.06010	.00280	-.01400	.03270
.700	4.030	7.95830	.26510	.04720	.03170	-.07760	.00350	-.01870	.04360
.700	6.056	7.94850	.27170	.04890	.02650	-.10510	.00220	-.02600	.07680
.700	8.140	7.94040	.27370	.04980	.02460	-.13640	.00160	-.03260	.10670
.700	10.177	7.93430	.27610	.05270	.02210	-.15870	-.00250	-.03630	.15170
.701	12.209	7.91320	.28200	.05600	.01290	-.18130	-.00570	-.04050	.19180
	GRADIENT	-.00104	.00059	.00012	-.00052	-.01777	.00085	-.00373	.00911

CA5 ORB TC5 AT38.3 (PRES. KI FO H15.6 V9.1)

(AGM119) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 502/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
301	-.737	-.02320	-.02150	.03180	.02220	-.00300	-.00120	-.00120	.00240
299	.242	-.03020	.00090	.03050	.02460	-.00290	-.00120	-.00130	.00240
299	1.139	-.02320	.02360	.03040	.02780	-.00270	-.00120	-.00140	.00240
300	2.005	-.02340	.04550	.03030	.03060	-.00250	-.00110	-.00160	.00230
.299	2.810	-.02350	.06510	.03040	.03310	-.00280	-.00100	-.00160	.00210
.300	3.610	-.02350	.08530	.03100	.03500	-.00270	-.00090	-.00160	.00210
.300	4.507	-.02360	.10960	.03220	.03700	-.00300	-.00090	-.00170	.00200
300	5.443	-.02370	.13600	.03410	.03910	-.00280	-.00080	-.00170	.00190
299	6.150	-.02380	.15550	.03610	.04050	-.00270	-.00070	-.00180	.00190
.299	7.080	-.03070	.18210	.03910	.04250	-.00260	-.00070	-.00190	.00180
.299	7.919	-.03080	.20670	.04260	.04460	-.00250	-.00060	-.00190	.00170
.300	8.745	-.03110	.23160	.04690	.04690	-.00230	-.00040	-.00200	.00150
.300	9.635	-.03110	.25900	.05220	.04900	-.00260	-.00030	-.00190	.00140
.300	10.368	-.02440	.28100	.05700	.05070	-.00210	-.00020	-.00180	.00120
.300	11.350	-.02450	.30710	.06350	.05360	-.00230	-.00020	-.00180	.00120
.300	12.274	-.02470	.33190	.07070	.05650	-.00170	.00000	-.00190	.00100
.300	13.089	-.03160	.34960	.07740	.06010	-.00240	.00010	-.00200	.00100
299	14.024	-.02490	.36590	.08500	.06590	-.00230	.00020	-.00180	.00080
.299	14.795	-.01790	.37530	.09070	.07080	-.00200	.00020	-.00190	.00080
.299	15.730	-.02480	.38470	.09760	.07690	-.00180	.00020	-.00190	.00090
.299	16.662	-.02500	.39270	.10440	.08400	-.00200	.00030	-.00180	.00070
299	17.444	-.02500	.39640	.10980	.09040	-.00260	.00040	-.00180	.00060
GRADIENT		.00048	.02500	.00008	.00292	.00001	.00007	-.00010	-.00009

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB TC5 AT39.3 (PRES. K1 F0 H15.6 V9.1)

(AGM119) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 IORB = 4.000

RUN NO. 501/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.499	-.708	-.00610	-.01090	.03530	.02150	-.00620	-.00090	-.00120	.00570
501	.240	-.01330	.01090	.03350	.02390	-.00620	-.00080	-.00130	.00540
.500	1.121	-.01340	.03420	.03230	.02650	-.00620	-.00070	-.00140	.00530
.499	2.034	-.02730	.05840	.03160	.02910	-.00590	-.00070	-.00150	.00520
.500	2.759	-.02750	.07610	.03120	.03100	-.00610	-.00060	-.00150	.00500
500	3.589	-.02080	.09720	.03140	.03340	-.00610	-.00050	-.00160	.00480
.500	4.451	-.02090	.12030	.03200	.03540	-.00610	-.00050	-.00160	.00470
.500	5.347	-.02130	.14440	.03310	.03760	-.00600	-.00040	-.00170	.00430
.499	6.008	-.02120	.16250	.03440	.03930	-.00600	-.00040	-.00170	.00440
499	6.927	-.02150	.18840	.03670	.04140	-.00590	-.00030	-.00180	.00420
.499	7.813	-.02160	.21490	.03970	.04380	-.00570	-.00020	-.00180	.00410
.500	8.249	-.02870	.22960	.04180	.04480	-.00550	-.00020	-.00180	.00390
.500	8.579	-.02190	.23840	.04310	.04610	-.00560	-.00010	-.00180	.00380
.499	9.462	-.02240	.26640	.04780	.04850	-.00540	.00000	-.00180	.00330
.499	10.260	-.01560	.28950	.05250	.05100	-.00540	.00010	-.00190	.00320
.500	11.212	-.01570	.31290	.05830	.05480	-.00520	.00010	-.00200	.00310
.499	12.169	-.01570	.33250	.06460	.05920	-.00530	.00020	-.00210	.00310
.499	12.936	-.01620	.34610	.06980	.06400	-.00520	.00030	-.00200	.00250
.499	13.857	-.03020	.36010	.07650	.07020	-.00530	.00040	-.00190	.00240
.500	14.677	-.02350	.36980	.08190	.07680	-.00520	.00050	-.00190	.00220
.500	15.520	-.03060	.37750	.08730	.08430	-.00550	.00060	-.00190	.00200
.501	16.438	-.03080	.38230	.09270	.09300	-.00610	.00080	-.00210	.00180
.499	17.191	-.02450	.38560	.09690	.10160	-.00690	.00100	-.00200	.00120
.499	17.787	-.02470	.38890	.10060	.10870	-.00790	.00110	-.00190	.00100
	GRADIENT	-.00315	.02553	-.00065	.00274	.00003	.00008	-.00008	-.00019

CA5 ORB TC5 AT30.3 (PRES. K1 F0 H15.8 V8.1)

(AQM119) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = -10.000 ELV-OB = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 500/ 0 RN/L = 3.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	O1ORB
.600	-.077	-.01330	.01280	.03610	.02120	-.00690	-.00040	-.00140	.00550
.601	.833	-.02730	.03570	.03450	.02390	-.00720	-.00030	-.00140	.00520
.600	1.562	-.02750	.05490	.03350	.02610	-.00700	-.00020	-.00150	.00500
.600	2.082	-.02050	.06940	.03310	.02720	-.00710	-.00020	-.00150	.00510
.601	2.445	-.02070	.07780	.03290	.02850	-.00700	-.00020	-.00150	.00490
.600	3.391	-.02100	.10230	.03280	.03080	-.00700	-.00010	-.00160	.00470
.601	4.029	-.02790	.11870	.03310	.03260	-.00700	-.00010	-.00170	.00460
.599	4.938	-.02810	.14340	.03380	.03480	-.00700	.00000	-.00170	.00450
.599	5.350	-.02080	.15560	.03440	.03520	-.00680	-.00010	-.00170	.00480
.600	5.803	-.01450	.16750	.03530	.03680	-.00670	.00000	-.00170	.00420
.600	6.646	-.02150	.19180	.03730	.03910	-.00680	.00010	-.00180	.00410
.600	7.544	-.01500	.21840	.04020	.04140	-.00660	.00020	-.00180	.00370
.600	8.204	-.01530	.23850	.04280	.04340	-.00640	.00020	-.00180	.00350
.601	9.081	-.00870	.26550	.04700	.04600	-.00630	.00030	-.00190	.00310
.600	9.934	-.02270	.29090	.05200	.04920	-.00620	.00040	-.00200	.00290
.601	10.726	-.02290	.31010	.05670	.05250	-.00580	.00040	-.00210	.00270
.599	11.699	-.01610	.32980	.06300	.05760	-.00600	.00050	-.00220	.00270
.600	12.506	-.02360	.34270	.06820	.06270	-.00640	.00070	-.00210	.00210
.600	13.388	-.01720	.35630	.07440	.06970	-.00640	.00080	-.00200	.00150
.600	14.315	-.03180	.36870	.08100	.07780	-.00680	.00100	-.00170	.00080
.600	15.006	-.03250	.37690	.08580	.08450	-.00690	.00110	-.00160	.00010
.600	15.934	-.03280	.38570	.09250	.09400	-.00740	.00120	-.00150	-.00020
.600	16.882	-.02590	.39640	.09990	.10430	-.00790	.00130	-.00160	-.00030
.601	17.618	-.02670	.40630	.10670	.11250	-.00860	.00150	-.00140	-.00110
.601	17.897	-.03380	.41080	.10980	.11580	-.00900	.00160	-.00130	-.00140
GRADIENT		-.00170	.02600	-.00044	.00270	.00001	.00007	-.00007	-.00020

CA5 ORB TCS AT38 3 (PRES. K1 F0 H15.6 V9.1)

(AGM119) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 YORB = 4 000

RUN NO. 499/ 0 RN/L = 3.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-.071	-.02830	.02720	.03990	.01750	-.00880	.00020	- .00140	.00420
.700	.810	-.02870	.04940	.03810	.02040	-.00870	.00030	-.00150	.00380
.700	1.578	-.02880	.07000	.03710	.02230	-.00880	.00030	-.00160	.00380
.700	2.081	-.03610	.08390	.03670	.02380	-.00870	.00040	-.00160	.00340
.700	2.477	-.03630	.09430	.03650	.02430	-.00880	.00040	-.00160	.00320
.700	3.408	-.03690	.11880	.03630	.02670	-.00880	.00050	-.00170	.00260
.700	4.133	-.05070	.13820	.03670	.02860	-.00880	.00060	-.00170	.00260
.700	5.052	-.03020	.16440	.03780	.03080	-.00870	.00060	-.00180	.00240
.700	5.853	-.03030	.18800	.03930	.03280	-.00850	.00070	-.00180	.00230
.700	6.701	-.03060	.21290	.04150	.03510	-.00830	.00070	-.00180	.00200
.700	7.576	-.03780	.23870	.04460	.03780	-.00810	.00080	-.00190	.00160
.701	8.306	-.03110	.26150	.04820	.04020	-.00760	.00080	-.00190	.00150
.700	9.190	-.03840	.28700	.05300	.04340	-.00750	.00090	-.00190	.00110
.700	10.029	-.03180	.31040	.05900	.04700	-.00760	.00100	-.00200	.00070
.700	10.890	-.03270	.32960	.06540	.05130	-.00760	.00120	-.00230	-.00020
.700	11.865	-.03420	.34810	.07370	.05730	-.00770	.00150	-.00230	-.00170
.699	12.653	-.02730	.35920	.08010	.06330	-.00710	.00140	-.00200	-.00180
.700	13.563	-.02300	.37550	.09020	.07000	-.00790	.00180	-.00160	-.00440
.700	14 511	-.02500	.39230	.10110	.07830	-.00850	.00220	-.00130	-.00650
.700	15.229	-.02540	.40330	.10940	.08470	-.00870	.00230	-.00130	-.00690
.700	16.182	-.03260	.41730	.12080	.09410	-.00930	.00240	-.00130	-.00730
.700	17 064	-.02440	.43060	.13180	.10480	-.00970	.00230	-.00120	-.00600
.700	17 920	-.03040	.44100	.14300	.11550	-.00930	.00190	-.00070	-.00510
	GRADIENT	-.00482	.02650	-.00074	.00257	-.00001	.00009	-.00007	-.00041

CAS ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM120) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 506/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-.812	-.02280	-.01970	.03290	.02230	-.00590	-.00120	-.00120	.00280
.300	.189	-.03000	.00300	.03140	.02500	-.00560	-.00110	-.00140	.00260
.299	1.094	-.01610	.02600	.03130	.02820	-.00550	-.00110	-.00150	.00260
.301	1.975	-.02300	.04880	.03130	.03130	-.00530	-.00100	-.00170	.00260
.300	2.778	-.02330	.06810	.03150	.03350	-.00520	-.00090	-.00170	.00240
.300	3.632	-.02330	.09040	.03230	.03540	-.00510	-.00090	-.00180	.00230
.299	4.596	-.01640	.11580	.03370	.03780	-.00580	-.00080	-.00180	.00240
.299	5.553	-.02330	.14310	.03590	.03950	-.00560	-.00070	-.00190	.00230
.300	6.323	-.02350	.16490	.03820	.04110	-.00550	-.00060	-.00200	.00210
.301	7.229	-.02350	.19090	.04140	.04310	-.00530	-.00060	-.00200	.00220
.300	8.036	-.02370	.21440	.04500	.04510	-.00480	-.00050	-.00210	.00200
.299	8.919	-.02370	.24270	.05000	.04710	-.00550	-.00040	-.00200	.00200
.300	9.806	-.01690	.27030	.05550	.04940	-.00530	-.00030	-.00200	.00180
.300	10.574	-.01700	.29220	.06050	.05120	-.00520	-.00020	-.00200	.00170
.299	11.563	-.01730	.31910	.06760	.05370	-.00510	.00000	-.00200	.00150
.299	12.401	-.02420	.34100	.07430	.05670	-.00490	.00000	-.00200	.00140
.300	13.361	-.01750	.35970	.08210	.06150	-.00470	.00020	-.00200	.00120
.300	14.320	-.02450	.37390	.08950	.06740	-.00490	.00020	-.00180	.00120
.299	15.047	-.02450	.38370	.09530	.07220	-.00520	.00030	-.00190	.00120
.299	16.008	-.01760	.39240	.10230	.07870	-.00490	.00040	-.00210	.00110
.299	16.818	-.01790	.39780	.10790	.08490	-.00520	.00050	-.00190	.00090
.299	17.604	-.01790	.39930	.11290	.09200	-.00580	.00070	-.00190	.00080
	GRADIENT	.00104	.02513	.00017	.00293	.00006	.00007	-.00011	-.00008

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V8 1)

(AGM120) (20 JAN 75)

REFERENCE DATA

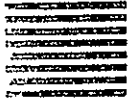
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474 8100 IN. YMRP = .0000 IN YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = 10.000 ELV-08 = 13.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 505/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-.776	-.01310	-.01210	.03620	.02190	-.00730	-.00070	-.00130	.00570
.500	.205	-.01340	.01090	.03450	.02430	-.00710	-.00060	-.00140	.00530
.499	1.107	-.02730	.03380	.03320	.02700	-.00710	-.00060	-.00150	.00530
.499	1.884	-.02060	.05660	.03280	.02980	-.00700	-.00060	-.00150	.00510
.499	2.777	-.04150	.07650	.03230	.03160	-.00690	-.00050	-.00160	.00490
.499	3.577	-.02800	.09760	.03240	.03360	-.00690	-.00040	-.00160	.00450
.499	4.518	-.02800	.12230	.03320	.03590	-.00710	-.00030	-.00170	.00460
.499	5.480	-.02120	.14860	.03460	.03790	-.00690	-.00030	-.00180	.00450
.500	6.199	-.02140	.16920	.03610	.03970	-.00690	-.00020	-.00180	.00430
.499	7.134	-.01460	.19600	.03870	.04180	-.00680	-.00010	-.00190	.00410
.499	7.986	-.01490	.22150	.04190	.04400	-.00660	-.00010	-.00190	.00380
.500	8.843	-.01520	.24830	.04590	.04630	-.00650	.00000	-.00190	.00350
.500	9.713	-.01550	.27630	.05080	.04880	-.00650	.00020	-.00200	.00320
.501	10.444	-.01580	.29630	.05520	.05140	-.00630	.00020	-.00200	.00290
.500	11.418	-.00910	.31960	.06140	.05490	-.00630	.00030	-.00210	.00280
.500	12.374	-.00230	.33830	.06770	.05980	-.00660	.00040	-.00210	.00260
.499	13.282	-.00970	.35270	.07390	.06520	-.00680	.00060	-.00200	.00210
.499	14.232	-.02380	.36690	.08080	.07220	-.00690	.00070	-.00190	.00190
.499	14.962	-.03100	.37480	.08570	.07840	-.00680	.00080	-.00200	.00160
.499	15.930	-.03130	.38240	.09160	.08740	-.00720	.00090	-.00200	.00130
.499	16.817	-.03180	.38620	.09670	.09630	-.00800	.00120	-.00220	.00080
.499	17.697	-.02540	.39020	.10190	.10620	-.00940	.00160	-.00230	.00020
	GRADIENT	-.00364	.02548	-.00059	.00268	.00005	.00007	-.00007	-.00022



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM120) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 504/ 0 RN/L = 3.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	OIORB
.600	-.759	-.00660	-.00440	.03840	.02030	-.00780	-.00030	-.00140	.00520
.600	.217	-.01370	.01860	.03630	.02290	-.00790	-.00020	-.00150	.00500
.600	1.125	-.01390	.04190	.03480	.02540	-.00780	-.00010	-.00150	.00480
.601	1.983	-.01410	.06540	.03400	.02760	-.00770	-.00010	-.00160	.00470
.600	2.860	-.01440	.08780	.03360	.03020	-.00760	.00000	-.00160	.00430
.601	3.716	-.01460	.10980	.03370	.03190	-.00770	.00010	-.00170	.00410
.600	4.670	-.01490	.13490	.03450	.03400	-.00800	.00020	-.00180	.00380
.600	5.587	-.00820	.16050	.03580	.03610	-.00790	.00030	-.00180	.00360
.600	6.312	-.00830	.18170	.03740	.03800	-.00770	.00030	-.00180	.00350
.601	7.228	-.01680	.20850	.04010	.04030	-.00750	.00040	-.00190	.00300
.600	8.062	-.02280	.23420	.04330	.04250	-.00740	.00040	-.00190	.00280
.601	8.941	-.01630	.26160	.04740	.04520	-.00730	.00050	-.00190	.00250
.600	9.851	-.01630	.28850	.05260	.04830	-.00720	.00060	-.00200	.00240
.600	10.602	-.01650	.30740	.05720	.05140	-.00700	.00070	-.00210	.00230
.600	11.579	-.02350	.32760	.06340	.05630	-.00730	.00080	-.00230	.00220
.601	12.490	-.02430	.34320	.06940	.06190	-.00740	.00090	-.00210	.00140
.599	13.407	-.02470	.35720	.07580	.06890	-.00770	.00110	-.00210	.00100
.599	14.342	-.03300	.36910	.08220	.07770	-.00800	.00130	-.00170	-.00050
.600	15.123	-.02670	.37820	.08770	.08510	-.00810	.00150	-.00160	-.00110
.600	16.101	-.02670	.38780	.09430	.09590	-.00870	.00150	-.00150	-.00120
.601	17.002	-.02020	.39900	.10190	.10570	-.00900	.00170	-.00150	-.00150
.600	17.362	-.03410	.40330	.10510	.10950	-.00940	.00170	-.00160	-.00160
.600	17.892	-.02810	.41020	.10990	.11550	-.00990	.00190	-.00140	-.00270
.600	17.892	-.02810	.41020	.10990	.11550	-.00990	.00190	-.00140	-.00270
.600	GRADIENT	-.00110	.02580	-.00073	.00255	-.00001	.00009	-.00007	-.00026

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB TC5 AT3B.3 (PRES. KI FO H15.6 V9.1)

(AGM120) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 10 000 ELV-0B = 13.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 1ORB = 4.000

RUN NO. 503/ 0 RN/L = 3.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-.747	-.02140	.00820	.04280	.01740	-.00920	.00020	-.00150	.00420
.699	.232	-.01520	.03110	.04050	.02000	-.00920	.00030	-.00150	.00350
.700	1.142	-.01530	.05600	.03900	.02240	-.00930	.00040	-.00160	.00340
.700	2.037	-.00850	.07980	.03800	.02500	-.00920	.00040	-.00170	.00330
.700	2.821	-.01600	.10070	.03740	.02640	-.00930	.00060	-.00170	.00270
.700	3.614	-.01630	.12180	.03760	.02820	-.00930	.00060	-.00180	.00250
.700	4.551	-.00980	.14770	.03830	.03020	-.00920	.00070	-.00180	.00200
.700	5.517	-.01020	.17510	.03970	.03290	-.00920	.00080	-.00190	.00160
.700	6.235	-.01710	.19540	.04140	.03440	-.00890	.00080	-.00190	.00160
.700	7.185	-.01760	.22510	.04430	.03690	-.00880	.00090	-.00190	.00110
.700	8.011	-.01810	.24980	.04770	.03970	-.00830	.00100	-.00200	.00060
.700	8.878	-.03250	.27570	.05200	.04280	-.00810	.00110	-.00190	.00010
.699	9.796	-.02630	.30160	.05790	.04650	-.00830	.00130	-.00200	-.00070
.699	10.540	-.02670	.31970	.06330	.05020	-.00830	.00140	-.00220	-.00110
.699	11.536	-.02070	.33940	.07110	.05620	-.00840	.00160	-.00240	-.00210
.699	12.469	-.02850	.35430	.07880	.06290	-.00800	.00170	-.00190	-.00290
.699	13.369	-.02910	.36940	.08800	.06930	-.00820	.00170	-.00170	-.00350
.700	14.355	-.03190	.38740	.09940	.07700	-.00880	.00220	-.00130	-.00650
.701	15.172	-.03360	.40150	.10950	.08390	-.00940	.00250	-.00120	-.00830
.700	16.149	-.03280	.41610	.12090	.09320	-.00940	.00250	-.00150	-.00750
.700	17.084	-.03170	.43180	.13290	.10450	-.00980	.00250	-.00170	-.00640
.700	17.920	-.02970	.44380	.14370	.11470	-.00900	.00220	-.00180	-.00430
	GRADIENT	00136	.02648	-.00087	.00242	-.00001	00009	-.00007	-.00038

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.5 V9.1)

(AOM121) (20 JAN 75)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474 8100 IN YMRP = .0000 IN. Y0
 BREF = 936 6800 IN ZMRP = 375.0000 IN. Z0
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IOR8 = 4.000

RUN NO. 509/ 0 RN/L = 1 96 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1OR8
.299	-12.035	7.83330	.20970	.03300	.02870	.16950	.00200	.03970	-.03750
300	-10 020	7.83690	.21030	.03310	.03190	.14890	-.00170	.03430	-.02750
.300	-8.064	7.84010	.21080	.03480	.03300	.11890	-.00130	.02920	-.02240
.299	-6.066	7.84240	.21270	.03700	.03440	.08960	-.00120	.02100	-.01630
300	-3.984	7.84890	.20660	.03840	.04340	.05700	-.00120	.01220	-.00950
300	-3 054	7.84830	.20710	.03990	.04320	.04180	-.00100	.00780	-.00650
.299	-2.055	7.84780	.20670	.04140	.04360	.02740	-.00130	.00400	-.00290
.299	-1.028	7.84810	.20590	.04280	.04510	.01230	-.00170	.00080	.00060
.299	-.029	7.84770	.20740	.04330	.04430	-.00470	-.00140	-.00220	.00340
.299	.978	7.84690	.21300	.04290	.03970	-.02080	-.00200	-.00540	.00760
300	2.025	7.84410	.21480	.04230	.03740	-.03700	-.00160	-.00970	.01030
300	3 004	7.84490	.21680	.04180	.03560	-.05350	-.00140	-.01410	.01350
.301	4 017	7.84250	.21890	.04090	.03130	-.06810	-.00160	-.01800	.01700
.300	5.992	7.83790	.21890	.03850	.02640	-.10180	.00030	-.02610	.02090
.301	8.053	7.83450	.21450	.03550	.02410	-.13330	.00060	-.03380	.02700
301	10.047	7.82950	.21310	.03450	.02120	-.15740	-.00220	-.03880	.03640
300	12 018	7.82590	.22210	.03450	.00900	-.18310	-.00340	-.04390	.04320
GRADIENT	-.00074	.00169	.00029	-.00148	-.01571	-.00006	-.00365	.00330	

RUN NO. 510/ 0 RN/L = 3.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1OR8
.499	-12 061	7.89300	.22830	.03330	.03190	.16810	.00330	.03810	-.09800
.499	-10 135	7.89600	.22710	.03200	.03310	.15330	-.00250	.03490	-.06740
.500	-8.018	7.89820	.22640	.03360	.03360	.11980	-.00210	.02840	-.05290
.499	-6.068	7.90120	.22470	.03520	.03530	.08970	-.00170	.02110	-.03900
.499	-4.025	7.91200	.21950	.03670	.04280	.05850	-.00170	.01240	-.02240
499	-3 098	7.91070	.22040	.03820	.04260	.04360	-.00140	.00910	-.01540
500	-2 066	7.91080	.21870	.03940	.04320	.02640	-.00120	.00400	-.00750
.500	-1.007	7.91250	.21650	.03990	.04450	.01040	-.00120	.00070	.00050
.499	-.026	7.91060	.21870	.04040	.04320	-.00770	-.00040	-.00220	.00580
.499	1.061	7.90590	.22470	.04070	.03950	-.02480	-.00050	-.00560	.01460
.500	2 058	7.90440	.22620	.03940	.03780	-.04090	-.00020	-.01000	.02200
.499	2.964	7.89990	.22910	.03880	.03490	-.05750	.00020	-.01430	.02900
.499	4 044	7.89170	.23170	.03840	.03070	-.07290	.00020	-.01870	.03740
.501	6 048	7.88430	.23370	.03690	.02450	-.10740	.00160	-.02720	.04980
.499	8.050	7.88200	.22770	.03420	.02480	-.13700	.00130	-.03450	.06600
.499	10.134	7.87820	.22510	.03470	.02510	-.15510	-.00410	-.03860	.09640
499	12.110	7.86400	.23690	.03660	.01390	-.18030	-.00580	-.04350	.11560
GRADIENT	-.00219	.00161	.00016	-.00143	-.01643	.00025	-.00371	.00733	

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM121) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109 0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

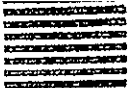
ALPHA1 = 6 000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 508/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	-12.207	7.93050	.24740	.03970	.03270	.16560	.00540	.03710	-.14120
.599	-10.120	7.93070	.24470	.03730	.03380	.15100	-.00160	.03370	-.09370
.600	-8.061	7.92890	.24420	.03800	.03220	.12300	-.00300	.02850	-.06790
.600	-6.055	7.93840	.24050	.03880	.03580	.09140	-.00270	.02080	-.04760
.599	-4.021	7.94600	.23610	.03960	.04050	.06150	-.00270	.01260	-.02620
.601	-3.045	7.94260	.23560	.04090	.04020	.04400	-.00200	.00800	-.01770
.600	-1.978	7.94400	.23460	.04250	.04030	.02530	-.00120	.00350	-.00900
.601	-1.014	7.94640	.22890	.04150	.04320	.00890	-.00100	.00040	.00040
.601	.042	7.94400	.23290	.04270	.04060	-.01060	.00030	-.00250	.00570
.599	1.042	7.93730	.23870	.04310	.03780	-.02690	.00030	-.00580	.01660
.601	2.047	7.93660	.23980	.04170	.03700	-.04350	.00090	-.01010	.02490
.600	3.080	7.93300	.24240	.04090	.03410	-.06100	.00140	-.01490	.03480
.600	4.058	7.92330	.24630	.04080	.02980	-.07670	.00170	-.01910	.04420
.600	6.076	7.91390	.25010	.04070	.02410	-.10830	.00230	-.02710	.06320
.600	8 099	7.91490	.24370	.03930	.02610	-.13710	.00150	-.03410	.08750
.600	10.149	7.91330	.24290	.04050	.02550	-.15300	-.00500	-.03760	.13280
.600	12.185	7.89080	.25870	.04310	.01290	-.17910	-.00630	-.04250	.15640
	GRADIENT	-.00236	.00134	.00008	-.00120	-.01713	.00055	-.00376	.00860

RUN NO. 507/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.158	7.96850	.27170	.05300	.03340	.16670	.00550	.03460	-.17580
.701	-10.111	7.96350	.27250	.04900	.03170	.15120	-.00100	.03200	-.11970
.699	-8.085	7.96280	.26980	.04700	.03120	.12690	-.00420	.02770	-.07860
.700	-6 047	7.97240	.26400	.04610	.03610	.09460	-.00400	.02060	-.05290
.701	-4.038	7.97630	.25950	.04570	.03820	.06450	-.00350	.01240	-.02910
.700	-3.032	7.97480	.25810	.04670	.03730	.04570	-.00260	.00760	-.01890
.700	-1 968	7.96810	.26120	.04950	.03440	.02440	-.00080	.00300	-.01300
.700	-1.008	7.98090	.24910	.04650	.04060	.00970	-.00080	.00020	-.00090
.700	.025	7.97010	.25510	.04830	.03630	-.01230	.00120	-.00250	.00240
.699	1.013	7 97220	.25950	.04880	.03500	-.02660	.00110	-.00540	.01470
.701	2.044	7.97340	.26030	.04730	.03580	-.04580	.00240	-.01010	.02250
.700	3.058	7.97370	.26250	.04660	.03480	-.06340	.00320	-.01480	.03290
.699	4.071	7.96220	.26590	.04700	.03100	-.08070	.00400	-.01940	.04310
.700	6.080	7.95220	.27150	.04860	.02650	-.10820	.00280	-.02650	.07500
.701	8 131	7.94810	.27280	.04950	.02520	-.13830	.00200	-.03290	.10620
.699	10.167	7.94080	.27500	.05220	.02250	-.16050	-.00210	-.03650	.15060
.701	12 150	7 92060	.28060	.05580	.01370	-.18130	-.00550	-.04050	.19100
	GRADIENT	-.00096	.00078	.00005	-.00065	-.01786	.00092	-.00372	.00874



CAS ORB TC5 AT39.3 (PRES. KI FO H15 6 V9.1)

(AGM122) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 514/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.301	-12.008	3.93370	.10250	.02190	.02130	.18970	.00750	.03430	-.04490
.299	-10.054	3.93700	.10230	.02210	.02170	.16690	.00320	.03110	-.03380
.299	-8.047	3.94040	.10320	.02310	.02320	.13520	.00170	.02590	-.02590
.299	-6.005	3.94460	.10230	.02520	.02670	.10310	.00010	.01950	- 01790
.299	-3.985	3.95570	.08830	.02650	.04280	.06810	-.00080	.01190	-.01030
.299	-3.014	3.95380	.09150	.02840	.03840	.04740	-.00060	.00750	-.00700
.299	-2.007	3.95200	.09440	.03030	.03590	.03020	-.00090	.00380	-.00350
.300	-1.056	3.95230	.09430	.03140	.03620	.01440	-.00150	.00110	00010
.300	012	3.95420	.09630	.03180	.03540	-.00540	-.00140	-.00190	.00330
.300	1.033	3.94970	.10120	.03120	.03140	-.02120	-.00220	-.00440	.00720
.300	2.019	3.94880	.10090	.02970	.03070	-.03940	-.00230	-.00860	.01070
.299	3.032	3.94650	.10310	.02870	.02820	-.05790	-.00270	- 01270	.01450
.299	4.004	3.94600	.10490	.02790	.02500	-.07600	-.00260	- 01670	.01760
.301	6.058	3.93960	.10750	.02550	.01760	-.11410	-.00270	- 02450	.02450
.299	8.057	3.93550	.10330	.02310	.01500	-.14770	-.00360	-.03070	.03160
.301	10.038	3.92790	.10290	.02160	.01140	-.17630	- 00660	- 03540	.04150
.300	12.013	3.92010	.10680	.02160	.00490	-.20390	-.01020	-.03880	.05190
GRADIENT	- 00116	.00201	.00008	- 00194	-.01771	-.00028	- 00341	00351	

RUN NO. 513/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.200	3.96630	.11900	.02440	.02190	.18990	.00960	.03340	-.11950
.499	-10.187	3.96930	.11870	.02330	.02180	.17040	.00280	.03140	-.08410
.499	-8.077	3.97070	.11770	.02420	.02320	.13730	.00110	.02600	-.06340
.500	-6.044	3.97990	.11360	.02580	.02700	.10460	-.00070	.01980	-.04220
.499	-4.019	3.99750	.10260	.02690	.03910	.06770	-.00140	.01220	-.02350
.500	-3.015	3.99260	.10640	.02960	.03510	.04740	-.00110	.00750	-.01550
.500	-2.053	3.99160	.10730	.03120	.03440	.02900	-.00100	.00370	-.00810
.500	-1.042	3.99080	.10440	.03140	.03580	.01120	-.00120	.00080	00050
.500	.030	3.98760	.10760	.03200	.03340	- 00960	-.00070	-.00200	00590
.501	1.008	3.98690	.11270	.03200	.03070	-.02620	-.00120	-.00480	01630
.499	2.033	3.98280	.11340	.03010	.02990	-.04500	-.00120	-.00900	.02450
.499	3.058	3.97700	.11630	.02910	.02620	-.06480	-.00120	-.01340	.03280
.499	4.041	3.97390	.11870	.02930	.02280	-.08320	-.00120	-.01740	.04130
.501	6.078	3.96170	.12270	.02680	.01550	-.12000	-.00140	- 02490	.05820
.500	8.062	3.95570	.12020	.02500	.01360	-.15220	- 00290	-.03090	.07790
.499	10.125	3.94880	.11830	.02570	.01220	-.17180	-.00990	-.03380	.11430
.500	12.129	3.93790	.12640	.02600	.00610	-.20250	-.01160	-.03750	.13380
GRADIENT	-.00268	.00189	.00004	- 00175	-.01855	00000	- 00349	00799	

ORIGINAL PAGE IS OF POOR QUALITY

CAS ORB TC5 AT39.3 (PRES. KI FO H15.6 V9.1)

(AGM122) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

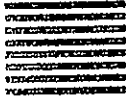
ALPHA1 = 2.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO 512/ 0 RN/L = 3.36 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.123	3.98870	.13940	.02900	.02060	.18910	.00960	.03180	-.15950
.599	-10.192	3.99000	.13440	.02760	.02180	.16850	.00360	.02970	-.11690
.601	-8.124	3.99370	.13270	.02780	.02190	.13970	.00040	.02570	-.08250
.600	-6.060	4.00230	.12740	.02870	.02700	.10820	-.00190	.01970	-.05170
.600	-4.023	4.01280	.12080	.03000	.03240	.07040	-.00230	.01210	-.02790
.600	-2.976	4.01180	.12010	.03200	.03180	.04780	-.00170	.00720	-.01790
.601	-1.992	4.01210	.12090	.03380	.03080	.02820	-.00130	.00330	-.00870
.601	-.985	4.01660	.11460	.03280	.03360	.00930	-.00120	.00040	.00150
.600	.023	4.00940	.11880	.03380	.03100	-.01180	.00000	-.00220	.00680
.600	1.031	4.00590	.12480	.03410	.02870	-.02870	-.00050	-.00500	.01930
.601	1.988	4.00610	.12450	.03210	.02900	-.04690	-.00020	-.00910	.02860
.600	3.071	4.00000	.12710	.03080	.02590	-.06840	.00010	-.01390	.03940
.600	4.092	3.99130	.13090	.03030	.02140	-.08810	.00010	-.01800	.05080
.599	6.074	3.97700	.13640	.02980	.01460	-.12230	-.00070	-.02480	.07500
.600	8.061	3.97320	.13460	.02860	.01430	-.15250	-.00290	-.03020	.10450
.600	10.176	3.96240	.13500	.03080	.01100	-.17030	-.01130	-.03210	.15910
.600	12.163	3.94420	.14920	.03160	.00120	-.20470	-.01200	-.03600	.18170
	GRADIENT	-.00239	.00130	-.00008	-.00116	-.01933	.00030	-.00353	.00956

RUN NO. 511/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.248	4.00180	.16610	.03920	.01690	.18750	.01130	.02960	-.20890
.700	-10.201	4.00130	.16300	.03580	.01740	.16940	.00390	.02790	-.14720
.700	-8.115	4.00820	.15730	.03500	.01960	.14160	.00000	.02440	-.10110
.700	-6.107	4.02470	.14870	.03420	.02650	.11130	-.00340	.01950	-.05710
.701	-4.019	4.03270	.14180	.03460	.02970	.07090	-.00290	.01150	-.03090
.701	-3.055	4.02960	.14020	.03610	.02870	.05050	-.00220	.00720	-.02090
.699	-1.982	4.01550	.14530	.03920	.02370	.02670	-.00080	.00270	-.01280
.700	-1.021	4.02760	.13260	.03670	.03010	.01040	-.00110	.00030	.00040
.699	.028	4.01740	.13950	.03920	.02520	-.01470	.00080	-.00240	.00470
.699	1.047	4.02040	.14110	.03780	.02650	-.03150	.00020	-.00530	.02140
.700	2.073	4.02080	.14200	.03610	.02730	-.05170	.00100	-.00970	.03040
.699	3.074	4.01780	.14490	.03520	.02580	-.07260	.00160	-.01430	.04180
.700	4.070	4.01030	.14890	.03510	.02170	-.09140	.00150	-.01830	.05620
.700	6.113	3.99300	.15740	.03630	.01550	-.12420	-.00050	-.02420	.09370
.700	8.137	3.98160	.16310	.03700	.01120	-.15500	-.00300	-.02880	.13250
.700	10.174	3.96700	.16980	.03920	.00450	-.17870	-.00840	-.03150	.18490
.701	12.256	3.94950	.17440	.04160	-.00340	-.20460	-.01280	-.03470	.23270
	GRADIENT	-.00200	.00073	-.00009	-.00061	-.01998	.00056	-.00351	.01057



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 361

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AQM123) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

ALPHA I = 8.000 STAB = -2 000
 RUD-U = 10.000 RUD-L = 10 000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4 000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.299	-12.054	9.79270	.26780	.04380	.03630	.16050	-.00040	.04110	- 03530
.301	-10.095	9.79270	.27000	.04480	.03640	.14050	-.00320	.03660	- 02670
.299	-8.056	9.79460	.27190	.04700	.03720	.11210	-.00250	.02990	-.02130
.300	-6.004	9.79750	.27150	.04930	.03920	.08190	-.00110	.02160	-.01680
.301	-4.082	9.80500	.26760	.05030	.04730	.05640	-.00140	.01310	-.01010
.300	-3.013	9.80480	.26880	.05200	.04810	.04040	-.00100	.00810	-.00680
.299	-2.042	9.80190	.26800	.05350	.04870	.02680	-.00080	.00420	-.00390
.299	-1.126	9.80200	.26600	.05430	.05010	.01430	-.00100	.00130	- 00100
.301	-.053	9.80350	.26950	.05510	.04860	-.00400	-.00050	-.00230	-.00210
.301	1.017	9.80170	.27410	.05490	.04440	-.01800	-.00080	-.00520	00550
.299	2.044	9.80010	.27540	.05420	.04260	-.03310	-.00050	-.00980	00860
.301	3.037	9.80170	.27700	.05340	.04050	-.04840	-.00030	-.01450	01190
.301	4.035	9.80000	.27740	.05250	.03770	-.06280	.00020	-.01860	.01440
.301	5.046	9.79220	.27780	.05070	.03150	-.09220	.00140	-.02750	.01950
.299	6.063	9.78970	.27150	.04720	.03030	-.12340	.00320	-.03570	.02350
.301	10.078	9.79180	.27010	.04540	.02770	-.14530	.00040	-.04120	.03330
.300	12.061	9.78200	.27780	.04610	.01640	-.17210	.00060	-.04680	.03820
GRADIENT	-.00054	.00143	.00025	-.00130	-.01470	.00015	-.00376	.00305	

RUN NO 517/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.499	-12.131	9.87100	.28820	.04380	.04070	.15860	.00110	.04110	-.09320
.501	-10.040	9.86380	.28800	.04330	.03880	.14160	-.00450	.03720	- 06230
.499	-8.182	9.86890	.28610	.04460	.03870	.11500	-.00360	.03090	-.05090
.500	-6.054	9.87100	.28420	.04640	.04100	.08280	-.00200	.02230	- 03910
.500	-4.073	9.88090	.28210	.04750	.04760	.05670	-.00220	.01330	-.02200
.501	-3.118	9.87880	.28300	.04890	.04780	.04240	-.00180	.00860	-.01480
.500	-1.990	9.88060	.28180	.05040	.04870	.02430	-.00120	.00380	-.00720
.500	-.987	9.88260	.27850	.05050	.05050	.00980	-.00090	.00070	-.00050
.500	-.021	9.87770	.28170	.05130	.04830	-.00780	.00010	-.00240	.00440
.500	.975	9.87360	.28710	.05180	.04510	-.02150	.00010	-.00540	.01160
.499	2.019	9.87100	.28840	.05050	.04320	-.03740	.00080	-.01010	01810
.500	3.057	9.86740	.29100	.05000	.04020	-.05310	.00120	-.01480	.02590
.500	4.073	9.86250	.29180	.04930	.03700	-.06900	.00200	-.01960	.03200
.500	6.093	9.85130	.29320	.04820	.03060	-.09750	.00270	-.02860	.04640
.500	7.965	9.85040	.28800	.04550	.03070	-.12660	.00400	-.03650	.05790
.501	10.083	9.85200	.28540	.04530	.03200	-.14420	-.00090	-.04160	.06760
.501	12.097	9.84160	.29780	.04720	.02200	-.16880	-.00150	-.04660	.10310
GRADIENT	- 00222	.00138	.00020	-.00133	-.01545	.00050	-.00386	.00656	

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15.6 V9 1)

(AGM123) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN XO
 LREF = 474 8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

ALPHA1 = 8 000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 516/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.107	9.91460	.30520	.05010	.04200	.15690	.00130	.04020	- 12460
.600	-10.061	9.90980	.30470	.04820	.03910	.14200	-.00420	.03660	-.08430
.601	-8.083	9.90840	.30190	.04900	.03910	.11390	-.00450	.03060	-.06300
.599	-6.060	9.91910	.29830	.04950	.04230	.08600	-.00360	.02250	-.04560
.600	-3.977	9.92800	.29620	.04990	.04680	.05790	-.00340	.01300	-.02350
.600	-3.043	9.92640	.29620	.05130	.04650	.04240	-.00260	.00820	-.01560
.600	-2.033	9.92750	.29460	.05260	.04730	.02520	-.00140	.00380	-.00920
.600	-1.043	9.92620	.28960	.05180	.04990	.00940	-.00080	.00040	-.00070
.600	.041	9.92920	.29280	.05290	.04760	-.00920	.00060	-.00260	.00410
.600	.955	9.92440	.29960	.05400	.04430	-.02260	.00080	-.00560	.01260
.600	2.007	9.92050	.30010	.05240	.04360	-.03990	.00190	-.01030	.01980
.601	2.984	9.91570	.30280	.05180	.04070	-.05550	.00260	-.01490	.02860
.601	4.016	9.90840	.30540	.05160	.03700	-.07180	.00350	-.01990	.03690
.600	6.021	9.89580	.30730	.05180	.03150	-.09820	.00360	-.02880	.05790
.600	8.100	9.89870	.30340	.04920	.03360	-.12920	.00480	-.03700	.07510
.601	10.114	9.89890	.30230	.05120	.03380	-.14260	-.00150	-.04090	.11920
.601	12.149	9.87840	.32070	.05460	.02060	-.16930	-.00220	-.04610	.14150
	GRADIENT	-.00213	.00129	.00017	-.00116	-.01621	.00086	-.00391	.00741

RUN NO. 515/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.151	9.93430	.33250	.06610	.03700	.16470	.00110	.03650	- .15560
.700	-10.081	9.93550	.32900	.06240	.03830	.14460	-.00410	.03340	- 10440
.700	-8.106	9.93830	.32190	.05990	.04030	.11840	-.00570	.02930	-.07230
.700	-6.035	9.95230	.31720	.05900	.04550	.09230	-.00650	.02200	-.04140
.700	-3.998	9.95340	.31580	.05720	.04610	.06150	-.00460	.01260	-.02350
.700	-3.091	9.95240	.31630	.05860	.04500	.04510	-.00330	.00810	-.01590
.700	-2.057	9.94640	.31900	.06150	.04240	.02440	-.00110	.00320	-.01210
.700	-1.037	9.95520	.30620	.05810	.04860	.00970	-.00060	.00010	-.00190
.701	.044	9.94850	.31250	.06040	.04410	-.01130	.00150	-.00270	.00060
.700	1.044	9.94430	.31670	.06070	.04300	-.02560	.00180	-.00600	.01170
.700	1.984	9.94660	.31710	.05930	.04380	-.04310	.00340	-.01060	.01740
.699	3.016	9.94260	.31860	.05850	.04230	-.06170	.00480	-.01580	.02590
.699	4.056	9.93390	.32240	.05950	.03850	-.07740	.00570	-.02060	.03570
.700	6.113	9.92890	.32560	.06150	.03580	-.10390	.00500	-.02870	.06680
.701	8.052	9.92420	.32760	.06280	.03470	-.13260	.00540	-.03460	.08960
.700	10.147	9.91230	.33290	.06680	.02970	-.15170	.00040	-.03790	.13870
.700	12.192	9.90430	.33230	.07000	.02570	-.17970	.00000	-.04260	.16460
	GRADIENT	-.00195	.00066	.00012	-.00068	-.01724	.00127	-.00392	.00716

CAS ORB TC5 AT38.3 (PRES. K1 FO H15.6 V9 1)

(AGM124) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 TORB = 4.000

RUN NO. 525/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.068	7.83790	.21200	.03010	.02840	.17340	.00260	.03880	-.03950
300	-10.059	7.94080	.21180	.03030	.03050	.15300	-.00100	.03450	-.02930
300	-8.047	7.84640	.21210	.03210	.03180	.12260	-.00050	.02830	-.02420
301	-6.042	7.84880	.21490	.03440	.03310	.09220	-.00030	.02080	-.01820
299	-4.070	7.85470	.20820	.03580	.04250	.06240	-.00040	.01260	-.01160
300	-3.043	7.85450	.20870	.03740	.04230	.04580	-.00030	.00790	-.00820
299	-2.044	7.85370	.20740	.03990	.04330	.03130	-.00040	.00410	-.00500
300	-1.044	7.85470	.20620	.04010	.04460	.01610	-.00090	.00100	-.00120
.301	.073	7.84950	.20950	.04070	.04310	-.00270	-.00070	-.00240	.00210
300	1.066	7.84760	.21370	.04030	.03920	-.01720	-.00100	-.00540	.00540
.299	2.031	7.84620	.21550	.03950	.03720	-.03340	-.00120	-.00990	.00910
300	3.100	7.84540	.21700	.03870	.03520	-.05010	-.00100	-.01420	.01240
.299	4.092	7.84210	.21930	.03790	.03100	-.06480	-.00120	-.01830	.01580
.299	6.095	7.83790	.21840	.03530	.02700	-.09930	.00060	-.02660	.02000
.299	8.080	7.83450	.21390	.03260	.02440	-.12900	.00080	-.03380	.02580
301	10.089	7.83110	.21240	.03170	.02140	-.15340	-.00190	-.03870	.03520
.301	12.054	7.82210	.22150	.03210	.01000	-.17990	-.00310	-.04410	.04240
GRADIENT	-.00163	.00152	.00022	-.00138	-.01564	-.00011	-.00366	.00336	

RUN NO. 524/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.131	7.89660	.23020	.03310	.03140	.16830	.00460	.03800	-.10330
.500	-10.071	7.89840	.22950	.03180	.03200	.15190	-.00170	.03460	-.07010
.499	-8.072	7.90030	.22800	.03310	.03230	.12160	-.00150	.02860	-.05590
.500	-6.030	7.90500	.22610	.03500	.03460	.09020	-.00120	.02110	-.04110
.500	-4.070	7.91540	.22120	.03620	.04200	.06060	-.00130	.01280	-.02480
.500	-3.093	7.91440	.22220	.03790	.04190	.04360	-.00100	.00800	-.01710
.501	-2.076	7.91510	.22070	.03920	.04280	.02640	-.00070	.00390	-.00950
.501	-1.086	7.91870	.21840	.03950	.04430	.01180	-.00080	.00090	-.00160
.501	.020	7.91490	.22080	.04020	.04280	-.00850	.00000	-.00230	.00440
.501	1.039	7.91360	.22610	.04030	.03980	-.02410	-.00020	-.00540	.01310
.499	2.070	7.90820	.22790	.03910	.03760	-.04030	.00000	-.00990	.02060
.501	3.039	7.90540	.23050	.03850	.03490	-.05720	.00040	-.01430	.02810
.501	4.044	7.89890	.23350	.03800	.03070	-.07190	.00030	-.01860	.03660
.499	6.068	7.88850	.23560	.03660	.02460	-.10570	.00180	-.02700	.04780
.499	8.126	7.88910	.22870	.03390	.02520	-.13620	.00140	-.03430	.06510
.500	10.162	7.88400	.22630	.03440	.02560	-.15470	-.00360	-.03860	.09480
.499	12.166	7.86910	.23880	.03640	.01400	-.17990	-.00540	-.04350	.11360
GRADIENT	-.00182	.00157	.00016	-.00132	-.01635	.00021	-.00369	.00744	

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OF POOR QUALITY

CAS ORB TCS AT38.3 (PRES. K1 F0 H15.8 V9.1)

(AGM124) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

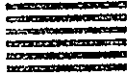
ALPHA1 = 6 000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10.000
 ELV-18 = .000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 523/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.601	-12.206	7.93220	.24810	.03690	.03160	.16540	.00590	.03710	-.14360
.599	-10.138	7.93400	.24550	.03650	.03280	.15140	-.00110	.03380	-.09610
.600	-8.107	7.93210	.24460	.03720	.03110	.12350	-.00260	.02860	-.07050
.600	-6.142	7.93970	.24140	.03820	.03460	.09260	-.00240	.02100	-.05010
.600	-4.122	7.94870	.23630	.03860	.03980	.06350	-.00250	.01310	-.02890
.600	-3.033	7.94620	.23640	.04050	.03910	.04340	-.00160	.00770	-.01910
.601	-2.050	7.94800	.23540	.04180	.04020	.02520	-.00090	.00360	-.01130
.600	-1.044	7.95180	.22980	.04090	.04290	.01040	-.00080	.00070	-.00170
.600	.034	7.94840	.23310	.04200	.04090	-.01040	.00060	-.00240	.00410
.600	.999	7.94470	.23950	.04270	.03820	-.02530	.00040	-.00540	.01470
.601	2.074	7.94170	.24000	.04100	.03740	-.04310	.00100	-.01010	.02410
.600	3.086	7.93620	.24330	.04030	.03450	-.06020	.00150	-.01480	.03370
.601	4.128	7.92880	.24730	.04020	.02930	-.07730	.00180	-.01940	.04440
.600	6.089	7.91810	.25030	.04010	.02390	-.10940	.00250	-.02720	.06230
.600	8.113	7.92010	.24390	.03790	.02630	-.13550	.00150	-.03390	.08680
.600	10.177	7.91700	.24360	.04010	.02520	-.15330	-.00460	-.03760	.13080
.599	12.220	7.89420	.26000	.04250	.01220	-.18050	-.00560	-.04270	.15460
	GRADIENT	-.00210	.00136	.00008	-.00107	-.01701	.00051	-.00375	.00874

RUN NO. 522/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.256	7.96770	.27350	.05250	.03170	.16740	.00610	.03470	-.18040
.700	-10.142	7.96600	.27320	.04820	.03060	.15150	-.00090	.03210	-.12060
.700	-8.134	7.96580	.27030	.04660	.03040	.12560	-.00330	.02750	-.08370
.700	-6.092	7.97450	.26450	.04550	.03490	.09540	-.00380	.02100	-.05530
.699	-4.054	7.98220	.25920	.04470	.03780	.06440	-.00340	.01250	-.03000
.699	-3.061	7.97920	.25830	.04580	.03700	.04530	-.00250	.00770	-.01960
.699	-2.025	7.97120	.26110	.04850	.03450	.02440	-.00060	.00320	-.01440
.699	-1.010	7.98210	.24900	.04560	.04050	.00910	-.00060	.00020	-.00180
.699	-.024	7.97500	.25420	.04720	.03710	-.01240	.00120	-.00250	.00200
.699	1.048	7.97040	.26020	.04820	.03530	-.02720	.00100	-.00560	.01560
.699	2.079	7.97330	.25990	.04630	.03620	-.04640	.00250	-.01040	.02280
.701	3.107	7.97200	.26280	.04600	.03490	-.06470	.00320	-.01520	.03410
.700	4.002	7.96380	.26550	.04620	.03170	-.07990	.00390	-.01920	.04310
.699	6.138	7.95370	.27200	.04790	.02660	-.10990	.00280	-.02690	.07680
.699	8.133	7.95190	.27230	.04850	.02550	-.13890	.00180	-.03300	.10750
.699	10.186	7.94330	.27480	.05160	.02280	-.16030	-.00270	-.03650	.15430
.699	12.196	7.92040	.28070	.05490	.01300	-.18290	-.00570	-.04100	.19310
	GRADIENT	-.00168	.00078	.00008	-.00053	-.01779	.00089	-.00374	.00894



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 365

CA5 ORB TC5 AT38.3 (PRES. KI FO H15.1A V9.1)

(AGM125) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELY-1B = .000 ELY-OB = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO 529/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.299	-.778	-.02960	-.01940	.03240	.02180	-.00700	-.00110	-.00150	.00280
.300	.197	-.02960	.00330	.03130	.02440	-.00690	-.00110	-.00150	.00280
.299	1.090	-.02970	.02600	.03110	.02740	-.00670	-.00100	-.00160	.00270
.300	1.955	-.02980	.04790	.03110	.03040	-.00650	-.00100	-.00170	.00260
.300	2.827	-.02980	.06940	.03130	.03320	-.00680	-.00090	-.00180	.00260
.300	3.630	-.02300	.08990	.03180	.03480	-.00670	-.00080	-.00190	.00240
.300	4.569	-.02330	.11490	.03330	.03680	-.00610	-.00070	-.00190	.00220
.299	5.525	-.02320	.14170	.03550	.03910	-.00640	-.00060	-.00200	.00230
.300	6.235	-.02330	.16240	.03770	.03990	-.00630	-.00060	-.00210	.00220
.300	7.177	-.02330	.18960	.04090	.04230	-.00610	-.00050	-.00220	.00220
.300	7.971	-.02340	.21290	.04440	.04410	-.00640	-.00040	-.00220	.00220
.299	8.830	-.02350	.23910	.04920	.04610	-.00620	-.00030	-.00230	.00200
.300	9.717	-.02360	.26670	.05460	.04850	-.00610	-.00020	-.00220	.00190
.300	10.457	-.01680	.29740	.05920	.05030	-.00600	-.00010	-.00220	.00180
.300	11.417	-.01700	.31310	.06500	.05290	-.00590	.00000	-.00220	.00160
.300	12.288	-.03090	.33590	.07270	.05570	-.00570	.00010	-.00220	.00150
.299	13.185	-.03110	.35380	.08000	.06000	-.00640	.00030	-.00220	.00130
.300	14.109	-.02430	.36950	.08740	.06550	-.00570	.00030	-.00220	.00120
.300	14.849	-.03130	.37920	.09310	.07050	-.00600	.00040	-.00220	.00110
.299	15.786	-.03140	.38860	.09990	.07690	-.00570	.00050	-.00230	.00110
.300	16.694	-.02470	.39460	.10620	.08400	-.00590	.00070	-.00220	.00080
.299	17.500	-.01810	.39780	.11150	.09160	-.00660	.00090	-.00190	.00050
GRADIENT		.00128	.02513	.00015	.00291	.00012	.00008	-.00009	-.00011

CA5 ORB TC5 AT39.3 (PRES. K1 F0 H15.1A V9.1)

(AOM125) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-19 = .000 ELV-09 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 528/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-.743	-.03340	-.01070	.03590	.02120	-.00920	-.00060	-.00150	.00600
.499	.222	-.01970	.01180	.03400	.02380	-.00940	-.00060	-.00160	.00580
.499	1.120	-.01990	.03490	.03300	.02640	-.00920	-.00050	-.00170	.00550
.501	2.004	-.02690	.05830	.03220	.02870	-.00920	-.00040	-.00180	.00550
.501	2.871	-.02730	.08060	.03200	.03110	-.00900	-.00030	-.00180	.00510
.499	3.678	-.02730	.10120	.03220	.03330	-.00890	-.00030	-.00190	.00510
.499	4.613	-.02760	.12640	.03310	.03510	-.00880	-.00020	-.00190	.00480
.500	5.564	-.02770	.15250	.03450	.03730	-.00860	-.00020	-.00200	.00470
.500	6.277	-.02090	.17200	.03600	.03920	-.00850	-.00010	-.00210	.00460
.500	7.210	-.02800	.19870	.03870	.04160	-.00860	.00000	-.00210	.00450
.499	8.037	-.03520	.22310	.04180	.04390	-.00850	.00010	-.00210	.00420
.499	8.892	-.03540	.25020	.04590	.04600	-.00820	.00010	-.00210	.00390
.499	9.748	-.03580	.27760	.05070	.04850	-.00830	.00030	-.00220	.00360
.500	10.535	-.03610	.29850	.05540	.05120	-.00790	.00040	-.00230	.00330
.499	11.504	-.03640	.32030	.06150	.05510	-.00780	.00050	-.00230	.00300
.500	12.401	-.03660	.33890	.06760	.05960	-.00800	.00060	-.00230	.00280
.499	13.281	-.03000	.35360	.07360	.06520	-.00790	.00070	-.00240	.00250
.499	14.215	-.03030	.36720	.08050	.07200	-.00780	.00080	-.00240	.00220
.500	14.989	-.02340	.37530	.08560	.07870	-.00790	.00090	-.00250	.00210
.499	15.925	-.03090	.38190	.09120	.08720	-.00800	.00100	-.00230	.00160
.500	16.855	-.03160	.38550	.09650	.09650	-.00920	.00140	-.00230	.00080
.500	17.670	-.03220	.39000	.10150	.10620	-.01020	.00170	-.00220	.00020
	GRADIENT	-.00017	.02570	-.00053	.00254	.00010	.00008	-.00008	-.00022

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB TC5 AT38.3 (PRES. KI FO HIS.1A V9.1)

(AOM125) (20 JAN 78)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474 8100 IN. YMRP = 0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = 0300

BETA = .000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-18 = 000 ELV-08 = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 TORB = 4.000

RUN NO. 527/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.599	-.729	-.00580	-.00270	.03800	.01970	-.01010	-.00020	-.00160	.00590
.600	.239	-.00620	.02070	.03600	.02180	-.01000	-.00010	-.00170	.00550
.600	1.145	-.00640	.04380	.03450	.02460	-.01000	.00000	-.00170	.00520
.599	2.016	-.00650	.06790	.03370	.02680	-.01000	.00000	-.00180	.00520
.600	2.863	-.00670	.08910	.03340	.02900	-.00980	.00010	-.00180	.00500
.600	3.674	-.01390	.11020	.03350	.03090	-.01000	.00020	-.00190	.00470
.600	4.615	-.01400	.13520	.03430	.03320	-.01010	.00030	-.00200	.00460
.600	5.567	-.02090	.16120	.03560	.03540	-.01010	.00030	-.00200	.00460
.601	6.295	-.01440	.18210	.03720	.03720	-.00990	.00040	-.00210	.00420
.600	7.192	-.01470	.20900	.03990	.03960	-.00960	.00050	-.00210	.00390
.600	7.997	-.01500	.23300	.04290	.04180	-.00950	.00050	-.00210	.00360
.600	8.847	-.02920	.25950	.04680	.04420	-.00910	.00060	-.00210	.00320
.600	9.743	-.02950	.28640	.05180	.04750	-.00900	.00070	-.00220	.00290
.599	10.434	-.02280	.30350	.05580	.05040	-.00870	.00080	-.00230	.00270
.599	11.403	-.02310	.32340	.06170	.05510	-.00880	.00090	-.00240	.00240
.600	12.295	-.03080	.33980	.06770	.06050	-.00880	.00100	-.00230	.00170
.600	13.067	-.03080	.35320	.07330	.06620	-.00910	.00120	-.00260	.00170
.599	14.028	-.03900	.36590	.08000	.07430	-.00920	.00140	-.00210	.00030
.600	14.828	-.03960	.37530	.08550	.08190	-.00940	.00150	-.00200	-.00030
.600	15.747	-.03300	.38490	.09190	.09200	-.00980	.00160	-.00180	-.00070
.600	16.710	-.03400	.39540	.09940	.10200	-.01020	.00180	-.00150	-.00160
.601	17.441	-.03460	.40400	.10550	.11040	-.01050	.00190	-.00130	-.00230
.600	17.889	-.03510	.40960	.10980	.11540	-.01080	.00200	-.00130	-.00290
	GRADIENT	-.00162	.02591	-.00071	.00255	.00001	.00009	-.00007	-.00023

CA5 ORB TC5 AT38.3 (PRES. K1 F0 H15 IA V9.1)

(AOM125) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375 0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 SS-6 = .000 IORB = 4 000

RUN NO. 526/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.699	-.727	-.01410	.01060	.04250	.01640	-.01160	.00040	-.00160	.00440
.700	.243	-.00730	.03430	.04020	.01660	-.01170	.00050	-.00170	.00430
.700	1.139	-.01470	.05800	.03860	.02110	-.01160	.00050	-.00180	.00390
.700	2.059	-.01520	.08260	.03770	.02360	-.01170	.00070	-.00180	.00340
.699	2.881	-.00870	.10420	.03720	.02520	-.01170	.00080	-.00190	.00290
.701	3.718	-.00900	.12770	.03770	.02680	-.01180	.00080	-.00200	.00270
.699	4.652	-.00960	.15270	.03810	.02950	-.01170	.00100	-.00200	.00210
.699	5.600	-.01640	.17980	.03970	.03180	-.01160	.00100	-.00210	.00220
.700	6.265	-.01680	.19980	.04140	.03330	-.01140	.00100	-.00210	.00180
.701	7.182	-.01010	.22730	.04420	.03610	-.01110	.00110	-.00210	.00150
.700	8.025	-.00360	.25290	.04790	.03820	-.01070	.00120	-.00220	.00110
.701	8.860	-.00410	.27760	.05210	.04150	-.01030	.00120	-.00210	.00060
.700	9.764	-.02540	.30370	.05820	.04480	-.01010	.00130	-.00220	.00010
.700	10.522	-.03280	.32060	.06330	.04930	-.01010	.00150	-.00230	-.00040
.700	11.511	-.02670	.33980	.07100	.05460	-.01020	.00160	-.00230	-.00120
.700	12.421	-.03480	.35460	.07890	.06150	-.00970	.00180	-.00200	-.00250
.700	13.207	-.03540	.36750	.08620	.06760	-.00970	.00190	-.00190	-.00310
.700	13.489	-.02980	.37350	.08970	.06940	-.01010	.00210	-.00180	-.00440
	GRADIENT	.00064	.02654	-.00080	.00241	-.00002	.00011	-.00008	-.00045

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS ORB NOZ AT38.3 (PRES. KI FO H15.6 V9 1)

(AGM126) (20 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 533/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-.757	-.02400	-.04260	.05740	.04720	-.00980	-.00010	-.00170	.00150
.300	.226	-.02410	-.02020	.05600	.04890	-.00920	.00000	-.00180	.00140
.299	1.132	-.01700	.00350	.05510	.05130	-.00910	-.00010	-.00180	.00160
.301	1.973	-.03110	.02510	.05490	.05370	-.00890	.00010	-.00180	.00130
.300	2.774	-.03100	.04490	.05440	.05540	-.00920	.00010	-.00190	.00140
.299	3.641	-.02430	.06640	.05470	.05710	-.00930	.00010	-.00190	.00120
.301	4.606	-.01720	.09190	.05520	.05890	-.00850	.00010	-.00200	.00130
.299	5.559	-.02430	.11820	.05690	.06160	-.00840	.00020	-.00210	.00120
.301	6.377	-.03130	.14020	.05840	.06290	-.00820	.00030	-.00210	.00110
.301	7.271	-.03140	.16490	.06120	.06530	-.00840	.00040	-.00220	.00100
.300	8.037	-.02470	.18810	.06420	.06750	-.00790	.00060	-.00220	.00080
.301	8.889	-.03170	.21270	.06810	.07000	-.00820	.00070	-.00220	.00080
.300	9.767	-.01790	.23970	.07350	.07310	-.00880	.00080	-.00210	.00070
.300	10.574	-.03180	.26160	.07790	.07530	-.00870	.00080	-.00210	.00050
.300	11.546	-.03200	.28660	.08410	.07800	-.00890	.00110	-.00220	.00040
.300	12.394	-.03220	.30830	.09030	.08130	-.00880	.00120	-.00200	.00020
.301	13.313	-.02570	.32620	.09750	.08600	-.00900	.00150	-.00200	-.00020
.300	14.265	-.03270	.34220	.10520	.09180	-.00920	.00170	-.00210	-.00040
.300	14.982	-.03280	.35020	.11090	.09640	-.00980	.00180	-.00210	-.00040
.300	15.925	-.03290	.36000	.11780	.10260	-.00960	.00190	-.00210	-.00050
.300	16.772	-.02630	.36620	.12400	.10880	-.01020	.00210	-.00200	-.00080
.301	17.633	-.02630	.37080	.13020	.11570	-.01040	.00220	-.00190	-.00090
	GRADIENT	.00028	.02516	-.00041	.00226	.00023	.00004	-.00005	-.00005

CA5 ORB NOZ AT38.3 (PRES. KI FO H15.6 V9.1)

(A0M126) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

BETA = 000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 JORB = 4.000

RUN NO. 532/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-.702	-.01570	-.04000	.06080	.05090	-.00960	.00020	-.00150	.00290
.499	.268	-.02280	-.01680	.05930	.05270	-.00940	.00020	-.00160	.00270
.500	1.172	-.02980	.00670	.05670	.05450	-.00910	.00020	-.00160	.00260
.500	2.042	-.01620	.03040	.05530	.05630	-.00900	.00030	-.00170	.00240
.500	2.813	-.02310	.04920	.05480	.05800	-.00900	.00030	-.00180	.00240
.499	3.652	-.02330	.07170	.05450	.05980	-.00890	.00040	-.00180	.00220
.499	4.573	-.02340	.09520	.05460	.06170	-.00890	.00050	-.00190	.00210
.501	5.512	-.02360	.12070	.05530	.06420	-.00870	.00050	-.00190	.00190
.501	6.296	-.01680	.14270	.05650	.06610	-.00860	.00060	-.00190	.00170
.499	7.207	-.01720	.16840	.05850	.06850	-.00870	.00070	-.00190	.00140
.501	8.028	-.01050	.19210	.06080	.07080	-.00840	.00080	-.00190	.00110
.500	8.875	-.01090	.21740	.06410	.07310	-.00830	.00090	-.00200	.00080
.499	9.753	-.01830	.24550	.06880	.07560	-.00870	.00110	-.00200	.00030
.499	10.519	-.01850	.26590	.07300	.07820	-.00870	.00120	-.00200	.00010
.500	11.487	-.01890	.28780	.07830	.08230	-.00880	.00140	-.00210	-.00030
.499	12.388	-.01230	.30580	.08420	.08680	-.00910	.00150	-.00210	-.00070
.500	13.212	-.01260	.32110	.08980	.09180	-.00950	.00170	-.00220	-.00100
.500	14.150	-.03400	.33470	.09640	.09870	-.00940	.00190	-.00210	-.00160
.499	14.885	-.03420	.34330	.10130	.10430	-.00960	.00200	-.00220	-.00180
.500	15.825	-.03460	.34960	.10690	.11290	-.00990	.00220	-.00220	-.00230
.501	16.775	-.03540	.35370	.11190	.12280	-.01090	.00250	-.00200	-.00310
.500	17.535	-.03580	.35820	.11670	.13080	-.01150	.00270	-.00200	-.00350
.501	17.809	-.02210	.35880	.11810	.13410	-.01160	.00270	-.00180	-.00370
GRADIENT		-.00074	.02579	-.00117	.00207	.00013	.00006	-.00007	-.00015

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB NOZ AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM128) (20 JAN 75)

REFERENCE DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 531/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CO	CLM	CY	CLN	CSL	D1ORB
.600	-.667	-.02200	-.03700	.06220	.05350	-.00900	.00020	-.00150	.00350
.600	.288	-.02230	-.01420	.05950	.05510	-.00890	.00020	-.00160	.00320
.599	1.175	-.02220	.00960	.05750	.05690	-.00870	.00020	-.00160	.00320
.599	2.075	-.01540	.03380	.05620	.05880	-.00840	.00030	-.00160	.00310
.599	2.874	-.02270	.05420	.05520	.06060	-.00830	.00040	-.00170	.00280
.600	3.664	-.02970	.07470	.05460	.06240	-.00840	.00040	-.00180	.00270
.599	4.560	-.01610	.09880	.05470	.06430	-.00830	.00050	-.00180	.00250
.600	5.507	-.01640	.12470	.05550	.06660	-.00830	.00060	-.00190	.00220
.600	6.188	-.01680	.14400	.05640	.06830	-.00810	.00060	-.00190	.00180
.600	7.119	-.01690	.17080	.05830	.07060	-.00780	.00070	-.00190	.00160
.600	7.994	-.01760	.19640	.06080	.07290	-.00780	.00080	-.00190	.00100
.601	8.754	-.01790	.22030	.06380	.07500	-.00790	.00090	-.00190	.00070
.599	9.615	-.01830	.24560	.06790	.07770	-.00820	.00110	-.00200	.00030
.600	10.371	-.01190	.26600	.07170	.08070	-.00820	.00120	-.00210	-.00020
.599	11.340	-.02620	.28630	.07700	.08530	-.00850	.00140	-.00200	-.00070
.599	12.324	-.03360	.30330	.08290	.09120	-.00870	.00150	-.00210	-.00120
.600	13.067	-.04100	.31620	.08780	.09660	-.00910	.00180	-.00230	-.00170
.600	14.017	-.03500	.32780	.09380	.10560	-.00910	.00180	-.00180	-.00260
.600	14.833	-.03570	.33750	.09890	.11350	-.00930	.00200	-.00180	-.00340
.600	15.727	-.03650	.34590	.10450	.12310	-.01010	.00230	-.00160	-.00430
.599	16.687	-.03700	.35660	.11160	.13350	-.01020	.00230	-.00130	-.00480
.601	17.359	-.03750	.36420	.11740	.14070	-.01020	.00240	-.00110	-.00530
.599	17.955	-.04490	.37270	.12280	.14690	-.01060	.00250	-.00110	-.00590
GRADIENT		.00014	.02609	-.00145	.00210	.00015	.00006	-.00006	-.00018

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB NOZ AT38.3 (PRES. KI FO H15.6 V9 1)

(AGM126) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 4.000

RUN NO. 530/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-.645	-.02130	-.03330	.06560	.05720	-.00920	.00020	-.00150	.00420
.700	305	-.02150	-.01030	.06260	.05880	-.00900	.00030	-.00150	.00400
.700	1.193	-.02160	.01400	.06030	.06050	-.00890	.00030	-.00150	.00390
.699	2.144	-.02160	.04010	.05950	.06260	-.00850	.00030	-.00160	.00390
.699	2.933	-.01430	.05980	.05840	.06570	-.00550	-.00110	-.00060	.01120
.700	3.753	-.01390	.08170	.05810	.06740	-.00520	-.00120	-.00060	.01160
.699	4.666	-.01370	.10800	.05810	.06940	-.00500	-.00120	-.00060	.01180
.699	5.608	-.01180	.13470	.05890	.07180	-.00400	-.00160	-.00050	.01370
.699	6.266	-.00560	.15320	.05970	.07340	-.00420	-.00150	-.00050	.01310
.700	7.199	-.01340	.18130	.06200	.07560	-.00390	-.00140	-.00060	.01220
.700	8.060	-.03180	.20790	.06350	.07620	-.00780	.00090	-.00190	.00060
.699	8.839	-.02570	.23190	.06680	.07860	-.00780	.00110	-.00190	-.00020
.700	9.729	-.02670	.25710	.07150	.08240	-.00780	.00130	-.00200	-.00120
.700	10.482	-.02750	.27450	.07590	.08670	-.00820	.00150	-.00210	-.00200
.700	11.460	-.02880	.29140	.08160	.09390	-.00830	.00170	-.00210	-.00340
.700	12.432	-.03640	.30590	.08830	.10190	-.00800	.00180	-.00180	-.00410
.700	13.200	-.03730	.31720	.09480	.10900	-.00800	.00190	-.00170	-.00500
.700	13.900	-.03640	.32830	.10120	.11640	-.00830	.00210	-.00160	-.00610
.699	14.157	-.03850	.33160	.10320	.11870	-.00820	.00210	-.00150	-.00630
	GRADIENT	.00182	.02661	-.00137	.00240	.00095	-.00035	.00022	.00182

CAS ORB NOZ AT38.3 (PRES. K1 F0 H15.6 V9.1)

(AGM127) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6900 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 IORB = 4 000

RUN NO. 538/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.034	7.84260	.19470	.05860	.04450	.19570	-.01110	.04070	- .02100
.299	-10.058	7.84680	.19140	.06000	.04910	.16470	-.01010	.03470	-.01640
.300	-8.050	7.85080	.18860	.06180	.05230	.13100	-.00720	.02740	-.01450
.299	-6.048	7.85370	.19080	.06290	.05570	.09850	-.00500	.01970	-.01130
.300	-4.019	7.85690	.19030	.06330	.05930	.06570	-.00230	.01200	-.00890
.300	-3.062	7.85730	.18800	.06410	.06150	.04710	-.00110	.00770	-.00700
.300	-2.063	7.85800	.18440	.06400	.06380	.03210	-.00090	.00400	-.00440
.299	-1.045	7.85840	.18170	.06380	.06510	.01410	.00020	.00090	-.00260
.299	.043	7.85890	.18240	.06410	.06630	-.00410	.00120	-.00210	-.00080
.299	1.054	7.85640	.18850	.06590	.06210	-.02210	.00250	-.00490	.00040
.300	2.018	7.85750	.19120	.06630	.05960	-.03710	.00260	-.00860	.00330
.300	3.079	7.85610	.19370	.06630	.05640	-.05500	.00370	-.01300	.00530
.300	4.042	7.85190	.19420	.06670	.05390	-.07140	.00470	-.01690	.00710
.300	6.107	7.84750	.19360	.06490	.04940	-.10660	.00710	-.02500	.01030
.300	8.019	7.83960	.18890	.06230	.04570	-.13700	.00930	-.03280	.01320
.299	10.071	7.83670	.19060	.05960	.04040	-.17150	.01090	-.04000	.01750
.300	12.082	7.83040	.19340	.05810	.03370	-.20170	.01110	-.04640	.02330
	GRADIENT	-.00044	.00087	.00044	-.00081	-.01689	.00085	-.00342	.00196

RUN NO. 537/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.143	7.91420	.21110	.05870	.04950	.19510	-.01080	.04080	-.05370
.500	-10.052	7.92220	.20310	.05910	.05350	.16350	-.01090	.03490	-.03800
.499	-8.117	7.92790	.19980	.05990	.05720	.13070	-.00790	.02790	-.03360
.500	-6.035	7.93340	.19750	.06060	.06030	.09660	-.00540	.02020	-.02630
.500	-4.049	7.93910	.19720	.06070	.06400	.06280	-.00290	.01210	-.01890
.499	-3.049	7.94120	.19560	.06170	.06600	.04470	-.00160	.00750	-.01470
.499	-2.102	7.94250	.19220	.06150	.06800	.02940	-.00130	.00390	-.00800
.500	-1.053	7.94480	.18920	.06060	.07010	.01140	-.00010	.00090	-.00430
.500	.016	7.94490	.18950	.06100	.07020	-.00700	.00090	-.00200	.00040
.500	1.086	7.94070	.19580	.06240	.06620	-.02620	.00200	-.00520	.00490
.500	2.019	7.93750	.19890	.06360	.06360	-.04010	.00230	-.00870	.01100
.500	3.097	7.93370	.20230	.06350	.06050	-.05840	.00320	-.01320	.01660
.500	4.089	7.92930	.20380	.06380	.05800	-.07550	.00460	-.01730	.02000
.500	6.054	7.92280	.20260	.06300	.05410	-.10850	.00700	-.02540	.02720
.499	8.048	7.91650	.19910	.06090	.05120	-.14140	.00930	-.03350	.03530
.500	10.057	7.91110	.20170	.05890	.04770	-.17430	.01090	-.04070	.04550
.499	12.059	7.90400	.20910	.05830	.04280	-.20720	.01220	-.04710	.05610
	GRADIENT	-.00124	.00109	.00039	-.00087	-.01693	.00088	-.00343	.00483

CA5 ORB NOZ AT38.3 (PRES. KI FO H15.6 V9 1)

(AGM127) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 536/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.600	-12.118	7.96560	.22750	.06110	.05240	.19470	-.01100	.04060	-.07080
.600	-10.122	7.96960	.22000	.06140	.05540	.16930	-.01260	.03580	-.04590
.600	-8.106	7.97630	.21080	.06230	.05060	.13180	-.00850	.02840	-.04280
.600	-6.049	7.98540	.20920	.06260	.05380	.09810	-.00600	.02020	-.03290
.601	-4.082	7.99080	.20740	.06200	.05670	.06420	-.00330	.01230	-.02430
.601	-3.018	7.99300	.20390	.06230	.05870	.04440	-.00180	.00740	-.01840
.601	-1.020	7.99780	.19630	.06090	.07260	.01090	-.00020	.00070	-.00510
.600	.016	7.99820	.19690	.06130	.07270	-.00690	.00090	-.00190	.00020
.600	1.095	7.99290	.20340	.06300	.06930	-.02530	.00190	-.00500	.00640
.600	2.043	7.98890	.20780	.06410	.06540	-.04020	.00240	-.00880	.01400
.600	3.081	7.98390	.21140	.06460	.06370	-.05780	.00330	-.01320	.02190
.601	4.067	7.98000	.21290	.06460	.05110	-.07550	.00480	-.01740	.02580
.600	6.056	7.97090	.21270	.06450	.05730	-.10940	.00730	-.02570	.03570
.599	8.091	7.96480	.21070	.06270	.05490	-.14450	.01030	-.03420	.04420
.599	10.066	7.95860	.21560	.06140	.05160	-.17460	.01070	-.04030	.05160
.599	12.145	7.95110	.22740	.06190	.04590	-.20960	.01290	-.04730	.07320
GRADIENT		-.00139	.00101	.00039	-.00076	-.01698	.00093	-.00349	.00629

RUN NO. 535/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D10RB
.700	-12.156	8.01570	.25070	.06840	.05620	.19790	-.01130	.03990	-.08830
.700	-10.093	8.02270	.23910	.06710	.05050	.17180	-.01370	.03590	-.05170
.700	-8.112	8.03220	.23000	.06740	.05440	.13340	-.00940	.02820	-.04880
.700	-6.075	8.03700	.22720	.06670	.05740	.10000	-.00670	.02050	-.03850
.700	-4.032	8.04700	.22230	.06550	.07140	.06430	-.00340	.01180	-.02930
.699	-3.041	8.04750	.21910	.06530	.07250	.04610	-.00230	.00760	-.02090
.699	-2.030	8.04950	.21300	.06460	.07450	.02840	-.00130	.00350	-.01290
.699	-1.097	8.05070	.20850	.06350	.07640	.01240	-.00030	.00070	-.00650
.700	.002	8.05270	.20890	.06370	.07630	-.00660	.00100	-.00190	-.00060
.700	1.012	8.04890	.21530	.06520	.07360	-.02400	.00200	-.00480	.00640
.700	2.023	8.04450	.22180	.06670	.07070	-.04020	.00290	-.00890	.01450
.699	3.105	8.03950	.22620	.06750	.06810	-.05840	.00380	-.01340	.02470
.701	4.072	8.03610	.22780	.06770	.06540	-.07520	.00510	-.01750	.03030
.700	6.095	8.02700	.23060	.06850	.06280	-.11040	.00810	-.02600	.04060
.701	8.088	8.02240	.23230	.06830	.06080	-.14660	.01170	-.03450	.04800
.700	10.115	8.01090	.24100	.06830	.05550	-.18030	.01260	-.04050	.05910
.700	12.142	8.00020	.24840	.06890	.05050	-.21500	.01460	-.04730	.08370
GRADIENT		-.00131	.00113	.00035	-.00072	-.01711	.00103	-.00345	.00725

CA5 ORB N28 N24

(AGM128) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN. Y0
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. Z0
 SCALE = 0300

BETA = .000

RUN NO. 543/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-2.881	-.04050	.01230	.08360	.03170	.00650	.00010	-.00050	-.00120
.300	-1.920	-.05440	.04310	.08190	.03520	.00670	.00010	-.00060	-.00130
.300	-1.024	-.05470	.07750	.08170	.03890	.00690	.00030	-.00080	-.00150
.300	-.380	-.05470	.10240	.08120	.04180	.00710	.00030	-.00060	-.00160
.300	-.038	-.04770	.12120	.08220	.04290	.00830	.00030	-.00070	-.00150
.300	.575	-.04780	.14020	.08180	.04470	.00690	.00040	-.00070	-.00160
.299	1.522	-.04800	.17600	.08230	.04810	.00710	.00040	-.00080	-.00180
.299	2.286	-.04110	.20250	.08280	.05210	.00730	.00050	-.00090	-.00180
.299	3.233	-.05500	.23980	.08430	.05530	.00710	.00060	-.00110	-.00190
.299	4.054	-.05520	.27020	.08660	.05910	.00730	.00070	-.00110	-.00200
.300	4.967	-.04840	.30610	.08860	.06190	.00750	.00070	-.00120	-.00220
.300	5.915	-.05540	.34530	.09240	.06510	.00770	.00080	-.00120	-.00220
.299	6.660	-.04850	.38070	.09580	.06650	.00750	.00090	-.00120	-.00230
.299	7.552	-.04850	.41740	.10110	.07010	.00740	.00090	-.00140	-.00230
.300	8.397	-.05550	.45530	.10650	.07210	.00800	.00100	-.00150	-.00240
.300	9.269	-.05550	.49030	.11330	.07580	.00740	.00110	-.00170	-.00240
.300	10.244	-.05570	.52420	.12160	.08230	.00770	.00120	-.00160	-.00260
.299	10.962	-.04880	.55350	.12890	.08640	.00790	.00120	-.00160	-.00260
.299	11.930	-.05590	.59350	.14040	.09170	.00770	.00140	-.00150	-.00280
.299	12.840	-.05620	.63170	.15300	.09690	.00710	.00160	-.00120	-.00310
.300	13.627	-.04920	.66560	.16510	.10000	.00690	.00160	-.00110	-.00310
.299	14.138	-.04920	.69120	.17400	.10180	.00700	.00160	-.00100	-.00310
	GRADIENT	-.00031	.03764	.00069	.00389	.00011	.00008	-.00009	-.00012

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB N28 N24

(AOM128) (20 JAN 75)

REFERENCE DATA

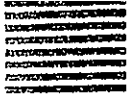
PARAMETRIC DATA

SREF = 2890 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = 0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

BETA = .000

RUN NO. 542/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-2.848	-.04700	.07620	.09670	.01730	.00030	.00010	-.00090	-.00080
.500	-1.904	-.04040	.11070	.09560	.01980	.00050	.00020	-.00090	-.00110
.500	-.961	-.04750	.14750	.09420	.02440	.00090	.00020	-.00100	-.00130
.501	-.242	-.04100	.17860	.09400	.02690	.00090	.00030	-.00110	-.00160
.499	.002	-.04090	.18860	.09350	.02900	.00070	.00030	-.00110	-.00160
.501	.762	-.04120	.21450	.09290	.03210	.00080	.00040	-.00110	-.00180
.501	1.703	-.05520	.25100	.09330	.03550	.00110	.00040	-.00120	-.00210
.501	2.599	-.04860	.28610	.09420	.03930	.00110	.00050	-.00120	-.00240
.500	3.581	-.04890	.32300	.09560	.04380	.00120	.00060	-.00130	-.00270
.501	4.398	-.04900	.35660	.09730	.04680	.00140	.00070	-.00130	-.00280
.500	5.349	-.04920	.39200	.09830	.05240	.00120	.00070	-.00130	-.00290
.500	6.255	-.05650	.42920	.10120	.05600	.00120	.00090	-.00160	-.00330
.501	7.042	-.04970	.46180	.10350	.06020	.00140	.00090	-.00160	-.00350
.500	7.954	-.05650	.49990	.10780	.06530	.00170	.00090	-.00150	-.00330
.501	8.697	-.04940	.52760	.11220	.07010	.00190	.00090	-.00160	-.00320
.501	9.715	-.04320	.56570	.12090	.07680	.00190	.00110	-.00150	-.00400
.500	10.671	-.05050	.60500	.13090	.08220	.00170	.00120	-.00130	-.00430
.501	11.428	-.05740	.63950	.13970	.08640	.00150	.00120	-.00120	-.00430
.500	12.396	-.05710	.68430	.15470	.09070	.00170	.00110	-.00090	-.00410
.501	13.215	-.04770	.72580	.17220	.09210	.00320	.00030	-.00090	-.00150
.501	14.107	-.05270	.76720	.19510	.09380	.00450	.00010	-.00260	.00050
.501	14.323	-.04580	.77730	.20140	.09400	.00480	.00020	-.00300	.00040
	GRADIENT	-.00100	.03863	.00005	.00418	.00013	.00008	-.00006	-.00028



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB N28 N24

(AGM128) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

BETA = .000

RUN NO. 541/ 0 RN/L = 3.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIRB
600	-2.832	-.04690	.10350	.10190	.01450	-.00170	.00020	-.00110	-.00070
.599	-1.816	-.04710	.14030	.10040	.01810	-.00160	.00030	-.00120	-.00090
600	-.855	-.04070	.18140	.09970	.02130	-.00160	.00040	-.00120	-.00130
.599	.043	-.04780	.21760	.09850	.02660	-.00140	.00040	-.00130	-.00150
.599	.856	-.04120	.24970	.09910	.02900	-.00130	.00050	-.00130	-.00190
.599	1.774	-.05520	.28400	.09890	.03310	-.00100	.00050	-.00130	-.00210
.600	2.715	-.04160	.32480	.10090	.03590	-.00100	.00060	-.00140	-.00230
.601	3.704	-.04890	.36650	.10340	.03900	-.00060	.00060	-.00140	-.00270
600	4.451	-.04920	.39630	.10450	.04220	-.00080	.00070	-.00150	-.00300
.600	5.396	-.05630	.43730	.10650	.04590	-.00060	.00080	-.00150	-.00310
.600	6.313	-.04960	.47410	.10880	.05090	-.00050	.00080	-.00140	-.00340
600	7.138	-.05710	.51240	.11270	.05450	-.00060	.00100	-.00140	-.00400
600	8.061	-.05830	.54930	.11800	.06180	-.00070	.00130	-.00160	-.00520
600	8.824	-.04590	.57860	.12450	.06700	-.00130	.00160	-.00110	-.00670
.601	9.836	-.05360	.62320	.13630	.07230	-.00100	.00170	-.00100	-.00750
600	10.788	-.05050	.65780	.15370	.07650	.00010	.00100	-.00100	-.00430
.600	11.614	-.05620	.69030	.17080	.08000	.00060	.00090	-.00120	-.00310
.600	12.589	-.04680	.73210	.19270	.08270	.00150	.00040	-.00180	-.00060
.599	13.374	-.05350	.76780	.21210	.08490	.00160	.00040	-.00220	-.00040
.600	14.277	-.04790	.80130	.23590	.08770	.00140	.00080	-.00240	-.00170
	GRADIENT	-.00043	.04037	.00040	.00383	.00015	.00006	-.00005	-.00031

ORIGINAL PAGE IS OF POOR QUALITY

CA5 ORB N28 N24

(AGM128) (20 JAN 75)

REFERENCE DATA

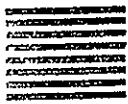
PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

BETA = .000

RUN NO. 540/ 0 RN/L = 3.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-2.808	-.03950	.12870	.10580	.01580	-.00290	.00020	-.00120	-.00020
.699	-1.793	-.05390	.16790	.10470	.01890	-.00260	.00030	-.00130	-.00080
.700	-.837	-.05400	.20960	.10330	.02290	-.00260	.00040	-.00130	-.00090
.700	-.170	-.05430	.23830	.10260	.02550	-.00240	.00040	-.00130	-.00120
.701	.128	-.03360	.25000	.10300	.02680	-.00240	.00040	-.00140	-.00120
.700	.830	-.04790	.27950	.10320	.02930	-.00220	.00050	-.00140	-.00170
.700	1.768	-.04810	.31740	.10330	.03250	-.00210	.00050	-.00150	-.00190
.700	2.643	-.04840	.35590	.10540	.03480	-.00190	.00060	-.00150	-.00220
.700	3.636	-.05590	.40030	.10850	.03790	-.00200	.00070	-.00160	-.00270
.699	4.393	-.05610	.43590	.11150	.03970	-.00220	.00080	-.00160	-.00300
.699	5.353	-.05720	.47960	.11510	.04350	-.00210	.00090	-.00150	-.00410
.700	6.294	-.04430	.52410	.12200	.04680	-.00210	.00110	-.00120	-.00500
.700	7.060	-.03760	.57330	.13190	.05160	-.00190	.00110	-.00100	-.00530
.700	7.957	-.03730	.58780	.14180	.05350	-.00150	.00100	-.00110	-.00500
.700	8.801	-.03630	.61990	.15370	.05820	-.00110	.00090	-.00150	-.00390
.700	9.778	-.06250	.65330	.16860	.06320	-.00030	.00080	-.00230	-.00240
.700	10.775	-.05590	.69230	.18730	.06750	-.00030	.00090	-.00230	-.00280
.701	11.530	-.05000	.72400	.20410	.07000	-.00040	.00110	-.00240	-.00380
.701	12.495	-.05070	.76470	.22840	.07090	-.00040	.00140	-.00300	-.00450
.700	13.329	-.04470	.80030	.25010	.07180	-.00030	.00150	-.00280	-.00550
.700	14.176	-.05940	.84000	.27360	.07230	-.00040	.00170	-.00250	-.00650
.700	14.525	-.05350	.85880	.28450	.07270	-.00060	.00190	-.00250	-.00750
	GRADIENT	-.00126	.04256	.00075	.00339	.00012	.00008	-.00006	-.00038



CAS ORB N26 N24

(AGM129) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = 000

RUN NO. 545/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.500	10.942	-.04210	.61840	.13420	.08510	-.00140	.00120	-.00150	-.00290
.500	11.459	-.04910	.64200	.14110	.08830	-.00130	.00120	-.00150	-.00290
.499	11.886	-.04900	.66010	.14700	.09010	-.00140	.00110	-.00140	-.00290
.500	12.815	-.04140	.70500	.16300	.09340	-.00080	.00090	-.00120	-.00210
.499	13.587	-.04470	.74480	.18170	.09390	.00130	-.00010	-.00160	.00160
.500	14.523	-.02980	.78790	.20880	.09530	.00210	.00010	-.00370	.00270
.500	15.347	-.03790	.82230	.23120	.09850	.00170	.00030	-.00320	.00150
.499	16.156	-.04720	.85810	.25590	.10110	-.00010	.00110	-.00270	-.00100
.499	17.076	-.04830	.89500	.28770	.10460	-.00040	.00170	-.00350	-.00210
.500	17.791	-.04800	.92350	.31410	.10510	-.00050	.00190	-.00410	-.00180
.499	19.493	-.04770	1.01160	.38010	.10290	-.00140	.00150	-.00260	-.00150
.499	21.095	-.04710	1.08660	.43970	.10850	-.00060	.00150	-.00310	-.00090
.501	22.666	-.04860	1.13670	.49470	.12110	-.00110	.00190	-.00250	-.00260
.500	24.347	-.04890	1.11560	.52750	.15800	-.00050	.00250	-.00350	-.00290
.499	26.068	-.05170	1.02480	.52800	.20290	.00010	.00010	-.00110	.00160
.499	26.512	-.04790	.99820	.52450	.20940	-.00420	.00100	-.00010	-.00190
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

RUN NO. 544/ 0 RN/L = 3.33 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	11.048	-.04150	.66760	.16010	.07810	-.00140	.00080	-.00140	-.00220
.601	11.740	-.04710	.69630	.17510	.08060	-.00090	.00060	-.00170	-.00080
.600	12.836	-.04560	.74100	.19830	.08430	-.00010	.00040	-.00220	.00070
.601	13.629	-.05220	.77580	.21930	.08580	.00030	.00040	-.00270	.00100
.600	14.535	-.04710	.81040	.24360	.08910	-.00020	.00090	-.00280	-.00090
.600	15.349	-.04790	.84400	.26810	.09070	-.00060	.00120	-.00280	-.00180
.601	16.101	-.05590	.88410	.29370	.09000	-.00080	.00150	-.00310	-.00280
.601	16.983	-.05650	.93070	.32450	.08970	-.00160	.00150	-.00210	-.00350
.601	17.740	-.05650	.97000	.35090	.09040	-.00180	.00140	-.00170	-.00360
.600	19.405	-.05050	1.04620	.40740	.09770	-.00160	.00200	-.00260	-.00450
.600	20.983	-.05140	1.11320	.46280	.10589	-.00240	.00270	-.00350	-.00560
.599	22.602	-.05360	1.13690	.50800	.12800	-.00810	.00250	-.00030	-.00800
.599	24.365	-.03640	1.00520	.49710	.19420	.00250	.00010	-.00220	.00320
.599	25.983	-.03190	.96520	.51600	.22540	.00070	-.00460	.00250	.01600
.599	26.769	-.01460	.94400	.52630	.23640	.00610	-.00720	.00160	.02780
	GRADIENT	.00000	.00000	.00000	.00000	.00000	.00000	.00000	.00000

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 ORB N28 N24

(AGM130) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN YMRP = .0000 IN YO
 BREF = 936 6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = 0300

ALPHA1 = 8.000

RUN NO. 549/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.113	8.02360	.48030	.10460	.06870	.22950	-.01500	.02910	-.01730
.299	-10.049	8.02390	.48000	.10620	.06980	.19300	-.01300	.02440	-.01380
.299	-8.006	8.02460	.47480	.10710	.07090	.15370	-.01000	.01930	-.01150
.300	-6.053	8.02570	.47070	.10750	.07210	.11640	-.00730	.01420	-.00920
.301	-4.038	8.02700	.46800	.10800	.07320	.07820	-.00410	.00870	-.00720
.300	-3.034	8.02400	.46840	.10800	.07250	.05690	-.00240	.00570	-.00610
.299	-2.008	8.02630	.46670	.10820	.07380	.03900	-.00160	.00310	-.00410
.300	-1.039	8.02700	.46530	.10780	.07430	.02130	-.00060	.00080	-.00250
.300	.008	8.02680	.46390	.10770	.07400	.00210	.00080	-.00180	-.00110
.299	.999	8.02700	.46450	.10820	.07460	-.01670	.00190	-.00430	.00050
.300	1.962	8.02720	.46590	.10800	.07430	-.03350	.00280	-.00650	.00210
.300	3.001	8.02720	.46390	.10810	.07440	-.05230	.00380	-.00900	.00390
.300	3.992	8.02780	.46250	.10770	.07470	-.07250	.00530	-.01190	.00520
.300	6.035	8.02740	.46350	.10770	.07340	-.11090	.00810	-.01740	.00770
.301	8.030	8.02550	.46540	.10710	.07140	-.14930	.01080	-.02250	.01050
.300	10.073	8.02370	.47130	.10580	.06890	-.18910	.01370	-.02790	.01300
.299	12.028	8.02470	.47580	.10510	.06770	-.22260	.01490	-.03190	.01690
GRADIENT		00024	-.00063	-.00001	.00022	-.01650	.00112	-.00251	.00158

RUN NO. 548/ 0 RN/L = 2.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.032	8.16000	.54280	.11000	.06360	.23030	-.01620	.03050	-.03970
.500	-10.051	8.16170	.54480	.11150	.06310	.19540	-.01480	.02620	-.02970
.501	-8.059	8.16190	.54510	.11360	.06290	.15820	-.01210	.02120	-.02370
.501	-6.061	8.16210	.54210	.11480	.06320	.11890	-.00910	.01640	-.01780
.500	-4.017	8.16430	.54120	.11570	.06340	.07730	-.00530	.01040	-.01400
.500	-3.012	8.16440	.53740	.11490	.06530	.05610	-.00330	.00720	-.01200
.501	-2.034	8.16720	.53150	.11260	.06770	.03840	-.00200	.00450	-.00910
.500	-1.034	8.16770	.53050	.11240	.06850	.01940	-.00060	.00160	-.00590
.499	-.014	8.16620	.52760	.11160	.06940	.00060	.00080	-.00150	-.00260
.500	1.008	8.16900	.52740	.11150	.06940	-.01940	.00230	-.00460	.00060
.500	2.006	8.16920	.52790	.11160	.06940	-.03870	.00370	-.00770	.00440
.499	3.028	8.16660	.53040	.11290	.06800	-.05760	.00500	-.01050	.00780
.500	4.065	8.16730	.53440	.11400	.06590	-.07800	.00690	-.01370	.00950
.499	6.020	8.16280	.53800	.11420	.06330	-.11770	.01050	-.01910	.01330
.501	8.046	8.16210	.53670	.11220	.06390	-.15710	.01320	-.02410	.02030
.500	10.030	8.15920	.53860	.11100	.06200	-.19600	.01630	-.02930	.02580
.499	12.080	8.15630	.53880	.11050	.06180	-.22940	.01590	-.03270	.04180
GRADIENT		00039	-.00096	-.00026	.00037	-.01908	.00145	-.00297	.00309

CAS ORB N28 N24

(AOM130) (20 JAN 75)

REFERENCE DATA

SREF = 2590 0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 8.000

RUN NO. 547/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.600	-12.072	8.23510	.58240	.11870	.05620	.23230	-.01660	.03090	-.05230
.600	-10.063	8.23490	.57920	.11970	.05660	.19870	-.01610	.02710	-.03940
.601	-8.099	8.23180	.58510	.12330	.05420	.15970	-.01300	.02190	-.02800
.601	-6.029	8.22640	.58870	.12790	.05140	.12000	-.01020	.01690	-.01900
.600	-5.045	8.22600	.58630	.12770	.05180	.09920	-.00800	.01400	-.01800
.601	-4.026	8.22860	.58330	.12750	.05310	.07750	-.00580	.01100	-.01670
.600	-3.035	8.23500	.57490	.12470	.05740	.05670	-.00360	.00780	-.01540
.601	-2.037	8.23960	.57100	.12190	.06060	.03720	-.00200	.00490	-.01200
.600	-1.044	8.25110	.56190	.12250	.06440	.01750	-.00030	.00160	-.00850
.600	-.003	8.25300	.58050	.12240	.06540	-.00180	.00130	-.00160	-.00470
.600	1.032	8.25360	.57900	.12140	.06590	-.02200	.00300	-.00490	-.00130
.600	2.011	8.25100	.58070	.12230	.06450	-.04000	.00440	-.00770	.00270
.600	3.011	8.24410	.58770	.12530	.06140	-.06010	.00600	-.01070	.00680
.600	4.001	8.24550	.59330	.12760	.05830	-.08030	.00810	-.01390	.00800
.599	5.990	8.23460	.60240	.13010	.05310	-.12200	.01220	-.01960	.01140
.599	8.048	8.23770	.59790	.12560	.05510	-.16170	.01480	-.02440	.02130
.600	10.054	8.24270	.59280	.12150	.05680	-.20170	.01790	-.02990	.02920
.599	12.059	8.23970	.59250	.12160	.05650	-.23140	.01650	-.03280	.05420
GRADIENT		.00199	.00157	.00003	.00070	-.01945	.00166	-.00309	.00334

RUN NO. 546/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	DIORB
.700	-12.093	8.41080	.77530	.16480	.06190	.23590	-.01700	.02470	-.05980
.699	-10.083	8.37500	.73300	.15970	.05610	.20700	-.01860	.02210	-.02790
.699	-8.094	8.36080	.71650	.16050	.05360	.16590	-.01450	.01680	-.02400
.700	-6.040	8.31520	.65180	.15470	.04690	.12420	-.01110	.01330	-.01690
.701	-4.046	8.31950	.64320	.15530	.04920	.08120	-.00670	.00840	-.01510
.700	-3.055	8.32380	.63470	.15250	.05320	.05950	-.00440	.00600	-.01400
.701	-2.035	8.33020	.62990	.15080	.05590	.03840	-.00260	.00360	-.01070
.701	-1.030	8.33220	.62560	.14950	.05730	.01920	-.00080	.00120	-.00820
.700	-.016	8.33370	.62490	.14990	.05720	-.00120	.00090	-.00120	-.00430
.700	.999	8.33330	.62450	.14900	.05700	-.02140	.00260	-.00360	-.00060
.700	1.990	8.33090	.62590	.15040	.05600	-.04110	.00440	-.00610	.00280
.700	3.032	8.32240	.63100	.15250	.05310	-.06290	.00620	-.00860	.00700
.701	4.002	8.31920	.63700	.15490	.05000	-.08340	.00830	-.01120	.00850
.701	5.989	8.30730	.64880	.15690	.04380	-.12460	.01250	-.01550	.01040
.700	8.034	8.30720	.65360	.15400	.04330	-.16730	.01630	-.01880	.01520
.701	10.061	8.30430	.63210	.14690	.04550	-.21040	.02010	-.02410	.02220
.700	12.044	8.31780	.64250	.14790	.04880	-.23910	.01830	-.02690	.05490
GRADIENT		-.00005	-.00074	-.00005	.00005	-.02024	.00180	-.00242	.00317

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB N28 N24

(AGM131) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHAI = 15.000

RUN NO. 553/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.299	-12.041	14.01880	.75210	.18540	.08520	.22150	-.01700	.03630	-.02090
.300	-10.036	14.01840	.74720	.18230	.08650	.19270	-.01670	.03080	-.01500
.299	-8.070	14.02110	.73960	.18230	.09080	.15440	-.01220	.02390	-.01350
.299	-6.013	14.02320	.73040	.18130	.09570	.11390	-.00810	.01730	-.01120
.299	-4.040	14.02570	.72550	.18110	.10130	.07810	-.00440	.01110	-.00930
.300	-3.007	14.02780	.72420	.18150	.10260	.05800	-.00290	.00760	-.00710
.300	-2.058	14.02840	.72340	.18190	.10380	.04100	-.00170	.00480	-.00540
.300	-1.046	14.02940	.72200	.18180	.10510	.02250	-.00010	.00170	-.00400
.300	-.021	14.02980	.72170	.18180	.10550	.00280	.00140	-.00120	-.00220
.299	.984	14.02830	.72280	.18200	.10420	-.01530	.00280	-.00440	-.00030
.299	1.982	14.02790	.72190	.18170	.10370	-.03360	.00430	-.00730	.00120
.299	2.994	14.02730	.72310	.18160	.10270	-.05140	.00550	-.01030	.00320
.299	4.033	14.02630	.72350	.18100	.10070	-.07010	.00680	-.01390	.00540
.299	6.021	14.02370	.72600	.18000	.09670	-.10680	.01050	-.02070	.00790
.299	8.029	14.02180	.73300	.18080	.09140	-.14650	.01480	-.02710	.00950
.299	10.022	14.01740	.73950	.18070	.08770	-.18650	.01940	-.03400	.01100
.299	12.027	14.01950	.74150	.18180	.08580	-.21760	.02040	-.03980	.01650
GRADIENT	-.00009	-.00022	-.00001	-.00006	-.01834	.00141	-.00305	.00177	

RUN NO. 552/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.500	-12.005	14.21180	.81980	.21310	.07580	.22920	-.02140	.03150	-.03400
.500	-10.048	14.21910	.81880	.20930	.08060	.19550	-.01880	.02810	-.02800
.499	-8.047	14.22270	.81320	.20800	.08520	.15510	-.01380	.02190	-.02610
.500	-6.050	14.22670	.80960	.20660	.08940	.11660	-.00990	.01570	-.02090
.500	-4.059	14.23510	.80630	.20640	.09370	.07930	-.00620	.00920	-.01490
.500	-3.010	14.23660	.80520	.20650	.09480	.05980	-.00460	.00580	-.01040
.499	-2.024	14.23750	.80360	.20630	.09590	.04250	-.00310	.00290	-.00660
.500	-1.038	14.24220	.80270	.20660	.09720	.02320	-.00150	.00000	-.00280
.500	.003	14.24110	.80150	.20690	.09790	.00310	.00010	-.00300	.00140
.499	1.039	14.24000	.80170	.20700	.09780	-.01720	.00170	-.00610	.00610
.499	1.996	14.23880	.80400	.20690	.09660	-.03450	.00320	-.00860	.00920
.499	3.016	14.23700	.80420	.20630	.09550	-.05440	.00490	-.01110	.01240
.501	4.023	14.23800	.80290	.20680	.09510	-.07310	.00650	-.01380	.01610
.500	6.026	14.23120	.80760	.20530	.09070	-.11200	.01090	-.02040	.02020
.499	8.064	14.22910	.80680	.20110	.08890	-.15020	.01510	-.02750	.02510
.500	10.034	14.22370	.81280	.20060	.08410	-.19360	.02170	-.03460	.02280
.499	12.027	14.21930	.81410	.20220	.08190	-.22470	.02190	-.03930	.03810
GRADIENT	.00022	-.00028	.00004	.00016	-.01894	.00157	-.00284	.00385	

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 ORB N28 N24

(AGM131) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. X0
 LREF = 474.8100 IN. YMRP = .0000 IN Y0
 BREF = 936.6600 IN. ZMRP = 375.0000 IN Z0
 SCALE = .0300

ALPHA1 = 15.000

RUN NO. 551/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.069	14.33200	.85530	.24200	.07390	.23080	-.02150	.02920	-.04310
.600	-10.042	14.34640	.85370	.24140	.07940	.19800	-.02010	.02530	-.02870
.601	-8.056	14.35060	.85230	.24350	.08150	.15710	-.01430	.01770	-.02820
.601	-6.043	14.34620	.84570	.24660	.08310	.11810	-.01030	.01100	-.02040
.599	-4.032	14.35460	.83990	.24650	.08650	.08010	-.00610	.00530	-.01540
.599	-3.004	14.35470	.83800	.24700	.08690	.05960	-.00440	.00270	-.01090
.600	-2.018	14.36040	.83510	.24680	.08860	.04000	-.00270	.00090	-.00730
.599	-1.040	14.35900	.83300	.24580	.08970	.02030	-.00090	-.00070	-.00450
.599	.022	14.36320	.83070	.24570	.09100	-.00090	.00100	-.00270	-.00090
.600	1.050	14.36220	.83080	.24520	.09130	-.02120	.00270	-.00500	.00310
.600	2.035	14.36160	.83160	.24450	.09090	-.04090	.00450	-.00700	.00630
.599	3.049	14.35840	.83260	.24400	.08960	-.06120	.00630	-.00940	.01070
.599	4.021	14.35750	.83510	.24380	.08870	-.07960	.00790	-.01170	.01450
.600	6.054	14.34710	.84060	.24360	.08370	-.12070	.01350	-.01740	.01380
.600	8.024	14.34320	.84590	.24110	.08030	-.15820	.01700	-.02100	.01890
.599	10.064	14.33500	.85120	.23880	.07620	-.20340	.02330	-.02780	.01810
.599	12.066	14.33480	.84620	.23850	.07650	-.23240	.02350	-.03550	.04240
GRADIENT		.00047	-.00074	-.00041	.00038	-.01989	.00175	-.00205	.00362

RUN NO 554/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.072	14.45180	.92440	.29240	.06300	.23510	-.01890	.02980	-.07530
.700	-10.045	14.45420	.92600	.29340	.06400	.20010	-.01820	.02300	-.04620
.700	-8.039	14.44130	.89570	.28790	.06430	.15820	-.01370	.01680	-.03890
.700	8.027	14.44290	.89120	.28330	.06510	-.16520	.01870	-.02340	.02210
.700	10.014	14.43920	.89130	.28240	.06240	-.20570	.02250	-.02840	.03090
.700	12.073	14.43790	.89310	.28060	.06200	-.24190	.02330	-.03350	.05710
GRADIENT		1.79929	.11103	.03529	.00811	-.02058	.00233	-.00292	.00275

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 ORB TC5

(AGM132) (20 JAN 75)

REFERENCE DATA

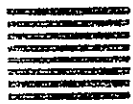
SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000

RUN NO. 558/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.301	-2.897	-.01130	.00210	.07290	.03400	-.00050	-.00020	-.00110	.00040
.299	-2.011	-.01150	.03320	.07070	.03550	.00000	-.00010	-.00110	.00020
.299	-1.100	-.01870	.07100	.07040	.03900	-.00020	.00010	-.00120	-.00010
.301	-4.402	-.01840	.09680	.07050	.04320	.00050	-.00020	-.00110	.00020
.300	-.060	-.00470	.11560	.07100	.04390	.00050	-.00010	-.00110	.00010
.300	.550	-.01870	.13490	.07020	.04590	-.00020	.00010	-.00120	-.00010
.300	1.463	-.01190	.16850	.07060	.04950	.00040	.00010	-.00130	-.00020
.299	2.281	-.01880	.19990	.07140	.05190	.00060	.00010	-.00140	-.00020
.299	3.234	-.01880	.23670	.07290	.05590	.00090	.00020	-.00150	-.00020
.299	4.076	-.01220	.27100	.07440	.05790	.00100	.00040	-.00160	-.00060
.300	4.949	-.01250	.30780	.07680	.05970	.00080	.00060	-.00160	-.00080
.300	5.895	-.01230	.35010	.08070	.06100	.00100	.00050	-.00160	-.00070
.299	6.669	-.00570	.38170	.08390	.06390	.00070	.00070	-.00170	-.00090
.299	7.559	-.01260	.42400	.08900	.06430	.00090	.00080	-.00190	-.00100
.300	8.395	-.01250	.46200	.09440	.06590	.00150	.00070	-.00190	-.00080
.300	9.329	-.01960	.50040	.10170	.06880	.00140	.00090	-.00230	-.00100
.299	10.308	-.01960	.53940	.11060	.07330	.00120	.00100	-.00210	-.00110
.299	11.086	-.01310	.57140	.11870	.07620	.00130	.00120	-.00200	-.00150
.300	12.057	-.01300	.61190	.12970	.07960	.00120	.00120	-.00190	-.00140
.300	12.854	-.01330	.65220	.14160	.08050	.00040	.00140	-.00160	-.00170
.299	13.641	-.01360	.68970	.15420	.08190	.00050	.00160	-.00140	-.00200
.299	14.580	-.02080	.73840	.17110	.08260	-.00060	.00180	-.00100	-.00230
.300	15.296	-.00700	.77490	.18490	.08310	-.00060	.00180	-.00070	-.00240
.300	16.187	-.01420	.82880	.20610	.08110	-.00080	.00200	-.00080	-.00270
.299	17.115	-.00770	.87750	.22810	.08250	-.00100	.00240	-.00100	-.00310
.299	17.819	-.01480	.91110	.24550	.08310	-.00200	.00270	-.00110	-.00330
.299	19.520	-.01500	.99120	.30550	.08290	.00650	-.00150	-.00460	.00380
.299	21.226	-.01060	1.06650	.37620	.07770	.00270	.00050	-.00380	.00110
.301	22.864	-.01680	1.12640	.43210	.08140	.00610	-.00010	-.00440	.00200
.300	24.444	-.01720	1.15260	.47730	.09230	.00470	.00020	-.00370	.00150
.299	26.079	-.01230	1.17360	.52990	.10060	.00070	.00180	-.00270	-.00070
	GRADIENT	-.00023	.03876	.00054	.00348	.00017	.00009	-.00008	-.00013



CAS ORB TC5

(AGM132) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936 6800 IN ZMRP = 375 0000 IN ZO
 SCALE = .0300

BETA = .000

RUN NO. 557/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.501	-3.449	-.01780	.04310	.08390	.02490	-.00260	.00000	-.00100	00080
.500	-2.669	-.02500	.07130	.08250	.02690	-.00240	.00010	-.00110	.00050
.500	-1.660	-.01820	.11170	.08100	.03030	-.00220	.00010	-.00110	.00030
.500	-.758	-.01880	.15240	.08050	.03250	-.00220	.00030	-.00120	-.00030
.500	.023	-.01250	.18410	.08020	.03800	-.00230	.00040	-.00130	-.00080
.500	1.012	-.01970	.22070	.08030	.04150	-.00220	.00050	-.00130	-.00110
.500	1.869	-.01930	.25610	.08100	.04380	-.00220	.00040	-.00140	-.00080
.501	2.841	-.01950	.29740	.08250	.04680	-.00160	.00050	-.00140	-.00100
.500	3.833	-.01270	.33700	.08430	.05030	-.00170	.00050	-.00150	-.00110
.501	4.660	-.02010	.37060	.08610	.05340	-.00160	.00070	-.00160	-.00150
.500	5.608	-.02060	.41200	.08920	.05610	-.00170	.00080	-.00170	-.00210
.501	6.439	-.02090	.45180	.09310	.05710	-.00170	.00100	-.00190	-.00230
.501	7.269	-.02090	.49210	.09760	.05900	-.00200	.00100	-.00180	-.00240
.500	8.195	-.02100	.53600	.10430	.06150	-.00140	.00100	-.00190	-.00250
.501	9.111	-.02120	.57340	.11180	.06620	-.00170	.00110	-.00190	-.00260
.501	10.124	-.02180	.61310	.12080	.07130	-.00180	.00130	-.00170	-.00330
.501	10.986	-.02180	.65510	.13140	.07340	-.00180	.00130	-.00160	-.00330
.501	11.848	-.02200	.69630	.14330	.07550	-.00170	.00130	-.00130	-.00350
.500	12.787	-.01400	.74480	.15960	.07670	-.00100	.00100	-.00110	-.00240
.500	13.551	-.01730	.78740	.17900	.07420	.00060	.00000	-.00170	.00130
.499	14.491	-.02350	.83330	.20650	.07220	.00150	.00030	-.00360	.00200
.500	15.336	-.01860	.87480	.23020	.07190	.00070	.00080	-.00290	.00000
.499	16.145	-.02780	.91580	.25700	.06990	-.00070	.00140	-.00250	-.00240
.500	17.026	-.02210	.95210	.28630	.06870	-.00170	.00210	-.00310	-.00370
.499	17.743	-.02230	.97530	.30740	.06510	-.00190	.00210	-.00290	-.00390
.500	19.474	-.02200	1.06720	.37280	.05740	-.00220	.00240	-.00340	-.00370
.501	21.122	-.02740	1.15810	.43620	.05510	-.00050	.00170	-.00280	-.00200
.500	22.777	-.02250	1.21650	.49330	.06220	-.00160	.00250	-.00270	-.00430
.501	24.416	-.02390	1.21890	.53410	.08760	-.00040	.00360	-.00420	-.00590
.500	26.274	-.02510	1.08590	.52370	.14890	.00120	.00080	-.00220	.00050
GRADIENT		.00034	.04060	.00028	.00360	.00011	.00008	-.00007	-.00027

CAS ORB TC5

(AGM132) (20 JAN 75)

REFERENCE DATA

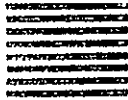
SREF = 2690 0000 SQ FT. XMRP = 1109.0000 IN. XO
 LREF = 474 8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

BETA = .000

RUN NO. 556/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D10RB
.601	-3.439	-.01080	.08360	.08920	.01590	-.00350	.00010	-.00110	.00080
.599	-2.538	-.01150	.11540	.08820	.01980	-.00340	.00020	-.00120	.00010
.600	-1.529	-.01180	.15700	.08710	.02320	-.00340	.00030	-.00120	-.00020
.600	-.632	-.01880	.19580	.08650	.02650	-.00310	.00030	-.00130	-.00030
.600	.054	-.01950	.22670	.08600	.02990	-.00290	.00040	-.00130	-.00090
.600	.281	-.01920	.23450	.08630	.03020	-.00280	.00040	-.00140	-.00070
.600	1.268	-.01950	.27540	.08690	.03340	-.00280	.00050	-.00140	-.00100
.601	2.120	-.01990	.30990	.08810	.03630	-.00290	.00060	-.00150	-.00130
.599	3.113	-.02720	.34810	.08950	.04150	-.00290	.00070	-.00160	-.00180
.599	4.026	-.02050	.38880	.09200	.04370	-.00290	.00070	-.00160	-.00190
.599	4.857	-.02110	.42690	.09470	.04580	-.00280	.00090	-.00170	-.00250
.601	5.803	-.02120	.47390	.09920	.04660	-.00280	.00090	-.00170	-.00260
.600	6.639	-.02190	.51280	.10370	.04880	-.00280	.00110	-.00170	-.00340
.600	7.540	-.01550	.55650	.11020	.05250	-.00260	.00120	-.00180	-.00390
.601	8.455	-.02400	.59860	.11890	.05650	-.00290	.00150	-.00160	-.00550
.600	9.330	-.02560	.63970	.12920	.05920	-.00330	.00190	-.00150	-.00720
.601	10.325	-.02550	.68700	.14780	.05930	-.00300	.00170	-.00050	-.00700
.600	11.189	-.01660	.72090	.16550	.06090	-.00250	.00140	-.00090	-.00510
.600	12.127	-.01920	.76300	.18710	.06040	-.00100	.00060	-.00190	-.00070
.601	13.048	-.01180	.80740	.21000	.05990	-.00050	.00070	-.00270	-.00010
.601	13.937	-.01980	.84750	.23320	.05890	-.00080	.00090	-.00240	-.00130
.600	14.858	-.01480	.88730	.25920	.05780	-.00130	.00150	-.00280	-.00320
.600	15.646	-.01600	.93300	.28550	.05410	-.00140	.00200	-.00350	-.00450
.600	16.541	-.00930	.98130	.31480	.05120	-.00160	.00210	-.00330	-.00470
.599	17.419	-.01490	1.02900	.34350	.04960	-.00150	.00150	-.00210	-.00340
.600	18.193	-.00750	1.07100	.37050	.04880	-.00120	.00130	-.00170	-.00290
.600	19.826	-.01440	1.15120	.42660	.05030	-.00060	.00180	-.00310	-.00290
.599	21.523	-.01570	1.22990	.48880	.05380	.00000	.00250	-.00410	-.00440
.600	23.114	-.02510	1.24560	.53260	.07410	-.00080	.00270	-.00270	-.00710
.599	24.825	-.01020	1.08380	.50920	.14690	-.00180	-.00040	.00050	.00160
.600	26.576	-.00090	1.02040	.52630	.18210	-.01150	-.00660	.00740	.01980
	GRADIENT	-.00153	.04139	.00063	.00365	.00008	.00009	-.00007	-.00036



CAS ORB TCS

(AGM132) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ FT XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN ZMRP = 375.0000 IN. ZO
 SCALE = .0300

BETA = .000

RUN NO. 555/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-2.817	-.01040	.14970	.09510	.00920	-.00410	.00010	-.00110	.00130
.699	-1.812	-.01810	.19120	.09430	.01200	-.00410	.00030	-.00120	.00050
.700	-.886	-.01800	.23510	.09400	.01450	-.00380	.00030	-.00120	.00060
.700	-.167	-.01160	.26670	.09390	.01750	-.00380	.00030	-.00130	.00000
.700	.114	-.01190	.27870	.09400	.01930	-.00400	.00040	-.00130	-.00020
.699	.829	-.01220	.31020	.09460	.02110	-.00390	.00050	-.00140	-.00050
.700	1.763	-.01270	.35010	.09610	.02390	-.00400	.00060	-.00150	-.00110
.700	2.671	-.01310	.39070	.09850	.02710	-.00400	.00070	-.00150	-.00150
.700	3.632	-.01380	.43620	.10170	.02900	-.00400	.00080	-.00160	-.00210
.700	4.447	-.01420	.47720	.10580	.02980	-.00400	.00090	-.00160	-.00250
.700	4.797	-.01470	.50270	.10840	.03080	-.00430	.00100	-.00150	-.00300
.699	5.410	-.02940	.52470	.11230	.03170	-.00430	.00110	-.00140	-.00400
.701	5.765	-.00920	.56460	.11790	.03390	-.00440	.00120	-.00140	-.00450
.699	6.561	-.01700	.60690	.12720	.03410	-.00460	.00130	-.00090	-.00540
.701	7.499	-.00980	.64790	.14290	.03410	-.00430	.00130	-.00110	-.00510
.701	8.285	-.00920	.68250	.15620	.03590	-.00400	.00120	-.00120	-.00450
.700	9.096	-.02290	.71380	.16990	.03760	-.00380	.00130	-.00160	-.00440
.700	10.062	-.02190	.73490	.18530	.03760	-.00360	.00120	-.00200	-.00340
.700	10.999	-.02190	.79740	.20830	.04080	-.00320	.00120	-.00220	-.00340
.700	11.785	-.02140	.83720	.22820	.03920	-.00310	.00130	-.00270	-.00290
.699	12.732	-.02790	.88180	.25300	.03660	-.00340	.00130	-.00260	-.00250
.700	13.541	-.02370	.91690	.27310	.03790	-.00300	.00180	-.00290	-.00530
.700	14.453	-.02540	.96700	.30200	.03210	-.00320	.00200	-.00240	-.00700
.700	15.293	-.02840	1.01750	.32930	.03050	-.00360	.00230	-.00260	-.00820
.700	16.088	-.02790	1.05780	.35410	.03030	-.00360	.00270	-.00300	-.00970
.700	16.962	-.03510	1.10180	.38320	.02960	-.00350	.00280	-.00300	-.01010
.700	17.739	-.03580	1.11700	.40300	.02990	-.00380	.00310	-.00330	-.01080
.699	18.568	-.02870	1.12030	.41980	.03090	-.00330	.00330	-.00370	-.01070
.700	20.042	-.02980	1.10810	.44490	.03830	-.00440	.00410	-.00480	-.01190
.700	21.814	-.02820	1.09780	.47380	.07490	-.00550	.00380	-.00400	-.01040
.700	23.406	-.00630	1.08450	.50130	.12870	-.00880	-.00270	.00330	.01340
.700	25.052	-.00580	1.01120	.51320	.18350	-.02300	-.00650	.00940	.02700
.700	26.793	.00880	.95050	.52570	.20640	.00950	-.00350	-.00520	.03080
GRADIENT		-.00001	.04560	.00176	.00292	-.00002	.00011	-.00006	-.00054

ORIGINAL PAGE IS
OF POOR QUALITY

CAS ORB TCS

(AGM133) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000

RUN NO. 582/ 0 RN/L = 1.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.300	-12.096	8.01080	.46080	.08750	.06600	.21810	-.00710	.02770	-.02780
.300	-10.068	8.01360	.45690	.08700	.06740	.19180	-.00980	.02500	-.01930
.299	-8.071	8.01100	.45620	.08870	.06660	.15620	-.00880	.02070	-.01420
.299	-6.021	8.01360	.45210	.09020	.06670	.11480	-.00570	.01540	-.01160
.300	-4.039	8.01330	.45200	.09210	.06630	.07810	-.00290	.00960	-.00900
.300	-3.049	8.01320	.45020	.09200	.06600	.05490	-.00160	.00650	-.00720
.300	-2.071	8.01320	.45040	.09230	.06620	.03710	-.00090	.00370	-.00500
.300	-1.010	8.01330	.44980	.09230	.06620	.01850	-.00030	.00080	-.00240
.299	-.019	8.01310	.45000	.09270	.06610	-.00100	.00080	-.00190	-.00070
.299	1.041	8.01230	.45200	.09330	.06530	-.02130	.00180	-.00500	.00150
.299	2.012	8.01180	.45230	.09300	.06470	-.03890	.00250	-.00750	.00350
.300	3.037	8.01160	.45340	.09310	.06390	-.05900	.00380	-.01030	.00520
.300	4.042	8.01250	.45230	.09290	.06480	-.07800	.00460	-.01340	.00740
.300	6.024	8.01120	.45520	.09210	.06320	-.11660	.00710	-.01900	.01060
.299	8.019	8.00940	.45450	.09010	.06420	-.15700	.00970	-.02380	.01360
.300	10.011	8.01150	.45700	.08910	.06390	-.19000	.00910	-.02760	.02050
.299	12.081	8.01040	.45670	.08870	.06230	-.21870	.00690	-.03090	.02900
	GRADIENT	-.00019	.00028	.00015	-.00027	-.01891	.00091	-.00281	.00203

RUN NO. 561/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.079	8.14510	.53430	.09820	.05980	.22210	-.00840	.02870	-.06640
.500	-10.101	8.15120	.53580	.09780	.06170	.20110	-.01320	.02680	-.03840
.500	-8.029	8.15130	.53300	.09920	.06190	.16200	-.01150	.02210	-.02770
.500	-6.052	8.14800	.52910	.10030	.06160	.12030	-.00820	.01740	-.02270
.499	-4.048	8.14670	.52530	.10120	.06140	.07900	-.00480	.01130	-.01710
.501	-3.027	8.14750	.52660	.10210	.06140	.05710	-.00310	.00800	-.01360
.500	-1.993	8.14770	.52300	.10190	.06230	.03670	-.00160	.00460	-.00990
.500	-1.007	8.14710	.52470	.10210	.06180	.01860	-.00060	.00160	-.00570
.499	-.021	8.14880	.52460	.10230	.06160	-.00140	.00090	-.00180	-.00210
.500	.986	8.14620	.52520	.10240	.06100	-.02160	.00240	-.00500	.00150
.500	2.034	8.14640	.52560	.10270	.06130	-.04230	.00390	-.00830	.00520
.499	3.054	8.14650	.52690	.10270	.06000	-.06320	.00550	-.01170	.00870
.500	3.998	8.14810	.52650	.10250	.06060	-.08300	.00720	-.01460	.01110
.501	6.017	8.14430	.53190	.10260	.05880	-.12420	.01030	-.02030	.01750
.501	8.023	8.14480	.53140	.10060	.05930	-.16610	.01310	-.02510	.02490
.500	10.028	8.14120	.53180	.10010	.05870	-.19690	.01140	-.02820	.04490
.501	12.114	8.13790	.53530	.10190	.05450	-.22380	.00830	-.03090	.06900
	GRADIENT	-.00002	.00019	.00015	-.00017	-.01996	.00145	-.00323	.00359

CAS ORB TCS

(AQM133) (20 JAN 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 935.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 8.000

RUN NO. 560/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.122	8.21400	.59190	.11270	.04960	.22320	-.00860	.02870	-.08870
.599	-10.070	8.22250	.59180	.11170	.05290	.20050	-.01350	.02660	-.04940
.600	-8.048	8.21690	.59450	.11330	.05060	.16480	-.01260	.02260	-.03320
.599	-6.083	8.21960	.58870	.11380	.05180	.12380	-.00950	.01790	-.02580
.599	-4.070	8.21800	.58760	.11500	.05100	.08200	-.00600	.01190	-.01870
.600	-3.064	8.22100	.58360	.11490	.05280	.05960	-.00380	.00850	-.01620
.600	-2.058	8.22500	.58070	.11460	.05410	.03840	-.00190	.00520	-.01320
.601	-1.031	8.22410	.57920	.11450	.05470	.01770	-.00020	.00180	-.00910
.600	-.003	8.22310	.57900	.11480	.05460	-.00350	.00150	-.00180	-.00510
.600	.990	8.22270	.57970	.11480	.05410	-.02360	.00320	-.00510	-.00130
.600	2.011	8.22180	.57880	.11440	.05390	-.04490	.00500	-.00850	.00280
.600	4.001	8.21820	.58520	.11510	.05130	-.08760	.00900	-.01510	.00790
.601	6.037	8.21540	.58930	.11540	.04930	-.12810	.01190	-.02050	.01690
.601	8.048	8.21790	.59010	.11450	.04930	-.16900	.01420	-.02500	.02870
.600	10.088	8.21760	.58830	.11470	.04940	-.19690	.01080	-.02750	.06300
.600	12.118	8.20860	.58740	.11610	.04540	-.22320	.00780	-.03050	.09450
GRADIENT	-.00009	-.00037	-.00000	.00004	-.02084	.00181	-.00335	.00347	

RUN NO. 559/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.699	-12.188	8.26340	.65480	.14850	.03080	.22650	-.00860	.02210	-.10680
.701	-10.088	8.26580	.66290	.14630	.02940	.20350	-.01290	.01930	-.06080
.700	-8.042	8.26230	.66220	.14660	.02900	.16980	-.01330	.01640	-.03420
.699	-6.044	8.26250	.65570	.14720	.02920	.12910	-.01120	.01450	-.02090
.700	-4.028	8.26430	.64750	.14870	.03090	.08650	-.00780	.00940	-.01160
.700	-3.018	8.26460	.64530	.14890	.03140	.06260	-.00520	.00650	-.01120
.699	-2.028	8.26500	.64390	.14930	.03180	.04040	-.00280	.00390	-.01060
.700	-1.009	8.19080	.64210	.14920	.03280	.01910	-.00070	.00130	-.00840
.700	-.003	8.26480	.64210	.15040	.03170	-.00240	.00120	-.00130	-.00550
.700	1.004	8.26390	.64070	.14990	.03180	-.02430	.00300	-.00390	-.00100
.699	2.025	8.25960	.63980	.14950	.03120	-.04640	.00490	-.00670	.00290
.699	3.021	8.25780	.64320	.15000	.02920	-.07010	.00760	-.00960	.00300
.700	4.011	8.25520	.64690	.14970	.02750	-.09230	.00990	-.01250	.00400
.700	6.002	8.25430	.65370	.14980	.02530	-.13180	.01250	-.01690	.01630
.700	8.053	8.25270	.65800	.14780	.02620	-.17180	.01400	-.01930	.03360
.700	10.054	8.25630	.65530	.14760	.02700	-.20470	.01290	-.02110	.06340
.700	12.159	8.25490	.64840	.14840	.02720	-.22870	.00890	-.02360	.10750
GRADIENT	.00009	-.00030	.00014	-.00037	-.02203	.00212	-.00269	.00231	

CA5 ORB TC5

(AOM134) (20 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

ALPHA1 = 15.000

RUN NO. 566/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.301	-12.095	14.00510	.75020	.16560	.06920	.20920	-.00760	.03630	-.03420
.299	-10.036	14.00160	.74930	.16360	.06810	.18430	-.01100	.03100	-.02270
.300	-8.068	14.00390	.74380	.16450	.07130	.14900	-.00860	.02470	-.01880
.299	-6.023	14.00830	.73420	.16400	.07840	.11210	-.00610	.01890	-.01470
.299	-4.082	14.01110	.72650	.16300	.08280	.07510	-.00360	.01210	-.01040
.299	-3.077	14.01150	.72610	.16320	.08350	.05620	-.00230	.00850	-.00820
.299	-2.009	14.01100	.72770	.16410	.08260	.03650	-.00120	.00510	-.00550
.300	-1.060	14.01270	.72580	.16420	.08380	.01900	.00000	.00220	-.00370
.300	-.020	14.01270	.72500	.16420	.08420	-.00220	.00160	-.00110	-.00170
.299	1.006	14.01080	.72730	.16470	.08230	-.02120	.00290	-.00430	.00040
.299	2.017	14.01010	.72770	.16470	.08080	-.04210	.00460	-.00780	.00220
.299	3.029	14.00840	.72970	.16430	.07870	-.06040	.00590	-.01100	.00420
.299	3.986	14.00730	.73330	.16470	.07640	-.07750	.00670	-.01460	.00690
.299	5.997	14.00470	.73600	.16400	.07340	-.11290	.00860	-.02170	.01200
.300	8.015	14.00240	.74200	.16390	.06930	-.14880	.01060	-.02800	.01650
.299	10.026	13.99880	.74990	.16410	.06510	-.18650	.01280	-.03430	.02160
.301	12.076	13.99820	.75120	.16480	.06230	-.21160	.01040	-.03940	.03130
GRADIENT		-.00046	.00065	.00019	-.00074	-.01907	.00132	-.00325	.00207

RUN NO. 565/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.499	-12.107	14.17970	.82600	.20070	.05490	.21970	-.01170	.03120	-.06790
.499	-9.980	14.18950	.82730	.19560	.06130	.19290	-.01480	.02860	-.04330
.500	-8.065	14.19520	.82340	.19570	.06520	.15570	-.01140	.02300	-.03700
.499	-6.067	14.20030	.81710	.19420	.06980	.12070	-.00980	.01710	-.02420
.500	-5.046	14.20270	.81570	.19410	.07110	.10020	-.00810	.01350	-.01960
.501	-4.032	14.20610	.81470	.19440	.07290	.08200	-.00660	.01010	-.01530
.500	-3.045	14.20450	.81560	.19520	.07230	.06130	-.00470	.00630	-.01090
.501	-2.079	14.20550	.81460	.19580	.07260	.04240	-.00320	.00290	-.00640
.500	-.988	14.20310	.81260	.19580	.07320	.01980	-.00140	-.00060	-.00130
.501	-.051	14.20440	.81460	.19700	.07210	.00180	.00010	-.00030	.000210
.500	.997	14.20400	.81470	.19630	.07190	-.02030	.00200	-.00630	.00610
.500	2.002	14.20210	.81770	.19590	.07060	-.04190	.00430	-.00910	.00790
.500	3.028	14.20170	.81750	.19510	.06920	-.06310	.00640	-.01180	.01040
.500	4.013	14.19750	.81810	.19500	.06790	-.08330	.00850	-.01480	.01300
.500	6.014	14.19550	.82190	.19510	.06480	-.12120	.01150	-.02140	.02200
.500	8.062	14.19300	.82210	.19120	.06280	-.15540	.01270	-.02800	.03670
.500	10.059	14.18890	.82710	.19100	.05970	-.19230	.01490	-.03420	.04850
.499	12.103	14.18140	.82630	.19310	.05690	-.21810	.01180	-.03850	.07400
GRADIENT		-.00081	.00046	.00004	-.00057	-.02053	.00185	-.00303	.00352

CAS ORB TC5

(AGM134) (20 JAN 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = 1109.0000 IN. XO
 LREF = 474.8100 IN. YMRP = .0000 IN. YO
 BREF = 936.6800 IN. ZMRP = 375.0000 IN. ZO
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 15.000

RUN NO. 564/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.600	-12.090	14.27970	.86720	.23390	.04860	.21890	-.01180	.02830	-.06680
.601	-10.071	14.29280	.86520	.23390	.05490	.19840	-.01610	.02620	-.05110
.601	-8.068	14.29430	.86250	.23660	.05490	.16000	-.01300	.02060	-.04020
.600	-6.070	14.28900	.86130	.24060	.05370	.12610	-.01170	.01360	-.02050
.600	-5.023	14.29010	.85580	.24130	.05450	.10450	-.00980	.01180	-.01730
.601	-4.024	14.29040	.85470	.24210	.05470	.08410	-.00760	.00850	-.01410
.601	-3.045	14.29020	.85320	.24210	.05490	.06270	-.00530	.00540	-.01090
.600	-2.038	14.29270	.84970	.24060	.05690	.04150	-.00340	.00280	-.00710
.599	-1.012	14.29090	.85120	.24080	.05640	.02010	-.00110	.00020	-.00440
.600	-.034	14.29330	.85120	.24020	.05730	-.00120	.00110	-.00230	-.00200
.599	.992	14.29430	.85370	.23940	.05780	-.02340	.00340	-.00470	.00060
.600	2.011	14.29400	.85670	.23880	.05700	-.04550	.00550	-.00680	.00310
.599	3.030	14.28940	.86170	.23860	.05460	-.06940	.00810	-.00880	.00460
.600	3.999	14.29110	.86160	.23740	.05520	-.08940	.01050	-.01140	.00560
.600	6.044	14.28500	.86770	.23810	.05110	-.13090	.01490	-.01630	.01010
.600	8.041	14.28360	.86620	.23450	.05090	-.16390	.01570	-.02140	.02940
.600	10.077	14.28320	.86470	.23300	.04990	-.19790	.01590	-.02700	.05280
.600	12.099	14.27840	.86580	.23270	.04740	-.22300	.01380	-.03290	.08420
GRADIENT		.00010	.00116	-.00057	.00004	-.02165	.00223	-.00242	.00249

RUN NO. 563/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	CL	CD	CLM	CY	CLN	CSL	D1ORB
.700	-12.149	14.35030	.91800	.28250	.02780	.22560	-.00980	.02840	-.12610
.701	-10.074	14.35760	.92050	.28340	.02940	.19550	-.01190	.02210	-.08290
.700	-8.058	14.35340	.92000	.28450	.02910	.16260	-.01220	.01690	-.05140
.700	-6.031	14.35420	.91860	.28640	.02840	.12900	-.01230	.01310	-.02300
.700	-4.034	14.34570	.91450	.28770	.02680	.08560	-.00750	.00760	-.01780
.700	-3.044	14.34260	.91440	.28890	.02560	.06200	-.00440	.00410	-.01740
.700	-2.010	14.34520	.91460	.28870	.02670	.04050	-.00230	.00160	-.01300
.701	-1.059	14.35260	.91870	.28880	.02880	.02130	-.00040	-.00010	-.01040
.700	-.025	14.35910	.91710	.28730	.03110	-.00180	.00180	-.00230	-.00700
.701	1.001	14.35840	.91820	.28750	.03040	-.02420	.00420	-.00460	-.00470
.700	2.033	14.35180	.91940	.28640	.02910	-.04670	.00710	-.00730	-.00340
.700	3.000	14.35030	.92030	.28640	.02800	-.07010	.00980	-.00950	-.00410
.699	3.997	14.34920	.91880	.28480	.02730	-.09300	.01270	-.01230	-.00390
.699	6.009	14.35560	.91520	.28290	.03030	-.13460	.01720	-.01830	.00300
.699	8.023	14.34910	.91710	.28330	.02730	-.16730	.01700	-.02270	.03250
.700	10.086	14.34620	.91530	.28170	.02600	-.20020	.01560	-.02660	.06920
.700	12.109	14.34370	.91030	.27990	.02560	-.22780	.01330	-.03090	.10890
GRADIENT		.00093	.00073	-.00041	.00026	-.02210	.00243	-.00236	.00199

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(86M063) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 10 000 ELV-0B = 13 000
 S1-2 = 45 000 S3-4 = 45.000
 S5-6 = 45.000 TORB = 9.700

RUN NO. 277/ 0 RN/L = 2 93 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	.14180	-.38070	.17810	-.02000	-.00740	.00090	- .00040
.500	-1.000	.14040	-.28270	.16840	-.03560	-.00660	.00060	- .00040
.500	000	.13740	-.18220	.16120	-.05720	-.00770	.00120	- .00060
.500	1 000	.13460	-.08150	.15590	-.08410	-.00930	.00160	- .00090
.500	2.000	.13270	.01930	.15210	-.11630	-.01060	.00200	- .00120
.500	3.000	.13080	.12100	.14930	-.15080	-.01120	.00210	- .00140
.500	4 000	.12710	.21980	.14760	-.18150	-.01110	.00200	- .00140
.500	5.000	.12570	.31480	.14730	-.20590	-.01080	.00190	- .00150
.500	6 000	.13000	.40790	.14870	-.22610	-.00990	.00190	- .00160
.500	7 000	.13510	.50050	.15160	-.24570	-.00910	.00170	- .00170
.500	8.000	.13730	.59140	.15590	-.26620	-.00890	.00160	- .00190
.500	9 000	.13830	.67690	.16090	-.28690	-.00920	.00170	- .00210
.500	10.000	.14140	.75680	.16670	-.30700	-.00960	.00160	- .00210
.500	11.000	.14300	.83400	.17320	-.32540	-.00960	.00130	- .00200
.500	12.000	.14020	.91350	.18060	-.34080	-.00970	.00100	- .00180
	GRADIENT	-.00239	.09990	-.00427	-.02790	-.00068	.00019	- .00018

RUN NO. 278/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	.13700	-.42850	.18000	.01220	-.00780	.00080	- .00040
.600	-1.000	.13970	-.31950	.16920	-.00990	-.00860	.00090	- .00050
.600	.000	.14730	-.21220	.16150	-.03410	-.00910	.00110	- .00070
.600	1.000	.15050	-.10790	.15630	-.06200	-.00910	.00120	- .00080
.600	2.000	.14680	-.00450	.15300	-.09440	-.00940	.00120	- .00100
.600	3.000	.14160	.10070	.15090	-.13100	-.00980	.00120	- .00110
.600	4.000	.14050	.20720	.15100	-.16540	-.00880	.00130	- .00100
.600	5.000	.14310	.29550	.14800	-.19590	-.00930	.00160	- .00110
.600	6.000	.14470	.38350	.14750	-.22080	-.01350	.00190	- .00190
.600	7.000	.14340	.50650	.15990	-.24480	-.01880	.00230	- .00290
.600	8.000	.14200	.58360	.16000	-.26760	-.02240	.00230	- .00350
.600	9.000	.14230	.67180	.13370	-.28680	-.02330	.00220	- .00340
.600	10 000	.14380	.75430	.10170	-.30140	-.02360	.00210	- .00330
.600	11.000	.14840	.83440	.08230	-.31400	-.02510	.00220	- .00290
.600	12.000	.15260	.91670	.10390	-.32310	-.02460	.00220	- .00210
	GRADIENT	.00031	.10409	-.00417	-.03050	-.00017	.00009	- .00010

CA5 K1 F20 H15 6 V9.1 MINUS ORB TC5 AT3B.1

(BGM064) (21 JAN 75)

C-6

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

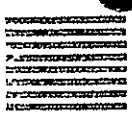
BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-IB = 10.000 ELV-OB = 13 000
 S1-2 = 45.000 S3-4 = 45 000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 282/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.00290	-.38320	.17830	-.01730	-.00450	.00060	- 00010
.500	-1.000	-.00390	-.28400	.16840	-.03230	-.00360	.00050	-.00010
.500	.000	-.00030	-.18400	.16130	-.05400	-.00490	.00080	- 00040
.500	1.000	.00300	-.08420	.15620	-.08150	-.00680	.00130	-.00060
.500	2.000	.00190	.01630	.15240	-.11380	-.00780	.00160	-.00080
.500	3.000	-.00080	.11810	.14860	-.14730	-.00890	.00160	-.00090
.500	4.000	-.00160	.21780	.14790	-.17700	-.00860	.00180	-.00100
.500	5.000	-.00010	.31340	.14770	-.20090	-.00920	.00200	-.00110
.500	6.000	.00320	.40640	.14920	-.22100	-.00900	.00210	- 00120
.500	7.000	.00550	.49910	.15200	-.24110	-.00810	.00200	- 00120
.500	8.000	.00540	.59050	.15610	-.26260	-.00760	.00190	- 00130
.500	9.000	.00520	.67630	.16120	-.28370	-.00760	.00180	- 00130
.500	10.000	.00660	.75600	.16700	-.30260	-.00730	.00140	-.00130
.500	11.000	.00720	.83330	.17380	-.32030	-.00670	.00090	-.00120
.500	12.000	.00710	.91330	.18120	-.33650	-.00680	.00050	-.00090
	GRADIENT	.00034	.09990	-.00423	-.02763	-.00081	.00023	- 00016

RUN NO 281/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	.00060	-.43070	.18050	.01160	-.00420	.00060	00000
.600	-1.000	.00110	-.32170	.16970	-.01100	-.00450	.00050	-.00010
.600	.000	-.00130	-.21490	.16210	-.03570	-.00480	.00070	- 00020
.600	1.000	-.00430	-.11070	.15710	-.06430	-.00500	.00080	- 00030
.600	2.000	-.00540	-.00720	.15370	-.09640	-.00490	.00080	-.00040
.600	3.000	-.00500	.09790	.15140	-.13130	-.00500	.00090	-.00040
.600	4.000	-.00450	.20070	.15030	-.16480	-.00530	.00110	- 00040
.600	5.000	-.00510	.29880	.15040	-.19390	-.00570	.00150	- 00050
.600	6.000	-.00570	.39440	.15200	-.21890	-.00610	.00180	- 00060
.600	7.000	-.00540	.48970	.15530	-.24220	-.00640	.00190	- 00070
.600	8.000	-.00150	.58180	.15980	-.26280	-.00660	.00160	- 00080
.600	9.000	.00460	.66860	.16540	-.27960	-.00670	.00140	-.00070
.600	10.000	.00720	.75430	.17210	-.29310	-.00670	.00120	-.00060
.600	11.000	.00630	.84410	.18010	-.30520	-.00760	.00130	-.00010
.600	12.000	.00540	.93910	.19010	-.31290	-.00880	.00140	.00050
	GRADIENT	-.00095	.10429	-.00409	-.03008	-.00018	.00012	-.00007



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 395

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGH064) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 10 000 ELV-0B = 13 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 1ORB = 9.700

RUN NO 280/ 0 RN/L = 3.47 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2 000	.00700	- .48200	.18520	.04120	- .00500	.00040	- .00020
700	-1.000	.00600	- .36090	.17330	.00620	- .00520	.00050	- .00040
700	.000	.00850	- .24790	.16450	- .02000	- .00470	.00050	- .00050
.700	1.000	.00570	- .14180	.15880	- .04710	- .00450	.00060	- .00060
700	2 000	.00120	- .03640	.15570	- .08170	- .00450	.00080	- .00070
.700	3.000	.00270	.07320	.15420	- .12370	- .00460	.00100	- .00100
.700	4.000	.00600	.18150	.15400	- .16530	- .00480	.00120	- .00120
700	5 000	.00550	.28580	.15490	- .19860	- .00490	.00130	- .00120
.700	6 000	.00430	.38670	.15700	- .22100	- .00470	.00140	- .00080
.700	7.000	.00530	.48680	.16010	- .23610	- .00460	.00140	- .00070
.700	8.000	.00740	.58800	.16480	- .25130	- .00480	.00120	- .00090
.700	9.000	.00630	.68960	.17250	- .27000	- .00520	.00100	- .00150
700	10.000	.00640	.78980	.18380	- .28820	- .00550	.00070	- .00190
700	11 000	.00860	.88430	.19800	- .29800	- .00530	.00060	- .00190
.700	12.000	.01100	.96810	.21520	- .29610	- .00490	.00060	- .00170
	GRADIENT	- .00050	.10899	- .00408	- .03431	.00004	.00014	- .00015

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OF POOR QUALITY

CA5 K1 F20 H15 6 V9.1 MINUS ORB TC5 AT38.1

(BGM065) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELY-1B = .000 ELY-0B = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 IORB = 9 700

RUN NO. 284/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	.02450	-.46230	.17890	.14100	-.00320	.00040	-.00020
.600	-1.000	.02620	-.35350	.16740	.11940	-.00380	.00040	-.00020
.600	.000	.02500	-.24660	.15910	.09700	-.00420	.00060	-.00040
.600	1.000	.02550	-.14220	.15350	.06970	-.00450	.00070	-.00050
.600	2.000	.02550	-.03820	.14990	.03610	-.00470	.00070	-.00050
.600	3.000	.02170	.06770	.14750	-.00290	-.00480	.00080	-.00060
.600	4.000	.01660	.17180	.14610	-.04170	-.00510	.00100	-.00070
.600	5.000	.01380	.27110	.14590	-.07890	-.00530	.00130	-.00070
.600	6.000	.01450	.36730	.14710	-.10480	-.00540	.00160	-.00070
.600	7.000	.01590	.46260	.15020	-.13030	-.00550	.00160	-.00070
.600	8.000	.01580	.55530	.15450	-.15210	-.00560	.00130	-.00080
.600	9.000	.01680	.64310	.15970	-.16930	-.00560	.00100	-.00080
.600	10 000	.02150	.72860	.16560	-.18260	-.00580	.00090	-.00070
.600	11.000	.02580	.81760	.17310	-.19560	-.00690	.00100	-.00020
.600	12.000	.02730	.91170	.18310	-.20540	-.00800	.00110	.00030
	GRADIENT	-.00158	.10485	-.00447	-.03163	-.00028	.00012	-.00008

RUN NO. 283/ 0 RN/L = 3.46 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	.02250	-.50860	.18340	.15960	-.00410	.00020	-.00040
.700	-1.000	.01660	-.39000	.17090	.12630	-.00430	.00030	-.00060
.700	.000	.01580	-.27750	.16170	.09890	-.00420	.00040	-.00070
.700	1.000	.01760	-.17020	.15580	.07090	-.00400	.00040	-.00080
.700	2.000	.02010	-.06490	.15230	.03740	-.00400	.00050	-.00100
.700	3.000	.02220	.04330	.15040	-.00310	-.00400	.00070	-.00130
.700	4.000	.02340	.15220	.15010	-.04480	-.00390	.00080	-.00140
.700	5.000	.02310	.25620	.15050	-.08020	-.00350	.00090	-.00130
.700	6.000	.02110	.35510	.15130	-.10620	-.00330	.00100	-.00100
.700	7.000	.01800	.45380	.15320	-.12710	-.00360	.00110	-.00080
.700	8.000	.01690	.55790	.15810	-.14680	-.00410	.00100	-.00090
.700	9.000	.02160	.66490	.16700	-.16680	-.00450	.00070	-.00130
.700	10.000	.03000	.76620	.17840	-.18460	-.00450	.00050	-.00180
.700	11.000	.03610	.86840	.19140	-.19370	-.00440	.00040	-.00200
.700	12.000	.03510	.94200	.20750	-.19120	-.00420	.00040	-.00190
	GRADIENT	.00071	.10880	-.00442	-.03421	.00009	.00010	-.00015

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DATE 20, JUN 75

TABLATED SOURCE DATA - CA5

PAGE 397

CA5 K1 F20 H15 B V9.1 MINUS ORB TC5 AT38.1

(BGM066) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN XC
LREF = 327.8000 IN. YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
RUD-U = .000 RUD-L = .000
ELV-18 = .000 ELV-OB = 3.000
S1-2 = 45.000 S3-4 = 45.000
S5-6 = 45.000 TORB = 9.700

RUN NO. 285/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	.02050	-.42060	.17680	.12100	-.00370	.00040	-.00030
.500	-1.000	.02140	-.32220	.16620	.10860	-.00350	.00050	-.00040
.500	.000	.01790	-.22200	.15840	.08790	-.00470	.00080	-.00060
.500	1.000	.01490	-.12190	.15290	.05930	-.00590	.00120	-.00080
.500	2.000	.01770	-.02090	.14900	.02440	-.00670	.00130	-.00100
.500	3.000	.02390	.08270	.14620	-.01360	-.00750	.00140	-.00110
.500	4.000	.02220	.18480	.14460	-.04920	-.00870	.00150	-.00120
.500	5.000	.01470	.28200	.14430	-.07850	-.00930	.00170	-.00130
.500	6.000	.01250	.37570	.14510	-.10260	-.00870	.00180	-.00140
.500	7.000	.01440	.46940	.14740	-.12610	-.00750	.00180	-.00140
.500	8.000	.01380	.56200	.15120	-.15010	-.00680	.00180	-.00150
.500	9.000	.01120	.64850	.15590	-.17240	-.00660	.00160	-.00150
.500	10.000	.01310	.72830	.16130	-.19190	-.00640	.00120	-.00150
.500	11.000	.01790	.80530	.16740	-.20960	-.00600	.00070	-.00130
.500	12.000	.02040	.88520	.17430	-.22520	-.00600	.00040	-.00110
	GRADIENT	-.00019	.10081	-.00448	-.03006	-.00089	.00019	-.00015

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGM067) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 5 000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 TORB = 9.700

RUN NO. 286/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.76860	.34250	.12980	-.11590	.21670	-.02630	.01090
.500	-10.000	5.76900	.34660	.13310	-.11390	.17420	-.01960	.00830
.500	-8.000	5.77390	.34390	.13640	-.09510	.13450	-.01440	.00620
.500	-6.000	5.77830	.34040	.13930	-.07830	.09520	-.00940	.00430
.500	-4.000	5.77930	.33950	.14160	-.07290	.05640	-.00440	.00230
.500	-3.000	5.77880	.34110	.14240	-.07590	.03790	-.00230	.00130
.500	-2.000	5.77730	.34340	.14310	-.08150	.02090	-.00060	.00050
.500	-1.000	5.77730	.34480	.14360	-.08650	.00600	.00050	-.00030
.500	.000	5.77730	.34410	.14410	-.08900	-.00740	.00150	-.00090
.500	1.000	5.77780	.34240	.14450	-.08830	-.02080	.00240	-.00160
.500	2.000	5.77880	.33990	.14470	-.08300	-.03490	.00330	-.00220
.500	3.000	5.77930	.33780	.14420	-.07510	-.05010	.00440	-.00280
.500	4.000	5.77830	.33650	.14340	-.06990	-.06700	.00600	-.00360
.500	6.000	5.77640	.33720	.14080	-.07270	-.10510	.01040	-.00560
.500	8.000	5.77540	.34090	.13740	-.08630	-.14690	.01590	-.00790
.500	10.000	5.77490	.34280	.13390	-.10020	-.18960	.02190	-.01030
.500	12.000	5.76900	.33510	.13090	-.09390	-.22950	.02740	-.01280
GRADIENT		.00002	-.00052	.00028	.00016	-.01493	.00119	-.00071

RUN NO. 287/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.77000	.33480	.13370	-.11950	.21930	-.02690	.00980
.600	-10.000	5.77440	.33800	.13570	-.11190	.17800	-.02120	.00760
.600	-8.000	5.77730	.33460	.13910	-.08970	.13690	-.01560	.00560
.600	-6.000	5.77980	.33130	.14230	-.07340	.09570	-.00980	.00370
.600	-4.000	5.78170	.33110	.14460	-.07210	.05590	-.00440	.00200
.600	-3.000	5.78220	.33340	.14530	-.07680	.03790	-.00230	.00130
.600	-2.000	5.78120	.33700	.14600	-.08350	.02220	-.00100	.00070
.600	-1.000	5.77980	.33930	.14640	-.09030	.00810	.00000	.00000
.600	.000	5.77880	.33870	.14690	-.09440	-.00580	.00110	-.00060
.600	1.000	5.77880	.33550	.14730	-.09270	-.02060	.00230	-.00130
.600	2.000	5.77980	.33160	.14750	-.08590	-.03570	.00330	-.00190
.600	3.000	5.78030	.32860	.14730	-.07710	-.05120	.00430	-.00240
.600	4.000	5.78080	.32680	.14650	-.07000	-.06760	.00580	-.00300
.600	6.000	5.78120	.32770	.14400	-.06770	-.10540	.01040	-.00480
.600	8.000	5.78030	.33210	.14070	-.07980	-.14930	.01670	-.00710
.600	10.000	5.77830	.33410	.13730	-.09620	-.19470	.02330	-.00960
.600	12.000	5.77540	.32390	.13440	-.09430	-.23120	.02720	-.01150
GRADIENT		-.00022	-.00077	.00029	.00000	-.01510	.00119	-.00063

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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 399

CA5 K1 F20 H15 6 V9.1 MINUS ORB TC5 AT38.1

(BGM067) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN XC
LREF = 327.8000 IN. YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN ZC
SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
RUD-U = 0.000 RUD-L = 0.000
ELV-IB = .000 ELV-OB = 3.000
S1-2 = 45.000 S3-4 = 45.000
S5-6 = 45.000 IORB = 9.700

RUN NO. 286/ 0 RN/L = 3.49 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78170	.32580	.13360	-.11360	.22800	-.02890	.01150
.700	-10.000	5.78320	.32940	.13600	-.10360	.18690	-.02420	.00930
.700	-8.000	5.78370	.32460	.14090	-.08540	.14140	-.01660	.00590
.700	-6.000	5.78470	.32100	.14550	-.07480	.09800	-.00990	.00300
.700	-4.000	5.78560	.32280	.14860	-.07760	.06020	-.00550	.00140
.700	-3.000	5.78520	.32590	.14950	-.08320	.04330	-.00390	.00090
.700	-2.000	5.78470	.32930	.15010	-.08920	.02730	-.00230	.00040
.700	-1.000	5.78420	.33130	.15080	-.09340	.01220	-.00100	-.00010
.700	.000	5.78470	.33050	.15180	-.09410	-.00250	.00030	-.00050
.700	1.000	5.78550	.32750	.15220	-.09050	-.01870	.00170	-.00110
.700	2.000	5.78610	.32390	.15210	-.08510	-.03640	.00360	-.00160
.700	3.000	5.78650	.32140	.15150	-.07960	-.05460	.00540	-.00210
.700	4.000	5.78560	.32010	.15030	-.07370	-.07280	.00710	-.00260
.700	6.000	5.78270	.32010	.14700	-.06600	-.11160	.01120	-.00420
.700	8.000	5.78030	.32280	.14260	-.07070	-.15430	.01740	-.00700
.700	10.000	5.77830	.32530	.13820	-.08520	-.19870	.02440	-.01030
.700	12.000	5.77290	.32390	.13570	-.09730	-.23910	.02890	-.01260
GRADIENT		.00014	-.00065	.00030	.00063	-.01640	.00154	-.00050

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGM068) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

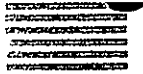
BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-IB = 000 ELV-OB = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 IORB = 9 700

RUN NO. 291/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.01370	-.45210	.17880	.24090	-.00440	.00040	-.00050
.500	-1.000	-.01440	-.35370	.16710	.22660	-.00340	.00040	-.00050
.500	0.000	-.01270	-.25280	.15810	.20500	-.00440	.00060	-.00070
.500	1.000	-.01270	-.15230	.15180	.17730	-.00600	.00100	-.00100
.500	2.000	-.01180	-.05220	.14770	.14340	-.00700	.00120	-.00120
.500	3.000	-.00720	.04940	.14470	.10570	-.00740	.00130	-.00120
.500	4.000	-.00330	.15030	.14260	.06910	-.00760	.00140	-.00120
.500	5.000	-.00190	.24880	.14190	.03730	-.00810	.00160	-.00130
.500	6.000	-.00400	.34510	.14260	.00990	-.00810	.00180	-.00140
.500	7.000	-.00870	.44020	.14460	-.01700	-.00770	.00180	-.00150
.500	8.000	-.01240	.53310	.14780	-.04380	-.00730	.00180	-.00170
.500	9.000	-.01380	.62020	.15220	-.06780	-.00710	.00170	-.00180
.500	10.000	-.01270	.70040	.15720	-.08780	-.00650	.00120	-.00170
.500	11.000	-.00790	.77730	.16290	-.10560	-.00590	.00050	-.00170
.500	12.000	-.00160	.85750	.16940	-.12210	-.00600	.00010	-.00150
	GRADIENT	.00185	.10039	-.00506	-.03029	-.00068	.00019	-.00013

RUN NO 290/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.00210	-.49310	.18200	.25590	-.00410	.00040	-.00010
.600	-1.000	-.00190	-.38330	.16960	.23260	-.00430	.00040	-.00030
.600	0.000	.00040	-.27510	.16030	.20960	-.00440	.00050	-.00060
.600	1.000	.00380	-.17250	.15310	.18290	-.00450	.00060	-.00070
.600	2.000	.00490	-.06800	.14960	.14960	-.00460	.00060	-.00070
.600	3.000	.00370	.04300	.14930	.10950	-.00480	.00070	-.00070
.600	4.000	.00530	.15010	.14870	.06840	-.00520	.00090	-.00070
.600	5.000	.00780	.24670	.14660	.03260	-.00580	.00130	-.00080
.600	6.000	.00610	.33770	.14510	.00350	-.00610	.00160	-.00090
.600	7.000	-.00100	.43250	.14720	-.02240	-.00610	.00160	-.00100
.600	8.000	-.00110	.52770	.15190	-.04550	-.00590	.00130	-.00100
.600	9.000	.00330	.61600	.15690	-.06460	-.00600	.00100	-.00100
.600	10.000	.00810	.70180	.16250	-.08120	-.00610	.00090	-.00100
.600	11.000	.01020	.79210	.16980	-.09710	-.00720	.00100	-.00060
.600	12.000	.00860	.88790	.17990	-.10820	-.00830	.00110	-.00010
	GRADIENT	.00138	.10600	-.00463	-.03235	-.00021	.00011	-.00009



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 401

CA5 KI F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGM068) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 SS-6 = 45 000 10RB = 9.700

RUN NO. 289/ 0 RN/L = 3.47 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCO	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.00200	-.53530	.18830	.26390	-.00350	.00010	-.00030
.700	-1.000	-.00130	-.41670	.17470	.22910	-.00360	.00010	-.00060
.700	.000	.00250	-.30690	.16420	.20010	-.00330	.00010	-.00070
.700	1.000	.00320	-.19850	.15720	.17200	-.00320	.00020	-.00080
.700	2 000	- 00030	-.08930	.15310	.14060	-.00340	.00040	-.00100
.700	3 000	- 00400	.02040	.15100	.10250	-.00340	.00060	-.00130
.700	4.000	-.00490	.12580	.15010	.06250	-.00330	.00070	-.00140
.700	5.000	-.00510	.22670	.15030	.02770	-.00320	.00080	-.00140
.700	6.000	-.00460	.32880	.15160	- 00070	-.00320	.00090	-.00100
.700	7.000	- 00120	.43300	.15410	- 02570	- 00340	.00110	- 00080
.700	8.000	.00420	.53720	.15830	- 05020	-.00380	.00100	- 00090
.700	9 000	.00360	.63980	.16550	- 07230	- 00420	.00070	-.00130
.700	10.000	.00200	.73990	.17590	-.09020	-.00440	.00050	- 00180
.700	11.000	.00440	.83360	.18890	- 09950	-.00410	.00030	- 00190
.700	12 000	.00860	.91710	.20510	-.09740	-.00380	.00040	-.00180
GRADIENT		-.00075	.10878	-.00515	-.03346	.00004	.00011	-.00016

CAS K1 F20 H15.8 VS.1 MINUS ORB TC5 AT38.1

(8GM069) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10 000 RUD-L = 10,000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 IORB = 9 700

RUN NO. 296/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.500	-12 000	5.76420	.34320	.13140	-.11270	.24800	-.04430	.01260
.500	-10 000	5.76460	.34750	.13380	-.11440	.20680	-.03860	.01050
.500	-8 000	5.76950	.34460	.13660	-.09630	.16550	-.03280	.00830
.500	-6 000	5.77250	.34190	.13950	-.08020	.12530	-.02750	.00610
.500	-4 000	5.77290	.34260	.14220	-.07610	.08780	-.02320	.00430
.500	-3.000	5.77250	.34450	.14320	-.07910	.07050	-.02150	.00350
.500	-2.000	5.77200	.34640	.14400	-.08390	.05450	-.02010	.00280
.500	-1.000	5.77200	.34710	.14460	-.08760	.04000	-.01890	.00210
.500	.000	5.77200	.34620	.14510	-.08860	.02630	-.01780	.00140
.500	1.000	5.77200	.34460	.14580	-.08660	.01250	-.01680	.00070
.500	2.000	5.77250	.34230	.14600	-.08070	-.00190	-.01600	.00010
.500	3.000	5.77290	.34000	.14560	-.07310	-.01730	-.01480	-.00060
.500	4.000	5.77250	.33900	.14490	-.06920	-.03430	-.01310	-.00140
.500	6.000	5.77050	.34060	.14270	-.07380	-.07190	-.00870	-.00350
.500	8.000	5.76760	.34410	.13940	-.08700	-.11330	-.00370	-.00570
.500	10.000	5.76460	.34450	.13570	-.09910	-.15620	.00190	-.00800
.500	12 000	5.76270	.33620	.13250	-.09400	-.19800	.00910	-.01100
GRADIENT		.00001	-.00064	.00039	.00088	-.01487	.00118	-.00070

RUN NO. 295/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.600	-12.000	5.76660	.33340	.13540	-.11340	.24950	-.04430	.01160
.600	-10.000	5.76910	.33800	.13630	-.11090	.21280	-.04130	.01000
.600	-8.000	5.77100	.33510	.13950	-.09100	.17030	-.03500	.00790
.600	-6.000	5.77340	.33220	.14300	-.07610	.12770	-.02850	.00590
.600	-4.000	5.77390	.33280	.14570	-.07520	.08870	-.02360	.00420
.600	-3.000	5.77390	.33510	.14650	-.07910	.07170	-.02200	.00360
.600	-2.000	5.77390	.33820	.14710	-.08420	.05650	-.02090	.00300
.600	-1.000	5.77290	.33960	.14760	-.08920	.04230	-.01980	.00230
.600	.000	5.77200	.33790	.14800	-.09140	.02810	-.01850	.00160
.600	1.000	5.77250	.33420	.14820	-.08790	.01350	-.01730	.00090
.600	2.000	5.77290	.33080	.14840	-.08000	-.00150	-.01650	.00040
.600	3.000	5.77390	.32790	.14820	-.07090	-.01710	-.01550	-.00020
.600	4.000	5.77440	.32520	.14740	-.06430	-.03430	-.01390	-.00080
.600	6.000	5.77340	.32390	.14480	-.06360	-.07300	-.00900	-.00270
.600	8 000	5.77200	.32930	.14220	-.07620	-.11550	-.00320	-.00480
.600	10.000	5.77000	.33440	.13980	-.09270	-.15890	.00290	-.00710
.600	12.000	5.76760	.32420	.13630	-.09440	-.19960	.00890	-.00960
GRADIENT		-.00001	-.00120	.00025	.00130	-.01505	.00116	-.00063

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F20 H15 6 V9.1 MINUS ORB TC5 AT38 1

(BGM069) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUC-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45.000 10RB = 9.700

RUN NO. 294/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.700	-12.000	5.77730	.32340	.13510	-.10330	.25630	-.04540	.01300
.700	-10.000	5.77640	.32730	.13670	-.10200	.22200	-.04430	.01160
.700	-8.000	5.77780	.32090	.14080	-.08750	.17620	-.03580	.00830
.700	-6.000	5.77980	.31750	.14570	-.07810	.13150	-.02960	.00540
.700	-4.000	5.78080	.32160	.14980	-.08000	.09410	-.02530	.00380
.700	-3.000	5.78030	.32540	.15110	-.08450	.07810	-.02410	.00330
.700	-2.000	5.77980	.32850	.15170	-.08920	.06300	-.02290	.00280
.700	-1.000	5.77980	.32970	.15220	-.09140	.04790	-.02150	.00210
.700	.000	5.78080	.32810	.15280	-.08980	.03280	-.02000	.00160
.700	1.000	5.78080	.32490	.15360	-.08500	.01680	-.01840	.00120
.700	2.000	5.77980	.32180	.15370	-.07950	-.00050	-.01680	.00080
.700	3.000	5.77880	.32000	.15320	-.07390	-.01900	-.01490	.00030
.700	4.000	5.77980	.31930	.15210	-.06680	-.03800	-.01300	-.00020
.700	6.000	5.78080	.31990	.14900	-.05560	-.07730	-.00860	-.00190
.700	8.000	5.77690	.32150	.14480	-.06310	-.11880	-.00280	-.00450
.700	10.000	5.77050	.32250	.14060	-.08210	-.16240	.00420	-.00770
.700	12.000	5.76900	.32210	.13710	-.09490	-.20770	.01130	-.01060
GRADIENT		-.00012	-.00073	.00035	.00184	-.01630	.00154	-.00050

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F20 H15 6 V9.1 MINUS ORB TC5 AT3B 1

(BGM070) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 9.700

RUN NO. 299/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	OCL	DCO	OCLM	DCY	OCLN	OCSL
.500	-2.000	-.01270	-.21280	.14090	.05440	-.00320	.00040	-.00070
.500	-1.000	-.01290	-.10650	.13190	.03730	-.00240	.00030	-.00090
.500	.000	-.01310	-.00020	.12570	.01530	-.00330	.00050	-.00140
.500	1.000	-.01300	.10380	.12170	-.01260	-.00510	.00090	-.00180
.500	2.000	-.01340	.20610	.11920	-.04510	-.00630	.00120	-.00190
.500	3.000	-.01390	.30810	.11770	-.07780	-.00630	.00130	-.00190
.500	4.000	-.01340	.40730	.11780	-.10610	-.00610	.00130	-.00190
.500	5.000	-.00950	.50320	.11960	-.13070	-.00620	.00150	-.00210
.500	6.000	-.00530	.59810	.12300	-.15420	-.00640	.00170	-.00240
.500	7.000	-.00550	.69370	.12780	-.17760	-.00620	.00180	-.00240
.500	8.000	-.01180	.78670	.13350	-.19870	-.00600	.00180	-.00230
.500	9.000	-.01730	.87390	.14020	-.21710	-.00600	.00180	-.00230
.500	10.000	-.01580	.95610	.14770	-.23610	-.00560	.00160	-.00210
.500	11.000	-.01080	1.03690	.15640	-.25720	-.00490	.00120	-.00160
.500	12.000	-.00830	1.11890	.16610	-.27700	-.00480	.00070	-.00090
	GRADIENT	.00020	.10248	-.00293	-.02767	-.00059	.00018	-.00020

RUN NO. 298/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	OCL	DCO	OCLM	DCY	OCLN	OCSL
.600	-2.000	-.01050	-.26270	.14390	.07010	-.00290	.00040	-.00050
.600	-1.000	-.01080	-.14510	.13380	.04540	-.00300	.00030	-.00080
.600	.000	-.01090	-.03240	.12690	.02140	-.00350	.00040	-.00110
.600	1.000	-.01110	.07530	.12300	-.00730	-.00440	.00070	-.00150
.600	2.000	-.01200	.18360	.12070	-.04070	-.00420	.00070	-.00170
.600	3.000	-.00940	.29030	.11970	-.07470	-.00420	.00070	-.00170
.600	4.000	-.00590	.39250	.12000	-.10400	-.00440	.00080	-.00170
.600	5.000	-.00690	.49060	.12190	-.12890	-.00420	.00090	-.00160
.600	6.000	-.00710	.58860	.12560	-.15450	-.00410	.00120	-.00170
.600	7.000	-.00610	.68730	.13100	-.18240	-.00470	.00150	-.00170
.600	8.000	-.00760	.78250	.13780	-.20890	-.00550	.00170	-.00160
.600	9.000	-.01040	.87130	.14580	-.23030	-.00590	.00160	-.00150
.600	10.000	-.01100	.95590	.15540	-.24560	-.00590	.00140	-.00120
.600	11.000	-.00840	1.04080	.16710	-.25380	-.00640	.00130	-.00070
.600	12.000	-.00740	1.12130	.18110	-.25030	-.00690	.00140	-.00010
	GRADIENT	.00057	.10759	-.00294	-.02931	-.00021	.00008	-.00017

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGM070) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20 000 10RB = 9 700

RUN NO. 297/ 0 RN/L = 3.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.00070	-.32070	.14790	.08740	-.00270	.00010	-.00050
.700	-1.000	- .00100	-.19100	.13650	.05020	-.00260	.00000	- .00100
.700	.000	- .00110	-.07260	.12880	.02050	- .00270	.00000	-.00130
.700	1.000	-.00110	.03810	.12440	-.00930	-.00290	.00010	-.00160
.700	2.000	-.00110	.14590	.12230	-.04110	-.00290	.00020	-.00180
.700	3.000	-.00040	.25580	.12190	-.07680	-.00270	.00040	- .00200
.700	4.000	.00080	.36550	.12310	-.11130	-.00260	.00050	- .00200
.700	5.000	-.00040	.47090	.12590	-.14050	-.00230	.00060	-.00200
.700	6.000	-.00240	.57330	.13040	-.16610	-.00220	.00070	-.00180
.700	7.000	- .00080	.67680	.13670	-.18910	-.00260	.00090	- .00170
.700	8.000	.00240	.78080	.14550	-.20860	-.00350	.00110	- .00180
.700	9.000	.00180	.88050	.15780	-.22330	-.00440	.00110	-.00210
.700	10.000	.00300	.96940	.17380	-.22980	- .00440	.00090	- .00230
.700	11.000	.00090	1.04090	.19180	-.22260	-.00360	.00060	- .00200
.700	12.000	-.01700	1.09240	.21030	-.20080	-.00220	.00040	- .00140
	GRADIENT	.00016	.11210	-.00290	-.03246	.00003	.00009	- .00021

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F20 H15.6 V9.1 MINUS ORB TCS AT38 1

(BGM071) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

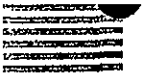
BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 9.700

RUN NO. 302/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.01440	.10470	.09630	-.03010	-.00630	.00050	-.00170
.500	-1.000	-.01510	.22200	.09060	-.04710	-.00560	.00040	-.00180
.500	.000	-.01680	.33590	.08760	-.07080	-.00650	.00070	-.00200
.500	1.000	-.01490	.44230	.08670	-.09680	-.00770	.00100	-.00220
.500	2.000	-.00850	.54540	.08780	-.12190	-.00890	.00130	-.00230
.500	3.000	-.00800	.64830	.09040	-.14880	-.00930	.00150	-.00240
.500	4.000	-.01200	.74930	.09450	-.17700	-.00920	.00150	-.00270
.500	5.000	-.01420	.84770	.09980	-.20440	-.00920	.00150	-.00290
.500	6.000	-.01340	.94550	.10640	-.22970	-.00900	.00140	-.00290
.500	7.000	-.01280	1.04270	.11460	-.25170	-.00810	.00130	-.00290
.500	8.000	-.01250	1.13510	.12370	-.27000	-.00740	.00120	-.00310
.500	9.000	-.01080	1.22000	.13380	-.28630	-.00730	.00130	-.00340
.500	10.000	-.00890	1.29680	.14490	-.30150	-.00700	.00130	-.00290
.500	11.000	-.01040	1.36710	.15700	-.31290	-.00690	.00130	-.00200
.500	12.000	-.01480	1.42310	.16980	-.31380	-.00730	.00130	-.00160
	GRADIENT	.00059	.10569	.00064	-.02534	-.00057	.00018	-.00017

RUN NO. 301/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.00650	.07540	.09970	-.03180	-.00520	.00030	-.00160
.600	-1.000	-.00560	.20460	.09340	-.05640	-.00550	.00020	-.00190
.600	.000	-.00380	.32670	.09000	-.08260	-.00610	.00030	-.00200
.600	1.000	-.00240	.43910	.08940	-.10910	-.00650	.00050	-.00210
.600	2.000	-.00530	.54850	.09130	-.13580	-.00660	.00070	-.00220
.600	3.000	-.00570	.65690	.09470	-.16560	-.00650	.00070	-.00240
.600	4.000	-.00560	.76290	.09930	-.19480	-.00640	.00070	-.00260
.600	5.000	-.00360	.86540	.10520	-.21980	-.00610	.00070	-.00270
.600	6.000	-.00050	.96550	.11300	-.24090	-.00590	.00070	-.00270
.600	7.000	-.00280	1.06050	.12290	-.25790	-.00590	.00070	-.00270
.600	8.000	-.00900	1.14590	.13440	-.27010	-.00590	.00050	-.00260
.600	9.000	-.01090	1.21840	.14720	-.27710	-.00590	.00050	-.00230
.600	10.000	-.01010	1.27580	.16190	-.27600	-.00590	.00090	-.00110
.600	11.000	-.00790	1.31880	.17800	-.26660	-.00620	.00130	.00000
.600	12.000	-.00480	1.35210	.19630	-.25210	-.00640	.00130	.00020
	GRADIENT	.00014	.11216	.00100	-.02719	-.00014	.00008	-.00015



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 407

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT3B 1

(BGM071) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 9.700

RUN NO. 300/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.00930	.00610	.10660	-.02540	-.00360	-.00050	-.00130
.700	-1.000	-.01030	.14550	.09920	-.05970	-.00410	-.00040	-.00160
.700	.000	-.00980	.27300	.09490	-.09130	-.00430	-.00030	-.00170
.700	1.000	-.00990	.38970	.09360	-.12090	-.00440	-.00030	-.00180
.700	2.000	-.00970	.50180	.09530	-.14880	-.00460	.00000	-.00190
.700	3.000	-.00920	.61320	.09940	-.17870	-.00440	.00030	-.00220
.700	4.000	-.00940	.72420	.10540	-.21000	-.00420	.00030	-.00250
.700	5.000	-.00760	.83290	.11300	-.24050	-.00380	.00030	-.00280
.700	5.000	-.00640	.93930	.12320	-.26390	-.00290	.00010	-.00280
.700	7.000	-.00480	1.02990	.13660	-.26920	-.00210	-.00010	-.00260
.700	8.000	-.00320	1.09560	.15250	-.25650	-.00220	-.00020	-.00220
.700	9.000	-.00160	1.14430	.17020	-.24050	-.00270	-.00020	-.00220
.700	10.000	.00010	1.19200	.18900	-.23230	-.00280	-.00030	-.00240
.700	11.000	.00210	1.23960	.20840	-.22240	-.00210	-.00050	-.00210
.700	12.000	.00470	1.28100	.22860	-.19840	-.00100	-.00090	-.00090
GRADIENT		.00028	.11683	.00108	-.03033	-.00003	.00013	-.00020

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38 1

(BGM072) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 9 700

RUN NO. 305/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	7.54050	.99680	.10320	-.23610	.23070	-.03060	.02970
.500	-10.000	7.56100	1.01600	.10450	-.24210	.18210	-.02320	.02520
.500	-8.000	7.49800	1.03170	.10870	-.23520	.13840	-.01680	.01990
.500	-6.000	7.47020	1.04640	.11320	-.23130	.09620	-.01060	.01430
.500	-4.000	7.51270	1.06070	.11620	-.23680	.05530	-.00480	.00880
.500	-3.000	7.53610	1.06750	.11680	-.24200	.03670	-.00250	.00600
.500	-2.000	7.53810	1.07390	.11700	-.24690	.02050	-.00100	.00330
.500	-1.000	7.53220	1.07710	.11720	-.25090	.00640	-.00010	.00040
.500	.000	7.53370	1.07640	.11740	-.25220	-.00700	.00080	-.00270
.500	1.000	7.53470	1.07250	.11750	-.24860	-.02100	.00190	-.00570
.500	2.000	7.53610	1.06760	.11750	-.24190	-.03620	.00290	-.00840
.500	3.000	7.53860	1.06260	.11710	-.23410	-.05300	.00440	-.01090
.500	4.000	7.54050	1.05700	.11610	-.22740	-.07120	.00640	-.01350
.500	6.000	7.54300	1.04330	.11290	-.21970	-.11060	.01160	-.01890
.500	8.000	7.54390	1.02940	.10900	-.21780	-.15340	.01800	-.02450
.500	10.000	7.54590	1.00420	.10550	-.21850	-.19870	.02510	-.03000
.500	12.000	7.55180	.98390	.10430	-.21530	-.24660	.03250	-.03500
GRADIENT		.00195	-.00078	.00003	.00123	-.01526	.00125	-.00282

RUN NO. 304/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	7.54740	1.00090	.11130	-.23850	.23700	-.03180	.02760
.600	-10.000	7.54250	1.01900	.11230	-.23210	.18940	-.02500	.02360
.600	-8.000	7.53810	1.03360	.11620	-.22410	.14360	-.01860	.01890
.600	-6.000	7.53420	1.04940	.12080	-.22350	.09980	-.01250	.01370
.600	-4.000	7.53120	1.06750	.12470	-.23270	.05910	-.00700	.00830
.600	-3.000	7.52930	1.07710	.12590	-.23970	.04050	-.00450	.00560
.600	-2.000	7.52830	1.08620	.12650	-.24680	.02370	-.00250	.00300
.600	-1.000	7.52730	1.09230	.12700	-.25380	.00900	-.00120	.00030
.600	.000	7.52780	1.09270	.12750	-.25720	-.00460	-.00030	-.00240
.600	1.000	7.52880	1.08700	.12740	-.25210	-.01890	.00080	-.00530
.600	2.000	7.53030	1.07890	.12680	-.24300	-.03510	.00220	-.00790
.600	3.000	7.53270	1.07060	.12620	-.23440	-.05300	.00430	-.01030
.600	4.000	7.53470	1.06290	.12530	-.22750	-.07150	.00660	-.01270
.600	6.000	7.53760	1.04660	.12240	-.21880	-.11100	.01190	-.01780
.600	8.000	7.54100	1.02780	.11850	-.21620	-.15640	.01910	-.02340
.600	10.000	7.54640	1.00620	.11480	-.21890	-.20620	.02700	-.02880
.600	12.000	7.55220	.98520	.11390	-.22660	-.25080	.03300	-.03270
GRADIENT		.00049	-.00096	.00007	.00077	-.01581	.00154	-.00265

CAS K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38 1

(BGM072) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8 000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1OR8 = 9.700

RUN NO. 303/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	7.56450	.96230	.12380	-.22710	.24840	-.03500	.01910
.700	-10.000	7.56100	.97880	.12670	-.21370	.20170	-.02910	.01560
.700	-8 000	7.55810	.99090	.13120	-.21100	.15190	-.02100	.01120
.700	-6.000	7.55370	1.00440	.13580	-.21580	.10640	-.01460	.00690
.700	-4.000	7.54830	1.02120	.13980	-.22600	.06790	-.01050	.00340
.700	-3.000	7.54690	1.03090	.14150	-.23290	.05040	-.00840	.00170
.700	-2.000	7.54640	1.04060	.14310	-.24080	.03300	-.00580	.00000
.700	-1.000	7.54590	1.04790	.14460	-.24860	.01590	-.00330	-.00130
.700	.000	7.54490	1.04910	.14550	-.25180	-.00060	-.00120	-.00220
.700	1.000	7.54540	1.04350	.14510	-.24690	-.01750	.00100	-.00300
.700	2 000	7.54590	1.03540	.14430	-.23900	-.03640	.00360	-.00400
.700	3.000	7.54740	1.02730	.14300	-.23180	-.05720	.00680	-.00540
.700	4.000	7.54930	1.01930	.14140	-.22500	-.07850	.01010	-.00710
.700	6.000	7.55370	1.00280	.13730	-.21450	-.12120	.01610	-.01090
.700	8.000	7.55860	.98660	.13280	-.20980	-.16560	.02240	-.01510
.700	10.000	7.56350	.96910	.12930	-.20900	-.21180	.02900	-.01910
.700	12.000	7.56880	.94810	.12840	-.20790	-.26030	.03630	-.02290
	GRADIENT	00007	-.00055	.00023	.00021	-.01801	.00252	-.00122

CA5 K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.1

(BGM073) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 IORB = 9.700

RUN NO 309/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.60640	.82840	.08780	-.19860	.22670	-.03040	02730
.500	-10.000	5.60640	.84330	.09000	-.20630	.17770	-.02270	.02290
.500	-8.000	5.60500	.85630	.09410	-.19660	.13320	-.01540	.01770
.500	-6.000	5.60400	.87000	.09840	-.19030	.09120	-.00890	01230
.500	-4.000	5.60300	.88410	.10160	-.19540	.05190	-.00350	.00720
.500	-3.000	5.60210	.89110	.10250	-.20170	.03410	-.00160	.00480
.500	-2.000	5.60110	.89710	.10290	-.20840	.01840	-.00050	00250
.500	-1.000	5.60160	.90030	.10310	-.21330	.00440	.00030	.00000
.500	.000	5.60210	.89960	.10340	-.21460	-.00880	.00110	-.00260
.500	1.000	5.59810	.89580	.10360	-.21170	-.02190	.00190	-.00510
.500	2.000	5.59080	.89090	.10360	-.20410	-.03570	.00260	-.00740
.500	3.000	5.58640	.88570	.10310	-.19490	-.05080	.00360	-.00970
.500	4.000	5.58940	.88070	.10200	-.18950	-.06790	.00520	-.01200
.500	6.000	5.60450	.86880	.09860	-.18780	-.10680	.01030	-.01690
.500	8.000	5.61130	.85210	.09460	-.18730	-.14980	.01720	-.02230
.500	10.000	5.60790	.83250	.09120	-.18470	-.19490	.02480	-.02780
.500	12.000	5.61180	.81460	.08960	-.17940	-.24010	.03120	-.03240
GRADIENT		-.00209	-.00078	.00009	.00090	-.01447	.00097	-.00242

RUN NO. 308/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.60300	.83420	.09210	-.19620	.23180	-.03180	02740
.600	-10.000	5.60060	.84800	.09350	-.19100	.18260	-.02390	02310
.600	-8.000	5.59910	.86130	.09740	-.18510	.13710	-.01700	.01850
.600	-6.000	5.59720	.87780	.10230	-.18930	.09430	-.01080	.01340
.600	-4.000	5.59420	.89700	.10660	-.20480	.05500	-.00540	.00780
.600	-3.000	5.59330	.90690	.10800	-.21440	.03730	-.00330	.00510
.600	-2.000	5.59330	.91530	.10870	-.22280	.02140	-.00180	.00250
.600	-1.000	5.59230	.92040	.10920	-.22880	.00720	-.00080	.00000
.600	.000	5.59180	.92050	.10950	-.23120	-.00640	.00030	-.00250
.600	1.000	5.59280	.91550	.10960	-.22720	-.02080	.00150	-.00510
.600	2.000	5.59420	.90740	.10910	-.21690	-.03610	.00280	-.00770
.600	3.000	5.59520	.89830	.10840	-.20370	-.05230	.00420	-.01010
.600	4.000	5.59670	.88970	.10710	-.19320	-.06920	.00570	-.01250
.600	6.000	5.60060	.87330	.10350	-.18260	-.10700	.01040	-.01760
.600	8.000	5.60350	.85680	.09930	-.18070	-.15230	.01800	-.02320
.600	10.000	5.60640	.83910	.09580	-.18500	-.20130	.02680	-.02870
.600	12.000	5.60890	.82310	.09470	-.19120	-.24590	.03240	-.03250
GRADIENT		.00030	-.00126	.00007	.00153	-.01514	.00131	-.00254

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F20 H15 6 V9.1 MINUS ORB TC5 AT36.1

(BGM073) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUC-U = 000 RUD-L = 000
 ELV-18 = 000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 10RB = 9.700

RUN NO. 307/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.61430	.82090	.09900	-.22070	.24130	-.03480	.02560
.700	-10.000	5.60990	.83260	.10050	-.20430	.19320	-.02720	.02200
700	-8.000	5.60600	.84140	.10490	-.20060	.14300	-.01850	.01720
.700	-6.000	5.60250	.85250	.10970	-.20530	.09870	-.01220	.01250
700	-4.000	5.59960	.86730	.11370	-.21900	.06250	-.00890	.00810
700	-3.000	5.59860	.87650	.11530	-.22370	.04600	-.00720	.00580
700	-2.000	5.59770	.88600	.11670	-.24020	.02940	-.00490	.00320
.700	-1.000	5.59720	.89260	.11810	-.24980	.01270	-.00250	.00040
.700	.000	5.59720	.89320	.11900	-.25240	-.00330	-.00060	-.00240
.700	1.000	5.59910	.88730	.11870	-.24500	-.01910	.00110	-.00500
.700	2.000	5.60010	.87910	.11780	-.23430	-.03670	.00310	-.00730
.700	3.000	5.60210	.87080	.11650	-.22400	-.05610	.00570	-.00950
.700	4.000	5.60350	.86270	.11480	-.21420	-.07580	.00830	-.01180
700	6.000	5.60550	.84740	.11070	-.20060	-.11620	.01360	-.01650
.700	8.000	5.60740	.83460	.10660	-.19990	-.16030	.02020	-.02110
.700	10.000	5.61080	.82300	.10340	-.20810	-.20740	.02810	-.02560
.700	12.000	5.61330	.80940	.10260	-.21400	-.25620	.03590	-.02970
	GRADIENT	.00053	-.00091	.00018	.00083	-.01706	.00212	-.00253

CAS K1 F20 H13.1A V9.1 MINUS ORB TC5 AT3B.1

(BGM074) (21 JAN 75)

REFERENCE DATA

SREF = 6500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = .000 IORB = 9.700

RUN NO. 313/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.02020	.10430	.09480	-.03780	-.00380	-.00010	-.00100
.500	-1.000	-.01570	.21950	.08920	-.05100	-.00300	-.00030	-.00120
.500	.000	-.01460	.33160	.08610	-.05880	-.00400	.00000	-.00150
.500	1.000	-.01500	.43810	.08530	-.06930	-.00550	.00030	-.00180
.500	2.000	-.01620	.54030	.08650	-.11400	-.00650	.00050	-.00200
.500	3 000	-.01850	.64200	.08910	-.13930	-.00670	.00050	-.00210
.500	4.000	-.02110	.74190	.09310	-.16540	-.00670	.00050	-.00230
.500	5.000	-.02360	.84060	.09850	-.19150	-.00670	.00060	-.00240
.500	6.000	-.02380	.93870	.10540	-.21600	-.00630	.00050	-.00250
.500	7.000	-.01950	1.03600	.11350	-.23820	-.00540	.00040	-.00260
.500	8.000	-.01450	1.12930	.12280	-.25750	-.00470	.00030	-.00290
.500	9.000	-.01420	1.21570	.13310	-.27650	-.00470	.00030	-.00310
.500	10 000	-.01750	1.29380	.14420	-.29600	-.00480	.00040	-.00270
.500	11.000	-.02170	1.36510	.15620	-.31270	-.00470	.00040	-.00200
.500	12.000	-.02300	1.42050	.16870	-.31530	-.00470	.00030	-.00170
	GRADIENT	-.00076	.10476	.00066	-.02242	-.00057	.00013	-.00021

RUN NO 312/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	-.02320	.07520	.09740	-.03810	-.00380	-.00030	-.00120
.600	-1.000	-.02190	.20250	.09110	-.05080	-.00420	-.00040	-.00150
.600	.000	-.01910	.32380	.08780	-.08230	-.00470	-.00030	-.00170
.600	1.000	-.01850	.43650	.08730	-.10400	-.00500	-.00010	-.00180
.600	2.000	-.01790	.54350	.08930	-.12850	-.00510	-.00010	-.00200
.600	3 000	-.01750	.65110	.09290	-.15760	-.00500	-.00010	-.00230
.600	4.000	-.02100	.75710	.09760	-.18620	-.00470	-.00020	-.00250
.600	5.000	-.02660	.85980	.10350	-.21040	-.00460	-.00020	-.00250
.600	6.000	-.02930	.95890	.11140	-.22980	-.00440	-.00010	-.00250
.600	7.000	-.02680	1.05370	.12140	-.24650	-.00430	-.00020	-.00260
.600	8.000	-.02030	1.14030	.13300	-.26160	-.00430	-.00020	-.00260
.600	9 000	-.01610	1.21310	.14600	-.27210	-.00440	-.00010	-.00220
.600	10.000	-.01650	1.27230	.16050	-.27520	-.00480	.00000	-.00110
.600	11.000	-.01840	1.31590	.17590	-.26730	-.00530	.00010	-.00010
.600	12.000	-.01830	1.34700	.19410	-.24960	-.00530	.00010	.00020
	GRADIENT	-.00017	.11136	.00110	-.02480	-.00011	.00003	-.00019

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DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 413

CAS K1 F20 H15.1A V9.1 MINUS ORB TC5 AT38.1

(BOM074) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
LREF = 327 8000 IN. YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
RUD-U = 000 RUD-L = 000
ELV-1B = 000 ELV-0B = 3 000
S1-2 = .000 S3-4 = .000
S5-6 = 000 1ORB = 9 700

RUN NO. 311/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.03280	.00630	.10450	-.02540	-.00190	-.00100	-.00100
.700	-1.000	-.02750	.14410	.09720	-.05970	-.00230	-.00110	-.00150
.700	.000	-.01750	.27040	.09320	-.08900	-.00260	-.00100	-.00170
.700	1.000	-.01570	.38730	.09220	-.11740	-.00270	-.00090	-.00160
700	2.000	-.02050	.49820	.09390	-.14440	-.00270	-.00070	-.00170
700	3 000	-.02220	.60940	.09790	-.17270	-.00270	-.00050	-.00200
.700	4.000	-.02090	.72030	.10400	-.20290	-.00260	-.00040	-.00240
.700	5 000	-.01750	.83160	.11170	-.23530	-.00200	-.00060	-.00280
700	6.000	-.01300	.93680	.12180	-.26010	-.00110	-.00080	-.00290
.700	7 000	-.01020	1.02660	.13490	-.28540	-.00040	-.00100	-.00240
.700	8.000	-.00920	1.09350	.15050	-.25500	-.00040	-.00120	-.00200
.700	9.000	-.00840	1.14450	.16780	-.23880	-.00050	-.00140	-.00200
700	10.000	-.00760	1.19190	.18640	-.22580	-.00030	-.00150	-.00220
.700	11.000	-.00780	1.23910	.20600	-.21500	.00000	-.00150	-.00220
.700	12.000	-.00650	1.28000	.22780	-.19600	.00010	-.00110	-.00190
	GRADIENT	.00144	.11650	.00119	-.02924	-.00003	.00010	-.00022

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F20 H15.1A V9.1 MINUS ORB TC5 AT36.1

(BGM075) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

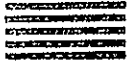
BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 316/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.01920	-.41900	.17520	.12280	-.00320	-.00030	-.00010
.500	-1.000	-.02270	-.32060	.16470	.10910	-.00240	-.00030	-.00010
.500	.000	-.02340	-.22010	.15690	.08730	-.00360	.00000	-.00040
.500	1.000	-.02010	-.11990	.15140	.05950	-.00520	.00030	-.00070
.500	2.000	-.01790	-.01930	.14760	.02610	-.00600	.00040	-.00100
.500	3.000	-.02100	.08310	.14450	-.01060	-.00620	.00030	-.00110
.500	4.000	-.02430	.18350	.14250	-.04520	-.00630	.00040	-.00110
.500	5.000	-.02290	.28050	.14200	-.07530	-.00630	.00060	-.00120
.500	6.000	-.01840	.37540	.14330	-.10260	-.00600	.00060	-.00140
.500	7.000	-.01700	.47030	.14620	-.12960	-.00530	.00040	-.00150
.500	8.000	-.02010	.56360	.15030	-.15630	-.00470	.00020	-.00170
.500	9.000	-.02260	.65060	.15520	-.18010	-.00490	.00010	-.00180
.500	10.000	-.02120	.73060	.16060	-.19960	-.00500	.00000	-.00180
.500	11.000	-.01570	.80660	.16670	-.21510	-.00500	-.00020	-.00180
.500	12.000	-.01000	.88490	.17340	-.22680	-.00520	-.00030	-.00150
GRADIENT		-.00029	.10032	-.00458	-.02959	-.00059	.00013	-.00018

RUN NO. 315/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.01700	-.46450	.17810	.14520	-.00320	-.00020	-.00010
.600	-1.000	-.01740	-.35540	.16660	.12160	-.00330	-.00040	-.00030
.600	.000	-.01860	-.24800	.15810	.09780	-.00360	-.00030	-.00040
.600	1.000	-.01860	-.14460	.15250	.07140	-.00390	-.00010	-.00050
.600	2.000	-.01490	-.04030	.14890	.03810	-.00420	.00000	-.00070
.600	3.000	-.01630	.06570	.14660	-.00180	-.00430	.00010	-.00080
.600	4.000	-.02000	.17010	.14530	-.04170	-.00430	.00010	-.00070
.600	5.000	-.02070	.26950	.14520	-.07680	-.00400	.00020	-.00070
.600	6.000	-.01830	.36680	.14670	-.10780	-.00360	.00010	-.00080
.600	7.000	-.01440	.46350	.14970	-.13560	-.00350	.00010	-.00100
.600	8.000	-.01020	.55620	.15390	-.15870	-.00390	.00010	-.00120
.600	9.000	-.00980	.64300	.15900	-.17420	-.00460	.00010	-.00120
.600	10.000	-.01270	.72890	.16490	-.18470	-.00500	.00010	-.00100
.600	11.000	-.01000	.81810	.17240	-.19380	-.00570	.00020	-.00060
.600	12.000	-.00540	.91030	.18210	-.19890	-.00670	.00030	-.00010
GRADIENT		-.00034	.10490	-.00446	-.03217	-.00015	.00008	-.00009



CAS K1 F20 H15.1A V9.1 MINUS ORB TC5 AT38 1

(BOM075) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT, XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN, YMRP = .0000 IN. YC
 BREF = 2348.0000 IN, ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 SI-2 = 45.000 S3-4 = 45.000
 S5-6 = 45 000 IORB = 9.700

RUN NO. 314/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	OCLM	DCY	DCLN	DCSL
.700	-2.000	-.00780	-.51600	.18280	.16750	-.00310	-.00030	-.00020
.700	-1.000	-.01230	-.39410	.17030	.13330	-.00320	-.00030	-.00050
.700	.000	-.01420	-.28090	.16110	.10430	-.00290	-.00040	-.00060
.700	1.000	-.01160	-.17560	.15330	.07570	-.00270	-.00040	-.00070
.700	2.000	-.01180	-.07030	.15200	.04030	-.00250	-.00030	-.00090
.700	3.000	-.01110	.03960	.15030	-.00260	-.00210	-.00030	-.00110
.700	4.000	-.01070	.15010	.14940	-.04650	-.00180	-.00040	-.00120
.700	5.000	-.01330	.25510	.14970	-.08230	-.00150	-.00040	-.00110
.700	6.000	-.01620	.35550	.15120	-.10710	-.00140	-.00030	-.00100
.700	7.000	-.01710	.45700	.15420	-.12640	-.00150	-.00020	-.00090
.700	8.000	-.01570	.56120	.15890	-.14560	-.00210	-.00010	-.00100
.700	9.000	-.01170	.66380	.16670	-.16440	-.00310	.00000	-.00120
.700	10.000	-.00840	.76180	.17760	-.17890	-.00360	.00000	-.00170
.700	11.000	-.00560	.85480	.19100	-.18490	-.00380	.00000	-.00190
.700	12.000	-.00790	.93910	.20730	-.18090	-.00370	.00010	-.00170
GRADIENT		-.00025	.10935	-.00443	-.03576	.00025	-.00001	-.00014

ORIGINAL PAGE IS OF POOR QUALITY

CAS K1 F20 H15.1A V9.1 MINUS ORB TC5 AT38.1

(BGM076) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO 319/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.77440	.33980	.12950	-.11210	.20320	-.01730	01000
.500	-10.000	5.77690	.34420	.13230	-.11040	.15970	-.01010	00750
.500	-8.000	5.78220	.34180	.13540	-.09240	.12000	-.00490	00550
.500	-6.000	5.78510	.33900	.13830	-.07730	.08210	-.00100	.00350
.500	-4.000	5.78660	.33880	.14060	-.07380	.04640	.00180	.00160
.500	-3.000	5.78560	.34070	.14140	-.07680	.03000	.00250	.00080
.500	-2.000	5.78470	.34320	.14200	-.08170	.01560	.00240	.00020
.500	-1.000	5.78370	.34430	.14240	-.08600	.00380	.00160	-.00040
.500	.000	5.78370	.34320	.14300	-.08820	-.00640	.00060	-.00100
.500	1.000	5.78420	.34160	.14360	-.08760	-.01670	-.00050	-.00150
.500	2.000	5.78470	.33970	.14380	-.08280	-.02790	-.00160	-.00200
.500	3.000	5.78420	.33770	.14340	-.07570	-.04060	-.00210	-.00240
.500	4.000	5.78370	.33550	.14260	-.07090	-.05510	-.00180	-.00310
.500	6.000	5.78370	.33710	.13990	-.07180	-.09020	.00110	-.00500
.500	8.000	5.78220	.33990	.13630	-.08160	-.13180	.00620	-.00720
.500	10.000	5.77930	.34120	.13270	-.09360	-.17550	.01220	-.00950
.500	12.000	5.77490	.33420	.13050	-.09350	-.21360	.01760	-.01190
GRADIENT		-.00026	-.00047	.00031	.00018	-.01209	-.00054	-.00056

RUN NO. 318/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.77790	.33370	.13330	-.12050	.20470	-.01750	00890
.600	-10.000	5.78120	.33730	.13510	-.11110	.16340	-.01160	00680
.600	-8.000	5.78370	.33460	.13850	-.09130	.12250	-.00580	.00480
.600	-6.000	5.78520	.33150	.14170	-.07800	.08230	-.00090	.00300
.600	-4.000	5.78660	.33110	.14400	-.07810	.04530	.00230	.00140
.600	-3.000	5.78710	.33340	.14470	-.08230	.02960	.00270	.00070
.600	-2.000	5.78710	.33680	.14530	-.08760	.01670	.00210	.00010
.600	-1.000	5.78560	.33900	.14580	-.09340	.00580	.00100	-.00040
.600	.000	5.78470	.33840	.14630	-.09710	-.00470	.00010	-.00090
.600	1.000	5.78520	.33540	.14680	-.09540	-.01610	-.00070	-.00130
.600	2.000	5.78520	.33210	.14690	-.08880	-.02830	-.00150	-.00180
.600	3.000	5.78560	.32950	.14660	-.08050	-.04130	-.00220	-.00220
.600	4.000	5.78660	.32780	.14590	-.07330	-.05590	-.00210	-.00280
.600	6.000	5.78660	.32760	.14330	-.06940	-.09120	.00070	-.00430
.600	8.000	5.78320	.33140	.14020	-.07920	-.13380	.00660	-.00640
.600	10.000	5.77830	.33340	.13710	-.09480	-.17860	.01350	-.00870
.600	12.000	5.77880	.32360	.13410	-.09670	-.21630	.01760	-.01050
GRADIENT		-.00015	-.00063	.00029	.00034	-.01216	-.00069	-.00050

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 417

CA5 K1 F20 H15.1A V9.1 MINUS ORB TC5 AT39.1

(BGM076) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = 45 000 S3-4 = 45 000
 S5-6 = 45 000 10RB = 9 700

RUN NO. 317/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78660	.32690	.13360	-.12380	.21310	-.01920	01030
.700	-10.000	5.78810	.33000	.13610	-.11000	.17200	-.01410	00820
.700	-8.000	5.78910	.32440	.14080	-.09140	.12600	-.00650	00490
.700	-6.000	5.79050	.31960	.14510	-.08090	.08330	-.00050	00220
.700	-4.000	5.79150	.31990	.14790	-.08240	.04830	.00180	00070
.700	-3.000	5.79200	.32250	.14870	-.08710	.03400	.00170	.00030
.700	-2.000	5.79150	.32550	.14930	-.09220	.02120	.00120	-.00010
.700	-1.000	5.79100	.32750	.14990	-.09540	.00960	.00040	-.00050
.700	000	5.79050	.32680	.15050	-.09490	-.00180	-.00080	-.00080
.700	1.000	5.79050	.32390	.15100	-.09100	-.01480	-.00120	-.00120
.700	2.000	5.79100	.32030	.15120	-.08610	-.02940	-.00130	-.00150
.700	3 000	5.79200	.31800	.15080	-.08150	-.04500	-.00110	-.00190
.700	4.000	5.79200	.31690	.14980	-.07570	-.06140	-.00070	-.00220
.700	6.000	5.78960	.31750	.14650	-.06770	-.09770	.00180	-.00360
.700	8 000	5.78520	.31980	.14240	-.07330	-.13870	.00720	-.00610
.700	10.000	5.78080	.32180	.13840	-.09010	-.18230	.01430	-.00940
.700	12 000	5.77930	.32130	.13570	-.10480	-.22440	.01970	-.01190
	GRADIENT	00001	-.00066	.00031	.00100	-.01336	-.00042	-.00036

CA5 K1 F20

V9.1 MINUS ORB TC5 AT38.1

(BGM077) (21 JAN 75 1

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

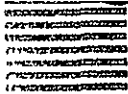
BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 45 000
 S3-4 = 45 000 S5-6 = 45.000
 TORB = 9 700

RUN NO. 323/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
300	-2.000	.01370	-.31340	.17620	-.09400	-.00640	.00010	.00030
.300	-1.000	.00930	-.22410	.16640	-.09150	-.00560	.00010	.00030
300	.000	.00510	-.13130	.15880	-.08950	-.00680	.00030	-.00020
.300	1.000	.00770	-.04150	.15330	-.09100	-.00660	.00050	-.00090
.300	2.000	.01180	.04560	.14950	-.09450	-.01010	.00070	-.00140
300	3.000	.01200	.13370	.14630	-.10130	-.01100	.00090	-.00160
.300	4.000	.01190	.22210	.14380	-.10770	-.01080	.00090	-.00160
.300	5.000	.01400	.30750	.14290	-.10840	-.01000	.00080	-.00160
.300	6.000	.01480	.39090	.14320	-.10460	-.00930	.00070	-.00170
300	7.000	.01300	.47450	.14430	-.10190	-.00890	.00060	-.00190
300	8.000	.01210	.55540	.14620	-.09970	-.00870	.00060	-.00200
.300	9.000	.01250	.63170	.14900	-.09680	-.00890	.00080	-.00190
.300	10.000	.01180	.70450	.15250	-.09330	-.00930	.00100	-.00200
.300	11.000	.01300	.77420	.15680	-.09080	-.00950	.00110	-.00220
.300	12.000	.01690	.84080	.16190	-.08910	-.00910	.00100	-.00230
	GRADIENT	.00048	.08980	-.00461	-.00263	-.00078	.00013	-.00033

RUN NO. 322/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.499	-2.000	.00990	-.35940	.17890	-.09400	-.00390	-.00040	.00030
.499	-1.000	.00980	-.26270	.16850	-.09250	-.00400	-.00030	.00020
.499	.000	.00970	-.16760	.16080	-.09110	-.00500	-.00010	-.00010
.499	1.000	.00960	-.07490	.15540	-.09250	-.00610	.00030	-.00050
.499	2.000	.00960	.01720	.15160	-.09740	-.00650	.00050	-.00090
.499	3.000	.00970	.11140	.14860	-.10530	-.00640	.00040	-.00110
.499	4.000	.00970	.20430	.14640	-.11210	-.00630	.00040	-.00110
.499	5.000	.00980	.29350	.14540	-.11300	-.00620	.00050	-.00120
.499	6.000	.01010	.38060	.14610	-.10900	-.00610	.00050	-.00150
.499	7.000	.00930	.46870	.14810	-.10520	-.00580	.00030	-.00160
.499	8.000	.01080	.55410	.15090	-.10300	-.00600	.00030	-.00160
.499	9.000	.01350	.63190	.15440	-.10030	-.00670	.00060	-.00150
.499	10.000	.01390	.70470	.15860	-.09740	-.00720	.00080	-.00140
.499	11.000	.01350	.77710	.16400	-.09570	-.00670	.00070	-.00160
.499	12.000	.01740	.85100	.17050	-.09760	-.00650	.00060	-.00170
	GRADIENT	-.00001	.09327	-.00459	-.00332	-.00038	.00014	-.00024



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 419

CA5 K1 F20

V9.1 MINUS ORB TC5 AT38.1

(BGM077) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 RUD-U = .000
 RUD-L = 000 S1-2 = 45 000
 S3-4 = 45 000 S5-6 = 45 000
 IORB = 9 700

RUN NO. 321/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	.01470	-.39470	.18170	-.08730	-.00470	-.00050	.00020
.500	-1.000	.01560	-.29190	.17130	-.09150	-.00510	-.00050	.00000
.500	.000	.01390	-.19120	.16320	-.09230	-.00560	-.00040	-.00020
.500	1.000	.01190	-.09430	.15740	-.09390	-.00650	.00000	-.00050
.500	2.000	.01610	.00220	.15340	-.09950	-.00640	.00000	-.00070
.500	3.000	.01600	.10010	.15060	-.10850	-.00660	.00010	-.00070
.500	4.000	.01390	.19600	.14900	-.11470	-.00580	.00020	-.00080
.500	5.000	.01700	.28740	.14880	-.11650	-.00550	.00030	-.00100
.500	6.000	.02060	.37700	.14990	-.11620	-.00500	.00020	-.00120
.500	7.000	.01810	.46790	.15240	-.11650	-.00490	.00010	-.00130
.500	8.000	.01850	.55580	.15600	-.11710	-.00550	.00020	-.00130
.500	9.000	.02740	.63950	.16060	-.11750	-.00660	.00040	-.00120
.500	10.000	.03090	.72250	.16630	-.11930	-.00690	.00050	-.00110
.500	11.000	.02240	.80810	.17340	-.12230	-.00740	.00060	-.00080
.500	12.000	.01850	.89650	.18250	-.12590	-.00920	.00100	-.00020
	GRADIENT	.00022	.09744	-.00457	-.00444	-.00012	.00013	-.00017

RUN NO. 320/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	.03010	-.44800	.18580	-.07680	-.00340	-.00080	.00040
.700	-1.000	.02970	-.33250	.17410	-.08930	-.00390	-.00060	-.00010
.700	.000	.02950	-.22650	.16510	-.09490	-.00420	-.00050	-.00030
.700	1.000	.02990	-.12770	.15910	-.09840	-.00380	-.00060	-.00050
.700	2.000	.03010	-.02800	.15550	-.10490	-.00370	-.00040	-.00060
.700	3.000	.03050	.07450	.15340	-.11550	-.00350	-.00030	-.00110
.700	4.000	.03070	.17550	.15230	-.12550	-.00290	-.00050	-.00130
.700	5.000	.02940	.27250	.15250	-.13200	-.00230	-.00080	-.00120
.700	6.000	.02960	.36740	.15410	-.13510	-.00200	-.00080	-.00100
.700	7.000	.03230	.46580	.15700	-.13840	-.00260	-.00040	-.00090
.700	8.000	.03260	.56840	.16140	-.14570	-.00260	-.00060	-.00090
.700	9.000	.03330	.67040	.16660	-.15570	-.00150	-.00180	-.00100
.700	10.000	.03570	.76640	.17960	-.16060	-.00150	-.00220	-.00120
.700	11.000	.03660	.85600	.19360	-.15690	-.00360	-.00130	-.00110
.700	12.000	.03320	.94100	.21040	-.15110	-.00510	-.00060	-.00060
	GRADIENT	.00004	.10222	-.00453	-.00754	.00018	.00002	-.00024

ORIGINAL PAGE IS
OF POOR QUALITY

CAS K1 F20 H15.1A

MINUS ORB TC5 AT38.1

(BGM078) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1338.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

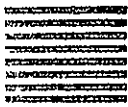
ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 326/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.76900	.34400	.13180	-.08710	.13820	.01650	.00450
.500	-10.000	5.77290	.34390	.13410	-.05880	.11120	.01470	.00310
.500	-8.000	5.77640	.34550	.13810	-.05380	.08400	.01300	.00210
.500	-6.000	5.77930	.34550	.13740	-.04880	.05710	.01120	.00100
.500	-4.000	5.78080	.34400	.13820	-.04680	.03170	.00890	-.00020
.500	-3.000	5.78030	.34460	.13850	-.04930	.01990	.00720	-.00060
.500	-2.000	5.77880	.34710	.13890	-.05590	.00930	.00540	-.00080
.500	-1.000	5.77730	.34910	.13930	-.06270	.00080	.00300	-.00110
.500	.000	5.77690	.34940	.13980	-.06630	-.00660	.00040	-.00130
.500	1.000	5.77730	.34820	.14040	-.06610	-.01430	-.00230	-.00160
.500	2.000	5.77730	.34590	.14050	-.06030	-.02300	-.00480	-.00190
.500	3.000	5.77640	.34360	.14040	-.05200	-.03270	-.00700	-.00220
.500	4.000	5.77640	.34250	.14020	-.04650	-.04380	-.00870	-.00260
.500	5.000	5.77690	.34260	.13910	-.04250	-.06920	-.01100	-.00360
.500	6.000	5.77440	.34350	.13710	-.04050	-.09720	-.01270	-.00450
.500	8.000	5.77000	.34200	.13440	-.04160	-.12480	-.01470	-.00530
.500	12.000	5.76660	.33360	.13170	-.04990	-.14810	-.01710	-.00650
	GRADIENT	-.00054	-.00020	.00030	-.00032	-.00899	-.00230	-.00028

RUN NO. 325/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.77390	.33120	.13560	-.07120	.13870	.01720	.00330
.600	-10.000	5.77730	.33850	.13740	-.05100	.11390	.01460	.00240
.600	-8.000	5.77980	.33650	.13910	-.04730	.08720	.01280	.00150
.600	-6.000	5.78120	.33360	.14030	-.04090	.05930	.01090	.00070
.600	-4.000	5.78270	.33400	.14120	-.04550	.03250	.00890	.00000
.600	-3.000	5.78270	.33660	.14150	-.05130	.02050	.00730	-.00020
.600	-2.000	5.78170	.34020	.14180	-.05830	.01040	.00520	-.00040
.600	-1.000	5.78030	.34270	.14230	-.06570	.00200	.00280	-.00060
.600	.000	5.77930	.34220	.14290	-.07060	-.00590	.00040	-.00090
.600	1.000	5.77980	.33930	.14330	-.06950	-.01480	-.00180	-.00120
.600	2.000	5.78030	.33640	.14340	-.06350	-.02430	-.00440	-.00150
.600	3.000	5.78030	.33450	.14320	-.05470	-.03410	-.00690	-.00170
.600	4.000	5.78030	.33310	.14310	-.04570	-.04540	-.00870	-.00190
.600	6.000	5.77880	.33130	.14250	-.04310	-.07130	-.01080	-.00250
.600	8.000	5.77490	.33060	.14090	-.03400	-.09840	-.01280	-.00310
.600	10.000	5.77100	.32950	.13890	-.04380	-.12470	-.01520	-.00380
.600	12.000	5.77100	.32530	.13670	-.05410	-.14830	-.01820	-.00480
	GRADIENT	-.00033	-.00035	.00028	-.00042	-.00936	-.00228	-.00025



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 421

CA5 K1 F20 H15.1A

MINUS ORB TC5 AT3B.1

(BGM078) (21 JAN 75)

REFERENCE DATA

SREF = 8800.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 9.700

RUN NO. 324/ 0 RN/L = 3 57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAN	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78030	.32600	.13720	-.07760	.14480	.01770	.00440
.700	-10.000	5.78370	.32670	.13850	-.06240	.11810	.01490	.00320
.700	-8.000	5.78610	.31870	.14060	-.04670	.09010	.01260	.00170
.700	-6.000	5.78810	.31380	.14280	-.04160	.06170	.01060	.00040
.700	-4.000	5.78910	.31670	.14460	-.04940	.03490	.00830	-.00050
.700	-3.000	5.78810	.32110	.14530	-.05720	.02350	.00660	-.00070
.700	-2.000	5.78710	.32610	.14600	-.06560	.01410	.00440	-.00080
.700	-1.000	5.78710	.32910	.14650	-.07170	.00570	.00210	-.00090
.700	.000	5.78710	.32910	.14710	-.07250	-.00310	.00000	-.00110
.700	1.000	5.78710	.32680	.14770	-.06790	-.01380	-.00210	-.00140
.700	2.000	5.78550	.32500	.14790	-.06220	-.02550	-.00410	-.00140
.700	3.000	5.78470	.32410	.14750	-.05670	-.03740	-.00610	-.00130
.700	4.000	5.78420	.32240	.14650	-.04880	-.05020	-.00760	-.00120
.700	6.000	5.78320	.31920	.14440	-.03330	-.07720	-.00990	-.00160
.700	8.000	5.77830	.32080	.14280	-.03120	-.10290	-.01270	-.00270
.700	10.000	5.77100	.32490	.14190	-.04500	-.12760	-.01610	-.00420
.700	12.000	5.76760	.32300	.14020	-.06870	-.15370	-.01950	-.00500
GRADIENT		-.00055	.00046	.00032	.00024	-.01036	-.00205	-.00011

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F20 H15.8 V9.1 MINUS ORB TC5 AT38.2

(BGM079) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 TORB = 7.850

RUN NO. 330/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.76860	.37700	.13050	-.18530	.21220	-.02410	.00880
.500	-10.000	5.77050	.38060	.13280	-.17760	.17190	-.01850	.00680
.500	-8.000	5.77340	.37620	.13690	-.15970	.13220	-.01360	.00510
.500	-6.000	5.77590	.37150	.14000	-.14000	.09400	-.00960	.00360
.500	-4.000	5.77780	.36980	.14140	-.12520	.05760	-.00600	.00200
.500	-3.000	5.77880	.37070	.14160	-.12260	.03960	-.00400	.00120
.500	-2.000	5.77980	.37180	.14190	-.12380	.02190	-.00180	.00030
.500	-1.000	5.77980	.37230	.14230	-.12600	.00540	.00020	-.00060
.500	.000	5.77830	.37140	.14290	-.12650	-.01060	.00230	-.00150
.500	1.000	5.77780	.37000	.14340	-.12490	-.02650	.00430	-.00240
.500	2.000	5.77880	.36850	.14360	-.12260	-.04230	.00610	-.00310
.500	3.000	5.77980	.36780	.14340	-.12190	-.05840	.00750	-.00370
.500	4.000	5.77980	.36830	.14270	-.12450	-.07510	.00890	-.00430
.500	6.000	5.77690	.37230	.14050	-.13860	-.11110	.01190	-.00570
.500	8.000	5.77290	.37740	.13760	-.15810	-.15040	.01610	-.00730
.500	10.000	5.77050	.37950	.13470	-.17240	-.19110	.02100	-.00910
.500	12.000	5.77290	.37380	.13250	-.16500	-.22920	.02450	-.01080
	GRADIENT	.00012	-.00039	.00025	.00014	-.01642	.00190	-.00081

RUN NO. 329/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.76760	.37070	.13350	-.18400	.21580	-.02480	.00820
.600	-10.000	5.77200	.37190	.13480	-.17000	.17560	-.02010	.00640
.600	-8.000	5.77340	.36970	.13850	-.15050	.13570	-.01510	.00470
.600	-6.000	5.77490	.36690	.14160	-.13250	.09640	-.01040	.00310
.600	-4.000	5.77730	.36560	.14320	-.12180	.05850	-.00630	.00160
.600	-3.000	5.77730	.36670	.14370	-.12110	.04060	-.00430	.00100
.600	-2.000	5.77640	.36910	.14430	-.12410	.02380	-.00230	.00040
.600	-1.000	5.77640	.37070	.14500	-.12900	.00820	-.00050	-.00030
.600	.000	5.77730	.36990	.14570	-.13210	-.00750	.00140	-.00110
.600	1.000	5.77780	.36750	.14620	-.13040	-.02390	.00320	-.00180
.600	2.000	5.77830	.36440	.14610	-.12520	-.04110	.00490	-.00230
.600	3.000	5.77780	.36230	.14570	-.12160	-.05860	.00670	-.00280
.600	4.000	5.77730	.36250	.14540	-.12360	-.07580	.00820	-.00330
.600	6.000	5.77540	.36710	.14430	-.13870	-.11180	.01170	-.00450
.600	8.000	5.77290	.37160	.14170	-.15610	-.15310	.01670	-.00630
.600	10.000	5.77050	.37210	.13830	-.16840	-.19600	.02210	-.00840
.600	12.000	5.77000	.36520	.13610	-.17080	-.23070	.02460	-.00980
	GRADIENT	.00011	-.00064	.00033	-.00020	-.01661	.00182	-.00063

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F20 H15.6 V9.1 MINUS ORB TC5 AT38.2

(864079) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUO-U = 000 RUO-L = 000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = 45.000 S3-4 = 45 000
 SS-6 = 45 000 IORB = 7 850

RUN NO. 328/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78030	.36650	.13400	-.18530	.22570	-.02760	.00950
.700	-10.000	5.78120	.36760	.13530	-.16160	.18630	-.02370	.00760
.700	-8.000	5.78470	.36200	.13980	-.14310	.14160	-.01710	.00470
.700	-6.000	5.78710	.35760	.14410	-.13400	.09860	-.01100	.00220
.700	-4.000	5.78810	.35810	.14690	-.13550	.06080	-.00650	.00070
.700	-3.000	5.78710	.36110	.14760	-.14060	.04370	-.00470	.00020
.700	-2.000	5.78560	.36510	.14810	-.14780	.02720	-.00270	-.00020
.700	-1.000	5.78560	.36760	.14880	-.15400	.01100	-.00080	-.00060
.700	0.000	5.78710	.36740	.14970	-.15690	-.00530	.00110	-.00100
.700	1.000	5.78760	.36470	.15040	-.15530	-.02230	.00280	-.00130
.700	2.000	5.78760	.36100	.15050	-.14830	-.04030	.00450	-.00150
.700	3.000	5.78710	.35800	.14990	-.13950	-.05880	.00650	-.00170
.700	4.000	5.78560	.35660	.14880	-.13130	-.07780	.00850	-.00210
.700	6.000	5.78610	.35800	.14600	-.12990	-.11710	.01280	-.00360
.700	8.000	5.78520	.36190	.14280	-.14240	-.15840	.01800	-.00600
.700	10.000	5.78320	.36470	.13980	-.16130	-.20020	.02350	-.00890
.700	12.000	5.78420	.36110	.13660	-.16880	-.23980	.02770	-.01100
GRADIENT		-.00000	-.00044	.00035	.00035	-.01717	.00186	-.00034

CA5 KI F20 H15.6 V9 I MINUS ORB TC5 AT38.2

(BGM080) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 45 000 S3-4 = 45.000
 S5-6 = 45 000 1OR8 = 7.850

RUN NO 335/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DOSL
.500	-2.000	-.03610	-.40140	.17950	.07480	-.00600	.00060	-.00050
500	-1.000	-.03010	-.30170	.16920	.05800	-.00550	.00060	-.00060
.500	.000	-.03080	-.20070	.16130	.03760	-.00660	.00090	-.00090
.500	1.000	-.03810	-.10100	.15560	.01300	-.00830	.00130	-.00120
.500	2.000	-.04500	-.00140	.15150	-.01770	-.00910	.00160	-.00150
.500	3.000	-.04850	.10130	.14830	-.05290	-.00960	.00190	-.00160
.500	4.000	-.04540	.20380	.14620	-.08750	-.01020	.00210	-.00160
.500	5.000	-.04150	.30170	.14590	-.11680	-.01050	.00220	-.00170
500	6.000	-.03750	.39640	.14740	-.14110	-.00990	.00210	-.00180
.500	7.000	-.03750	.49070	.15060	-.16510	-.00890	.00180	-.00200
.500	8.000	-.03770	.58420	.15500	-.18950	-.00860	.00180	-.00190
500	9.000	-.03540	.67190	.16000	-.21150	-.00910	.00180	-.00180
.500	10 000	-.03290	.75340	.16570	-.23220	-.00940	.00180	-.00170
.500	11.000	-.03400	.83330	.17240	-.25480	-.00940	.00170	-.00170
.500	12.000	-.03610	.91670	.18010	-.27900	-.00940	.00140	-.00140
	GRADIENT	-.00200	.10065	-.00468	-.02823	-.00076	.00026	-.00019

RUN NO 334/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DOSL
.600	-2.000	-.02250	-.44220	.18110	.09220	-.01150	.00050	-.00100
.600	-1.000	-.02300	-.33430	.17010	.06980	-.01000	.00040	-.00110
.600	.000	-.02340	-.22890	.16200	.04730	-.00650	.00070	-.00080
600	1.000	-.02350	-.12480	.15610	.02170	-.00600	.00100	-.00090
.600	2.000	-.02450	-.01990	.15210	-.01080	-.00760	.00120	-.00120
.600	3.000	-.02470	.08760	.14940	-.05070	-.00790	.00130	-.00140
600	4.000	-.02230	.19360	.14770	-.08860	-.00780	.00130	-.00140
.600	5.000	-.02100	.29350	.14740	-.11810	-.00740	.00120	-.00130
.600	6.000	-.01890	.39120	.14910	-.14360	-.00730	.00130	-.00130
.600	7.000	-.01780	.49010	.15300	-.17240	-.00740	.00130	-.00130
.600	8.000	-.01990	.58680	.15820	-.20400	-.00790	.00150	-.00130
.600	9 000	-.02480	.67850	.16430	-.23270	-.00860	.00160	-.00110
.600	10.000	-.02480	.76900	.17160	-.25930	-.00880	.00150	-.00090
.600	11.000	-.01980	.86270	.18070	-.28330	-.00940	.00130	-.00060
.600	12.000	-.01560	.95870	.19210	-.29910	-.01040	.00100	-.00020
	GRADIENT	.00011	.10528	-.00464	-.03084	.00040	.00014	-.00007

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 425

CAS K1 F20 H15.6 V9 1 MINUS ORB TCS AT38 2

(BGM080) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = 45.000 S3-4 = 45.000
 S5-6 = 45.000 IORB = 7.850

RUN NO. 331/ 0 RN/L = 3.51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.02630	-.48970	.18410	.10980	-.00520	.00050	-.00050
.700	-1.000	-.02240	-.38760	.17180	.08100	-.00590	.00050	-.00080
.700	.000	-.02000	-.25320	.16210	.05460	-.00600	.00060	-.00090
.700	1.000	-.02070	-.14560	.15570	.02390	-.00560	.00060	-.00100
.700	2.000	-.02220	-.03840	.15200	-.01160	-.00550	.00080	-.00110
.700	3.000	-.02360	.07220	.15010	-.05360	-.00580	.00100	-.00150
.700	4.000	-.02530	.18630	.14970	-.09990	-.00590	.00120	-.00170
.700	5.000	-.02370	.29450	.15070	-.14070	-.00580	.00140	-.00160
.700	6.000	-.02210	.39650	.15280	-.17260	-.00550	.00150	-.00120
.700	7.000	-.02160	.49920	.15650	-.20040	-.00560	.00150	-.00090
.700	8.000	-.02080	.60600	.16280	-.22840	-.00620	.00140	-.00090
.700	9.000	-.01820	.71140	.17210	-.25230	-.00710	.00130	-.00130
.700	10.000	-.01530	.81130	.18450	-.26890	-.00740	.00110	-.00180
.700	11.000	-.01490	.90580	.19940	-.27560	-.00690	.00080	-.00210
.700	12.000	-.01490	.99080	.21700	-.26930	-.00650	.00070	-.00200
	GRADIENT	-.00010	.11122	-.00455	-.03593	-.00004	.00013	-.00017

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(80M081) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

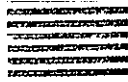
BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 340/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-2.000	-.02170	-.34660	.07810	.06170	-.02010	.00020	-.00210
.150	-1.000	-.01570	-.22650	.06750	.02570	-.01560	.00010	-.00200
.150	.000	-.01770	-.14830	.05940	.00490	-.01430	.00000	-.00200
.150	1.000	-.02660	-.08280	.05430	-.01330	-.01470	-.00010	-.00210
.150	2.000	-.02930	-.01440	.05120	-.03250	-.01610	-.00010	-.00220
.150	3.000	-.02600	.06510	.04860	-.05270	-.01660	.00000	-.00220
.150	4.000	-.02580	.14420	.04690	-.07100	-.01590	.00010	-.00220
.150	5.000	-.02540	.21800	.04650	-.08470	-.01660	.00040	-.00220
.150	6.000	-.02290	.29270	.04700	-.10130	-.01640	.00080	-.00230
.150	7.000	-.02290	.36880	.04820	-.12810	-.01900	.00080	-.00220
.150	8.000	-.02370	.44580	.05070	-.15650	-.01840	.00010	-.00210
.150	9.000	-.02090	.52160	.05510	-.17860	-.01830	-.00030	-.00170
.150	10.000	-.01910	.59700	.06210	-.19430	-.01770	.00010	-.00140
.150	11.000	-.02290	.67190	.07330	-.20880	-.01560	.00060	-.00130
.150	12.000	-.02550	.74300	.08880	-.22480	-.01490	.00100	-.00120
	GRADIENT	-.00124	.07755	-.00428	-.02024	.00017	.00002	-.00003

RUN NO. 339/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.299	-2.000	-.02430	-.36440	.07380	.06660	-.00860	.00150	-.00090
.299	-1.000	-.02350	-.27740	.06560	.04510	-.00920	.00180	-.00100
.299	.000	-.01960	-.18800	.06000	.02230	-.00880	.00170	-.00100
.299	1.000	-.01740	-.10610	.05660	.00100	-.00790	.00140	-.00090
.299	2.000	-.01710	-.02800	.05470	-.01820	-.00790	.00140	-.00090
.299	3.000	-.02080	.04920	.05340	-.03840	-.00850	.00160	-.00080
.299	4.000	-.02330	.12550	.05300	-.05890	-.00910	.00160	-.00080
.299	5.000	-.02220	.20250	.05370	-.07820	-.00860	.00150	-.00080
.299	6.000	-.01950	.28220	.05590	-.09650	-.00760	.00150	-.00090
.299	7.000	-.01850	.36350	.05950	-.11560	-.00670	.00150	-.00100
.299	8.000	-.02040	.44230	.06390	-.13630	-.00610	.00130	-.00100
.299	9.000	-.02340	.51890	.06980	-.15860	-.00640	.00130	-.00040
.299	10.000	-.02600	.59740	.07810	-.18000	-.00810	.00200	-.00020
.299	11.000	-.02680	.67660	.09020	-.19670	-.01010	.00300	-.00040
.299	12.000	-.02530	.75060	.10740	-.21000	-.01070	.00340	-.00040
	GRADIENT	.00015	.08062	-.00268	-.02065	.00002	-.00002	.00003



CAS K1 F0 H15.6 V9 I MINUS ORB TC5 AT38.2

(BGM081) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 1CRB = 7 850

RUN NO 336/ 0 RN/L = 2 88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	-.02160	-.40250	.07590	.07200	-.00950	.00170	-.00030
.500	-1.000	-.02290	-.31010	.06670	.04630	-.00860	.00170	-.00030
.500	.000	-.02120	-.21610	.06030	.02230	-.00790	.00170	-.00030
.500	1.000	-.01620	-.12960	.05680	.00100	-.00770	.00170	-.00030
.500	2.000	-.01370	-.04540	.05480	-.02030	-.00750	.00170	-.00040
.500	3.000	-.01290	.03830	.05370	-.04180	-.00750	.00170	-.00040
.500	4 000	-.01090	.12060	.05360	-.06240	-.00780	.00170	-.00040
.500	5.000	-.00850	.20140	.05490	-.08200	-.00760	.00160	-.00040
.500	6.000	-.01090	.28260	.05780	-.10200	-.00670	.00140	-.00050
.500	7.000	-.01700	.36530	.06200	-.12150	-.00580	.00110	-.00030
.500	8.000	-.01700	.44840	.06730	-.13980	-.00570	.00100	-.00000
.500	9.000	-.01310	.53450	.07590	-.16100	-.00600	.00110	-.00010
.500	10.000	-.01250	.62110	.08880	-.18220	-.00650	.00140	-.00020
.500	11.000	-.01210	.70240	.10600	-.19770	-.00730	.00190	.00010
.500	12.000	-.00890	.77700	.12730	-.21210	-.00810	.00240	.00020
GRADIENT		.00213	.08605	-.00279	-.02185	.00022	-.00001	-.00002

RUN NO. 337/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	-.01110	-.42800	.07730	.08130	-.00840	.00180	-.00020
.600	-1.000	-.01460	-.33500	.06740	.05640	-.00780	.00180	-.00040
.600	.000	-.01590	-.24000	.06050	.03220	-.00800	.00190	-.00030
.600	1 000	-.01260	-.15080	.05630	.00970	-.00810	.00210	-.00030
.600	2.000	-.00830	-.06370	.05420	-.01440	-.00790	.00220	-.00030
.600	3.000	-.01280	.02330	.05330	-.03840	-.00730	.00210	-.00030
.600	4.000	-.01480	.10920	.05350	-.06170	-.00650	.00180	-.00020
.600	5.000	-.01710	.19320	.05520	-.08360	-.00570	.00150	-.00020
.600	6 000	-.02070	.27800	.05850	-.10250	-.00480	.00120	-.00020
.600	7.000	-.02100	.36540	.06310	-.12120	-.00390	.00080	-.00020
.600	8.000	-.01960	.45430	.06970	-.14490	-.00330	.00060	.00080
.600	9 000	-.01980	.54550	.08020	-.17330	-.00390	.00080	.00070
.600	10.000	-.01530	.63560	.09560	-.19870	-.00550	.00120	.00050
.600	11.000	-.01010	.71830	.11570	-.21870	-.00620	.00160	.00070
.600	12 000	-.01060	.79210	.13880	-.23980	-.00600	.00160	.00100
GRADIENT		-.00035	.08865	-.00295	-.02358	.00033	-.00002	.00001

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(80M081) (21 JAN 75)

REFERENCE DATA

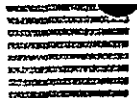
SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 TORB = 7 850

RUN NO 336/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.00650	-.46510	.08110	.09380	-.00810	.00160	-.00020
.700	-1.000	-.00940	-.37050	.06950	.07060	-.00780	.00160	-.00060
.700	.000	-.01460	-.27250	.06150	.04590	-.00740	.00170	-.00030
.700	1.000	-.01640	-.17850	.05670	.02130	-.00700	.00180	-.00010
.700	2.000	-.01410	-.08590	.05410	-.00900	-.00670	.00180	.00000
.700	3.000	-.01160	.00600	.05330	-.03890	-.00620	.00180	.00000
.700	4.000	-.01500	.09810	.05410	-.06830	-.00560	.00170	.00010
.700	5.000	-.01410	.18470	.05640	-.09530	-.00470	.00140	.00000
.700	6.000	-.00840	.27350	.06020	-.11940	-.00400	.00130	.00010
.700	7.000	-.00630	.35770	.06540	-.14410	-.00340	.00110	.00040
.700	8.000	-.00850	.46690	.07580	-.17200	-.00310	.00090	.00020
.700	9.000	-.00740	.56380	.08930	-.20000	-.00340	.00080	-.00020
.700	10.000	-.00590	.65410	.10670	-.22230	-.00450	.00100	.00060
.700	11.000	-.00270	.73270	.12760	-.23690	-.00440	.00070	.00140
.700	12.000	.00110	.80080	.15090	-.25030	-.00340	.00030	.00180
	GRADIENT	-.00083	.09297	-.00330	-.02740	.00046	-.00001	.00007



CAS K1 F0 H15 6 V9 1 MINUS ORB TCS AT38.2

(BGM082) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ FT. XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 2 000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-8 = 20.000 1ORB = 7.850

RUN NO. 344/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	1.92960	-.01410	.03970	-.06910	.20540	-.02080	.01120
.300	-10.000	1.93470	-.02200	.04320	-.06340	.16980	-.01640	.00950
.300	-8.000	1.93880	-.02990	.04690	-.04960	.13160	-.01150	.00770
.300	-6.000	1.94240	-.03580	.04980	-.03230	.09380	-.00730	.00600
.300	-4.000	1.94560	-.03900	.05120	-.01740	.05810	-.00410	.00410
.300	-3.000	1.94680	-.03960	.05160	-.01350	.04140	-.00260	.00310
.300	-2.000	1.94750	-.03980	.05200	-.01310	.02530	-.00120	.00200
.300	-1.000	1.94780	-.03950	.05240	-.01500	.00940	.00030	.00070
.300	.000	1.94730	-.03900	.05270	-.01650	-.00690	.00170	-.00060
.300	1.000	1.94640	-.03850	.05270	-.01650	-.02320	.00310	-.00190
.300	2.000	1.94600	-.03750	.05250	-.01790	-.03960	.00440	-.00290
.300	3.000	1.94570	-.03600	.05230	-.02150	-.05630	.00550	-.00380
.300	4.000	1.94510	-.03430	.05170	-.02560	-.07340	.00670	-.00490
.300	6.000	1.94210	-.02750	.04970	-.03770	-.10940	.00980	-.00690
.300	8.000	1.93710	-.01470	.04660	-.05700	-.14770	.01360	-.00780
.300	10.000	1.93080	-.00010	.04310	-.07600	-.18670	.01780	-.00810
.300	12.000	1.92580	.00530	.04030	-.07970	-.22400	.02150	-.00930
GRADIENT		-.00016	.00059	.00009	-.00113	-.01636	.00136	-.00115

RUN NO. 343/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	1.93100	-.03630	.04140	-.06450	.21130	-.02130	.01130
.500	-10.000	1.93400	-.04070	.04370	-.06360	.17370	-.01660	.00940
.500	-8.000	1.93880	-.04650	.04750	-.05230	.13580	-.01180	.00770
.500	-6.000	1.94290	-.05140	.05080	-.03730	.09820	-.00780	.00590
.500	-4.000	1.94470	-.05410	.05270	-.02390	.06130	-.00460	.00400
.500	-3.000	1.94520	-.05460	.05300	-.01960	.04330	-.00290	.00300
.500	-2.000	1.94570	-.05450	.05310	-.01770	.02560	-.00110	.00190
.500	-1.000	1.94600	-.05410	.05310	-.01780	.00850	.00050	.00070
.500	.000	1.94590	-.05420	.05340	-.01910	-.00820	.00200	-.00040
.500	1.000	1.94590	-.05500	.05360	-.02070	-.02500	.00340	-.00160
.500	2.000	1.94600	-.05590	.05350	-.02140	-.04200	.00470	-.00260
.500	3.000	1.94570	-.05660	.05310	-.02350	-.05950	.00610	-.00360
.500	4.000	1.94430	-.05330	.05260	-.02940	-.07790	.00750	-.00450
.500	6.000	1.94070	-.04550	.05060	-.04680	-.11580	.01070	-.00630
.500	8.000	1.93800	-.03860	.04710	-.06090	-.15370	.01440	-.00790
.500	10.000	1.93530	-.03400	.04320	-.06810	-.19160	.01860	-.00950
.500	12.000	1.92910	-.03020	.04130	-.06930	-.23030	.02220	-.01070
GRADIENT		.00001	-.00006	.00002	-.00073	-.01723	.00150	-.00108

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OF POOR QUALITY.

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(80M082) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 342/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCC	DCLM	DCY	DCLN	DOSL
.600	-12.000	1.92300	-.05840	.04240	-.05090	.21560	-.02100	.01090
.600	-10.000	1.92610	-.06290	.04390	-.05340	.17730	-.01680	.00930
.600	-8.000	1.92930	-.06620	.04730	-.04650	.13930	-.01180	.00730
.600	-6.000	1.93210	-.07040	.05040	-.03380	.10180	-.00780	.00550
.600	-4.000	1.93440	-.07500	.05240	-.02010	.06490	-.00490	.00390
.600	-3.000	1.93600	-.07640	.05270	-.01520	.04660	-.00340	.00310
.600	-2.000	1.93760	-.07620	.05280	-.01270	.02840	-.00160	.00200
.600	-1.000	1.93770	-.07520	.05280	-.01210	.01070	.00020	.00090
.600	.000	1.93660	-.07450	.05300	-.01210	-.00680	.00180	-.00020
.600	1.000	1.93550	-.07470	.05320	-.01280	-.02450	.00330	-.00130
.600	2.000	1.93530	-.07570	.05330	-.01450	-.04230	.00460	-.00230
.600	3.000	1.93510	-.07560	.05310	-.01850	-.06040	.00590	-.00330
.600	4.000	1.93420	-.07260	.05250	-.02680	-.07890	.00740	-.00430
.600	6.000	1.93100	-.06370	.05030	-.04740	-.11740	.01100	-.00620
.600	8.000	1.92870	-.05840	.04720	-.05960	-.15690	.01520	-.00810
.600	10.000	1.92690	-.05720	.04410	-.06020	-.19600	.01950	-.00970
.600	12.000	1.92430	-.05410	.04240	-.05600	-.23210	.02220	-.01070
	GRADIENT	-.00017	.00022	.00005	-.00068	-.01788	.00154	-.00105

RUN NO. 341/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCC	DCLM	DCY	DCLN	DOSL
.700	-12.000	1.92520	-.08590	.04440	-.04830	.21960	-.02020	.00990
.700	-10.000	1.92430	-.08940	.04540	-.04510	.18320	-.01760	.00890
.700	-8.000	1.92580	-.09240	.04810	-.03650	.14370	-.01240	.00660
.700	-6.000	1.92880	-.09420	.05130	-.02310	.10480	-.00770	.00470
.700	-4.000	1.93210	-.09430	.05380	-.00900	.06760	-.00480	.00340
.700	-3.000	1.93350	-.09380	.05420	-.00420	.04930	-.00350	.00280
.700	-2.000	1.93400	-.09350	.05410	-.00220	.03060	-.00190	.00200
.700	-1.000	1.93300	-.09400	.05360	-.00270	.01200	-.00030	.00100
.700	.000	1.93200	-.09470	.05350	-.00380	-.00620	.00130	.00010
.700	1.000	1.93230	-.09520	.05390	-.00390	-.02450	.00280	-.00080
.700	2.000	1.93350	-.09520	.05450	-.00390	-.04280	.00410	-.00160
.700	3.000	1.93430	-.09520	.05450	-.00750	-.06150	.00540	-.00240
.700	4.000	1.93380	-.09410	.05380	-.01580	-.08090	.00700	-.00330
.700	6.000	1.93040	-.08770	.05120	-.03740	-.12100	.01080	-.00540
.700	8.000	1.92650	-.07910	.04860	-.05290	-.16160	.01520	-.00750
.700	10.000	1.92330	-.07220	.04670	-.05670	-.20110	.01940	-.00910
.700	12.000	1.92020	-.07090	.04610	-.04980	-.23740	.02200	-.00980
	GRADIENT	.00013	-.00013	.00003	-.00069	-.01849	.00148	-.00086

CA5 K1 F0 H15.8 V9.1 MINUS ORB TC5 AT38.2

(BGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-8 = 20.000 10RB = 7 850

RUN NO. 350/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-12.000	5.81400	.24920	.03080	-.07600	.19880	-.01700	.01650
.150	-10.000	5.81640	.24470	.03300	-.06250	.16170	-.01420	.01420
.150	-8.000	5.82080	.23250	.03490	-.04070	.12190	-.01130	.01150
.150	-6.000	5.82420	.22330	.03580	-.01460	.08330	-.00840	.00850
.150	-4.000	5.82570	.22130	.03570	.00820	.04850	-.00550	.00520
.150	-3.000	5.82570	.22310	.03560	.01350	.03270	-.00390	.00350
.150	-2.000	5.82470	.22580	.03550	.01110	.01760	-.00210	.00190
.150	-1.000	5.82420	.22750	.03540	.00250	.00420	-.00040	.00050
.150	.000	5.82370	.22830	.03580	-.00540	-.00820	.00150	-.00110
.150	1.000	5.82370	.22840	.03590	-.00830	-.02660	.00370	-.00300
.150	2.000	5.82420	.22960	.03600	-.00740	-.04550	.00580	-.00520
.150	3.000	5.82370	.22920	.03560	-.00780	-.06420	.00720	-.00700
.150	4.000	5.82230	.23110	.03530	-.01260	-.08110	.00810	-.00810
.150	6.000	5.81690	.24250	.03480	-.02980	-.11240	.00940	-.00930
.150	8.000	5.81300	.25820	.03350	-.04820	-.14590	.01170	-.01130
.150	10.000	5.81100	.27070	.03110	-.06380	-.18270	.01480	-.01430
.150	12.000	5.80910	.28740	.02750	-.07380	-.21980	.01680	-.01690
GRADIENT		-.00035	.00112	-.00000	-.00325	-.01611	.00179	-.00171

RUN NO. 349/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.80760	.28590	.04370	-.14750	.20400	-.01940	.01570
.300	-10.000	5.80860	.28300	.04640	-.13880	.16700	-.01590	.01310
.300	-8.000	5.81400	.26910	.04810	-.11900	.12950	-.01250	.01170
.300	-6.000	5.81880	.25930	.04950	-.09870	.09170	-.00900	.00970
.300	-4.000	5.82080	.25840	.05050	-.08400	.05460	-.00530	.00660
.300	-3.000	5.82130	.26020	.05110	-.08030	.03740	-.00350	.00480
.300	-2.000	5.82130	.26130	.05140	-.07880	.02150	-.00180	.00320
.300	-1.000	5.82080	.26100	.05150	-.07800	.00600	-.00010	.00150
.300	.000	5.82080	.26070	.05140	-.07810	-.01010	.00180	-.00040
.300	1.000	5.82130	.26210	.05140	-.08010	-.02700	.00370	-.00220
.300	2.000	5.82130	.26390	.05150	-.08270	-.04460	.00570	-.00400
.300	3.000	5.82130	.26560	.05150	-.08600	-.06250	.00760	-.00560
.300	4.000	5.82030	.26800	.05160	-.09220	-.07980	.00910	-.00690
.300	6.000	5.81540	.27680	.05130	-.11140	-.11430	.01150	-.00890
.300	8.000	5.81050	.28880	.04920	-.13170	-.15000	.01410	-.01070
.300	10.000	5.80710	.29790	.04580	-.14600	-.18650	.01660	-.01270
.300	12.000	5.80760	.29190	.04350	-.14610	-.22190	.01870	-.01520
GRADIENT		-.00002	.00102	.00009	-.00100	-.01671	.00183	-.00172

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(BGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

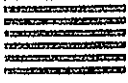
ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 348/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.80520	.27440	.04540	-.14490	.21250	-.02060	.01580
.500	-10.000	5.80520	.27570	.04730	-.13970	.17270	-.01630	.01300
.500	-8.000	5.81050	.26630	.04990	-.12660	.13620	-.01340	.01160
.500	-6.000	5.81590	.25810	.05220	-.10980	.09820	-.00980	.00960
.500	-4.000	5.81880	.25660	.05360	-.09540	.05960	-.00540	.00650
.500	-3.000	5.81840	.25850	.05400	-.09220	.04190	-.00350	.00490
.500	-2.000	5.81840	.26000	.05430	-.09110	.02570	-.00190	.00320
.500	-1.000	5.81880	.26010	.05450	-.09040	.00980	-.00030	.00150
.500	.000	5.81930	.25970	.05460	-.09020	-.00690	.00150	-.00030
.500	1.000	5.81980	.25910	.05470	-.09090	-.02460	.00330	-.00200
.500	2.000	5.81880	.25870	.05460	-.09290	-.04270	.00520	-.00370
.500	3.000	5.81740	.25930	.05450	-.09720	-.06080	.00700	-.00530
.500	4.000	5.81590	.26120	.05410	-.10340	-.07910	.00870	-.00660
.500	6.000	5.81250	.26770	.05260	-.12030	-.11670	.01200	-.00880
.500	8.000	5.80860	.27600	.05030	-.13860	-.15510	.01510	-.01070
.500	10.000	5.80620	.28100	.04740	-.14880	-.19300	.01770	-.01250
.500	12.000	5.80470	.27500	.04450	-.13700	-.22780	.01960	-.01500
GRADIENT		-.00021	.00029	.00007	-.00085	-.01723	.00176	-.00167

RUN NO. 347/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.80080	.26630	.04610	-.13470	.21770	-.02090	.01620
.600	-10.000	5.80420	.26610	.04670	-.13260	.17800	-.01700	.01360
.600	-8.000	5.80910	.25870	.04940	-.12130	.14020	-.01340	.01180
.600	-6.000	5.81250	.25340	.05220	-.10740	.10210	-.00980	.00950
.600	-4.000	5.81400	.25310	.05420	-.09660	.06360	-.00590	.00650
.600	-3.000	5.81400	.25430	.05480	-.09450	.04550	-.00390	.00490
.600	-2.000	5.81400	.25540	.05530	-.09500	.02870	-.00220	.00330
.600	-1.000	5.81450	.25560	.05540	-.09570	.01210	-.00060	.00170
.600	.000	5.81490	.25520	.05550	-.09760	-.00500	.00100	.00000
.600	1.000	5.81450	.25540	.05560	-.09570	-.02260	.00260	-.00170
.600	2.000	5.81450	.25500	.05550	-.09430	-.04110	.00430	-.00340
.600	3.000	5.81400	.25450	.05520	-.09410	-.06050	.00640	-.00490
.600	4.000	5.81350	.25560	.05480	-.10000	-.08000	.00830	-.00630
.600	6.000	5.81050	.26170	.05320	-.12180	-.11850	.01160	-.00870
.600	8.000	5.80860	.26840	.05110	-.14060	-.15690	.01490	-.01090
.600	10.000	5.80660	.27160	.04870	-.14750	-.19510	.01810	-.01300
.600	12.000	5.80420	.26540	.04680	-.13790	-.23300	.02090	-.01490
GRADIENT		-.00002	.00016	.00007	-.00018	-.01778	.00173	-.00162



DATE 20 JUN 75

TABLATED SOURCE DATA - CAS

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CAS KI FO H15.6 V9.1 MINUS ORB TC5 AT38 2

(BGM083) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 346/ 0 RN/L = 3 58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.80420	.25210	.04740	-.11960	.22370	-.02050	.01480
.700	-10.000	5.80370	.25310	.04720	-.11800	.18510	-.01770	.01340
.700	-8.000	5.80810	.24690	.04990	-.11170	.14310	-.01290	.01120
.700	-6.000	5.81150	.24190	.05330	-.10600	.10290	-.00870	.00870
.700	-4.000	5.81150	.24150	.05600	-.10370	.06620	-.00560	.00610
.700	-3.000	5.81150	.24310	.05660	-.10500	.04820	-.00400	.00470
.700	-2.000	5.81200	.24510	.05670	-.10810	.03010	-.00220	.00310
.700	-1.000	5.81250	.24640	.05670	-.11110	.01240	-.00050	.00150
.700	.000	5.81150	.24650	.05690	-.11150	-.00480	.00090	-.00010
.700	1.000	5.81050	.24550	.05710	-.10920	-.02230	.00220	-.00160
.700	2.000	5.81050	.24390	.05710	-.10580	-.04100	.00370	-.00310
.700	3.000	5.81150	.24250	.05700	-.10390	-.06080	.00570	-.00440
.700	4.000	5.81150	.24310	.05650	-.10620	-.08020	.00750	-.00560
.700	6.000	5.81010	.24850	.05470	-.11990	-.11850	.01080	-.00790
.700	8.000	5.80570	.25450	.05230	-.13410	-.15880	.01460	-.01030
.700	10.000	5.80130	.25750	.04990	-.14050	-.20030	.01860	-.01270
.700	12.000	5.80030	.25360	.04840	-.13170	-.23960	.02120	-.01400
GRADIENT		-.00008	.00002	.00007	-.00000	-.01816	.00160	-.00149

ORIGINAL PAGE IS
OF POOR QUALITY.

CA5 K1 F0 H15.6 VS.1 MINUS ORB TC5 AT38.2

(BGM084) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 1ORB = 7.650

RUN NO 354/ 0 RN/L = 1.96 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.02200	-.40140	.07330	.20650	-.00530	.00130	-.00060
.300	-1.000	-.02130	-.31590	.06450	.18360	-.00600	.00170	-.00080
.300	.000	-.02250	-.22780	.05830	.16110	-.00570	.00160	-.00090
.300	1.000	-.02410	-.14450	.05440	.13990	-.00520	.00130	-.00080
.300	2.000	-.02510	-.06440	.05190	.11830	-.00540	.00120	-.00070
.300	3.000	-.02310	.01410	.05010	.09580	-.00580	.00130	-.00070
.300	4.000	-.02110	.09200	.04900	.07420	-.00630	.00130	-.00070
.300	5.000	-.02020	.17000	.04940	.05410	-.00620	.00130	-.00080
.300	6.000	-.01870	.24970	.05120	.03420	-.00550	.00140	-.00080
.300	7.000	-.01630	.33070	.05410	.01360	-.00440	.00140	-.00090
.300	8.000	-.01600	.40990	.05800	-.00820	-.00360	.00120	-.00090
.300	9.000	-.01640	.48860	.06330	-.03160	-.00390	.00120	-.00040
.300	10.000	-.01800	.56830	.07090	-.05330	-.00610	.00190	.00010
.300	11.000	-.02160	.64700	.08250	-.07050	-.00840	.00280	.00030
.300	12.000	-.02330	.72050	.09920	-.08520	-.00880	.00320	.00020
GRADIENT		.00013	.08149	-.00324	-.02180	-.00010	-.00004	-.00000

RUN NO 353/ 0 RN/L = 2.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.00620	-.44240	.07580	.21190	-.00630	.00130	-.00020
.500	-1.000	-.01430	-.35100	.06610	.18690	-.00580	.00160	-.00020
.500	.000	-.01650	-.25790	.05930	.16350	-.00550	.00170	-.00020
.500	1.000	-.00890	-.17090	.05500	.14260	-.00520	.00150	-.00030
.500	2.000	-.00930	-.08600	.05260	.12070	-.00520	.00160	-.00040
.500	3.000	-.01500	-.00230	.05110	.09650	-.00530	.00160	-.00030
.500	4.000	-.01750	.08040	.05050	.07250	-.00530	.00150	-.00030
.500	5.000	-.01750	.16220	.05120	.04970	-.00470	.00130	-.00030
.500	6.000	-.01710	.24450	.05360	.02790	-.00410	.00120	-.00040
.500	7.000	-.01520	.32750	.05710	.00710	-.00370	.00120	-.00020
.500	8.000	-.01320	.41130	.06180	-.01300	-.00340	.00110	.00010
.500	9.000	-.01440	.49710	.06960	-.03350	-.00310	.00100	-.00010
.500	10.000	-.01740	.58400	.08200	-.05490	-.00330	.00110	-.00040
.500	11.000	-.01960	.66740	.09900	-.07400	-.00440	.00170	-.00030
.500	12.000	-.02040	.74410	.11980	-.09250	-.00570	.00240	-.00010
GRADIENT		-.00108	.08620	-.00330	-.02298	.00017	-.00001	-.00002

CAS K1 F0 H15 6 V9.1 MINUS ORB TC5 AT38.2

(BOM094) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO 352/ 0 RN/L = 3 24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	-.01420	-.46580	.07780	.21990	-.00790	.00170	-.00020
.600	-1 000	-.01670	-.37310	.06700	.19690	-.00670	.00150	-.00050
.600	.000	-.01850	-.27830	.05940	.17170	-.00670	.00180	-.00050
.600	1 000	-.01950	-.18940	.05490	.14810	-.00730	.00200	-.00060
.600	2.000	-.02230	-.10030	.05190	.12400	-.00730	.00210	-.00060
.600	3 000	-.01920	-.01200	.05060	.09670	-.00680	.00190	-.00050
.600	4 000	-.01170	.07330	.05060	.06870	-.00610	.00170	-.00040
.600	5 000	-.01230	.15730	.05180	.04480	-.00510	.00140	-.00040
.600	6 000	-.01650	.24340	.05430	.02430	-.00410	.00110	-.00040
.600	7.000	-.01760	.33230	.05840	.00250	-.00310	.00080	.00010
.600	8.000	-.01700	.42260	.06490	-.02340	-.00250	.00060	.00040
.600	9.000	-.01480	.51400	.07520	-.05220	-.00330	.00070	.00030
.600	10 000	-.00950	.60370	.09000	-.07910	-.00500	.00110	.00020
.600	11 000	-.00450	.68710	.10940	-.10330	-.00580	.00140	.00030
.600	12 000	-.00460	.76270	.13220	-.12870	-.00520	.00140	.00050
GRADIENT		.00040	.08907	-.00349	-.02519	.00027	-.00000	-.00001

RUN NO 351/ 0 RN/L = 3 84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.01210	-.49910	.08170	.22170	-.00730	.00130	-.00010
.700	-1.000	-.00980	-.40520	.06900	.20190	-.00730	.00140	-.00050
.700	.000	-.00890	-.30780	.06020	.17960	-.00690	.00150	-.00030
.700	1.000	-.01400	-.21410	.05490	.15540	-.00640	.00160	-.00030
.700	2.000	-.01590	-.12130	.05210	.12410	-.00620	.00170	-.00030
.700	3.000	-.00950	-.02870	.05100	.08840	-.00590	.00160	-.00020
.700	4.000	-.00720	.06280	.05130	.05380	-.00510	.00140	.00000
.700	5.000	-.01050	.15240	.05310	.02290	-.00410	.00120	.00000
.700	6.000	-.00850	.24280	.05630	-.00370	-.00320	.00100	.00000
.700	7.000	-.00470	.33870	.06200	-.03060	-.00240	.00080	.00030
.700	8.000	-.00840	.43910	.07110	-.06060	-.00210	.00060	.00020
.700	9.000	-.01440	.53670	.08430	-.09110	-.00290	.00050	.00000
.700	10.000	-.01230	.62630	.10150	-.11470	-.00390	.00070	.00060
.700	11.000	-.00680	.70450	.12210	-.13070	-.00390	.00060	.00100
.700	12 000	-.00360	.77330	.14500	-.14640	-.00320	.00040	.00110
GRADIENT		.00024	.09321	-.00380	-.02901	.00044	-.00000	.00004

CA5 K1 F0 H15 6 V9.1 MINUS ORB TC5 AT38.2

(BGM085) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 10 000 ELV-0B = 13 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 358/ 0 RN/L = 1 94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.02250	-.32480	.07430	-.08270	-.00630	.00180	-.00030
.300	-1.000	-.02290	-.24070	.06650	-.10240	-.00670	.00210	-.00040
.300	.000	-.02400	-.15320	.06130	-.12310	-.00670	.00200	-.00040
.300	1.000	-.02550	-.06970	.05840	-.14230	-.00660	.00190	-.00040
.300	2.000	-.02560	.00940	.05710	-.16040	-.00650	.00190	-.00030
.300	3.000	-.02540	.08710	.05620	-.17830	-.00680	.00190	-.00010
.300	4.000	-.02800	.16260	.05600	-.19400	-.00700	.00200	-.00010
.300	5.000	-.02790	.23850	.05700	-.20850	-.00620	.00180	-.00020
.300	6.000	-.02460	.31700	.05960	-.22450	-.00570	.00170	-.00030
.300	7.000	-.02370	.39660	.06340	-.24270	-.00520	.00170	-.00050
.300	8.000	-.02460	.47500	.06840	-.26190	-.00460	.00160	-.00050
.300	9.000	-.02200	.55230	.07500	-.28230	-.00510	.00160	-.00010
.300	10.000	-.02030	.63180	.08320	-.30360	-.00730	.00240	.00040
.300	11.000	-.02250	.71000	.09530	-.32000	-.00940	.00340	.00080
.300	12.000	-.02550	.78220	.11300	-.33010	-.00940	.00370	.00090
GRADIENT		-.00080	.08047	-.00226	-.01812	-.00001	-.00001	.00004

RUN NO. 357/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.02450	-.36720	.07700	-.07190	-.00750	.00180	.00020
.500	-1.000	-.02040	-.27640	.06840	-.09610	-.00710	.00210	.00000
.500	.000	-.01810	-.18370	.06260	-.11790	-.00680	.00210	.00010
.500	1.000	-.01760	-.09740	.05930	-.13660	-.00650	.00210	.00020
.500	2.000	-.02270	-.01420	.05780	-.15510	-.00620	.00210	.00010
.500	3.000	-.02250	.06830	.05730	-.17320	-.00640	.00210	.00000
.500	4.000	-.01820	.14950	.05770	-.18990	-.00670	.00210	.00000
.500	5.000	-.01760	.22970	.05920	-.20590	-.00630	.00190	.00000
.500	6.000	-.01870	.31000	.06230	-.22190	-.00540	.00170	-.00010
.500	7.000	-.01720	.39200	.06680	-.23810	-.00470	.00150	.00000
.500	8.000	-.01400	.47490	.07250	-.25510	-.00460	.00150	.00030
.500	9.000	-.01400	.56020	.08120	-.27500	-.00480	.00150	.00010
.500	10.000	-.01360	.64630	.09430	-.29420	-.00500	.00170	-.00040
.500	11.000	-.01020	.72770	.11160	-.30770	-.00590	.00230	-.00010
.500	12.000	-.01070	.80260	.13300	-.31910	-.00700	.00290	.00040
GRADIENT		.00049	.08508	-.00233	-.01895	.00014	.00001	-.00002

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(BGM085) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 10 000 ELV-0B = 13 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 358/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.600	-2 000	-.01640	-.39170	.07870	-.05960	-.00890	.00220	.00000
.600	-1 000	-.01690	-.29940	.06930	-.08260	-.00790	.00210	-.00020
.600	.000	-.01750	-.20560	.06280	-.10490	-.00790	.00220	-.00010
.600	1.000	-.01720	-.11800	.05930	-.12640	-.00810	.00240	-.00010
.600	2.000	-.01110	-.03060	.05740	-.14680	-.00810	.00250	-.00020
.600	3.000	-.00900	.05590	.05690	-.16630	-.00750	.00240	-.00010
.600	4.000	-.01570	.13970	.05760	-.18460	-.00690	.00220	-.00010
.600	5.000	-.02110	.22200	.05950	-.20090	-.00610	.00190	-.00010
.600	6.000	-.02050	.30560	.06290	-.21590	-.00490	.00150	-.00010
.600	7.000	-.01990	.39280	.06790	-.23300	-.00380	.00120	.00030
.600	8.000	-.01700	.48190	.07500	-.25380	-.00380	.00110	.00070
.600	9 000	-.01500	.57180	.08610	-.27660	-.00460	.00120	.00050
.600	10 000	-.01470	.66030	.10170	-.29720	-.00590	.00150	.00030
.600	11.000	-.01340	.74290	.12150	-.31430	-.00680	.00190	.00060
.600	12.000	-.00960	.81680	.14450	-.33220	-.00670	.00210	.00090
	GRADIENT	.00005	.08766	-.00253	-.02028	.00031	-.00001	-.00000

RUN NO. 355/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.700	-2.000	-.01910	-.42940	.08190	-.03740	-.00880	.00210	.00010
.700	-1.000	-.02400	-.33510	.07110	-.06130	-.00840	.00200	-.00020
.700	.000	-.02720	-.23840	.06360	-.08550	-.00800	.00200	.00000
.700	1.000	-.02310	-.14580	.05920	-.10790	-.00760	.00210	.00020
.700	2.000	-.01910	-.05430	.05710	-.13170	-.00730	.00220	.00020
.700	3 000	-.01790	.03650	.05660	-.15700	-.00690	.00220	.00020
.700	4.000	-.01680	.12540	.05760	-.18170	-.00640	.00210	.00020
.700	5.000	-.02400	.21150	.06020	-.20310	-.00560	.00180	.00020
.700	6.000	-.02900	.29970	.06410	-.22240	-.00460	.00170	.00030
.700	7.000	-.02690	.39410	.07030	-.24300	-.00380	.00150	.00050
.700	8.000	-.02230	.49180	.08020	-.26680	-.00360	.00130	.00030
.700	9.000	-.02160	.58830	.09410	-.29260	-.00440	.00120	.00020
.700	10.000	-.02340	.67740	.11180	-.31340	-.00530	.00130	.00060
.700	11.000	-.02020	.75590	.13270	-.32560	-.00530	.00130	.00120
.700	12 000	-.01100	.82280	.15620	-.33560	-.00450	.00100	.00140
	GRADIENT	.00028	.09173	-.00289	-.02381	.00043	-.00001	.00004

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38 2

(BGM086) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

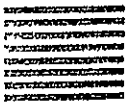
ALPHA1 = 6 000 STAB = 1 000
 RUD-U = 10 000 RUD-L = 10 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 362/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.79590	.30920	.04820	-.15910	.23880	-.03630	.01790
.300	-10.000	5.79880	.30610	.05100	-.15060	.20120	-.03510	.01480
.300	-8.000	5.80420	.29310	.05310	-.13030	.16280	-.03110	.01310
.300	-6.000	5.80960	.28150	.05460	-.10750	.12490	-.02730	.01130
.300	-4.000	5.81300	.27670	.05570	-.08980	.08840	-.02380	.00860
.300	-3.000	5.81350	.27730	.05610	-.08570	.07170	-.02220	.00700
.300	-2.000	5.81300	.27870	.05640	-.08550	.05600	-.02060	.00530
.300	-1.000	5.81250	.27970	.05660	-.08740	.04020	-.01890	.00360
.300	.000	5.81250	.28070	.05680	-.09110	.02390	-.01690	.00180
.300	1.000	5.81300	.28250	.05710	-.09620	.00750	-.01500	.00010
.300	2.000	5.81300	.28370	.05720	-.10020	-.00960	-.01320	-.00170
.300	3.000	5.81150	.28520	.05730	-.10400	-.02700	-.01160	-.00320
.300	4.000	5.80910	.28880	.05760	-.11050	-.04400	-.01030	-.00430
.300	6.000	5.80420	.29980	.05760	-.12900	-.07810	-.00820	-.00580
.300	8.000	5.79980	.30940	.05540	-.14700	-.11450	-.00550	-.00790
.300	10.000	5.79830	.31390	.05150	-.15840	-.15240	-.00220	-.01070
.300	12.000	5.79930	.30950	.04850	-.15680	-.18930	.00080	-.01320
GRADIENT		-.00035	.00141	.00022	-.00293	-.01649	.00174	-.00166

RUN NO 361/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79640	.28370	.04880	-.13180	.24690	-.03970	.01780
.500	-10.000	5.79930	.28350	.05070	-.12800	.20860	-.03610	.01510
.500	-8.000	5.80420	.27340	.05310	-.11510	.17000	-.03220	.01340
.500	-6.000	5.80910	.26500	.05540	-.09720	.13130	-.02820	.01130
.500	-4.000	5.81250	.26300	.05710	-.08130	.09350	-.02420	.00840
.500	-3.000	5.81300	.26470	.05770	-.07840	.07620	-.02250	.00670
.500	-2.000	5.81300	.26720	.05820	-.08020	.06040	-.02100	.00510
.500	-1.000	5.81250	.26860	.05850	-.08320	.04450	-.01960	.00350
.500	.000	5.81150	.26920	.05870	-.08670	.02740	-.01770	.00180
.500	1.000	5.81050	.26990	.05900	-.09090	.00980	-.01580	.00010
.500	2.000	5.81010	.27050	.05920	-.09500	-.00790	-.01410	-.00150
.500	3.000	5.80960	.27110	.05910	-.09990	-.02550	-.01250	-.00320
.500	4.000	5.80810	.27270	.05910	-.10680	-.04350	-.01090	-.00460
.500	6.000	5.80470	.27960	.05820	-.12490	-.08030	-.00790	-.00650
.500	8.000	5.80030	.28780	.05590	-.14160	-.11800	-.00520	-.00820
.500	10.000	5.79640	.29250	.05250	-.14880	-.15640	-.00240	-.01020
.500	12.000	5.79590	.28600	.04970	-.13720	-.19610	.00170	-.01330
GRADIENT		-.00059	.00110	.00024	-.00340	-.01707	.00168	-.00164



CA5 K1 F0 H15 B V9 1 MINUS ORB TC5 AT38 2

(BGM086) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 380/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	OCY	DCLN	DCSL
.600	-12 000	5 79440	.27470	.04980	-.11840	.25070	-.03950	.01770
.600	-10.000	5.79740	.27540	.04950	-.11520	.21290	-.03690	.01540
.600	-8.000	5 80220	.26770	.05240	-.10460	.17300	-.03250	.01350
.600	-6 000	5 80620	.26120	.05530	-.09050	.13330	-.02810	.01120
.600	-4.000	5 80810	.26000	.05740	-.07690	.09540	-.02450	.00830
.600	-3.000	5 80760	.26140	.05820	-.07780	.07790	-.02300	.00670
.600	-2.000	5 80560	.26330	.05970	-.08120	.06150	-.02140	.00520
.600	-1.000	5.80520	.26500	.05910	-.08650	.04500	-.01980	.00360
.600	.000	5 80520	.26620	.05930	-.09090	.02770	-.01800	.00180
.600	1.000	5 80570	.26720	.05940	-.09330	.00980	-.01640	.00010
.600	2 000	5.80420	.26720	.05970	-.09410	-.00860	-.01480	-.00150
.600	3.000	5.80370	.26740	.05990	-.09690	-.02730	-.01300	-.00300
.600	4.000	5.80370	.26930	.05970	-.10480	-.04630	-.01130	-.00430
.600	6.000	5 80220	.27660	.05820	-.12700	-.08380	-.00840	-.00670
.600	8.000	5.79740	.28280	.05620	-.14290	-.12090	-.00570	-.00870
.600	10 000	5.79250	.28470	.05360	-.14590	-.15920	-.00250	-.01070
.600	12.000	5 79390	.27940	.05120	-.13600	-.20210	.00270	-.01340
GRADIENT	-	.00058	.00109	.00028	-.00322	-.01763	.00166	-.00161

RUN NO 359/ 0 RN/L = 3 53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	OCY	DCLN	DCSL
.700	-12.000	5.79830	.25930	.05120	-.09640	.25280	-.03740	.01600
.700	-10 000	5.79380	.26100	.05000	-.09840	.22060	-.03840	.01520
.700	-8.000	5.80130	.25520	.05270	-.09120	.17750	-.03290	.01300
.700	-6.000	5.80370	.25060	.05630	-.08470	.13530	-.02750	.01040
.700	-4.000	5.80470	.25070	.05900	-.08460	.09880	-.02470	.00790
.700	-3.000	5 80420	.25250	.05980	-.08830	.08190	-.02360	.00660
.700	-2.000	5.80370	.25490	.06010	-.09420	.06460	-.02200	.00510
.700	-1 000	5 80270	.25630	.06050	-.09990	.04670	-.02030	.00350
.700	.000	5.80180	.25690	.06100	-.10290	.02880	-.01870	.00190
.700	1.000	5.80180	.25700	.06130	-.10280	.01110	-.01750	.00030
.700	2 000	5.80220	.25630	.06150	-.10090	-.00710	-.01620	-.00120
.700	3.000	5.80220	.25580	.06160	-.10060	-.02640	-.01440	-.00240
.700	4.000	5 80220	.25750	.06140	-.10490	-.04550	-.01270	-.00350
.700	6 000	5 79330	.26450	.05990	-.12050	-.08350	-.00960	-.00580
.700	8.000	5.79390	.26970	.05750	-.13230	-.12300	-.00620	-.00820
.700	10.000	5.78860	.27060	.05490	-.13520	-.16440	-.00220	-.01060
.700	12 000	5 78960	.26740	.05320	-.12950	-.20720	.00260	-.01260
GRADIENT	-	.00033	.00068	.00031	-.00224	-.01802	.00150	-.00147

ORIGINAL PAGE IS OF POOR QUALITY.

CA5 K1 F0 H15 6 V9.1 MINUS ORB T05 AT38.2

(BGM087) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-OB = 3 000 S1-2 = 000
 S3-4 = 45 000 S5-6 = 20.000
 IORB = 7 850 ORBELV = 5.000

RUN NO. 364/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	-.02270	-.42490	.07200	.16390	-.00540	.00150	-.00030
.500	-1 000	-.02060	-.33350	.06290	.13850	-.00490	.00170	-.00040
.500	.000	-.01970	-.24030	.05690	.11420	-.00450	.00160	-.00050
.500	1.000	-.02250	-.15340	.05320	.09220	-.00420	.00180	-.00050
.500	2 000	-.02110	-.06870	.05100	.06830	-.00360	.00170	-.00060
.500	3 000	-.01950	.01570	.04990	.04220	-.00340	.00170	-.00050
.500	4 000	-.01600	.09940	.04980	.01560	-.00370	.00160	-.00040
.500	5.000	-.01520	.18110	.05090	-.01050	-.00360	.00150	-.00040
.500	6.000	-.02260	.26250	.05330	-.03550	-.00260	.00130	-.00050
.500	7.000	-.03000	.34690	.05710	-.05870	-.00170	.00110	-.00030
.500	8 000	-.02410	.43240	.06230	-.08020	-.00130	.00090	.00000
.500	9 000	-.01360	.51840	.07070	-.10170	-.00190	.00100	-.00030
.500	10.000	-.01500	.60370	.08330	-.12190	-.00230	.00120	-.00060
.500	11.000	-.02230	.68530	.10000	-.13770	-.00270	.00150	-.00030
.500	12.000	-.02520	.76120	.12090	-.15320	-.00360	.00210	.00010
	GRADIENT	.00092	.08642	-.00281	-.02470	.00027	-.00001	-.00001

RUN NO 363/ 0 RN/L = 3 33 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	-.03680	-.45010	.07350	.17130	-.00640	.00170	-.00040
.600	-1 000	-.02470	-.35810	.06360	.14700	-.00550	.00160	-.00070
.600	.000	-.01710	-.26370	.05680	.12220	-.00570	.00180	-.00070
.600	1.000	-.02640	-.17460	.05270	.09950	-.00610	.00200	-.00070
.600	2.000	-.02680	-.08700	.05050	.07420	-.00560	.00200	-.00070
.600	3.000	-.02430	.00120	.04960	.04560	-.00470	.00190	-.00060
.600	4.000	-.02600	.08740	.04990	.01720	-.00400	.00170	-.00050
.600	5.000	-.02630	.17140	.05140	-.00830	-.00300	.00130	-.00040
.600	6 000	-.02340	.25690	.05410	-.03170	-.00170	.00090	-.00040
.600	7.000	-.02050	.34700	.05840	-.05710	-.00070	.00050	.00000
.600	8.000	-.02040	.43830	.06510	-.08480	-.00040	.00050	.00040
.600	9.000	-.02130	.52910	.07560	-.11240	-.00100	.00060	.00010
.600	10.000	-.01930	.61850	.09040	-.13940	-.00210	.00080	-.00010
.600	11 000	-.01690	.70180	.10960	-.16160	-.00280	.00100	.00020
.600	12 000	-.01400	.77640	.13230	-.18420	-.00260	.00110	.00070
	GRADIENT	.00054	.08881	-.00294	-.02573	.00041	-.00002	.00002

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(BGM088) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-OB = 3.000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850 ORBELV = 5.000

RUN NO. 358/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79390	.27530	.04500	-.10350	.21910	-.02230	.01620
.500	-10.000	5.79440	.27480	.04650	-.08940	.17920	-.01820	.01310
.500	-8.000	5.80130	.26380	.04900	-.07100	.14090	-.01430	.01110
.500	-6.000	5.80710	.25440	.05110	-.05150	.10220	-.01030	.00910
.500	-4.000	5.80860	.25170	.05230	-.03520	.06330	-.00590	.00630
.500	-3.000	5.80810	.25270	.05260	-.03050	.04530	-.00390	.00470
.500	-2.000	5.80710	.25410	.05290	-.02940	.02880	-.00230	.00300
.500	-1.000	5.80760	.25480	.05300	-.03080	.01260	-.00080	.00140
.500	.000	5.80910	.25490	.05300	-.03290	-.00430	.00100	-.00030
.500	1.000	5.81010	.25490	.05320	-.03530	-.02170	.00280	-.00190
.500	2.000	5.80960	.25450	.05340	-.03710	-.03930	.00440	-.00360
.500	3.000	5.80860	.25400	.05350	-.03940	-.05740	.00610	-.00520
.500	4.000	5.80560	.25550	.05330	-.04490	-.07610	.00790	-.00670
.500	6.000	5.80270	.26420	.05190	-.06490	-.11510	.01170	-.00900
.500	8.000	5.79580	.27450	.04960	-.08900	-.15480	.01550	-.01100
.500	10.000	5.79590	.28090	.04690	-.10700	-.19390	.01910	-.01330
.500	12.000	5.79590	.27620	.04470	-.10340	-.23040	.02140	-.01630
GRADIENT		.00002	.00033	.00013	-.00142	-.01727	.00170	-.00164

RUN NO. 355/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.79100	.26720	.04620	-.09510	.22320	-.02270	.01630
.600	-10.000	5.79390	.26800	.04820	-.07720	.18420	-.01880	.01350
.600	-8.000	5.79880	.25620	.04830	-.05810	.14410	-.01430	.01140
.600	-6.000	5.80320	.24800	.05090	-.04000	.10410	-.01000	.00910
.600	-4.000	5.80520	.24580	.05280	-.02690	.06540	-.00600	.00630
.600	-3.000	5.80520	.24680	.05320	-.02470	.04730	-.00420	.00470
.600	-2.000	5.80420	.24850	.05330	-.02650	.03040	-.00250	.00310
.600	-1.000	5.80420	.24990	.05330	-.03030	.01400	-.00110	.00160
.600	.000	5.80470	.25050	.05340	-.03310	-.00280	.00040	-.00010
.600	1.000	5.80620	.25040	.05370	-.03310	-.02040	.00180	-.00170
.600	2.000	5.80710	.24910	.05400	-.03110	-.03900	.00350	-.00340
.600	3.000	5.80570	.24830	.05410	-.03110	-.05830	.00540	-.00500
.600	4.000	5.80370	.25010	.05380	-.03690	-.07760	.00720	-.00630
.600	6.000	5.79980	.25920	.05250	-.06060	-.11620	.01070	-.00860
.600	8.000	5.79740	.26800	.05070	-.08690	-.15620	.01490	-.01110
.600	10.000	5.79540	.27220	.04870	-.10400	-.19680	.01930	-.01370
.600	12.000	5.79390	.26770	.04670	-.09900	-.23500	.02250	-.01600
GRADIENT		.00005	.00039	.00014	-.00119	-.01770	.00161	-.00160

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(BGM089) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-0B = 3.000 SI-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7.850 ORBELV = .000

RUN NO 370/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.77100	.40400	.03440	-.16740	.20650	-.02110	.02230
.300	-10.000	5.77150	.40580	.03660	-.16920	.16830	-.01740	.01670
.300	-8.000	5.77340	.40090	.03940	-.15790	.13000	-.01370	.01540
.300	-6.000	5.77540	.39770	.04130	-.14230	.09250	-.01010	.01190
.300	-4.000	5.77780	.39920	.04210	-.12900	.05650	-.00670	.00910
.300	-3.000	5.77830	.40140	.04240	-.12610	.03940	-.00480	.00620
.300	-2.000	5.77830	.40370	.04290	-.12600	.02300	-.00280	.00410
.300	-1.000	5.77730	.40480	.04320	-.12640	.00700	-.00080	.00200
.300	.000	5.77690	.40510	.04320	-.12740	-.00920	.00140	-.00020
.300	1.000	5.77640	.40550	.04300	-.13060	-.02610	.00380	-.00240
.300	2.000	5.77590	.40570	.04280	-.13420	-.04340	.00600	-.00440
.300	3.000	5.77690	.40580	.04280	-.13800	-.06090	.00790	-.00640
.300	4.000	5.77640	.40590	.04270	-.14350	-.07810	.00940	-.00820
.300	6.000	5.77390	.40810	.04160	-.15750	-.11270	.01180	-.01170
.300	8.000	5.77200	.41250	.03930	-.17050	-.14870	.01440	-.01510
.300	10.000	5.77100	.41510	.03620	-.17850	-.18570	.01730	-.01850
.300	12.000	5.77150	.40660	.03300	-.17600	-.22230	.01960	-.02170
GRADIENT		-.00026	.00074	.00005	-.00191	-.01675	.00208	-.00207

RUN NO 369/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.76660	.39230	.03480	-.15340	.21620	-.02220	.02270
.500	-10.000	5.76510	.39950	.03640	-.15170	.17600	-.01770	.01900
.500	-8.000	5.76860	.39950	.03940	-.14900	.13890	-.01430	.01580
.500	-6.000	5.77200	.39890	.04200	-.14030	.10120	-.01090	.01240
.500	-4.000	5.77250	.40010	.04340	-.12750	.06250	-.00700	.00850
.500	-3.000	5.77250	.40220	.04380	-.12370	.04430	-.00490	.00650
.500	-2.000	5.77250	.40490	.04430	-.12370	.02770	-.00280	.00440
.500	-1.000	5.77200	.40640	.04460	-.12510	.01170	-.00100	.00240
.500	.000	5.77100	.40650	.04480	-.12670	-.00530	.00110	.00030
.500	1.000	5.77050	.40610	.04480	-.12940	-.02380	.00340	-.00190
.500	2.000	5.77050	.40530	.04480	-.13260	-.04220	.00550	-.00400
.500	3.000	5.77050	.40460	.04460	-.13690	-.06000	.00740	-.00600
.500	4.000	5.77050	.40500	.04430	-.14330	-.07800	.00910	-.00790
.500	6.000	5.76860	.40680	.04270	-.15730	-.11540	.01200	-.01140
.500	8.000	5.76760	.40590	.03980	-.16570	-.15390	.01510	-.01490
.500	10.000	5.76760	.40120	.03630	-.16510	-.19270	.01850	-.01850
.500	12.000	5.76560	.39370	.03430	-.15570	-.22940	.02100	-.02190
GRADIENT		-.00033	.00045	.00012	-.00208	-.01750	.00204	-.00207

CA5 K1 F0 H15 6 V9 1 MINUS ORB TC5 AT38 2

(BGM089) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1 000
 RUD-U = 000 ELV-18 = 000
 ELV-08 = 3 000 S1-2 = .000
 S3-4 = 000 S5-6 = 000
 IORB = 7 850 ORBELV = 000

RUN NO. 368/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.76170	.39160	.03500	-.14040	.22200	-.02250	.02340
.600	-10.000	5.76070	.40040	.03600	-.14860	.18170	- .01840	.01970
.600	-8.000	5.76320	.40160	.03880	-.14600	.14250	- .01440	.01620
.600	-6.000	5.76510	.40140	.04170	-.13610	.10370	-.01090	.01260
.600	-4.000	5.76610	.40310	.04370	-.12680	.06540	-.00730	.00870
.600	-3.000	5.76560	.40540	.04440	-.12590	.04710	-.00530	.00670
.600	-2.000	5.76510	.40840	.04490	-.12660	.02970	-.00320	.00460
.600	-1.000	5.76460	.41040	.04520	-.13240	.01300	-.00130	.00260
.600	.000	5.76510	.41100	.04520	-.13540	-.00430	.00070	.00040
.600	1.000	5.76460	.41070	.04530	-.13670	- .02230	.00270	-.00170
.600	2.000	5.76370	.40930	.04540	-.13610	- .04120	.00480	- .00390
.600	3.000	5.76370	.40780	.04530	-.13700	-.06060	.00700	-.00590
.600	4.000	5.76320	.40780	.04480	-.14230	-.07960	.00870	-.00780
.600	6.000	5.76320	.40910	.04280	-.15730	- .11700	.01140	- .01140
.600	8.000	5.76320	.40660	.04010	-.16490	- .15610	.01480	- .01520
.600	10.000	5.76320	.39990	.03740	-.16190	-.19650	.01900	-.01910
.600	12.000	5.76420	.39090	.03600	-.15290	- .23620	.02260	- .02260
GRADIENT		-.00033	.00047	.00014	-.00191	-.01800	.00201	- .00208

RUN NO. 367/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.76120	.38870	.03670	-.13380	.22890	- .02220	.02300
.700	-10.000	5.76030	.39580	.03610	-.13370	.18900	-.01860	.01980
.700	-8.000	5.75980	.39660	.03870	-.13640	.14660	- .01390	.01620
.700	-6.000	5.75980	.39720	.04220	-.13690	.10580	-.00990	.01240
.700	-4.000	5.75980	.40000	.04480	-.13560	.06820	-.00700	.00840
.700	-3.000	5.75930	.40280	.04550	-.13730	.05030	-.00540	.00650
.700	-2.000	5.75930	.40610	.04580	-.14180	.03260	-.00340	.00460
.700	-1.000	5.75830	.40820	.04600	-.14620	.01500	- .00150	.00270
.700	.000	5.75780	.40850	.04620	-.14780	- .00290	.00040	.00060
.700	1.000	5.75830	.40740	.04630	-.14760	-.02130	.00220	- .00160
.700	2.000	5.75880	.40500	.04640	-.14620	- .04100	.00430	-.00370
.700	3.000	5.76030	.40250	.04640	-.14540	- .06130	.00650	-.00560
.700	4.000	5.76120	.40160	.04590	-.14760	-.08050	.00820	-.00750
.700	6.000	5.76120	.40210	.04400	-.15630	-.11810	.01080	- .01110
.700	8.000	5.75930	.40120	.04110	-.16150	-.15910	.01470	-.01520
.700	10.000	5.75630	.39690	.03840	-.15890	-.20230	.01950	- .01940
.700	12.000	5.75530	.38850	.03770	-.15260	-.24240	.02270	- .02240
GRADIENT		.00013	.00004	.00014	-.00138	-.01855	.00193	- .00201

ORIGINAL PAGE IS
OF POOR QUALITY.

CA5 K1 F0 H15.8 V9.1 MINUS ORB TC5 AT38 2

(BGM090) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1 000
 RUD-U = .000 ELV-1B = 000
 ELV-0B = 3.000 S1-2 = 000
 S3-4 = 000 S5-6 = 000
 10RB = 7 850 ORBELV = 000

RUN NO. 374/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.03340	-.25670	.05310	.05210	- .00230	.00110	00030
.300	-1.000	- .02900	-.16800	.04620	.02920	- .00270	.00140	00020
.300	.000	-.02530	-.07850	.04170	.00700	- .00250	.00130	00010
.300	1.000	-.02460	.00430	.03930	-.01300	- .00210	.00110	00020
.300	2.000	- .02010	.08650	.03830	-.03420	- .00200	.00100	.00020
.300	3 000	- .02420	.16730	.03800	-.05570	- .00240	.00100	00020
.300	4.000	-.03670	.24520	.03850	-.07640	- .00280	.00120	.00020
.300	5.000	- .03770	.32310	.04000	-.09650	- .00280	.00120	.00020
.300	6.000	- .02580	.40350	.04290	-.11660	- .00280	.00120	- .00010
.300	7.000	- .01710	.48480	.04800	-.13750	- .00460	.00120	- .00060
.300	8 000	- .01560	.55990	.05510	-.15910	- .00780	.00110	- .00100
.300	9 000	- .01810	.62630	.06180	-.18030	- .00760	.00150	- .00050
.300	10.000	- .02160	.68910	.07080	-.19930	- .00500	.00210	00050
.300	11 000	- .02440	.75170	.08600	- .21550	- .00480	.00230	00080
.300	12.000	-.02110	.80980	.10520	- .22900	- .00500	.00240	00040
GRADIENT		- .00072	.08267	-.00169	-.02116	- .00004	-.00002	- .00000

RUN NO 373/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	- .02160	- .28000	.05410	.04800	- .00530	.00110	00060
.500	-1.000	- .01810	- .18610	.04680	.02190	- .00510	.00140	00050
.500	.000	-.01510	-.09280	.04220	-.00030	- .00480	.00140	.00030
.500	1.000	-.01530	-.00560	.03990	- .02000	- .00440	.00140	00030
.500	2.000	-.02030	.07970	.03900	- .04110	- .00440	.00140	.00030
.500	3.000	-.02210	.16460	.03880	- .06370	- .00480	.00150	.00030
.500	4.000	-.01950	.24850	.03960	-.08540	- .00480	.00140	00040
.500	5 000	-.01480	.33160	.04170	-.10680	- .00420	.00130	00030
.500	6 000	- .01170	.41420	.04540	-.12810	- .00340	.00100	00020
.500	7 000	-.01540	.49440	.05050	-.14750	- .00300	.00090	00010
.500	8.000	-.02570	.56900	.05830	-.16470	- .00310	.00100	.00000
.500	9.000	-.03160	.63820	.06960	-.18120	- .00390	.00130	.00000
.500	10.000	-.02700	.70470	.08460	-.19890	- .00430	.00150	00000
.500	11.000	-.02140	.76740	.10300	- .21540	- .00430	.00180	.00010
.500	12 000	-.01830	.82680	.12480	-.23000	- .00490	.00220	.00000
GRADIENT		.00017	.08704	-.00159	-.02180	.00011	.00002	-.00003

CAS K1 F0 H15.6 V9 1 MINUS ORB TC5 AT38.2

(BGM090) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 ELV-1B = .000
 ELV-08 = 3.000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 IORB = 7 850 ORBELV = .000

RUN NO. 372/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.02770	-.29500	.05470	.04980	-.00660	.00150	.00050
.600	-1.000	-.02470	-.19950	.04670	.02390	-.00580	.00140	.00030
.600	.000	-.02080	-.10550	.04180	.00020	-.00610	.00160	.00020
.600	1.000	-.02140	-.01610	.03910	-.02100	-.00530	.00170	.00010
.600	2.000	-.02470	.07290	.03800	-.04310	-.00580	.00170	.00020
.600	3.000	-.03000	.16110	.03810	-.06680	-.00520	.00160	.00030
.600	4.000	-.03180	.24850	.03920	-.09040	-.00490	.00150	.00040
.600	5.000	-.02950	.33460	.04190	-.11310	-.00460	.00130	.00030
.600	6.000	-.02670	.41980	.04610	-.13370	-.00340	.00100	.00010
.600	7.000	-.02520	.50250	.05230	-.15180	-.00190	.00060	.00010
.600	8.000	-.02370	.57890	.06220	-.16970	-.00170	.00050	.00010
.600	9.000	-.02100	.64910	.07610	-.19020	-.00320	.00080	.00050
.600	10.000	-.01850	.71670	.09330	-.21330	-.00460	.00110	.00090
.600	11.000	-.01690	.78080	.11320	-.23550	-.00440	.00100	.00110
.600	12.000	-.01810	.83920	.13620	-.25600	-.00350	.00100	.00100
	GRADIENT	-.00093	.06971	-.00166	-.02303	.00026	-.00001	-.00001

RUN NO. 371/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.01950	-.31740	.05640	.04950	-.00700	.00120	.00060
.700	-1.000	-.02240	-.21970	.04730	.02590	-.00670	.00110	.00020
.700	.000	-.02440	-.12210	.04130	.00240	-.00640	.00120	.00020
.700	1.000	-.02310	-.02850	.03800	-.02120	-.00630	.00140	.00030
.700	2.000	-.02320	.06350	.03670	-.04640	-.00620	.00160	.00040
.700	3.000	-.02410	.15680	.03690	-.07440	-.00590	.00160	.00050
.700	4.000	-.02270	.24930	.03850	-.10290	-.00510	.00150	.00050
.700	5.000	-.02330	.33840	.04190	-.12870	-.00390	.00110	.00050
.700	6.000	-.02730	.42520	.04760	-.15180	-.00260	.00070	.00040
.700	7.000	-.02380	.51160	.05650	-.17550	-.00200	.00060	.00030
.700	8.000	-.01530	.59200	.06940	-.19950	-.00240	.00060	.00030
.700	9.000	-.01140	.66380	.08580	-.22250	-.00320	.00050	.00060
.700	10.000	-.01600	.72950	.10470	-.24310	-.00320	.00030	.00110
.700	11.000	-.01890	.79080	.12530	-.25820	-.00250	.00000	.00110
.700	12.000	-.01940	.84410	.14810	-.26790	-.00210	.00010	.00130
	GRADIENT	-.00033	.09362	-.00190	-.02556	.00037	.00003	.00002

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 KI F0 H15.8 V9.1 MINUS ORB NOZ AT38.2

(BOM091) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7 850

RUN NO. 378/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.02570	-.40520	.07400	.19980	-.00520	.00100	-.00080
.300	-1.000	-.02800	-.32080	.06480	.17780	-.00510	.00140	-.00080
.300	.000	-.03040	-.23400	.05840	.15490	-.00490	.00140	-.00090
.300	1.000	-.03380	-.15030	.05440	.13250	-.00450	.00110	-.00080
.300	2.000	-.03640	-.07210	.05220	.11190	-.00400	.00090	-.00060
.300	3.000	-.03600	.00390	.05080	.09150	-.00410	.00090	-.00050
.300	4.000	-.03370	.08070	.05000	.07000	-.00420	.00090	-.00050
.300	5.000	-.03090	.16040	.05040	.04810	-.00420	.00090	-.00070
.300	6.000	-.02840	.24320	.05190	.02660	-.00390	.00090	-.00090
.300	7.000	-.02590	.32550	.05450	.00600	-.00350	.00100	-.00110
.300	8.000	-.02270	.40480	.05800	-.01440	-.00280	.00080	-.00120
.300	9.000	-.02280	.48270	.06300	-.03460	-.00270	.00060	-.00080
.300	10.000	-.02730	.56130	.07040	-.05250	-.00460	.00120	-.00050
.300	11.000	-.02930	.63840	.08140	-.06380	-.00690	.00220	-.00010
.300	12.000	-.02560	.71140	.09720	-.07220	-.00760	.00280	-.00010
GRADIENT		-.00100	.08046	-.00315	-.02156	.00017	-.00006	.00005

RUN NO. 377/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.02620	-.44750	.07620	.20130	-.00710	.00100	-.00050
.500	-1.000	-.02750	-.35720	.06530	.17610	-.00640	.00130	-.00060
.500	.000	-.02570	-.26420	.05950	.15240	-.00600	.00140	-.00050
.500	1.000	-.02690	-.17500	.05520	.13000	-.00590	.00150	-.00050
.500	2.000	-.02880	-.09110	.05280	.10840	-.00580	.00150	-.00050
.500	3.000	-.02670	-.00840	.05140	.08610	-.00550	.00140	-.00050
.500	4.000	-.02480	.07360	.05080	.06450	-.00520	.00120	-.00050
.500	5.000	-.02620	.15470	.05170	.04400	-.00450	.00100	-.00050
.500	6.000	-.02840	.23610	.05400	.02430	-.00370	.00090	-.00060
.500	7.000	-.02860	.31790	.05730	.00640	-.00330	.00090	-.00050
.500	8.000	-.02790	.40150	.06160	-.01060	-.00320	.00090	-.00030
.500	9.000	-.02720	.48700	.06890	-.02780	-.00340	.00090	-.00050
.500	10.000	-.02430	.57320	.08050	-.04470	-.00390	.00120	-.00060
.500	11.000	-.02050	.65550	.09690	-.05820	-.00490	.00170	-.00060
.500	12.000	-.01800	.73110	.11730	-.07280	-.00640	.00230	-.00050
GRADIENT		.00010	.08596	-.00328	-.02238	.00031	-.00001	.00001

CAS K1 F0 H15.8 V9.1 MINUS ORB NOZ AT38.2

(BGM091) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 TORB = 7 850

RUN NO. 376/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.02300	-.47080	.07740	.20720	-.00880	.00140	-.00020
.600	-1.000	-.02740	-.37970	.06880	.18320	-.00590	.00130	-.00060
.600	.000	-.02800	-.28580	.05950	.15960	-.00610	.00140	-.00060
.600	1 000	-.02490	-.19520	.05490	.13640	-.00670	.00170	-.00060
.600	2.000	-.02200	-.10820	.05230	.11310	-.00680	.00170	-.00060
.600	3 000	-.02260	-.02120	.05090	.08910	-.00610	.00150	-.00060
.600	4.000	-.02500	.06420	.05050	.06660	-.00520	.00130	-.00060
.600	5 000	-.02440	.14720	.05160	.04720	-.00430	.00110	-.00060
.600	6 000	-.02010	.23200	.05410	.02930	-.00330	.00080	-.00070
.600	7 000	-.01810	.32040	.05760	.01090	-.00250	.00060	-.00030
.600	8 000	-.02070	.41010	.06330	-.00850	-.00240	.00050	-.00010
.600	9 000	-.02280	.50000	.07300	-.03000	-.00360	.00080	-.00040
.600	10 000	-.02140	.58960	.08730	-.05340	-.00530	.00130	-.00050
.600	11 000	-.01970	.67440	.10630	-.07700	-.00620	.00160	-.00020
.600	12.000	-.02010	.75110	.12870	-.10270	-.00600	.00180	.00040
	GRADIENT	.00025	.08838	-.00346	-.02307	.00025	-.00002	-.00003

RUN NO. 375/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.01000	-.50710	.08160	.21840	-.00580	.00080	-.00010
.700	-1.000	-.01290	-.41420	.06910	.19980	-.00550	.00090	-.00060
.700	.000	-.01130	-.31690	.06000	.17750	-.00500	.00110	-.00050
.700	1.000	-.01180	-.22150	.05420	.15140	-.00480	.00130	-.00030
.700	2.000	-.01320	-.12900	.05130	.12160	-.00490	.00150	-.00020
.700	3 000	-.01070	-.03720	.05010	.09070	-.00490	.00160	-.00020
.700	4 000	-.00920	.05300	.04990	.06360	-.00440	.00150	-.00030
.700	5 000	-.01310	.14030	.05090	.04180	-.00330	.00120	-.00020
.700	6 000	-.01640	.22910	.05380	.02030	-.00230	.00090	-.00010
.700	7 000	-.01400	.32460	.05920	-.00550	-.00170	.00070	-.00010
.700	8.000	-.00590	.42440	.06770	-.03420	-.00190	.00070	-.00040
.700	9.000	.00000	.52220	.08040	-.06280	-.00310	.00090	-.00070
.700	10.000	-.00250	.61240	.09730	-.08850	-.00400	.00100	-.00030
.700	11.000	-.00800	.69170	.11760	-.10780	-.00400	.00090	.00040
.700	12.000	-.00930	.76070	.14020	-.12390	-.00340	.00070	.00090
	GRADIENT	-.00003	.09285	-.00409	-.02628	.00028	.00009	.00002

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15 6 V9 1 MINUS ORB NOZ AT38.2

(BGM092) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20 000 1ORB = 7 850

RUN NO. 382/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
300	-2.000	-.04010	-.36880	.07340	.06400	-.00660	.00110	- .00120
.300	-1.000	-.04480	-.28510	.06510	.04200	-.00650	.00140	-.00130
.300	.000	-.04910	-.19780	.05940	.01880	-.00620	.00130	-.00140
.300	1 000	-.05060	-.11420	.05580	-.00340	-.00560	.00100	- .00130
.300	2.000	-.04800	-.03530	.05390	-.02310	-.00480	.00080	- .00100
.300	3 000	-.04270	.04160	.05300	-.04190	-.00480	.00090	- .00080
.300	4.000	-.03910	.11740	.05270	-.06160	-.00490	.00090	- .00080
.300	5.000	-.03790	.19460	.05350	-.08230	-.00440	.00080	- .00090
.300	6.000	-.03640	.27480	.05560	-.10280	-.00360	.00080	- .00110
.300	7.000	-.03630	.35600	.05890	-.12150	-.00270	.00070	- .00130
300	8 000	-.03780	.43500	.06310	-.14010	-.00240	.00050	- .00140
300	9 000	-.03770	.51210	.06860	-.15900	-.00290	.00040	- .00110
.300	10.000	-.03720	.59110	.07660	-.17570	-.00440	.00100	- .00070
300	11 000	-.03720	.66890	.08820	-.18700	-.00590	.00190	- .00030
.300	12.000	-.03700	.74180	.10450	-.19510	-.00680	.00250	- .00030
	GRADIENT	.00078	.08040	-.00265	-.02076	.00034	-.00007	.00008

RUN NO. 381/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	-.03580	-.41170	.07580	.06390	-.00680	.00110	- .00060
500	-1.000	-.03840	-.32190	.06670	.03950	-.00610	.00130	- .00070
500	.000	-.03990	-.22960	.06040	.01720	-.00560	.00140	- .00060
.500	1.000	-.03960	-.14100	.05660	-.00400	-.00530	.00130	- .00050
.500	2 000	-.03790	-.05740	.05450	-.02450	-.00520	.00130	- .00060
.500	3.000	-.03560	.02530	.05360	-.04480	-.00520	.00130	- .00060
.500	4.000	-.03410	.10780	.05360	-.06480	-.00520	.00120	- .00060
.500	5.000	-.03490	.18980	.05500	-.08460	-.00480	.00110	- .00070
.500	6.000	-.03730	.27140	.05780	-.10330	-.00420	.00090	- .00090
.500	7.000	-.04080	.35340	.06140	-.11920	-.00380	.00090	- .00070
.500	8.000	-.04140	.43680	.06610	-.13410	-.00370	.00090	- .00060
500	9.000	-.03860	.52150	.07380	-.14990	-.00370	.00090	- .00080
.500	10 000	-.03790	.60610	.08600	-.16590	-.00400	.00110	- .00110
.500	11.000	-.03480	.68720	.10290	-.17820	-.00500	.00160	- .00100
500	12.000	-.02750	.76260	.12380	-.18970	-.00640	.00220	- .00060
	GRADIENT	.00051	.08580	-.00278	-.02104	.00024	-.00001	- .00000



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15 6 V9.1 MINUS ORB NOZ AT38.2

(BGM092) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO 380/ 0 RN/L = 3 19 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2 000	-.02030	-.43400	.07680	.07400	-.00620	.00140	-.00030
.600	-1 000	-.01870	-.34300	.06690	.04810	-.00560	.00140	-.00060
.600	.000	-.02420	-.24900	.06010	.02290	-.00600	.00160	-.00060
.600	1 000	-.03120	-.15820	.05580	.00000	-.00640	.00180	-.00050
.600	2 000	-.03520	-.07150	.05360	-.02080	-.00600	.00170	-.00050
.600	3 000	-.03460	.01430	.05270	-.04160	-.00500	.00150	-.00040
.600	4 000	-.03290	.09860	.05290	-.06200	-.00430	.00130	-.00040
.600	5 000	-.03320	.18100	.05460	-.08010	-.00400	.00120	-.00050
.600	6 000	-.03550	.25480	.05760	-.09620	-.00340	.00100	-.00060
.600	7 000	-.03890	.35180	.06170	-.11280	-.00250	.00080	-.00020
.600	8 000	-.03900	.44060	.06790	-.13060	-.00200	.00060	-.00010
.600	9 000	-.03540	.52980	.07800	-.14970	-.00280	.00070	-.00040
.600	10 000	-.03430	.61800	.09260	-.16980	-.00440	.00120	-.00040
.600	11 000	-.03430	.70090	.11190	-.18950	-.00530	.00160	.00000
.600	12 000	-.03200	.77620	.13470	-.21200	-.00510	.00170	.00050
GRADIENT		-.00234	.08797	-.00297	-.02195	.00030	-.00003	.00000

RUN NO 379/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.02550	-.47110	.08050	.08780	-.00610	.00110	-.00030
.700	-1.000	-.02510	-.37810	.06880	.06600	-.00580	.00110	-.00070
.700	.000	-.02410	-.28200	.06070	.04200	-.00550	.00130	-.00060
.700	1 000	-.02530	-.18740	.05560	.01710	-.00530	.00150	-.00040
.700	2 000	-.02780	-.09520	.05310	-.00820	-.00510	.00160	-.00020
.700	3 000	-.02850	-.00410	.05220	-.03420	-.00480	.00160	-.00020
.700	4 000	-.02630	.06490	.05260	-.05910	-.00420	.00150	-.00020
.700	5 000	-.02440	.17130	.05420	-.08080	-.00330	.00130	-.00020
.700	6 000	-.02460	.25980	.05760	-.10150	-.00220	.00100	-.00010
.700	7 000	-.02300	.35420	.06350	-.12520	-.00150	.00080	-.00010
.700	8 000	-.01860	.45340	.07240	-.15140	-.00180	.00080	-.00030
.700	9 000	-.01690	.55100	.08520	-.17760	-.00300	.00100	-.00050
.700	10 000	-.02090	.64130	.10240	-.20030	-.00370	.00110	.00000
.700	11 000	-.02370	.72010	.12330	-.21720	-.00350	.00090	.00040
.700	12 000	-.01960	.78760	.14640	-.23180	-.00270	.00060	.00070
GRADIENT		-.00017	.09212	-.00349	-.02452	.00036	.00005	.00005

CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38.2

(BGM093) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

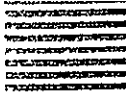
ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7.850

RUN NO. 386/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.81640	.29000	.04870	-.14510	.19870	-.01250	.01350
.300	-10.000	5.81930	.28900	.05120	-.14320	.16120	-.00900	.01050
.300	-8.000	5.82320	.27660	.05280	-.13150	.12350	-.00610	.00890
.300	-6.000	5.82620	.26540	.05380	-.11720	.08710	-.00370	.00730
.300	-4.000	5.82810	.26410	.05430	-.10610	.05350	-.00170	.00520
.300	-3.000	5.82810	.26500	.05460	-.10440	.03800	-.00080	.00390
.300	-2.000	5.82860	.26930	.05500	-.10600	.02350	.00000	.00250
.300	-1.000	5.82860	.26910	.05530	-.10880	.00950	.00060	.00110
.300	.000	5.82810	.26900	.05530	-.11020	-.00450	.00100	-.00030
.300	1.000	5.82760	.26930	.05540	-.10980	-.01960	.00150	-.00180
.300	2.000	5.82760	.26970	.05540	-.10840	-.03550	.00240	-.00340
.300	3.000	5.82670	.27090	.05540	-.10900	-.05150	.00330	-.00470
.300	4.000	5.82520	.27390	.05570	-.11390	-.06710	.00390	-.00550
.300	6.000	5.82130	.28350	.05590	-.13000	-.09920	.00480	-.00660
.300	8.000	5.81880	.29300	.05440	-.14450	-.13460	.00670	-.00850
.300	10.000	5.81640	.29870	.05140	-.15210	-.17310	.00980	-.01110
.300	12.000	5.81590	.29620	.04930	-.15010	-.21330	.01340	-.01360
	GRADIENT	-.00031	.00095	.00015	-.00085	-.01497	.00067	-.00139

RUN NO 385/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.81300	.27620	.04970	-.13470	.20450	-.01270	.01300
.500	-10.000	5.81490	.27690	.05120	-.13090	.16440	-.00880	.01060
.500	-8.000	5.81980	.26910	.05300	-.12290	.12860	-.00670	.00940
.500	-6.000	5.82470	.26220	.05470	-.11190	.09240	-.00450	.00790
.500	-4.000	5.82710	.26070	.05600	-.10150	.05560	-.00160	.00540
.500	-3.000	5.82710	.26260	.05630	-.09970	.03870	-.00040	.00390
.500	-2.000	5.82670	.26530	.05660	-.10120	.02380	.00040	.00250
.500	-1.000	5.82620	.26680	.05670	-.10340	.01020	.00060	.00110
.500	.000	5.82620	.26620	.05680	-.10360	-.00360	.00070	-.00040
.500	1.000	5.82570	.26510	.05700	-.10260	-.01900	.00120	-.00190
.500	2.000	5.82570	.26460	.05710	-.10300	-.03590	.00210	-.00340
.500	3.000	5.82570	.26460	.05700	-.10590	-.05310	.00310	-.00490
.500	4.000	5.82570	.26600	.05680	-.11120	-.07010	.00410	-.00620
.500	6.000	5.82230	.27220	.05610	-.12490	-.10440	.00550	-.00790
.500	8.000	5.81690	.27990	.05440	-.13800	-.14050	.00690	-.00920
.500	10.000	5.81250	.28430	.05200	-.14380	-.17900	.00920	-.01060
.500	12.000	5.81450	.27940	.04940	-.13540	-.21960	.01350	-.01320
	GRADIENT	-.00021	.00040	.00011	-.00100	-.01545	.00062	-.00146



CA5 K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38 2

(BGM093) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 384/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.81150	.26830	.05050	-.12580	.20890	-.01260	.01330
.600	-10.000	5.81250	.27100	.05110	-.12390	.16850	-.00910	.01120
.600	-8.000	5.81740	.26380	.05260	-.11490	.13200	-.00670	.00980
.600	-6.000	5.82130	.25710	.05460	-.10380	.09520	-.00440	.00810
.600	-4.000	5.82230	.25550	.05650	-.09530	.05800	-.00180	.00550
.600	-3.000	5.82180	.25670	.05700	-.09400	.04070	-.00060	.00400
.600	-2.000	5.82230	.25830	.05720	-.09560	.02550	.00020	.00260
.600	-1.000	5.82280	.25920	.05710	-.09850	.01130	.00050	.00130
.600	.000	5.82320	.25930	.05710	-.10020	-.00290	.00050	-.00030
.600	1.000	5.82280	.25930	.05720	-.09970	-.01810	.00080	-.00190
.600	2.000	5.82230	.25880	.05740	-.09810	-.03510	.00160	-.00340
.600	3.000	5.82180	.25840	.05750	-.09820	-.05310	.00280	-.00480
.600	4.000	5.82080	.25960	.05720	-.10290	-.07110	.00390	-.00610
.600	5.000	5.81790	.26600	.05600	-.12000	-.10650	.00540	-.00820
.600	6.000	5.81450	.27210	.05460	-.13510	-.14270	.00670	-.00970
.600	8.000	5.81250	.27470	.05300	-.14050	-.18120	.00900	-.01120
.600	10.000	5.81400	.27010	.05110	-.13190	-.22500	.01400	-.01300
.600	12.000	5.81400	.27010	.05110	-.13190	-.22500	.01400	-.01300
GRADIENT		-.00010	.00038	.00008	-.00082	-.01581	.00060	-.00147

RUN NO. 383/ 0 RN/L = 3.56 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.81300	.25430	.05130	-.10900	.21530	-.01250	.01180
.700	-10.000	5.81350	.25800	.05140	-.11430	.17580	-.00980	.01080
.700	-8.000	5.81640	.25120	.05340	-.10820	.13580	-.00670	.00930
.700	-6.000	5.81980	.24470	.05590	-.10190	.09730	-.00410	.00750
.700	-4.000	5.82080	.24340	.05780	-.09750	.06120	-.00210	.00530
.700	-3.000	5.82130	.24460	.05810	-.09810	.04430	-.00110	.00400
.700	-2.000	5.82130	.24610	.05790	-.10040	.02800	-.00030	.00260
.700	-1.000	5.82180	.24730	.05760	-.10140	.01250	.00030	.00120
.700	.000	5.82180	.24760	.05750	-.10090	-.00290	.00060	-.00040
.700	1.000	5.82180	.24700	.05780	-.10070	-.01910	.00110	-.00210
.700	2.000	5.82180	.24600	.05810	-.10000	-.03650	.00180	-.00350
.700	3.000	5.82280	.24500	.05830	-.10030	-.05460	.00290	-.00480
.700	4.000	5.82230	.24610	.05810	-.10490	-.07280	.00400	-.00580
.700	5.000	5.81930	.25310	.05680	-.12080	-.10920	.00570	-.00760
.700	6.000	5.81490	.25980	.05500	-.13220	-.14710	.00720	-.00920
.700	8.000	5.81100	.26250	.05330	-.13400	-.18710	.00930	-.01070
.700	10.000	5.81300	.25900	.05200	-.12610	-.22970	.01330	-.01210
.700	12.000	5.81300	.25900	.05200	-.12610	-.22970	.01330	-.01210
GRADIENT		.00019	.00019	.00004	-.00058	-.01655	.00069	-.00144

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0 H15 6 V9.1 MINUS ORB NOZ AT38.2

(BGM094) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = 10.000 RUD-L = 10 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7.850

RUN NO. 390/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.75880	.31110	.05720	-.15680	.22040	-.03040	.01510
.300	-10.000	5.80660	.30200	.05150	-.14400	.18820	-.02480	.01250
.300	-8.000	5.81540	.28910	.05230	-.13350	.14660	-.02070	.01070
.300	-6.000	5.81350	.28020	.05430	-.12240	.10850	-.01770	.00900
.300	-4.000	5.81590	.27810	.05490	-.11190	.07480	-.01560	.00690
.300	-3.000	5.81740	.27960	.05510	-.10950	.05960	-.01470	.00580
.300	-2.000	5.81740	.28150	.05540	-.11030	.04530	-.01400	.00430
.300	-1.000	5.81690	.28240	.05560	-.11210	.03140	-.01340	.00280
.300	.000	5.81690	.28250	.05550	-.11260	.01740	-.01290	.00130
.300	1.000	5.81640	.28270	.05570	-.11180	.00290	-.01230	-.00020
.300	2.000	5.81640	.28300	.05590	-.11090	-.01260	-.01160	-.00160
.300	3.000	5.81590	.28410	.05620	-.11210	-.02870	-.01080	-.00290
.300	4.000	5.81400	.28760	.05660	-.11690	-.04470	-.01020	-.00380
.300	6.000	5.80950	.29860	.05700	-.13220	-.07690	-.00950	-.00500
.300	8.000	5.80760	.30700	.05550	-.14670	-.11080	-.00830	-.00670
.300	10.000	5.80810	.30950	.05260	-.15370	-.14670	-.00610	-.00920
.300	12.000	5.80570	.30560	.05020	-.14740	-.18530	-.00330	-.01170
GRADIENT		-.00024	.00091	.00019	-.00048	-.01479	.00065	-.00138

RUN NO 389/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.80950	.27950	.05000	-.13290	.23270	-.02970	.01510
.500	-10.000	5.80760	.27890	.05170	-.12640	.19110	-.02480	.01260
.500	-8.000	5.81250	.27070	.05350	-.11990	.15330	-.02180	.01120
.500	-6.000	5.81740	.26400	.05540	-.11070	.11590	-.01890	.00950
.500	-4.000	5.81980	.26280	.05690	-.10060	.07910	-.01580	.00700
.500	-3.000	5.81980	.26440	.05740	-.09850	.06230	-.01450	.00560
.500	-2.000	5.81930	.26670	.05770	-.10000	.04750	-.01380	.00410
.500	-1.000	5.81930	.26810	.05770	-.10200	.03310	-.01340	.00270
.500	.000	5.81880	.26820	.05770	-.10220	.01830	-.01300	.00120
.500	1.000	5.81840	.26790	.05790	-.10140	.00330	-.01250	-.00030
.500	2.000	5.81890	.26750	.05810	-.10190	-.01250	-.01190	-.00180
.500	3.000	5.81930	.26720	.05820	-.10500	-.02880	-.01110	-.00320
.500	4.000	5.81840	.26860	.05820	-.11040	-.04550	-.01030	-.00440
.500	6.000	5.81450	.27530	.05780	-.12390	-.07980	-.00910	-.00610
.500	8.000	5.80910	.28280	.05650	-.13650	-.11540	-.00800	-.00730
.500	10.000	5.80470	.28710	.05420	-.14250	-.15270	-.00650	-.00870
.500	12.000	5.80520	.28320	.05180	-.13650	-.19190	-.00320	-.01130
GRADIENT		-.00015	.00055	.00014	-.00103	-.01536	.00062	-.00145

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15 8 V9.1 MINUS ORB NOZ AT38 2

(BGM094) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = 1.000
 RUO-U = 10 000 RUD-L = 10.000
 ELV-1B = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO 388/ 0 RN/L = 3.20 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
600	-12.000	5 80470	.26860	.05040	-.12330	.23770	-.02960	.01530
600	-10.000	5 80620	.26860	.05110	-.11910	.19460	-.02510	.01290
600	-8 000	5.81010	.26180	.05290	-.11020	.15610	-.02170	.01150
.600	-6.000	5.81350	.25650	.05520	-.09990	.11870	-.01880	.00980
.600	-4.000	5.81490	.25590	.05710	-.09190	.08180	-.01600	.00720
.600	-3.000	5.81490	.25730	.05770	-.09150	.06450	-.01480	.00570
600	-2 000	5 81490	.25920	.05790	-.09410	.04870	-.01390	.00420
.600	-1 000	5.81490	.26070	.05780	-.09720	.03370	-.01330	.00270
600	000	5.81490	.26120	.05790	-.09870	.01880	-.01300	.00120
.600	1 000	5 81490	.26080	.05830	-.09900	.00370	-.01280	-.00030
600	2 000	5 81490	.26010	.05870	-.09820	-.01270	-.01220	-.00180
.600	3.000	5.81400	.26030	.05890	-.09870	-.03040	-.01110	-.00320
.600	4.000	5 81300	.26230	.05870	-.10380	-.04820	-.01020	-.00440
600	6 000	5 81050	.26950	.05790	-.12150	-.08300	-.00910	-.00630
600	8 000	5.80810	.27550	.05700	-.13670	-.11790	-.00830	-.00770
.600	10.000	5.80710	.27720	.05590	-.14260	-.15480	-.00690	-.00900
600	12 000	5.80570	.27290	.05380	-.13600	-.19700	-.00300	-.01100
GRADIENT		-.00017	.00061	.00020	-.00132	-.01596	.00064	-.00147

RUN NO 387/ 0 RN/L = 3 50 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
700	-12 000	5.80810	.25430	.05130	-.10340	.24330	-.02910	.01390
.700	-10.000	5.80660	.25660	.05150	-.10640	.20360	-.02630	.01280
.700	-8.000	5.81010	.25010	.05320	-.10100	.16100	-.02210	.01120
.700	-6.000	5.81350	.24460	.05580	-.09530	.12070	-.01850	.00920
.700	-4.000	5.81490	.24410	.05810	-.09330	.08460	-.01610	.00700
.700	-3.000	5.81450	.24660	.05860	-.09450	.06760	-.01510	.00580
.700	-2.000	5.81350	.24740	.05830	-.09660	.05090	-.01400	.00430
.700	-1.000	5.81350	.24810	.05810	-.09830	.03480	-.01320	.00270
.700	000	5.81490	.24810	.05840	-.09880	.01950	-.01280	.00110
700	1.000	5 81490	.24760	.05890	-.09840	.00420	-.01260	-.00040
.700	2.000	5 81490	.24670	.05940	-.09760	-.01260	-.01200	-.00170
.700	3.000	5 81400	.24640	.05960	-.09890	-.03060	-.01110	-.00290
.700	4 000	5.81250	.24800	.05960	-.10420	-.04860	-.01010	-.00400
.700	6 000	5.81010	.25420	.05880	-.11920	-.08410	-.00870	-.00580
.700	8 000	5 80760	.25960	.05740	-.12840	-.12030	-.00790	-.00720
700	10 000	5 80520	.26190	.05570	-.12990	-.15820	-.00680	-.00850
700	12.000	5 80470	.26090	.05470	-.12970	-.20000	-.00340	-.00990
GRADIENT		-.00011	.00027	.00020	-.00098	-.01642	.00068	-.00142

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38.2

(BOM095) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

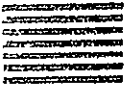
BETA = .000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-18 = 10 000 ELV-08 = 13 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 10RB = 7 850

RUN NO. 394/ 0 RN/L = 1 90 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.06040	-.32200	.07440	-.11870	-.00310	.00080	-.00030
.300	-1.000	-.05530	-.23630	.06630	-.13810	-.00390	.00140	- 00050
.300	.000	-.05360	-.14880	.06090	-.15820	-.00370	.00140	- 00060
.300	1.000	-.05810	-.06670	.05810	-.17800	-.00260	.00110	-.00050
.300	2.000	-.05510	.01270	.05670	-.19580	-.00280	.00110	-.00040
.300	3.000	-.05140	.09130	.05610	-.21330	-.00290	.00110	-.00020
.300	4.000	-.04970	.16720	.05650	-.23160	-.00300	.00110	- 00020
.300	5.000	-.05030	.24270	.05780	-.24900	-.00390	.00120	-.00050
.300	6.000	-.05240	.32230	.06040	-.26640	-.00380	.00130	- 00070
.300	7.000	-.05450	.40370	.06430	-.28400	-.00240	.00110	-.00080
.300	8.000	-.05460	.48090	.06910	-.29970	-.00160	.00090	-.00080
.300	9.000	-.05200	.55640	.07520	-.31430	-.00260	.00100	-.00050
.300	10.000	-.05210	.63390	.08350	-.32750	-.00470	.00170	.00000
.300	11.000	-.05760	.71010	.09550	-.33610	-.00600	.00260	.00030
.300	12.000	-.06480	.78000	.11230	-.33960	-.00580	.00290	.00030
	GRADIENT	.00129	.08060	-.00215	-.01860	.00001	.00000	.00002

RUN NO. 393/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5 00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.05700	-.36130	.07690	-.11540	-.00630	.00110	.00010
.500	-1.000	-.05010	-.27120	.06840	-.13840	-.00560	.00130	- 00010
.500	.000	-.04800	-.17980	.06280	-.15890	-.00520	.00140	.00000
.500	1.000	-.05530	-.09350	.05960	-.17720	-.00530	.00150	.00000
.500	2.000	-.05670	-.00940	.05810	-.19520	-.00540	.00160	-.00010
.500	3.000	-.05220	.07320	.05750	-.21240	-.00520	.00150	-.00010
.500	4.000	-.05210	.15380	.05800	-.22910	-.00500	.00140	- 00010
.500	5.000	-.05570	.23340	.05980	-.24560	-.00460	.00120	- 00020
.500	6.000	-.05280	.31370	.06310	-.26120	-.00410	.00110	-.00040
.500	7.000	-.04520	.39560	.06750	-.27510	-.00370	.00110	-.00040
.500	8.000	-.04590	.47710	.07280	-.28770	-.00340	.00100	- 00020
.500	9.000	-.04950	.56020	.08110	-.30120	-.00330	.00100	- 00040
.500	10.000	-.04810	.64390	.09360	-.31230	-.00360	.00130	- 00070
.500	11.000	-.04570	.72330	.11040	-.31690	-.00470	.00180	- 00030
.500	12.000	-.04700	.79620	.13140	-.32120	-.00620	.00240	.00000
	GRADIENT	-.00018	.08489	-.00225	-.01837	.00018	.00002	-.00003



CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT36.2

(BGM095) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = 000
 ELV-IB = 10 000 ELV-OB = 13.000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7 850

RUN NO 392/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.04860	-.38810	.07890	-.10430	-.00660	.00130	.00000
.600	-1.000	-.04600	-.29600	.06950	-.12830	-.00590	.00140	-.00020
.600	0.000	-.04540	-.20230	.06320	-.15130	-.00620	.00160	-.00030
.600	1.000	-.04680	-.11460	.05980	-.17090	-.00670	.00180	-.00030
.600	2.000	-.05170	-.02850	.05810	-.18830	-.00670	.00190	-.00030
.600	3.000	-.05180	.05680	.05760	-.20550	-.00580	.00170	-.00020
.600	4.000	-.04610	.14020	.05820	-.22270	-.00500	.00140	-.00010
.600	5.000	-.04020	.22240	.06010	-.23780	-.00440	.00120	-.00010
.600	6.000	-.04000	.30540	.06340	-.24940	-.00360	.00110	-.00030
.600	7.000	-.04250	.39100	.06790	-.26040	-.00260	.00080	-.00010
.600	8.000	-.04130	.47830	.07460	-.27580	-.00210	.00050	.00040
.600	9.000	-.03980	.56620	.08500	-.29320	-.00290	.00060	.00010
.600	10.000	-.03850	.65260	.09960	-.30860	-.00470	.00130	-.00030
.600	11.000	-.04010	.73390	.11880	-.32130	-.00570	.00180	.00000
.600	12.000	-.04550	.80870	.14180	-.33580	-.00530	.00180	.00060
GRADIENT		.00041	.08712	-.00246	-.01889	.00025	-.00000	.00000

RUN NO. 391/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.04460	-.42760	.08240	-.08610	-.00670	.00100	.00010
.700	-1.000	-.04580	-.33190	.07110	-.10940	-.00700	.00110	-.00030
.700	0.000	-.04590	-.23460	.06360	-.13270	-.00700	.00140	-.00020
.700	1.000	-.04610	-.14420	.05980	-.15270	-.00630	.00150	.00000
.700	2.000	-.04860	-.05420	.05720	-.17110	-.00540	.00150	.00010
.700	3.000	-.04990	.03580	.05660	-.19190	-.00540	.00160	.00000
.700	4.000	-.05040	.12340	.05760	-.21230	-.00520	.00150	.00000
.700	5.000	-.05130	.20880	.05980	-.22930	-.00420	.00130	-.00010
.700	6.000	-.05130	.29610	.06340	-.24490	-.00290	.00110	.00000
.700	7.000	-.04890	.38910	.06930	-.26390	-.00220	.00090	.00020
.700	8.000	-.04670	.48670	.07870	-.28700	-.00250	.00080	-.00010
.700	9.000	-.04660	.58360	.09180	-.30930	-.00320	.00090	-.00010
.700	10.000	-.04400	.67290	.10890	-.32700	-.00380	.00110	.00060
.700	11.000	-.04290	.75110	.13000	-.33940	-.00390	.00100	.00110
.700	12.000	-.04610	.81770	.15380	-.34960	-.00350	.00080	.00100
GRADIENT		-.00100	.09086	-.00297	-.02039	.00038	.00006	.00001

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38 2

(BGM096) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 9.700

RUN NO. 398/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.05700	-.39850	.07040	.16410	-.00390	.00110	-.00070
.300	-1.000	-.05910	-.31210	.06160	.14330	-.00440	.00140	-.00090
.300	.000	-.05890	-.22460	.05570	.12230	-.00400	.00130	-.00090
.300	1.000	-.05540	-.14270	.05210	.10130	-.00350	.00110	-.00080
.300	2.000	-.05410	-.06140	.04960	.07680	-.00330	.00100	-.00060
.300	3.000	-.05500	.01940	.04800	.04970	-.00380	.00100	-.00050
.300	4.000	-.05510	.09710	.04720	.02360	-.00420	.00100	-.00050
.300	5.000	-.05590	.17400	.04770	.00020	-.00370	.00090	-.00060
.300	6.000	-.05880	.25380	.04960	-.02180	-.00280	.00070	-.00070
.300	7.000	-.06030	.33610	.05310	-.04490	-.00170	.00060	-.00080
.300	8.000	-.06180	.41700	.05780	-.06950	-.00090	.00040	-.00080
.300	9.000	-.06400	.49620	.06370	-.09460	-.00150	.00050	-.00020
.300	10.000	-.06540	.57450	.07100	-.11680	-.00370	.00120	.00030
.300	11.000	-.06470	.65070	.08170	-.13340	-.00540	.00220	.00050
.300	12.000	-.06400	.72330	.09780	-.14560	-.00530	.00240	.00040
	GRADIENT	.00050	.08175	-.00305	-.02367	.00004	-.00005	.00005

RUN NO. 397/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.05070	-.43820	.07270	.17170	-.00590	.00110	-.00030
.500	-1.000	-.04810	-.34780	.06360	.14940	-.00510	.00130	-.00040
.500	.000	-.04780	-.25580	.05740	.12520	-.00440	.00130	-.00030
.500	1.000	-.04760	-.16850	.05350	.10090	-.00410	.00120	-.00030
.500	2.000	-.04440	-.08300	.05120	.07400	-.00410	.00120	-.00040
.500	3.000	-.04190	.00060	.04990	.04710	-.00380	.00110	-.00030
.500	4.000	-.04070	.08290	.04950	.02140	-.00330	.00090	-.00020
.500	5.000	-.04130	.16420	.05050	-.00280	-.00290	.00080	-.00020
.500	6.000	-.04860	.24640	.05310	-.02610	-.00260	.00090	-.00040
.500	7.000	-.05730	.33020	.05700	-.04860	-.00210	.00090	-.00040
.500	8.000	-.05800	.41460	.06230	-.07100	-.00180	.00070	.00000
.500	9.000	-.05480	.49980	.07030	-.09420	-.00180	.00070	-.00030
.500	10.000	-.05030	.58380	.08170	-.11510	-.00140	.00070	-.00080
.500	11.000	-.04700	.66380	.09720	-.13000	-.00130	.00080	-.00080
.500	12.000	-.04740	.73840	.11710	-.14300	-.00240	.00130	-.00030
	GRADIENT	.00147	.08601	-.00298	-.02521	.00038	-.00006	.00002

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.2

(BGM096) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = .000
 S1-2 = .000 S3-4 = 45.000
 S5-8 = 20.000 TORB = 9.700

RUN NO. 398/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.06000	-.46530	.07450	.18430	-.00570	.00120	-.00020
.600	-1.000	-.06160	-.37340	.06440	.15850	-.00500	.00110	-.00040
.600	.000	-.05670	-.27860	.05750	.13080	-.00530	.00130	-.00040
.600	1.000	-.05140	-.18810	.05360	.10350	-.00540	.00140	-.00040
.600	2.000	-.05250	-.10120	.05160	.07570	-.00480	.00130	-.00030
.600	3.000	-.05460	-.01500	.05050	.04830	-.00400	.00100	-.00010
.600	4.000	-.05470	.06980	.05050	.02170	-.00310	.00070	.00000
.600	5.000	-.05250	.15270	.05200	-.00430	-.00230	.00070	.00000
.600	6.000	-.05010	.23740	.05490	-.03140	-.00170	.00070	-.00020
.600	7.000	-.04840	.32540	.05910	-.05850	-.00100	.00060	.00000
.600	8.000	-.04860	.41400	.06510	-.08320	-.00030	.00020	.00030
.600	9.000	-.04840	.50100	.07410	-.10460	-.00060	.00020	.00020
.600	10.000	-.04990	.58690	.08690	-.12140	-.00200	.00060	-.00010
.600	11.000	-.05300	.66880	.10430	-.13250	-.00230	.00070	.00010
.600	12.000	-.05390	.74370	.12570	-.14400	-.00180	.00070	.00050
GRADIENT		.00110	.08833	-.00298	-.02714	.00045	-.00008	.00005

RUN NO. 395/ 0 RN/L = 3.59 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.04380	-.50010	.07800	.18900	-.00590	.00090	.00000
.700	-1.000	-.04530	-.40680	.06650	.16240	-.00530	.00070	-.00030
.700	.000	-.04780	-.31080	.05900	.13160	-.00460	.00060	-.00020
.700	1.000	-.04880	-.21710	.05460	.10160	-.00420	.00080	.00000
.700	2.000	-.04720	-.12670	.05250	.07360	-.00430	.00100	.00010
.700	3.000	-.04440	-.03710	.05170	.04420	-.00450	.00130	.00000
.700	4.000	-.04360	.05120	.05190	.01480	-.00410	.00120	.00000
.700	5.000	-.04350	.13670	.05320	-.00940	-.00270	.00090	.00010
.700	6.000	-.04230	.22280	.05610	-.02860	-.00100	.00040	.00020
.700	7.000	-.04180	.31390	.06120	-.04730	-.00010	.00000	.00020
.700	8.000	-.04340	.40800	.06860	-.06610	-.00010	-.00010	.00000
.700	9.000	-.04480	.50170	.07940	-.08490	-.00070	-.00010	-.00020
.700	10.000	-.04290	.59250	.09430	-.10310	-.00140	.00010	.00030
.700	11.000	-.04020	.67540	.11370	-.11940	-.00160	.00000	.00090
.700	12.000	-.03940	.74760	.13690	-.13780	-.00120	.00000	.00130
GRADIENT		.00027	.09118	-.00323	-.02877	.00034	.00006	.00003

CA5 K1 F0 H15.8 V9.1 MINUS ORB TC5 AT3B.2

(BGM097) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20.000 1ORB = 9 700

RUN NO. 402/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.79640	.26920	.04160	-.07590	.20530	-.02190	.01750
.300	-10.000	5.79930	.27010	.04410	-.06900	.16580	-.01700	.01330
.300	-8.000	5.80520	.25920	.04680	-.05440	.12790	-.01340	.01070
.300	-6.000	5.81050	.24910	.04850	-.03820	.09030	-.00970	.00830
.300	-4.000	5.81350	.24580	.04920	-.02580	.05350	-.00560	.00570
.300	-3.000	5.81400	.24750	.04940	-.02410	.03650	-.00360	.00420
.300	-2.000	5.81400	.25000	.04970	-.02580	.02100	-.00190	.00270
.300	-1.000	5.81300	.25060	.05010	-.02770	.00640	-.00060	.00110
.300	.000	5.81200	.25000	.05040	-.02780	-.00860	.00060	-.00040
.300	1.000	5.81050	.25030	.05020	-.02610	-.02450	.00200	-.00200
.300	2.000	5.81010	.25050	.05000	-.02350	-.04180	.00380	-.00370
.300	3.000	5.81050	.25140	.04990	-.02390	-.05950	.00590	-.00520
.300	4.000	5.80960	.25470	.05010	-.03050	-.07720	.00780	-.00640
.300	6.000	5.80420	.26490	.04970	-.05140	-.11270	.01100	-.00830
.300	8.000	5.79980	.27290	.04710	-.06620	-.14950	.01430	-.01110
.300	10.000	5.79740	.27570	.04290	-.07080	-.18720	.01810	-.01480
.300	12.000	5.79540	.27070	.03940	-.07160	-.22450	.02190	-.01870
GRADIENT		-.00061	.00080	.00010	-.00020	-.01612	.00160	-.00154

RUN NO. 401/ 0 RN/L = 2.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79880	.24570	.04240	-.05070	.21460	-.02220	.01720
.500	-10.000	5.80030	.24870	.04510	-.04580	.17320	-.01710	.01350
.500	-8.000	5.80620	.24160	.04750	-.03620	.13620	-.01380	.01120
.500	-6.000	5.81010	.23480	.04960	-.02550	.09800	-.00990	.00880
.500	-4.000	5.81010	.23310	.05120	-.01780	.05840	-.00520	.00600
.500	-3.000	5.80960	.23500	.05200	-.01830	.04020	-.00310	.00440
.500	-2.000	5.80860	.23780	.05270	-.02200	.02470	-.00180	.00280
.500	-1.000	5.80910	.23900	.05320	-.02430	.01030	-.00090	.00130
.500	.000	5.80960	.23840	.05330	-.02380	-.00460	.00010	-.00020
.500	1.000	5.80960	.23720	.05330	-.02220	-.02080	.00130	-.00170
.500	2.000	5.81010	.23560	.05310	-.01940	-.03810	.00270	-.00330
.500	3.000	5.81100	.23440	.05260	-.01750	-.05590	.00450	-.00470
.500	4.000	5.81050	.23520	.05210	-.01960	-.07430	.00640	-.00610
.500	6.000	5.80620	.24140	.05050	-.03230	-.11250	.01020	-.00850
.500	8.000	5.80130	.24810	.04790	-.04530	-.15190	.01400	-.01100
.500	10.000	5.79830	.25050	.04450	-.05080	-.19150	.01780	-.01400
.500	12.000	5.79930	.24360	.04150	-.04210	-.23020	.02220	-.01780
GRADIENT		.00015	.00001	.00010	.00004	-.01626	.00134	-.00151

CA5 K1 F0 H15.6 V9 1 MINUS ORB TC5 AT38.2

(BGM097) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 6 000 STAB = 1 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 9 700

RUN NO. 400/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.79740	23730	.04460	-.05140	.21810	-.02180	01700
.600	-10 000	5.80080	23670	.04610	-.04010	.17660	-.01680	01350
.600	-8.000	5.80570	22900	.04790	-.02940	.13740	- 01280	01110
.600	-6 000	5.80910	.22350	.05010	-.02070	.09940	-.00890	00870
.600	-4.000	5 80910	22340	.05260	-.01660	.05980	-.00500	00590
.600	-3.000	5.80860	.22540	.05360	-.01890	.04210	-.00320	.00450
.600	-2 000	5 80760	.22790	.05430	-.02460	.02630	-.00180	00310
.600	-1.000	5.80760	22990	.05450	-.03030	.01170	- 00090	00160
.600	.000	5.80810	22990	.05460	-.03190	-.00300	- 00010	00010
.600	1 000	5 80860	.22820	.05460	-.02800	-.01870	.00080	- 00150
.600	2.000	5 80810	.22590	.05450	-.02170	- 03610	00210	- 00300
.600	3 000	5 80810	22430	.05420	-.01700	- 05460	.00380	- 00430
.600	4.000	5 80660	.22500	.05370	-.01660	- 07310	00530	- 00550
.600	6 000	5 80270	.23130	.05170	- 02630	- 11060	.00840	- 00790
.600	8 000	5 80030	23750	.04930	-.04040	-.15060	01250	- 01080
.600	10 000	5.79930	23900	.04690	-.04900	-.19220	01750	- 01400
.600	12 000	5 79590	.23180	.04490	- 04040	- 23270	.02190	- 01680
GRADIENT		-.00016	- 00004	.00011	.00023	- 01628	.00119	- 00145

RUN NO 399/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12 000	5.79540	21660	.04560	-.02230	.22430	- 02100	.01580
.700	-10 000	5.80520	.21720	.04550	-.01840	.18530	-.01810	.01420
.700	-8.000	5 80960	.21040	.04840	-.01150	.14070	-.01190	.01140
.700	-6.000	5.81150	.20560	.05200	-.00980	.09810	-.00650	00840
.700	-4 000	5 81150	20630	.05500	-.01540	.06080	-.00350	00580
.700	-3.000	5.81050	20820	.05580	-.02020	.04410	- 00260	00460
.700	-2.000	5 80960	20990	.05600	-.02490	.02820	- 00160	.00320
.700	-1 000	5 81010	.21080	.05600	-.02770	.01240	-.00070	.00160
.700	.000	5.81100	21050	.05620	- 02680	-.00320	00000	- 00010
.700	1.000	5.81050	.20920	.05630	-.02250	-.01980	.00080	- 00180
.700	2.000	5 80910	.20790	.05630	-.01950	-.03710	.00190	- 00340
.700	3 000	5.80760	.20720	.05600	- 01790	-.05510	00320	- 00470
.700	4 000	5.80710	20730	.05520	-.01610	-.07300	00430	- 00580
.700	6.000	5.80760	.21010	.05280	-.01550	- 11080	00720	- 00810
.700	8.000	5 80470	.21540	.04990	-.02310	-.15280	01200	- 01100
.700	10.000	5 79880	.21950	.04730	-.03200	-.19660	01770	- 01410
.700	12.000	5.79640	.21700	.04600	-.02670	-.23590	02040	- 01570
GRADIENT		-.00045	-.00008	.00004	.00034	-.01659	.00095	-.00151

CA5 K1 F0

V9.1 MINUS ORB TC5 AT38.2A

(BGM098) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 407/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-2.000	-.05020	-.30810	.07040	-.05420	-.01320	.00020	-.00090
.150	-1.000	-.05170	-.23480	.06020	-.04130	-.00790	-.00060	-.00090
.150	.000	-.05370	-.15280	.05340	-.04150	-.00820	-.00060	-.00100
.150	1.000	-.05270	-.07420	.04900	-.04280	-.00990	-.00040	-.00110
.150	2.000	-.05280	-.00160	.04560	-.04120	-.01040	-.00030	-.00100
.150	3.000	-.05310	.06590	.04250	-.03630	-.00960	-.00050	-.00100
.150	4.000	-.05300	.13240	.04020	-.03060	-.00940	-.00060	-.00120
.150	5.000	-.05220	.20130	.03920	-.02600	-.00970	-.00040	-.00120
.150	6.000	-.05300	.27170	.03870	-.02280	-.00990	-.00010	-.00100
.150	7.000	-.05630	.34420	.03870	-.02120	-.01060	-.00010	-.00100
.150	8.000	-.05510	.41980	.04100	-.02030	-.01230	-.00050	-.00090
.150	9.000	-.05080	.49690	.04570	-.01900	-.01420	-.00070	-.00090
.150	10.000	-.04880	.57070	.05250	-.01700	-.01400	-.00060	-.00080
.150	11.000	-.05070	.63920	.06190	-.01570	-.01200	-.00040	-.00050
.150	12.000	-.05410	.70460	.07460	-.01480	-.01020	.00000	-.00030
GRADIENT		-.00022	.07282	-.00422	.00319	.00015	-.00005	-.00004

RUN NO 406/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.04320	-.33830	.07130	-.04490	-.00830	.00100	.00000
.300	-1.000	-.04970	-.25580	.06280	-.03820	-.00610	.00050	.00010
.300	.000	-.05130	-.17280	.05690	-.03340	-.00460	.00000	.00010
.300	1.000	-.05000	-.09620	.05360	-.02930	-.00510	.00000	.00010
.300	2.000	-.05330	-.02450	.05190	-.02450	-.00530	.00020	.00010
.300	3.000	-.05450	.04600	.05050	-.02020	-.00560	.00010	.00020
.300	4.000	-.05370	.11710	.04950	-.01630	-.00640	.00010	.00020
.300	5.000	-.05350	.18830	.04950	-.01270	-.00610	.00010	.00010
.300	6.000	-.05300	.26110	.05090	-.00880	-.00520	.00010	-.00010
.300	7.000	-.04980	.33550	.05330	-.00430	-.00460	.00000	-.00030
.300	8.000	-.05130	.40680	.05640	.00020	-.00430	-.00040	-.00050
.300	9.000	-.05450	.47630	.06060	.00330	-.00440	-.00030	-.00010
.300	10.000	-.05370	.54890	.06730	.00610	-.00560	.00030	.00050
.300	11.000	-.05080	.62350	.07820	.01120	-.00730	.00080	.00070
.300	12.000	-.05010	.69350	.09480	.01810	-.00800	.00100	.00090
GRADIENT		-.00125	.07475	-.00286	.00452	.00013	-.00009	.00002

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CA5 K1 F0

VS 1 MINUS ORB TC5 AT38.2A

(BGM098) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 SI-2 = .000
 S3-4 = 45 000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 405/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2 000	-.04510	-.36590	.07400	-.05160	-.00740	.00080	.00040
500	-1.000	-.05060	-.28210	.06500	-.04870	-.00670	.00080	.00010
500	.000	-.04560	-.19640	.05910	-.04830	-.00630	.00090	.00030
.500	1.000	-.04340	-.11670	.05570	-.04150	-.00640	.00100	.00030
.500	2.000	-.04550	-.04090	.05370	-.03580	-.00630	.00100	.00020
500	3 000	-.04670	.03460	.05230	-.03000	-.00590	.00080	.00020
500	4 000	-.04470	.10830	.05190	-.02320	-.00570	.00080	.00020
500	5.000	-.04290	.18260	.05250	-.01740	-.00530	.00040	.00020
500	6 000	-.04140	.25850	.05430	-.01250	-.00440	.00010	.00000
500	7 000	-.04090	.33540	.05720	-.00790	-.00350	-.00010	.00010
.500	8.000	-.03880	.41270	.06140	-.00400	-.00290	-.00040	.00030
.500	9.000	-.03440	.49130	.06820	-.00190	-.00310	-.00060	.00000
500	10 000	-.03100	.57080	.07950	.00060	-.00430	-.00020	-.00040
500	11.000	-.02960	.64690	.09550	.00590	-.00510	.00040	-.00010
.500	12.000	-.02710	.71710	.11580	.01270	-.00540	.00080	.00020
GRADIENT		.00047	.07810	-.00284	.00602	.00025	-.00005	-.00002

RUN NO. 404/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.04500	-.38970	.07670	-.05350	-.00720	.00070	.00050
.600	-1.000	-.04260	-.30360	.06690	-.05330	-.00680	.00080	.00010
.600	.000	-.04500	-.21730	.06040	-.04890	-.00710	.00100	.00020
.600	1.000	-.04390	-.13610	.05650	-.04340	-.00710	.00100	.00020
.600	2 000	-.04060	-.05700	.05410	-.03800	-.00700	.00100	.00020
.600	3.000	-.03930	.02270	.05270	-.03300	-.00650	.00090	.00010
.600	4.000	-.04000	.10130	.05250	-.02830	-.00580	.00060	.00010
.600	5.000	-.04180	.17930	.05350	-.02310	-.00510	.00040	.00010
.600	6 000	-.04410	.25760	.05570	-.01640	-.00410	.00000	.00000
.600	7 000	-.04420	.33730	.05900	-.01170	-.00250	-.00070	.00050
.600	8.000	-.04330	.41890	.06460	-.01020	-.00130	-.00120	.00080
.600	9.000	-.04380	.50290	.07400	-.00910	-.00220	-.00100	.00060
.600	10.000	-.04270	.58670	.08810	-.00650	-.00400	-.00030	.00020
.600	11.000	-.04140	.66360	.10620	-.00330	-.00410	.00000	.00050
.600	12.000	-.04030	.73260	.12860	-.00150	-.00250	-.00040	.00090
GRADIENT		.00066	.08103	-.00309	.00465	.00026	-.00004	-.00004

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0

V9.1 MINUS ORB TC5 AT38.2A

(BGM098) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45.000 S5-6 = 20.000
 IORB = 7.850

RUN NO. 403/ 0 RN/L = 3.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.03140	-.42270	.08070	-.05710	-.00730	.00090	.00020
.700	-1.000	-.03390	-.33220	.06880	-.05670	-.00720	.00100	.00030
.700	.000	-.03680	-.24340	.06140	-.05300	-.00700	.00120	.00020
.700	1.000	-.03930	-.15920	.05670	-.04840	-.00640	.00120	.00020
.700	2.000	-.03960	-.07690	.05400	-.04430	-.00640	.00140	.00020
.700	3.000	-.03660	.00590	.05310	-.03960	-.00650	.00150	.00020
.700	4.000	-.03110	.08750	.05350	-.03350	-.00560	.00130	.00020
.700	5.000	-.02980	.16750	.05490	-.02650	-.00380	.00070	.00010
.700	6.000	-.03590	.24880	.05760	-.02160	-.00230	.00010	.00030
.700	7.000	-.03900	.33750	.06250	-.02070	-.00140	-.00060	.00050
.700	8.000	-.03310	.43100	.07070	-.02250	-.00130	-.00100	.00010
.700	9.000	-.02630	.52420	.08290	-.02540	-.00140	-.00110	-.00020
.700	10.000	-.02390	.60930	.09950	-.02620	-.00140	-.00110	.00030
.700	11.000	-.02130	.68250	.11960	-.02270	-.00150	-.00090	.00100
.700	12.000	-.02440	.74500	.14190	-.01750	-.00150	-.00080	.00100
	GRADIENT	.00030	.08405	-.00340	.00446	.00040	.00001	-.00001

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DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0

V9.1 MINUS ORB NOZ AT38.2A

(BOM099) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = 45 000 S5-6 = 20 000
 IORB = 7.850

RUN NO. 411/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.05300	-.34420	.07100	-.04520	-.00570	-.00010	.00040
.300	-1.000	-.05080	-.26190	.06230	-.03930	-.00450	-.00020	.00050
.300	.000	-.04940	-.17960	.05630	-.03530	-.00360	-.00040	.00040
.300	1.000	-.05070	-.10430	.05290	-.03140	-.00310	-.00060	.00030
.300	2.000	-.05720	-.03210	.05090	-.02870	-.00310	-.00060	.00040
.300	3.000	-.05980	.03980	.04930	-.02230	-.00390	-.00050	.00040
.300	4.000	-.05720	.11060	.04830	-.01750	-.00480	-.00040	.00040
.300	5.000	-.05480	.18070	.04830	-.01310	-.00470	-.00040	.00020
.300	6.000	-.05350	.25240	.04980	-.00850	-.00440	-.00040	.00000
.300	7.000	-.05550	.32620	.05240	-.00350	-.00430	-.00030	-.00020
.300	8.000	-.05770	.39830	.05530	.00100	-.00360	-.00050	-.00030
.300	9.000	-.05800	.46890	.05950	.00410	-.00310	-.00060	.00020
.300	10.000	-.05720	.54110	.06620	.00740	-.00400	-.00040	.00050
.300	11.000	-.05760	.61390	.07690	.01330	-.00520	.00000	.00070
.300	12.000	-.05790	.68300	.09270	.02070	-.00570	.00030	.00100
GRADIENT		-.00097	.07461	-.00300	.00451	.00005	-.00004	-.00002

RUN NO 410/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.05660	-.37280	.07330	-.05700	-.00650	.00030	.00050
.500	-1.000	-.05410	-.28830	.06410	-.05290	-.00500	.00010	.00030
.500	.000	-.05150	-.20320	.05810	-.04820	-.00470	.00020	.00040
.500	1.000	-.04950	-.12500	.05470	-.04290	-.00510	.00040	.00040
.500	2.000	-.04710	-.04770	.05260	-.03740	-.00500	.00030	.00030
.500	3.000	-.04950	.02840	.05120	-.03090	-.00450	.00010	.00030
.500	4.000	-.05150	.10220	.05050	-.02440	-.00420	.00000	.00030
.500	5.000	-.05010	.17530	.05120	-.01840	-.00410	.00000	.00020
.500	6.000	-.04730	.25090	.05320	-.01260	-.00350	-.00010	.00010
.500	7.000	-.04380	.32820	.05610	-.00720	-.00280	-.00040	.00010
.500	8.000	-.03960	.40490	.06000	-.00310	-.00240	-.00050	.00030
.500	9.000	-.04260	.48340	.06670	-.00110	-.00280	-.00040	-.00010
.500	10.000	-.04610	.56330	.07770	.00150	-.00420	.00000	-.00050
.500	11.000	-.04240	.63950	.09340	.00800	-.00520	.00050	-.00030
.500	12.000	-.03660	.70870	.11330	.01620	-.00540	.00080	.00020
GRADIENT		.00071	.07811	-.00292	.00560	.00026	-.00004	-.00003

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0

V9.1 MINUS ORB NOZ AT38.2A

(BGM099) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 000
 S3-4 = 45 000 S5-6 = 20 000
 TORB = 7 850

RUN NO. 409/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.03890	-.39450	.07540	-.05830	- 00590	.00020	.00060
.600	-1.000	-.04060	-.30950	.06580	-.05700	- .00520	.00030	.00040
.600	.000	-.03810	-.22270	.05930	-.05390	- 00530	.00040	.00040
.600	1.000	-.03330	-.14130	.05520	- 04900	- .00540	.00040	.00040
.600	2.000	-.03660	-.06130	.05290	-.04290	- .00580	.00060	.00030
.600	3.000	-.03570	.01690	.05170	- 03700	- .00540	.00050	.00020
.600	4.000	- 03240	.09410	.05160	- 03140	- 00440	.00020	.00020
.600	5.000	-.03450	.17140	.05240	-.02500	- 00380	.00000	.00020
.600	6.000	-.04160	.24930	.05430	-.01830	- .00350	.00000	.00000
.600	7.000	-.04620	.32900	.05760	-.01360	- .00260	-.00040	.00030
.600	8.000	- 04580	.41130	.06290	-.01100	- 00190	-.00080	.00080
.600	9.000	- 04300	.49530	.07180	-.00900	- .00250	-.00070	.00040
.600	10.000	-.04070	.57820	.08530	- 00580	- .00440	.00000	.00010
.600	11.000	-.03940	.65580	.10360	-.00190	- .00490	.00040	.00040
.600	12.000	-.03580	.72550	.12550	.00080	- .00350	.00020	.00090
	GRADIENT	00090	.08069	-.00306	00497	.00021	- 00002	- 00005

RUN NO. 408/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.03190	-.42790	.07910	-.06260	- 00700	.00050	.00030
.700	-1.000	-.03520	-.34030	.06770	-.05880	- .00680	.00060	.00020
.700	.000	-.03870	-.25070	.05980	-.05540	- 00640	.00070	.00020
.700	1.000	-.03820	-.16720	.05510	- 05160	- .00600	.00070	.00020
.700	2.000	-.03810	-.08410	.05250	-.04760	- 00570	.00080	.00020
.700	3.000	-.03800	-.00130	.05130	- 04220	- .00530	.00090	.00020
.700	4.000	-.03750	.07930	.05150	-.03470	- 00480	.00080	.00030
.700	5.000	-.03690	.15820	.05290	-.02740	- .00390	.00060	.00010
.700	6.000	-.03610	.23960	.05540	-.02200	- .00280	.00020	.00020
.700	7.000	-.03500	.32860	.06000	-.02060	- .00190	-.00030	.00030
.700	8.000	-.03390	.42260	.06790	-.02210	- .00170	-.00060	.00000
.700	9.000	- 03370	.51400	.07990	-.02330	- .00180	-.00070	- 00060
.700	10.000	-.03140	.59880	.09590	-.02240	- .00260	-.00040	-.00020
.700	11.000	-.02760	.67380	.11570	-.01900	- .00340	.00010	.00070
.700	12.000	- 02540	.73750	.13820	-.01420	- .00370	.00040	.00110
	GRADIENT	-.00053	.08371	-.00348	.00489	.00042	.00003	-.00001

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

MINUS ORB NOZ

(BGM100) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = 0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6 000 STAB = -1.000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 415/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.301	-12.000	5.82420	.26800	.07260	.03710	.12910	.02230	.00830
301	-10.000	5.82620	.26740	.07470	.04020	.10270	.01950	.00640
301	-8.000	5.83010	.26060	.07580	.04140	.07550	.01640	.00560
301	-6.000	5.83350	.25440	.07610	.04540	.04920	.01320	.00480
.301	-4.000	5.83500	.25230	.07600	.05160	.02570	.00970	.00350
.301	-3.000	5.83500	.25420	.07610	.05250	.01560	.00750	.00260
.301	-2.000	5.83450	.25680	.07630	.05060	.00680	.00500	.00170
.301	-1.000	5.83400	.25740	.07640	.04840	-.00150	.00230	.00080
.301	0.000	5.83300	.25620	.07640	.04810	-.01000	-.00020	-.00010
301	1.000	5.83300	.25520	.07630	.04940	-.01940	-.00250	-.00110
.301	2.000	5.83250	.25430	.07630	.05060	-.02990	-.00460	-.00230
301	3.000	5.83200	.25530	.07650	.04950	-.04120	-.00650	-.00320
.301	4.000	5.83150	.25950	.07690	.04600	-.05290	-.00860	-.00370
.301	6.000	5.83060	.27040	.07710	.03900	-.07750	-.01240	-.00420
.301	8.000	5.82710	.27630	.07610	.03680	-.10320	-.01570	-.00530
.301	10.000	5.82370	.27650	.07400	.03700	-.12960	-.01890	-.00720
.301	12.000	5.82230	.27600	.07230	.02950	-.15610	-.02210	-.00920
	GRADIENT	-.00047	.00042	.00008	-.00051	-.00960	-.00232	-.00093

RUN NO. 414/ 0 RN/L = 2.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.82520	.24300	.05700	.02870	.13640	.02190	.00810
.500	-10.000	5.82520	.24440	.05840	.03400	.11170	.01890	.00670
.500	-8.000	5.82910	.23750	.05970	.03480	.08490	.01590	.00610
.500	-6.000	5.83300	.23180	.06060	.03530	.05830	.01260	.00520
.500	-4.000	5.83590	.23130	.06110	.03710	.03360	.00890	.00370
500	-3.000	5.83640	.23280	.06130	.03800	.02290	.00570	.00270
.500	-2.000	5.83640	.23480	.06160	.03820	.01330	.00430	.00180
.500	-1.000	5.83640	.23650	.06170	.03770	.00380	.00200	.00080
.500	0.000	5.83640	.23770	.06170	.03740	-.00640	-.00010	-.00040
.500	1.000	5.83540	.23800	.06170	.03790	-.01740	-.00220	-.00150
500	2.000	5.83450	.23730	.06190	.03860	-.02900	-.00440	-.00250
500	3.000	5.83400	.23630	.06220	.03840	-.04100	-.00650	-.00350
.500	4.000	5.83350	.23670	.06230	.03700	-.05280	-.00840	-.00420
500	6.000	5.83060	.24130	.06200	.03240	-.07690	-.01210	-.00510
.500	8.000	5.82620	.24630	.06100	.02850	-.10280	-.01570	-.00580
500	10.000	5.82180	.24940	.05910	.02610	-.13040	-.01900	-.00680
500	12.000	5.82080	.24840	.05630	.02480	-.15770	-.02210	-.00860
	GRADIENT	-.00036	.00064	.00013	.00003	-.01072	-.00217	-.00102

CA5 K1 F0 H15.1A

MINUS ORB NOZ

(BGM100) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339 9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1 000
 ELV-1B = .000 ELV-0B = 000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7 850

RUN NO 413/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.601	-12.000	5.82370	.23210	.05440	.03190	.14160	.02190	.00870
.601	-10.000	5.82470	.23410	.05520	.03770	.11500	.01900	.00730
.601	-8.000	5.83010	.22810	.05640	.03900	.08840	.01610	.00640
.601	-6.000	5.83400	.22290	.05750	.03930	.06170	.01270	.00540
.601	-4.000	5.83350	.22230	.05830	.04010	.03600	.00870	.00380
.601	-3.000	5.83300	.22400	.05860	.04000	.02500	.00640	.00290
.601	-2.000	5.83250	.22600	.05870	.03890	.01550	.00400	.00200
.601	-1.000	5.83200	.22680	.05880	.03780	.00550	.00180	.00100
.601	.000	5.83250	.22630	.05890	.03810	-.00580	-.00010	-.00030
.601	1.000	5.83250	.22530	.05900	.03900	-.01740	-.00200	-.00160
.601	2.000	5.83150	.22450	.05920	.03980	-.02940	-.00400	-.00260
.601	3.000	5.83010	.22430	.05950	.04000	-.04170	-.00610	-.00340
.601	4.000	5.82910	.22560	.05950	.03860	-.05400	-.00820	-.00410
.601	6.000	5.82810	.23020	.05880	.03440	-.07950	-.01210	-.00530
.601	8.000	5.82620	.23460	.05790	.03220	-.10600	-.01570	-.00610
.601	10.000	5.82320	.23710	.05680	.02980	-.13350	-.01890	-.00700
.601	12.000	5.81930	.23790	.05490	.01920	-.16250	-.02200	-.00850
GRADIENT	-.00046	.00016	.00015	-.00005	-.01121	-.00208	-.00104	

RUN NO. 412/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.82280	.22180	.05400	.04370	.15010	.02240	.00740
.700	-10.000	5.82620	.22310	.05490	.04290	.12270	.01890	.00670
.700	-8.000	5.82910	.21830	.05600	.04000	.09430	.01590	.00590
.700	-6.000	5.83110	.21410	.05700	.03610	.06680	.01230	.00500
.700	-4.000	5.83150	.21330	.05780	.03180	.04120	.00800	.00380
.700	-3.000	5.83200	.21480	.05790	.02890	.02950	.00570	.00300
.700	-2.000	5.83300	.21700	.05790	.02570	.01840	.00350	.00210
.700	-1.000	5.83300	.21840	.05780	.02370	.00680	.00160	.00100
.700	.000	5.83250	.21780	.05800	.02360	-.00540	-.00010	-.00030
.700	1.000	5.83200	.21590	.05830	.02500	-.01780	-.00180	-.00160
.700	2.000	5.83200	.21350	.05860	.02740	-.03060	-.00370	-.00260
.700	3.000	5.83200	.21270	.05880	.02910	-.04350	-.00570	-.00340
.700	4.000	5.83060	.21430	.05900	.02850	-.05620	-.00770	-.00390
.700	6.000	5.82670	.21910	.05860	.02820	-.08190	-.01200	-.00470
.700	8.000	5.82420	.22110	.05740	.03510	-.10940	-.01590	-.00550
.700	10.000	5.82320	.22170	.05590	.04080	-.13850	-.01940	-.00640
.700	12.000	5.81790	.22810	.05540	.02380	-.16780	-.02260	-.00710
GRADIENT	-.00011	-.00020	.00016	-.00013	-.01219	-.00191	-.00103	

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

MINUS ORB TC5

(BGM101) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -1 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7 850

RUN NO. 419/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	1.94860	-.03180	.05110	.08930	.12740	.02050	.00170
.300	-10 000	1.95260	-.04110	.05240	.09420	.10440	.01730	.00180
300	-8.000	1.95620	-.04620	.05410	.10100	.08080	.01410	.00190
300	-6.000	1.96000	-.05110	.05570	.11200	.05750	.01070	.00190
.300	-4.000	1.96350	-.05690	.05700	.12500	.03500	.00710	.00150
.300	-3.000	1.96440	-.05910	.05750	.12930	.02430	.00530	.00120
.300	-2.000	1.96400	-.06010	.05780	.13030	.01400	.00340	.00080
.300	-1 000	1.96330	-.05990	.05770	.12980	.00410	.00170	.00030
.300	.000	1.96300	-.05890	.05740	.12890	-.00560	.00000	-.00030
.300	1.000	1.96330	-.05770	.05730	.12650	-.01580	-.00170	-.00090
300	2.000	1.96310	-.05650	.05750	.12330	-.02650	-.00360	-.00130
.300	3.000	1.96240	-.05550	.05740	.12000	-.03770	-.00550	-.00160
.300	4.000	1.96120	-.05440	.05700	.11670	-.04910	-.00730	-.00190
.300	6.000	1.95760	-.04900	.05530	.10850	-.07270	-.01040	-.00230
.300	8.000	1.95290	-.03860	.05350	.09760	-.09710	-.01370	-.00170
.300	10.000	1.94780	-.02580	.05170	.08630	-.12240	-.01690	-.00070
.300	12.000	1.94170	-.01770	.04970	.07940	-.14930	-.01970	-.00070
GRADIENT	- 00028	.00050	-.00002	-.00131	-.01039	-.00179	-.00046	

RUN NO. 418/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	1.95320	-.05910	.04800	.09080	.13370	.02030	.00160
.500	-10.000	1.95880	-.06410	.04720	.09870	.11070	.01700	.00170
.500	-8.000	1.96040	-.06890	.04840	.10270	.08880	.01380	.00160
.500	-6.000	1.96490	-.07320	.05130	.10980	.08220	.01090	.00150
.500	-4.000	1.96680	-.07780	.05220	.12060	.03830	.00680	.00140
.500	-3.000	1.96790	-.07940	.05250	.12570	.02680	.00500	.00110
.500	-2.000	1.96870	-.08050	.05280	.12890	.01550	.00340	.00080
.500	-1.000	1.96790	-.08090	.05300	.12990	.00440	.00180	.00030
.500	.000	1.96580	-.08090	.05310	.12890	-.00680	.00030	-.00040
.500	1.000	1.96420	-.08050	.05320	.12640	-.01830	-.00140	-.00100
.500	2.000	1.96340	-.07950	.05320	.12270	-.03000	-.00320	-.00140
.500	3.000	1.96260	-.07770	.05310	.11870	-.04190	-.00500	-.00170
.500	4.000	1.96220	-.07510	.05270	.11490	-.05390	-.00680	-.00180
.500	6.000	1.96000	-.06820	.05150	.10660	-.07860	-.01000	-.00170
.500	8.000	1.95640	-.06110	.04950	.09680	-.10360	-.01330	-.00180
.500	10 000	1.95280	-.05540	.04720	.08720	-.12820	-.01690	-.00190
.500	12.000	1.94630	-.04770	.04580	.07860	-.15290	-.02010	-.00140
GRADIENT	-.00081	.00029	.00008	-.00099	-.01148	-.00168	-.00045	

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0 H15.1A

MINUS ORB TC5

(BOM101) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

ALPHA1 = 2.000 STAB = -1 000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45 000
 S5-6 = 20 000 10RB = 7 850

RUN NO. 417/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAH	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	1.95290	-.08130	.04590	.09910	.13780	.02060	.00130
.600	-10.000	1.95640	-.08690	.04700	.10930	.11450	.01720	.00150
.600	-8.000	1.96080	-.09110	.04920	.11170	.09020	.01430	.00130
.600	-6.000	1.96410	-.09410	.05080	.11500	.06540	.01080	.00120
.600	-4.000	1.96580	-.09660	.05150	.12280	.04080	.00670	.00120
.600	-3.000	1.96680	-.09810	.05150	.12830	.02900	.00470	.00110
.600	-2.000	1.96800	-.09970	.05140	.13330	.01740	.00310	.00080
.600	-1.000	1.96800	-.10090	.05130	.13640	.00510	.00180	.00030
.600	.000	1.96720	-.10130	.05130	.13720	-.00750	.00050	-.00030
.600	1.000	1.96630	-.10030	.05160	.13470	-.01980	-.00090	-.00070
.600	2.000	1.96530	-.09910	.05190	.12990	-.03170	-.00280	-.00100
.600	3.000	1.96420	-.09790	.05210	.12430	-.04340	-.00480	-.00120
.600	4.000	1.96290	-.09570	.05200	.11860	-.05560	-.00660	-.00120
.600	6.000	1.95940	-.08910	.05100	.10950	-.08100	-.00990	-.00140
.600	8.000	1.95610	-.08350	.04920	.10410	-.10620	-.01340	-.00150
.600	10.000	1.95300	-.07930	.04730	.09930	-.13110	-.01710	-.00170
.600	12.000	1.94750	-.07520	.04660	.08690	-.15600	-.02070	-.00160
GRADIENT		-.00044	.00010	.00008	-.00062	-.01210	-.00160	-.00035

RUN NO. 416/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAH	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	1.95920	-.10370	.04700	.10240	.14470	.02120	.00040
.700	-10.000	1.95630	-.10950	.04720	.11350	.11890	.01740	.00050
.700	-8.000	1.95840	-.11210	.04880	.11700	.09490	.01390	.00040
.700	-6.000	1.96170	-.11640	.05040	.11970	.07050	.01030	.00040
.700	-4.000	1.96440	-.12280	.05120	.12590	.04480	.00640	.00050
.700	-3.000	1.96520	-.12520	.05100	.13140	.03160	.00460	.00060
.700	-2.000	1.96590	-.12570	.05050	.13740	.01850	.00300	.00050
.700	-1.000	1.96580	-.12480	.04990	.14160	.00550	.00170	.00030
.700	.000	1.96530	-.12440	.04980	.14250	-.00730	.00040	-.00010
.700	1.000	1.96500	-.12500	.05040	.13850	-.02030	-.00100	-.00030
.700	2.000	1.96400	-.12570	.05120	.13290	-.03350	-.00260	-.00050
.700	3.000	1.96250	-.12460	.05160	.12830	-.04670	-.00440	-.00050
.700	4.000	1.96110	-.12160	.05170	.12360	-.05980	-.00620	-.00060
.700	6.000	1.95800	-.11370	.05080	.11330	-.08600	-.00970	-.00070
.700	8.000	1.95350	-.10810	.04940	.10410	-.11170	-.01320	-.00080
.700	10.000	1.94810	-.10410	.04810	.09580	-.13690	-.01700	-.00090
.700	12.000	1.94310	-.09540	.04790	.08650	-.16180	-.02100	-.00090
GRADIENT		-.00043	.00011	.00009	-.00051	-.01305	-.00152	-.00017



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

MINUS ORB TC5

(BGM102) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -1 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 424/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
150	-12.000	5.83590	.28460	.14220	.10170	.12790	.02360	.01200
.150	-10.000	5.83590	.28160	.14550	.11250	.10360	.02050	.00980
150	-8.000	5.83840	.27390	.14700	.12800	.07620	.01690	.00810
150	-6.000	5.84180	.26370	.14780	.14450	.05080	.01300	.00620
150	-4.000	5.84420	.25420	.14790	.16340	.03000	.00870	.00390
.150	-3.000	5.84520	.25160	.14730	.16710	.02170	.00640	.00290
.150	-2.000	5.84520	.25100	.14640	.16440	.01370	.00410	.00200
.150	-1.000	5.84470	.25120	.14570	.16020	.00420	.00210	.00100
.150	.000	5.84370	.25320	.14560	.15590	-.00620	.00020	-.00030
150	1.000	5.84230	.25760	.14630	.14970	-.01680	-.00170	-.00180
.150	2.000	5.84130	.25900	.14640	.14430	-.02730	-.00400	-.00320
150	3.000	5.84080	.25760	.14590	.14080	-.03770	-.00640	-.00410
.150	4.000	5.83940	.25850	.14600	.13760	-.04870	-.00880	-.00440
150	6.000	5.83450	.26550	.14660	.13160	-.07290	-.01300	-.00470
150	8.000	5.83110	.27070	.14470	.12770	-.09860	-.01650	-.00630
.150	10.000	5.83010	.27280	.14130	.12220	-.12420	-.01960	-.00890
150	12.000	5.82960	.27220	.14020	.10900	-.14740	-.02270	-.01110
GRADIENT		-.00071	.00096	-.00019	-.00388	-.00993	-.00214	-.00112

RUN NO 423/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
300	-12.000	5.82030	.27180	07170	.03250	.12980	.02180	.00950
.300	-10.000	5.82230	.27040	.07460	.03520	.10450	.01890	.00720
.300	-8.000	5.82620	.26250	.07550	.04070	.07760	.01580	.00650
300	-6.000	5.83010	.25510	.07570	.05160	.05190	.01240	.00580
300	-4.000	5.83200	.25170	.07570	.06560	.02910	.00860	.00430
.300	-3.000	5.83200	.25210	.07570	.07080	.01940	.00650	.00330
.300	-2.000	5.83200	.25290	.07570	.07340	.01100	.00420	.00220
.300	-1.000	5.83250	.25180	.07550	.07420	.00270	.00200	.00110
300	.000	5.83300	.24970	.07540	.07260	-.00630	.00000	-.00010
.300	1.000	5.83350	.24950	.07560	.06850	-.01620	-.00200	-.00120
.300	2.000	5.83400	.25020	.07580	.06440	-.02660	-.00400	-.00240
.300	3.000	5.83300	.25240	.07610	.05980	-.03730	-.00610	-.00360
300	4.000	5.83110	.25720	.07650	.05380	-.04850	-.00810	-.00400
.300	6.000	5.82620	.26870	.07680	.04250	-.07200	-.01180	-.00450
.300	8.000	5.82230	.27580	.07580	.03690	-.09680	-.01530	-.00570
.300	10.000	5.82030	.27650	.07380	.03510	-.12250	-.01870	-.00770
.300	12.000	5.82030	.27310	.07150	.03100	-.14860	-.02180	-.00970
GRADIENT		.00007	.00025	.00008	-.00173	-.00958	-.00208	-.00108

ORIGINAL PAGE IS
OF POOR QUALITY

CA5 K1 F0 H15.1A

MINUS ORB TC5

(BGM102) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = -1 000
 ELV-1B = 000 ELV-0B = 000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20.000 10RB = 7.850

RUN NO. 422/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12 000	5.81690	.24690	.05620	.02980	.13510	.02170	.00910
500	-10 000	5.81980	.24790	.05780	.03410	.11090	.01850	.00750
.500	-8.000	5.82570	.24120	.05900	.03470	.08390	.01540	.00690
.500	-6.000	5.83010	.23470	.06000	.03850	.05780	.01200	.00590
.500	-4.000	5.83150	.23210	.06060	.04710	.03460	.00810	.00410
.500	-3 000	5.83200	.23230	.06080	.05230	.02450	.00600	.00310
.500	-2.000	5.83300	.23320	.06080	.05670	.01510	.00380	.00210
500	-1.000	5.83300	.23410	.06080	.05930	.00540	.00180	.00100
.500	.000	5.83200	.23490	.06090	.05890	-.00520	.00000	-.00030
.500	1.000	5.83060	.23630	.06120	.05480	-.01640	-.00180	-.00160
500	2.000	5.82960	.23700	.06150	.05080	-.02800	-.00390	-.00280
.500	3.000	5.82860	.23710	.06160	.04770	-.03970	-.00590	-.00370
.500	4.000	5.82760	.23830	.06170	.04370	-.05130	-.00790	-.00440
.500	6.000	5.82470	.24400	.06150	.03400	-.07480	-.01180	-.00550
.500	8 000	5.82230	.25020	.06060	.02680	-.09970	-.01550	-.00630
.500	10 000	5.81840	.25330	.05870	.02390	-.12630	-.01900	-.00750
.500	12.000	5.81300	.24830	.05570	.02660	-.15370	-.02220	-.00930
GRADIENT		-.00058	.00082	.00014	-.00073	-.01074	-.00198	-.00111

RUN NO. 421/ 0 RN/L = 3.22 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.81490	.23730	.05360	.03240	.13940	.02200	.00960
600	-10.000	5.81880	.23770	.05470	.04260	.11290	.01880	.00790
.600	-8.000	5.82280	.23240	.05580	.04020	.08690	.01580	.00690
.600	-6.000	5.82520	.22810	.05690	.03860	.06120	.01240	.00570
600	-4 000	5.82620	.22720	.05790	.04350	.03650	.00820	.00400
600	-3.000	5.82670	.22800	.05810	.04700	.02550	.00600	.00300
.600	-2.000	5.82710	.22880	.05820	.04950	.01560	.00370	.00210
.600	-1.000	5.82710	.22890	.05820	.05120	.00530	.00180	.00100
600	.000	5.82710	.22820	.05820	.05140	-.00570	.00010	-.00030
.600	1.000	5.82670	.22830	.05850	.04810	-.01730	-.00170	-.00160
.600	2.000	5.82570	.22850	.05890	.04520	-.02950	-.00370	-.00270
.600	3 000	5.82420	.22890	.05920	.04330	-.04170	-.00580	-.00350
.600	4.000	5.82280	.23080	.05920	.04030	-.05370	-.00800	-.00420
.600	6 000	5.82080	.23680	.05860	.03350	-.07770	-.01210	-.00540
600	8.000	5.81840	.24120	.05770	.03130	-.10310	-.01590	-.00640
.600	10.000	5.81450	.24270	.05640	.03060	-.12990	-.01930	-.00760
.600	12.000	5.80910	.24130	.05410	.02280	-.15690	-.02240	-.00900
GRADIENT		-.00041	.00026	.00017	-.00059	-.01125	-.00197	-.00107

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A

MINUS ORB TC5

(BGM102) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = 0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = 0300

ALPHA1 = 6 000 STAB = -1 000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = 000 S3-4 = 45.000
 S5-6 = 20 000 IORB = 7 850

RUN NO. 420/ 0 RN/L = 3 54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DGD	DCLM	DCY	DCLN	DCSL
700	-12.000	5.81888	.22660	.05370	.04250	.14580	.02280	.00800
700	-10.000	5.81840	.22710	.05450	.05270	.11900	.01920	.00720
700	-8.000	5.82080	.22240	.05570	.04830	.09150	.01600	.00610
700	-6.000	5.82320	.21870	.05710	.04040	.06460	.01240	.00480
.700	-4.000	5.82370	.21870	.05820	.03410	.03950	.00820	.00340
.700	-3.000	5.82320	.22030	.05840	.03090	.02820	.00600	.00270
.700	-2.000	5.82280	.22260	.05820	.02670	.01770	.00380	.00180
.700	-1.000	5.82180	.22420	.05800	.02300	.00660	.00170	.00080
.700	.000	5.82130	.22400	.05830	.02190	-.00510	-.00020	-.00030
700	1.000	5.82180	.22200	.05870	.02390	-.01720	-.00220	-.00140
700	2.000	5.82230	.21950	.05910	.02760	-.02990	-.00420	-.00240
.700	3.000	5.82130	.21840	.05930	.03100	-.04260	-.00610	-.00320
.700	4.000	5.82030	.21960	.05940	.03250	-.05500	-.00820	-.00370
700	6.000	5.81840	.22410	.05910	.03370	-.07980	-.01270	-.00480
.700	8.000	5.81400	.22640	.05800	.03710	-.10620	-.01670	-.00580
.700	10.000	5.80760	.22710	.05650	.03880	-.13430	-.02020	-.00690
.700	12.000	5.80270	.23300	.05530	.02800	-.16380	-.02320	-.00780
GRADIENT		-.00034	-.00018	.00017	-.00006	-.01182	-.00203	-.00094

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0 H15.1A

MINUS ORB TC5 AT3B.2A

(BGM103) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6 000 STAB = 1 000
 ELV-IB = .000 ELV-OB = .000
 S1-2 = 000 S3-4 = 45 000
 S5-6 = 20.000 IORB = 7.650

RUN NO. 429/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-12.000	5.80620	.37270	.14480	-.01530	.10130	.02520	.01010
.150	-10 000	5.80660	.37250	.14510	- 00870	.07690	.02220	.00770
.150	-8.000	5.80860	.36280	.14640	00550	.04910	.01870	.00590
.150	-6.000	5.81200	.35020	.14660	.02410	.02440	.01470	.00400
.150	-4.000	5.81540	.33960	.14510	.04070	.00500	.01050	.00180
.150	-3.000	5 81640	.33680	.14420	.04370	-.00400	.00820	.00060
.150	-2 000	5.81690	.33630	.14370	.04180	-.01360	.00600	-.00060
.150	-1.000	5.81640	.33720	.14350	.03850	-.02300	.00380	-.00160
.150	000	5.81490	.33820	.14340	.03460	-.03160	.00180	-.00280
.150	1.000	5.81400	.33970	.14350	.02930	-.04050	-.00030	-.00410
.150	2.000	5.81400	.33970	.14360	.02370	-.04970	-.00270	-.00540
.150	3 000	5.81400	.33880	.14330	.01820	-.05960	-.00520	-.00630
.150	4 000	5.81300	.33990	.14290	.01420	-.07050	-.00750	-.00680
.150	6 000	5.80860	.34630	.14190	.01140	-.09410	- 01150	- 00720
.150	8.000	5 80470	.35180	.14030	.01160	-.11820	- 01500	- 00850
.150	10 000	5.80220	.35390	.13840	.00930	-.14230	-.01830	-.01080
.150	12 000	5.80270	.34950	.13680	-.00320	-.16740	-.02200	-.01350
GRADIENT		-.00042	.00027	-.00020	-.00380	- 00931	-.00223	-.00112

RUN NO 428/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.80710	.30740	.07400	-.05650	.12660	.02250	.00970
.300	-10.000	5 81010	.30490	.07630	- 05240	.09940	.01940	.00730
.300	-8.000	5.81490	.29600	.07720	-.04640	.07290	.01620	.00640
.300	-6.000	5 81880	.28780	.07740	-.03670	.04780	.01270	.00560
.300	-4.000	5.82130	.28380	.07720	-.02490	.02530	.00890	.00400
.300	-3.000	5.82180	.28430	.07720	-.02040	.01540	.00880	.00300
.300	-2.000	5.82180	.28560	.07710	-.01790	.00660	.00460	.00190
.300	-1.000	5.82230	.28520	.07700	-.01680	-.00190	.00240	.00070
.300	.000	5.82230	.28390	.07680	-.01750	-.01050	.00030	-.00050
.300	1.000	5.82180	.28410	.07680	-.02080	-.01980	-.00180	-.00180
.300	2.000	5.82180	.28530	.07690	-.02500	-.03000	-.00380	-.00310
.300	3.000	5.82080	.28800	.07730	-.03010	-.04110	-.00590	-.00410
.300	4.000	5.81880	.29300	.07780	-.03620	-.05270	-.00790	-.00470
.300	6.000	5.81350	.30450	.07820	-.04760	-.07650	-.01180	-.00540
.300	8.000	5.80860	.31150	.07690	-.05340	-.10120	-.01530	-.00660
.300	10.000	5.80710	.31240	.07450	-.05540	-.12630	-.01850	-.00850
.300	12.000	5.80860	.31030	.07270	-.05960	-.15250	-.02180	-.01050
GRADIENT		-.00023	.00077	.00003	-.00154	-.00854	-.00210	-.00114

CAS K1 F0 H15.1A

MINUS ORB TC5 AT38.2A

(BGM103) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 IORB = 7.850

RUN NO. 427/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.80820	.27480	.05810	-.05580	.13320	.02180	.00840
.500	-10.000	5.81100	.27550	.05980	-.05200	.10890	.01880	.00780
.500	-8.000	5.81540	.28870	.06090	-.05020	.08240	.01560	.00710
.500	-6.000	5.81880	.28270	.06190	-.04570	.05660	.01220	.00610
.500	-4.000	5.82080	.26070	.06250	-.03700	.03310	.00830	.00420
.500	-3.000	5.82130	.26090	.06270	-.03190	.02280	.00620	.00310
.500	-2.000	5.82230	.26150	.06280	-.02770	.01320	.00400	.00210
.500	-1.000	5.82280	.26190	.06270	-.02490	.00330	.00200	.00090
.500	.000	5.82230	.26270	.06260	-.02490	-.00730	.00030	-.00050
.500	1.000	5.82080	.26430	.06280	-.02900	-.01820	-.00160	-.00180
.500	2.000	5.81980	.26500	.06320	-.03350	-.02940	-.00350	-.00300
.500	3.000	5.81930	.26460	.06350	-.03680	-.04080	-.00570	-.00410
.500	4.000	5.81840	.26560	.06360	-.04110	-.05240	-.00770	-.00490
.500	5.000	5.81540	.27170	.06340	-.05200	-.07640	-.01160	-.00600
.500	6.000	5.81100	.27820	.06220	-.06100	-.10150	-.01530	-.00680
.500	8.000	5.80660	.28160	.06020	-.06510	-.12760	-.01880	-.00800
.500	12.000	5.80370	.27810	.05750	-.06150	-.15460	-.02220	-.00990
	GRADIENT	-.00038	.00067	.00013	-.00078	-.01066	-.00197	-.00118

RUN NO. 428/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.80660	.26190	.05550	-.05320	.13880	.02190	.01000
.600	-10.000	5.80860	.26350	.05630	-.04220	.11270	.01850	.00830
.600	-8.000	5.81250	.25700	.05770	-.04280	.08610	.01570	.00720
.600	-6.000	5.81590	.25150	.05910	-.04290	.06010	.01230	.00600
.600	-4.000	5.81740	.25040	.06010	-.03720	.03570	.00820	.00420
.600	-3.000	5.81790	.25140	.06040	-.03300	.02500	.00600	.00320
.600	-2.000	5.81840	.25230	.06050	-.02950	.01530	.00380	.00220
.600	-1.000	5.81880	.25230	.06050	-.02740	.00500	.00180	.00100
.600	.000	5.81880	.25200	.06040	-.02780	-.00620	.00020	-.00040
.600	1.000	5.81790	.25250	.06060	-.03170	-.01790	-.00150	-.00180
.600	2.000	5.81640	.25240	.06090	-.03430	-.02990	-.00340	-.00290
.600	3.000	5.81540	.25230	.06110	-.03640	-.04190	-.00550	-.00380
.600	4.000	5.81450	.25460	.06120	-.04100	-.05400	-.00770	-.00460
.600	6.000	5.81200	.26090	.06080	-.05010	-.07870	-.01190	-.00600
.600	8.000	5.80710	.26580	.05970	-.05430	-.10410	-.01560	-.00710
.600	10.000	5.80270	.26730	.05800	-.05560	-.13070	-.01880	-.00820
.600	12.000	5.80080	.26590	.05600	-.06310	-.15650	-.02210	-.00970
	GRADIENT	-.00040	.00033	.00012	-.00065	-.01121	-.00193	-.00115

CA5 K1 F0 H15.1A

MINUS ORB TC5 AT38.2A

(BGM103) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1 000
 ELV-1B = .000 ELV-0B = .000
 S1-2 = .000 S3-4 = 45.000
 S5-6 = 20.000 1ORB = 7 850

RUN NO. 425/ 0 RN/L = 3.61 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.80320	.25160	.05590	-.04380	14620	.02230	00840
.700	-10.000	5.80810	.25110	.05620	-.03560	.11900	01870	00750
.700	-8.000	5.81350	.24580	.05730	-.03440	09190	01560	00650
.700	-6.000	5.81590	.24130	.05870	-.03720	.06530	.01210	00520
700	-4.000	5.81590	.24010	.05980	-.04150	.03970	.00790	00380
.700	-3.000	5.81540	.24120	.06010	-.04410	.02780	.00580	.00290
700	-2.000	5.81450	.24360	.06000	-.04710	01680	.00370	00200
700	-1.000	5.81450	.24540	.05990	-.04950	.00570	.00180	.00080
.700	.000	5.81450	.24520	.06000	-.05010	-.00590	.00000	-.00040
.700	1.000	5.81350	.24300	.06030	-.04880	-.01820	-.00200	-.00170
700	2 000	5 81300	.24040	.06070	-.04620	-.03100	- 00390	-.00270
.700	3.000	5.81250	.23960	.06080	-.04400	-.04370	- 00580	- 00350
.700	4.000	5.81200	.24120	.06080	-.04440	-.05500	-.00780	- 00410
.700	6.000	5.80810	.24720	.06030	-.04800	-.08050	-.01220	- 00530
.700	8.000	5.80270	.25070	.05930	-.04890	-.10590	-.01610	-.00630
700	10.000	5.79740	.25200	.05800	-.05220	-.13510	-.01960	- 00730
.700	12.000	5.79440	.25690	.05680	-.06340	-.16370	- 02260	- 00810
	GRADIENT	-.00047	-.00015	.00013	- 00015	-.01195	- 00194	- 00104

CAS K1 F0 H15 1A

MINUS ORB TC5 AT38 3

(BGM104) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2 000 STAB = -2 000
 ELV-18 = 000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 435/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12 000	1.91240	-.17110	.01530	-.01320	.12440	.02320	.00510
300	-10 000	1.91300	-.16440	.01720	-.01570	.10050	.01970	.00460
.300	-8 000	1.91500	-.17580	.01830	-.01570	.07750	.01620	.00370
300	-6.000	1.91770	-.18550	.01970	-.01570	.05500	.01260	.00280
.300	-4.000	1.92000	-.18620	.02140	-.01720	.03300	.00850	.00210
300	-3.000	1.92050	-.18540	.02200	-.01840	.02210	.00640	.00160
.300	-2.000	1.92040	-.18560	.02230	-.01960	.01160	.00440	.00140
300	-1.000	1.92000	-.18520	.02230	-.02130	.00220	.00220	.00090
.300	.000	1.91980	-.18230	.02230	-.02280	-.00650	-.00020	.00030
300	1.000	1.91930	-.17630	.02280	-.02280	-.01580	-.00260	-.00020
.300	2 000	1.91870	-.17140	.02320	-.02270	-.02690	-.00480	-.00070
300	3.000	1.91780	-.17120	.02300	-.02320	-.03910	-.00690	-.00120
.300	4.000	1.91690	-.17110	.02240	-.02290	-.05120	-.00860	-.00150
300	6 000	1.91530	-.16910	.02050	-.02100	-.07550	-.01180	-.00220
.300	8.000	1.91310	-.16950	.01820	-.01980	-.10100	-.01500	-.00320
300	10.000	1.90980	-.17190	.01580	-.01810	-.12730	-.01860	-.00400
.300	12.000	1.90440	-.17350	.01320	-.01820	-.15290	-.02210	-.00410
	GRADIENT	-.00041	.00234	.00015	-.00075	-.01026	-.00219	-.00048

RUN NO. 434/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12 000	1.91360	.00060	.02500	-.01440	.13300	.02290	.00530
.500	-10 000	1.91630	-.00320	.02640	-.01600	.10770	.01920	.00470
500	-8.000	1.91800	-.00460	.02650	-.01890	.08430	.01580	.00360
.500	-6.000	1.91940	-.00450	.03050	-.02130	.06090	.01220	.00300
500	-4.000	1.92070	-.00430	.03170	-.02260	.03740	.00830	.00230
.500	-3.000	1.92110	-.00450	.03200	-.02240	.02540	.00620	.00200
500	-2.000	1.92130	-.00420	.03210	-.02170	.01380	.00430	.00160
.500	-1.000	1.92100	-.00310	.03240	-.02190	.00350	.00220	.00100
500	.000	1.92090	-.00310	.03260	-.02390	-.00590	.00010	.00020
.500	1.000	1.92090	-.00240	.03290	-.02660	-.01650	-.00220	-.00040
500	2.000	1.92030	.00160	.03320	-.02930	-.02840	-.00440	-.00090
500	3.000	1.91910	.00730	.03330	-.03090	-.04100	-.00640	-.00120
500	4.000	1.91760	.01180	.03300	-.03020	-.05390	-.00810	-.00140
500	6.000	1.91460	.01620	.03130	-.02720	-.07940	-.01150	-.00200
.500	8 000	1.91210	.01680	.02900	-.02740	-.10520	-.01510	-.00270
500	10.000	1.91020	.01510	.02660	-.02930	-.13080	-.01910	-.00340
.500	12.000	1.90640	.01400	.02490	-.02540	-.15630	-.02300	-.00390
	GRADIENT	-.00034	.00187	.00020	-.00126	-.01114	-.00209	-.00051

CA5 K1 F0 H15.1A

MINUS ORB TC5 AT38.3

(B0M104) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

ALPHA1 = 2.000 STAB = -2 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 10RB = 4 000

RUN NO. 433/ 0 RN/L = 3.27 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12 000	1.90970	.02330	.02700	-.01080	.13730	.02310	.00550
.600	-10.000	1.91060	.02570	.02820	-.01240	.11190	.01930	.00490
.600	-8.000	1.91280	.02370	.03050	-.01580	.08750	.01600	.00400
.600	-6 000	1.91440	.02390	.03260	-.01860	.06320	.01230	.00320
.600	-4.000	1.91480	.02800	.03390	-.01950	.03910	.00820	.00250
.600	-3.000	1.91480	.03060	.03400	-.01950	.02690	.00610	.00220
.600	-2.000	1.91490	.03240	.03390	-.01940	.01510	.00410	.00180
.600	-1.000	1.91540	.03310	.03390	-.01960	.00400	.00210	.00120
.600	000	1.91530	.03270	.03410	-.01990	-.00630	.00010	.00040
.600	1 000	1.91390	.03170	.03450	-.02150	-.01730	-.00200	-.00030
.600	2 000	1.91280	.03210	.03470	-.02480	-.02960	-.00410	-.00070
.600	3.000	1.91210	.03370	.03470	-.02760	-.04260	-.00610	-.00100
.600	4 000	1.91130	.03560	.03440	-.02900	-.05590	-.00780	-.00140
.600	6.000	1.90910	.03900	.03300	-.02990	-.08220	-.01120	-.00220
.600	8.000	1.90670	.04150	.03080	-.03050	-.10740	-.01510	-.00290
.600	10 000	1.90410	.04210	.02850	-.02970	-.13250	-.01930	-.00350
.600	12.000	1.90100	.04070	.02700	-.02410	-.16000	-.02280	-.00440
GRADIENT		-.00046	.00063	.00010	-.00125	-.01165	-.00202	-.00053

RUN NO. 432/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	1.90170	.04210	.02700	-.00460	.14310	.02320	.00600
.700	-10.000	1.90200	.03880	.02740	-.01240	.11710	.01930	.00540
.700	-8.000	1.90230	.02860	.02860	-.01580	.09330	.01550	.00440
.700	-6.000	1.90380	.04490	.03180	-.01770	.06860	.01170	.00350
.700	-4.000	1.90610	.08810	.03610	-.01840	.04280	.00780	.00280
.700	-3.000	1.90710	.10320	.03730	-.01770	.02940	.00590	.00250
.700	-2.000	1.90750	.10330	.03720	-.01580	.01630	.00400	.00200
.700	-1.000	1.90710	.09980	.03650	-.01300	.00480	.00210	.00140
.700	.000	1.90660	.10200	.03660	-.01140	-.00560	.00000	.00060
.700	1.000	1.90610	.10300	.03710	-.01470	-.01740	-.00190	-.00020
.700	2.000	1.90530	.10250	.03760	-.01990	-.03100	-.00370	-.00070
.700	3.000	1.90380	.10310	.03780	-.02370	-.04550	-.00540	-.00100
.700	4 000	1.90170	.10510	.03740	-.02690	-.05970	-.00710	-.00140
.700	6.000	1.89770	.11060	.03560	-.03310	-.08640	-.01060	-.00230
.700	8.000	1.89600	.11350	.03370	-.03660	-.11180	-.01460	-.00330
.700	10.000	1.89510	.11350	.03230	-.03540	-.13740	-.01890	-.00410
.700	12.000	1.88980	.11450	.03140	-.02700	-.16580	-.02280	-.00450
GRADIENT		-.00055	.00116	.00013	-.00103	-.01252	-.00188	-.00057

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CAS K1 F0 H15.1A

MINUS ORB TC5 AT38.3

(BGM105) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 440/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-12.000	5.81450	.46580	.03830	-.11040	.11130	.02630	.01650
150	-10.000	5.81790	.46700	.04020	-.10400	.08420	.02270	.01390
150	-8.000	5.81880	.46200	.04180	-.09480	.05620	.01900	.01070
.150	-6.000	5.81930	.45750	.04250	-.08740	.03200	.01500	.00730
.150	-4.000	5.81880	.45680	.04240	-.08700	.01290	.01080	.00410
150	-3.000	5.81790	.45810	.04200	-.09140	.00380	.00840	.00270
.150	-2.000	5.81640	.46040	.04150	-.09870	-.00570	.00590	.00150
150	-1.000	5.81540	.46300	.04130	-.10610	-.01460	.00320	.00030
.150	.000	5.81450	.46420	.04150	-.11000	-.02290	.00050	-.00110
.150	1.000	5.81450	.46290	.04150	-.10870	-.03220	-.00200	-.00250
.150	2.000	5.81450	.46040	.04140	-.10650	-.04290	-.00440	-.00400
.150	3.000	5.81400	.45750	.04100	-.10570	-.05480	-.00670	-.00530
.150	4.000	5.81400	.45500	.04030	-.10390	-.06720	-.00880	-.00660
150	6.000	5.81250	.45300	.03850	-.09780	-.09240	-.01250	-.00900
150	8.000	5.81010	.45460	.03630	-.09360	-.11760	-.01570	-.01150
.150	10.000	5.80760	.45570	.03400	-.09260	-.14340	-.01890	-.01390
.150	12.000	5.80710	.44950	.03180	-.09510	-.17170	-.02310	-.01630
GRADIENT		-.00059	-.00015	-.00019	-.00215	-.00980	-.00249	-.00134

RUN NO. 439/ 0 RN/L = 1.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.79830	.44360	.04100	-.09310	.12810	.02400	.01520
300	-10.000	5.79930	.44380	.04300	-.09060	.10040	.02050	.01300
.300	-8.000	5.80270	.43940	.04350	-.08830	.07510	.01710	.01060
.300	-6.000	5.80470	.43850	.04400	-.08890	.05020	.01380	.00810
300	-4.000	5.80370	.44370	.04490	-.09350	.02640	.01010	.00540
.300	-3.000	5.80320	.44790	.04530	-.09700	.01530	.00800	.00420
.300	-2.000	5.80220	.45200	.04540	-.10080	.00570	.00550	.00290
.300	-1.000	5.80180	.45400	.04540	-.10360	-.00230	.00280	.00160
.300	.000	5.80180	.45400	.04550	-.10530	-.00950	-.00010	.00020
.300	1.000	5.80130	.45300	.04550	-.10490	-.01800	-.00290	-.00110
.300	2.000	5.80080	.45230	.04570	-.10320	-.02850	-.00530	-.00250
.300	3.000	5.80080	.45250	.04570	-.10140	-.04030	-.00740	-.00370
.300	4.000	5.79930	.45360	.04550	-.09930	-.05270	-.00920	-.00490
.300	6.000	5.79840	.45690	.04460	-.09660	-.07830	-.01270	-.00750
.300	8.000	5.79490	.45610	.04360	-.09750	-.10430	-.01620	-.00990
.300	10.000	5.79490	.45390	.04190	-.09830	-.13060	-.01980	-.01220
.300	12.000	5.79350	.45150	.03900	-.08960	-.15820	-.02360	-.01410
GRADIENT		-.00047	.00088	.00007	-.00071	-.00945	-.00251	-.00131

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 OF POOR QUALITY

CAS K1 FO H15.1A

MINUS ORB TC5 AT38.3

(BGM105) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 438/ 0 RN/L = 2.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA1	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79380	.43850	.04180	-.08880	.13850	.02380	.01500
.500	-10.000	5.79490	.43860	.04290	-.08760	.10820	.02010	.01290
.500	-8.000	5.79740	.43770	.04380	-.08440	.08230	.01880	.01060
.500	-6.000	5.79880	.43810	.04480	-.08630	.05660	.01340	.00820
.500	-4.000	5.79980	.44170	.04590	-.09420	.03170	.00980	.00560
.500	-3.000	5.79790	.44510	.04640	-.09830	.02050	.00760	.00440
.500	-2.000	5.79640	.44900	.04660	-.10030	.01080	.00510	.00320
.500	-1.000	5.79540	.45210	.04660	-.10070	.00220	.00240	.00170
.500	.000	5.79490	.45340	.04680	-.10090	-.00630	-.00020	.00010
.500	1.000	5.79490	.45300	.04700	-.10120	-.01610	-.00280	-.00140
.500	2.000	5.79440	.45160	.04730	-.10110	-.02730	-.00520	-.00270
.500	3.000	5.79350	.45000	.04740	-.09960	-.03940	-.00730	-.00390
.500	4.000	5.79250	.44870	.04710	-.09710	-.05200	-.00920	-.00500
.500	6.000	5.78960	.44750	.04600	-.09450	-.07800	-.01280	-.00750
.500	8.000	5.78910	.44790	.04470	-.09840	-.10480	-.01640	-.00980
.500	10.000	5.78960	.44690	.04330	-.10280	-.13200	-.02010	-.01200
.500	12.000	5.78760	.43950	.04110	-.09190	-.15990	-.02410	-.01400
	GRADIENT	-.00071	.00081	.00018	-.00029	-.01015	-.00244	-.00137

RUN NO. 437/ 0 RN/L = 3.25 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA1	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.78520	.43530	.04190	-.08170	.13990	.02390	.01590
.600	-10.000	5.78470	.44100	.04240	-.08030	.11220	.02010	.01370
.600	-8.000	5.78860	.43960	.04360	-.07760	.08590	.01680	.01140
.600	-6.000	5.79000	.43960	.04500	-.08040	.05970	.01340	.00880
.600	-4.000	5.78910	.44420	.04620	-.08910	.03430	.00970	.00610
.600	-3.000	5.78760	.44790	.04660	-.09300	.02260	.00750	.00470
.600	-2.000	5.78660	.45150	.04680	-.09480	.01220	.00500	.00340
.600	-1.000	5.78660	.45350	.04690	-.09580	.00330	.00240	.00180
.600	.000	5.78760	.45350	.04710	-.09730	-.00530	-.00020	.00010
.600	1.000	5.78760	.45220	.04730	-.09860	-.01560	-.00270	-.00160
.600	2.000	5.78610	.45100	.04750	-.09900	-.02780	-.00500	-.00310
.600	3.000	5.78420	.45000	.04760	-.09780	-.04100	-.00710	-.00420
.600	4.000	5.78320	.44930	.04750	-.09520	-.05430	-.00920	-.00540
.600	6.000	5.78220	.44930	.04660	-.09180	-.08040	-.01310	-.00780
.600	8.000	5.78170	.45060	.04510	-.09450	-.10720	-.01680	-.01030
.600	10.000	5.78080	.44940	.04340	-.09900	-.13520	-.02040	-.01280
.600	12.000	5.77780	.43910	.04190	-.09170	-.16490	-.02410	-.01480
	GRADIENT	-.00056	.00041	.00017	-.00083	-.01073	-.00241	-.00148

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15.1A

MINUS ORB TC5 AT38.3

(BGM105) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT, XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN, YMRP = .0000 IN. YC
 BREF = 2348.0000 IN, ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 TORB = 4.000

RUN NO. 436/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.77830	.44470	.04300	-.07340	.14900	.02390	01740
.700	-10.000	5.77730	.45770	.04380	-.07730	.12100	.01990	01500
.700	-8.000	5.77730	.44360	.04280	-.07400	.09350	.01650	01240
.700	-6.000	5.77730	.44670	.04480	-.07270	.06610	.01290	00960
.700	-4.000	5.77690	.46190	.04810	-.07680	.03950	.00890	00660
.700	-3.000	5.77730	.45310	.04710	-.07540	.02670	.00670	00520
.700	-2.000	5.77790	.42690	.04320	-.08110	.01490	.00440	00370
.700	-1.000	5.77830	.40070	.03940	-.08260	.00440	.00220	00200
.700	.000	5.77880	.38160	.03730	-.08580	-.00560	-.00010	00000
.700	1.000	5.77830	.38180	.03810	-.09040	-.01700	-.00230	-00180
.700	2.000	5.77730	.38470	.03910	-.09340	-.03020	-.00460	-00340
.700	3.000	5.77640	.37680	.03810	-.09330	-.04440	-.00670	-00470
.700	4.000	5.77590	.37210	.03730	-.09250	-.05810	-.00870	-00600
.700	6.000	5.77490	.36840	.03810	-.09280	-.08460	-.01270	-00880
.700	8.000	5.77340	.40530	.03900	-.09570	-.11240	-.01660	-01150
.700	10.000	5.77100	.41050	.03880	-.09790	-.14200	-.02040	-01400
.700	12.000	5.76900	.39320	.03610	-.09090	-.17250	-.02420	-01590
	GRADIENT	-00013	-.01157	-.00133	-00228	-.01192	-00222	-00163

CA5 KI F0 H15.1A

MINUS ORB TC5 AT3B.3

(BGM106) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = -2 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 444/ 0 RN/L = 1 90 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	7.74950	.57270	.05210	-.12380	.13180	.02410	.02000
.300	-10.000	7.74850	.57280	.05240	-.11990	.10270	.02050	.01720
.300	-8.000	7.75000	.57230	.05230	-.11770	.07820	.01690	.01430
300	-6.000	7.75100	.57220	.05250	-.11710	.05440	.01330	.01110
300	-4 000	7.75050	.57350	.05330	-.11880	.03080	.00960	.00730
.300	-3.000	7.74850	.57660	.05380	-.12050	.01960	.00750	.00540
300	-2.000	7.74660	.58110	.05380	-.12300	.01000	.00510	.00360
.300	-1.000	7.74460	.58450	.05370	-.12600	.00220	.00240	.00170
.300	.000	7.74410	.58460	.05370	-.12840	-.00500	-.00040	-.00040
.300	1 000	7.74510	.58220	.05370	-.12830	-.01390	-.00300	-.00240
.300	2.000	7.74610	.57980	.05380	-.12740	-.02500	-.00540	-.00430
.300	3.000	7.74710	.57890	.05400	-.12660	-.03740	-.00750	-.00600
300	4 000	7.74660	.57900	.05420	-.12480	-.04970	-.00940	-.00760
300	6 000	7.74460	.58000	.05400	-.12170	-.07420	-.01310	-.01090
300	8.000	7.74320	.58030	.05320	-.12280	-.10070	-.01640	-.01420
.300	10.000	7.74320	.57760	.05170	-.12450	-.12850	-.02000	-.01720
.300	12 000	7.74560	.57010	.05010	-.11600	-.15590	-.02410	-.01930
GRADIENT		-.00034	.00040	.00008	-.00089	-.00965	-.00246	-.00189

RUN NO. 443/ 0 RN/L = 2 87 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	7.74320	.58580	.05650	-.11740	.13720	.02410	.02060
.500	-10.000	7.74220	.58900	.05600	-.11510	.10840	.02050	.01790
.500	-8 000	7.74320	.58950	.05640	-.11520	.08330	.01680	.01500
.500	-6 000	7.74410	.59040	.05700	-.11650	.05830	.01320	.01160
.500	-4 000	7.74370	.59340	.05740	-.11910	.03300	.00950	.00760
500	-3 000	7.74220	.59630	.05740	-.12100	.02120	.00750	.00590
.500	-2.000	7.74020	.60000	.05740	-.12360	.01100	.00510	.00400
.500	-1.000	7.73930	.60290	.05750	-.12680	.00250	.00250	.00190
.500	.000	7.73930	.60420	.05770	-.12900	-.00560	-.00010	-.00030
.500	1.000	7.73970	.60350	.05790	-.12830	-.01510	-.00270	-.00240
.500	2.000	7.73930	.60160	.05830	-.12680	-.02620	-.00520	-.00440
.500	3.000	7.73830	.59990	.05860	-.12590	-.03810	-.00750	-.00620
.500	4.000	7.73730	.59870	.05860	-.12480	-.05050	-.00960	-.00790
500	6.000	7.73680	.59820	.05810	-.12320	-.07630	-.01350	-.01120
.500	8.000	7.73390	.59810	.05750	-.12490	-.10370	-.01700	-.01430
.500	10.000	7.73240	.59580	.05690	-.12770	-.13210	-.02060	-.01730
.500	12.000	7.73240	.58730	.05610	-.12610	-.16080	-.02450	-.02010
GRADIENT		-.00064	.00060	.00018	-.00076	-.01006	-.00245	-.00200

CA5 K1 F0 H15.1A

MINUS ORB TC5 AT38.3

(BGM106) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN YMRP = 0000 IN YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8 000 STAB = -2 000
 ELV-18 = 000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = .000 1ORB = 4.000

RUN NO. 442/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	7.73100	.59010	.05990	-.11210	.14160	.02430	.02130
.600	-10.000	7.73340	.59690	.05970	-.11260	.11410	.02050	.01870
.600	-8.000	7.73490	.59920	.06000	-.10930	.08790	.01680	.01530
.600	-6.000	7.73630	.59970	.06050	-.10730	.06170	.01320	.01160
.600	-4.000	7.73680	.60050	.06110	-.10930	.03620	.00940	.00770
.600	-3.000	7.73630	.60230	.06130	-.11160	.02440	.00720	.00570
.600	-2.000	7.73490	.60520	.06160	-.11450	.01400	.00470	.00380
.600	-1.000	7.73390	.60730	.06190	-.11610	.00470	.00220	.00170
.600	.000	7.73490	.60770	.06210	-.11730	-.00430	-.00020	-.00040
.600	1.000	7.73630	.60680	.06230	-.11800	-.01460	-.00270	-.00240
.600	2.000	7.73580	.60580	.06250	-.11860	-.02630	-.00520	-.00420
.600	3.000	7.73390	.60590	.06270	-.11850	-.03880	-.00760	-.00600
.600	4.000	7.73190	.60650	.06260	-.11700	-.05170	-.00970	-.00780
.600	6.000	7.73000	.60770	.06190	-.11490	-.07830	-.01360	-.01130
.600	8.000	7.72850	.60690	.06090	-.12020	-.10620	-.01720	-.01480
.600	10.000	7.72750	.60300	.06010	-.12790	-.13510	-.02080	-.01810
.600	12.000	7.72560	.59520	.05970	-.12250	-.16390	-.02440	-.02060
GRADIENT		-.00038	.00060	.00021	-.00102	-.01068	-.00242	-.00195

RUN NO. 441/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	7.72360	.59830	.06590	-.10800	.14990	.02370	.02110
.700	-10.000	7.72270	.60440	.06590	-.10800	.12030	.02020	.01810
.700	-8.000	7.72510	.60740	.06690	-.10010	.09260	.01700	.01480
.700	-6.000	7.72710	.60820	.06820	-.09560	.06560	.01350	.01130
.700	-4.000	7.72750	.60890	.06940	-.09770	.03930	.00930	.00760
.700	-3.000	7.72800	.61040	.06960	-.09920	.02700	.00690	.00590
.700	-2.000	7.72900	.61270	.06960	-.09960	.01560	.00440	.00420
.700	-1.000	7.72950	.61510	.06990	-.09950	.00540	.00220	.00230
.700	.000	7.72900	.61670	.07030	-.10050	-.00450	.00000	.00030
.700	1.000	7.72850	.61610	.07060	-.10400	-.01530	-.00240	-.00160
.700	2.000	7.72660	.61470	.07070	-.10700	-.02760	-.00480	-.00330
.700	3.000	7.72560	.61370	.07070	-.10740	-.04090	-.00710	-.00490
.700	4.000	7.72610	.61310	.07060	-.10800	-.05400	-.00940	-.00660
.700	6.000	7.72510	.61300	.07010	-.11230	-.08030	-.01370	-.01020
.700	8.000	7.71870	.61320	.06890	-.11680	-.10910	-.01730	-.01330
.700	10.000	7.72310	.61020	.06760	-.11930	-.14020	-.02050	-.01610
.700	12.000	7.77340	.59860	.06700	-.11710	-.17180	-.02400	-.01890
GRADIENT		-.00031	.00053	.00018	-.00142	-.01140	-.00233	-.00180

CAS K1 F0

V9.1 MINUS ORB TC5 AT38.3

(BGM107) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.0000 IN. YMRP = .0000 IN. YC
 BRREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = 000
 S3-4 = .000 S5-8 = .000
 IORB = 4.000

RUN NO. 449/ 0 RN/L = .99 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-2.000	-.05350	-.17370	.05280	-.05400	-.01420	.00030	.00000
.150	-1.000	-.05330	-.09980	.04480	-.04420	-.01020	-.00010	-.00010
.150	.000	-.05540	-.01730	.03950	-.04630	-.01090	.00000	-.00020
.150	1.000	-.05680	.06120	.03710	-.04670	-.01190	.00000	-.00040
.150	2.000	-.06050	.13580	.03560	-.04640	-.01230	-.00020	-.00070
.150	3.000	-.05570	.20700	.03440	-.04530	-.01200	-.00030	-.00090
.150	4.000	-.04950	.27660	.03370	-.04330	-.01270	-.00010	-.00110
.150	5.000	-.05010	.34590	.03390	-.03990	-.01280	.00030	-.00110
.150	6.000	-.05340	.41550	.03460	-.03560	-.01280	.00050	-.00110
.150	7.000	-.05320	.48590	.03600	-.03190	-.01500	.00070	-.00120
.150	8.000	-.05220	.55550	.03880	-.02920	-.01610	.00080	-.00100
.150	9.000	-.05390	.62100	.04330	-.02510	-.01610	.00080	-.00090
.150	10.000	-.05710	.68150	.05190	-.01850	-.01570	.00100	-.00070
.150	11.000	-.06010	.73950	.06660	-.01340	-.01570	.00120	-.00050
.150	12.000	-.06090	.79580	.08530	-.01250	-.01540	.00160	-.00050
	GRADIENT	.00045	.07460	-.00244	.00127	-.00008	-.00001	-.00018

RUN NO. 448/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.05270	-.18960	.05190	-.06080	-.00920	.00070	.00070
.300	-1.000	-.05110	-.10270	.04480	-.05670	-.00780	.00050	.00070
.300	.000	-.05230	-.01910	.04070	-.05340	-.00680	.00030	.00070
.300	1.000	-.05290	.05640	.03900	-.05030	-.00630	.00020	.00060
.300	2.000	-.04940	.13080	.03840	-.04710	-.00700	.00030	.00050
.300	3.000	-.04720	.20500	.03820	-.04400	-.00810	.00050	.00040
.300	4.000	-.04750	.27830	.03860	-.04180	-.00880	.00060	.00040
.300	5.000	-.05120	.35140	.04030	-.04010	-.00910	.00050	.00020
.300	6.000	-.05390	.42490	.04260	-.03730	-.00780	.00060	.00010
.300	7.000	-.05100	.49690	.04560	-.03200	-.00670	.00080	.00010
.300	8.000	-.05290	.56560	.05180	-.02590	-.00980	.00120	-.00070
.300	9.000	-.05910	.62870	.05920	-.02060	-.01390	.00150	-.00110
.300	10.000	-.06000	.68650	.06800	-.01380	-.01340	.00170	-.00040
.300	11.000	-.05190	.74130	.08130	-.00460	-.00920	.00160	.00090
.300	12.000	-.05000	.79570	.10170	.00340	-.00920	.00190	.00120
	GRADIENT	.00056	.07665	-.00143	.00299	-.00011	-.00000	-.00007

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0

V9.1 MINUS ORB TC5 AT38.3

(BGM107) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
LREF = 327.8000 IN YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
SCALE = .0300

PARAMETRIC DATA

BETA = .000 RUD-U = .000
RUD-L = .000 S1-2 = .000
S3-4 = .000 S5-6 = .000
IORB = 4.000

RUN NO. 447/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DOSL
.500	-2.000	-.05080	-.20360	.05350	-.07420	-.00780	.00110	.00090
.500	-1.000	-.04800	-.11410	.04610	-.07490	-.00710	.00090	.00070
.500	.000	-.04800	-.02870	.04190	-.07290	-.00700	.00100	.00070
.500	1.000	-.05080	.05380	.04020	-.06860	-.00730	.00120	.00070
.500	2.000	-.04580	.13220	.03970	-.06310	-.00710	.00120	.00070
.500	3.000	-.04230	.21060	.03980	-.05850	-.00700	.00110	.00080
.500	4.000	-.04320	.28780	.04080	-.05400	-.00690	.00090	.00070
.500	5.000	-.04540	.36460	.04290	-.04970	-.00650	.00080	.00060
.500	6.000	-.04510	.44230	.04610	-.04630	-.00610	.00080	.00040
.500	7.000	-.04300	.51750	.05060	-.04130	-.00600	.00090	.00020
.500	8.000	-.04340	.58670	.05750	-.03330	-.00600	.00110	.00010
.500	9.000	-.04600	.65080	.06730	-.02380	-.00630	.00120	.00000
.500	10.000	-.04810	.71120	.08130	-.01580	-.00680	.00140	.00000
.500	11.000	-.04980	.76740	.10030	-.00960	-.00700	.00170	.00000
.500	12.000	-.05290	.82010	.12320	-.00330	-.00750	.00230	.00010
	GRADIENT	.00100	.08068	-.00128	.00387	.00012	-.00002	-.00002

RUN NO. 448/ 0 RN/L = 3.24 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DOSL
.600	-2.000	-.04960	-.21790	.05430	-.08340	-.00730	.00110	.00130
.600	-1.000	-.04890	-.12740	.04670	-.08390	-.00690	.00110	.00100
.600	.000	-.05140	-.03760	.04220	-.08070	-.00690	.00110	.00090
.600	1.000	-.05320	.04590	.04020	-.07570	-.00690	.00110	.00090
.600	2.000	-.05180	.12800	.03960	-.07040	-.00750	.00130	.00080
.600	3.000	-.04920	.21030	.03990	-.06590	-.00750	.00130	.00060
.600	4.000	-.04780	.29240	.04110	-.06240	-.00700	.00120	.00060
.600	5.000	-.04850	.37380	.04360	-.05870	-.00660	.00110	.00050
.600	6.000	-.05130	.45380	.04740	-.05350	-.00600	.00100	.00020
.600	7.000	-.05370	.53050	.05330	-.04640	-.00540	.00080	.00010
.600	8.000	-.05080	.60110	.06310	-.03770	-.00540	.00090	.00000
.600	9.000	-.04670	.66710	.07680	-.03100	-.00650	.00140	.00030
.600	10.000	-.04520	.73020	.09400	-.02700	-.00750	.00200	.00090
.600	11.000	-.04460	.78720	.11470	-.02320	-.00690	.00200	.00110
.600	12.000	-.04430	.83720	.13860	-.01900	-.00620	.00170	.00080
	GRADIENT	.00025	.08413	-.00131	.00393	.00002	.00002	-.00010

CAS K1 F0

V9.1 MINUS ORB TC5 AT38.3

(BGM107) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.9000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-2 = .000
 S3-4 = .000 S5-6 = .000
 TORB = 4.000

RUN NO. 445/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.04750	-.23900	.05660	-.09280	-.00860	.00120	.00140
.700	-1.000	-.04720	-.14450	.04780	-.09230	-.00860	.00120	.00110
.700	.000	-.04760	-.05050	.04220	-.08990	-.00800	.00110	.00090
.700	1.000	-.04740	.03680	.03950	-.08550	-.00720	.00110	.00090
.700	2.000	-.04400	.12350	.03650	-.08230	-.00750	.00140	.00090
.700	3.000	-.04410	.21160	.03890	-.07790	-.00720	.00130	.00080
.700	4.000	-.04470	.29860	.04070	-.07250	-.00650	.00110	.00060
.700	5.000	-.04740	.38240	.04390	-.06560	-.00590	.00110	.00050
.700	6.000	-.04660	.46490	.04940	-.05780	-.00500	.00090	.00050
.700	7.000	-.04170	.54530	.05690	-.05090	-.00430	.00080	.00060
.700	8.000	-.04030	.61860	.07320	-.04660	-.00480	.00090	.00090
.700	9.000	-.04180	.68300	.09090	-.04430	-.00530	.00110	.00100
.700	10.000	-.03890	.74110	.11080	-.04340	-.00480	.00100	.00070
.700	11.000	-.03290	.79550	.13190	-.04200	-.00390	.00090	.00040
.700	12.000	-.03480	.84370	.15420	-.03790	-.00390	.00110	.00080
	GRADIENT	.00032	.08855	-.00161	.00391	.00037	-.00000	-.00011

CA5 K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38.3

(BGM108) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327 8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 ELV-10 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 453/ 0 RN/L = 1.90 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.300	-2.000	-.05200	-.23400	.05530	.10690	-.00370	.00030	.00050
.300	-1.000	-.05640	-.14690	.04800	.08900	-.00420	.00060	.00030
.300	.000	-.05930	-.05860	.04330	.07000	-.00410	.00040	.00020
.300	1.000	-.05860	.02480	.04120	.05120	-.00350	.00010	.00020
.300	2.000	-.05960	.10590	.04050	.03030	-.00310	-.00010	.00020
.300	3.000	-.06180	.18680	.04030	.00810	-.00360	.00000	.00020
.300	4.000	-.06100	.26730	.04080	-.01560	-.00430	.00020	.00010
.300	5.000	-.05760	.34790	.04250	-.03950	-.00420	.00010	-.00010
.300	6.000	-.05550	.42910	.04570	-.06100	-.00380	.00010	-.00040
.300	7.000	-.05670	.50850	.04980	-.07940	-.00320	.00020	-.00070
.300	8.000	-.05830	.58140	.05470	-.09550	-.00270	.00000	-.00090
.300	9.000	-.05860	.64860	.06060	-.10950	-.00330	.00020	-.00070
.300	10.000	-.05840	.71240	.07080	-.12180	-.00480	.00090	.00000
.300	11.000	-.05810	.77350	.08760	-.13270	-.00550	.00150	.00040
.300	12.000	-.05770	.83120	.10910	-.14270	-.00540	.00180	.00000
	GRADIENT	-.00084	.08288	-.00161	-.02089	-.00003	-.00006	-.00006

RUN NO. 452/ 0 RN/L = 2.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.500	-2.000	-.02830	-.25550	.05650	.09950	-.00530	.00020	.00110
.500	-1.000	-.03900	-.16070	.04870	.07880	-.00510	.00050	.00090
.500	.000	-.04420	-.06570	.04360	.06050	-.00500	.00050	.00060
.500	1.000	-.03890	.02260	.04140	.04210	-.00470	.00050	.00050
.500	2.000	-.03940	.10800	.04060	.02250	-.00400	.00030	.00050
.500	3.000	-.04250	.19350	.04070	.00040	-.00390	.00020	.00040
.500	4.000	-.04190	.27810	.04180	-.02300	-.00430	.00020	.00040
.500	5.000	-.04360	.36240	.04410	-.04630	-.00430	.00020	.00020
.500	6.000	-.04720	.44640	.04770	-.06770	-.00390	.00020	.00000
.500	7.000	-.04700	.52750	.05280	-.08410	-.00340	.00020	-.00030
.500	8.000	-.04610	.60140	.06030	-.09470	-.00340	.00030	-.00040
.500	9.000	-.04670	.66880	.07120	-.10310	-.00330	.00030	-.00060
.500	10.000	-.04790	.73350	.08610	-.11350	-.00290	.00030	-.00080
.500	11.000	-.04860	.79520	.10550	-.12390	-.00310	.00070	-.00090
.500	12.000	-.05200	.85320	.12930	-.13350	-.00460	.00180	-.00070
	GRADIENT	-.00139	.08788	-.00156	-.02059	.00018	-.00003	-.00011

ORIGINAL PAGE IS OF POOR QUALITY

CA5 K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38.3

(BGM108) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 451/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.04880	-.26970	.05720	.10170	-.00560	.00060	.00130
.600	-1.000	-.04800	-.17340	.04870	.08180	-.00540	.00060	.00090
.600	.000	-.05080	-.07750	.04350	.06220	-.00560	.00060	.00060
.600	1.000	-.05250	.01290	.04100	.04280	-.00530	.00060	.00050
.600	2.000	-.05080	.10340	.03990	.02320	-.00510	.00060	.00050
.600	3.000	-.05240	.19340	.04010	.00030	-.00460	.00050	.00050
.600	4.000	-.05320	.28100	.04160	-.02320	-.00390	.00030	.00050
.600	5.000	-.04980	.36740	.04440	-.04480	-.00350	.00010	.00040
.600	6.000	-.04750	.45420	.04860	-.06340	-.00280	.00000	.00000
.600	7.000	-.04810	.53770	.05500	-.07720	-.00190	-.00010	-.00030
.600	8.000	-.04470	.61330	.06500	-.08590	-.00170	-.00010	-.00020
.600	9.000	-.04160	.68300	.07880	-.09600	-.00250	.00030	.00000
.600	10.000	-.04530	.74950	.09650	-.11040	-.00330	.00060	.00020
.600	11.000	-.05010	.80980	.11810	-.12450	-.00360	.00100	.00010
.600	12.000	-.04780	.86380	.14290	-.13710	-.00390	.00160	.00020
GRADIENT		-.00043	.09089	-.00162	-.02080	.00030	-.00006	-.00010

RUN NO. 450/ 0 RN/L = 3.54 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.02490	-.29390	.05940	.10460	-.00590	.00020	.00150
.700	-1.000	-.02010	-.19440	.04960	.08560	-.00590	.00030	.00090
.700	.000	-.01990	-.09370	.04330	.06620	-.00570	.00040	.00070
.700	1.000	-.02550	.00220	.04020	.04570	-.00510	.00040	.00080
.700	2.000	-.02610	.09800	.03880	.02410	-.00480	.00050	.00090
.700	3.000	-.02570	.19300	.03880	.00220	-.00470	.00060	.00070
.700	4.000	-.02580	.28560	.04040	-.01910	-.00400	.00040	.00060
.700	5.000	-.02470	.37540	.04390	-.03750	-.00280	.00010	.00050
.700	6.000	-.02480	.46370	.04970	-.05150	-.00170	-.00010	.00030
.700	7.000	-.02910	.54830	.05960	-.06260	-.00160	.00000	.00020
.700	8.000	-.03500	.62400	.07420	-.07460	-.00230	.00030	.00050
.700	9.000	-.03710	.69110	.09240	-.09100	-.00300	.00060	.00090
.700	10.000	-.03480	.75500	.11270	-.11210	-.00290	.00060	.00080
.700	11.000	-.03290	.81530	.13440	-.13310	-.00230	.00040	.00040
.700	12.000	-.03220	.86810	.15790	-.15320	-.00180	.00030	.00060
GRADIENT		-.00054	.09573	-.00202	-.02062	.00041	.00001	-.00010

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38 3

(BGM109) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 JORB = 4.000

RUN NO. 457/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	1.92050	.11900	.02790	.01410	.18110	-.00250	.01080
300	-10.000	1.92570	.11410	.03150	.01690	.14580	-.00020	.00890
.300	-8.000	1.92850	.11040	.03490	.01900	.11350	.00140	.00700
.300	-6.000	1.93080	.10900	.03770	.02230	.08070	.00270	.00510
.300	-4.000	1.93290	.11010	.03970	.02580	.04780	.00370	.00330
.300	-3.000	1.93310	.11170	.04010	.02670	.03280	.00360	.00260
300	-2.000	1.93270	.11330	.04010	.02660	.02020	.00280	.00200
300	-1.000	1.93270	.11450	.04010	.02530	.00910	.00160	.00130
.300	.000	1.93240	.11490	.04020	.02360	-.00230	.00050	.00030
300	1.000	1.93020	.11470	.04050	.02280	-.01490	-.00070	-.00050
.300	2.000	1.92800	.11520	.04060	.02190	-.02900	-.00150	-.00120
.300	3.000	1.92640	.11660	.04030	.02000	-.04410	-.00190	-.00190
300	4.000	1.92520	.11830	.03950	.01800	-.05970	-.00180	-.00270
.300	6.000	1.92360	.12200	.03710	.01450	-.09100	-.00140	-.00440
.300	8.000	1.92200	.12670	.03440	.01140	-.12340	-.00120	-.00580
.300	10.000	1.91930	.13160	.03130	.00890	-.15810	-.00060	-.00730
300	12.000	1.91520	.13600	.02740	.00620	-.19760	.00280	-.00940
GRADIENT		-.00105	.00086	.00002	-.00105	-.01305	-.00082	-.00076

RUN NO. 458/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	1.92320	.11400	.02960	.00800	.18480	-.00220	.01090
.500	-10.000	1.92550	.10680	.03220	.01380	.14710	.00090	.00880
.500	-8.000	1.92790	.10400	.03550	.01570	.11610	.00160	.00720
.500	-6.000	1.93030	.10330	.03840	.01660	.08460	.00220	.00550
.500	-4.000	1.93260	.10350	.04050	.01810	.05110	.00330	.00360
.500	-3.000	1.93290	.10380	.04090	.02020	.03480	.00350	.00280
.500	-2.000	1.93200	.10440	.04080	.02250	.02060	.00290	.00210
.500	-1.000	1.93090	.10530	.04050	.02260	.00840	.00180	.00140
500	.000	1.93040	.10560	.04050	.02050	-.00310	.00060	.00050
.500	1.000	1.93050	.10470	.04080	.01720	-.01590	-.00040	-.00030
.500	2.000	1.93120	.10390	.04110	.01420	-.03030	-.00120	-.00100
.500	3.000	1.93160	.10450	.04100	.01160	-.04620	-.00140	-.00160
.500	4.000	1.93090	.10650	.04040	.00920	-.06280	-.00110	-.00230
.500	6.000	1.92720	.11210	.03800	.00510	-.09590	-.00060	-.00390
.500	8.000	1.92370	.11580	.03500	.00240	-.12790	-.00080	-.00550
.500	10.000	1.92140	.11690	.03190	.00010	-.16080	-.00070	-.00720
500	12.000	1.92070	.11750	.02900	-.00320	-.19980	.00240	-.00930
GRADIENT		-.00021	.00021	.00001	-.00139	-.01374	-.00071	-.00074

ORIGINAL PAGE IS
 OF POOR QUALITY

CAS K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38.3

(BOM109) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 455/ 0 RN/L = 3.23 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	1.91720	.10130	.03010	.01130	.18610	-.00110	.01090
.600	-10.000	1.92050	.09880	.03200	.01110	.14910	.00120	.00900
.600	-8.000	1.92050	.09760	.03520	.01110	.11770	.00190	.00730
.600	-6.000	1.92140	.09640	.03820	.01300	.08610	.00240	.00560
.600	-4.000	1.92400	.09510	.04010	.01660	.05290	.00290	.00380
.600	-3.000	1.92480	.09490	.04040	.01880	.03670	.00290	.00300
.600	-2.000	1.92460	.09550	.04030	.02050	.02180	.00230	.00230
.600	-1.000	1.92430	.09650	.04020	.02130	.00870	.00140	.00150
.600	.000	1.92440	.09740	.04030	.02050	-.00360	.00050	.00060
.600	1.000	1.92410	.09780	.04050	.01760	-.01650	-.00050	-.00030
.600	2.000	1.92320	.09770	.04070	.01370	-.03130	-.00130	-.00110
.600	3.000	1.92200	.09830	.04060	.01040	-.04780	-.00150	-.00180
.600	4.000	1.92070	.10010	.04000	.00690	-.06510	-.00120	-.00260
.600	6.000	1.91860	.10530	.03770	-.00110	-.09910	-.00040	-.00440
.600	8.000	1.91690	.10900	.03470	-.00690	-.13190	-.00030	-.00600
.600	10.000	1.91540	.10950	.03160	-.00780	-.16510	-.00040	-.00770
.600	12.000	1.91410	.10630	.02940	-.00080	-.20370	.00200	-.00980
GRADIENT		-.00041	.00060	.00002	-.00135	-.01428	-.00064	-.00081

RUN NO. 454/ 0 RN/L = 3.55 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	1.91260	.08850	.02960	.01130	.19140	-.00170	.01180
.700	-10.000	1.91160	.09090	.03080	.00550	.15660	-.00040	.01030
.700	-8.000	1.91280	.09210	.03370	.00770	.12380	.00090	.00800
.700	-6.000	1.91480	.09080	.03680	.01210	.09090	.00180	.00590
.700	-4.000	1.91650	.08810	.03900	.01670	.05750	.00200	.00430
.700	-3.000	1.91700	.08730	.03920	.01940	.04070	.00180	.00360
.700	-2.000	1.91710	.08750	.03890	.02250	.02450	.00140	.00290
.700	-1.000	1.91710	.08830	.03940	.02490	.00970	.00110	.00190
.700	.000	1.91700	.08880	.03850	.02470	-.00410	.00060	.00090
.700	1.000	1.91660	.08860	.03890	.01970	-.01780	-.00020	.00000
.700	2.000	1.91630	.08800	.03940	.01370	-.03280	-.00110	-.00070
.700	3.000	1.91600	.08850	.03950	.00940	-.04960	-.00150	-.00140
.700	4.000	1.91500	.09070	.03890	.00430	-.06740	-.00120	-.00230
.700	6.000	1.91240	.09660	.03640	-.00740	-.10290	-.00010	-.00450
.700	8.000	1.91040	.10000	.03310	-.01450	-.13730	.00050	-.00660
.700	10.000	1.90890	.10000	.03020	-.01310	-.17180	.00090	-.00970
.700	12.000	1.90610	.09960	.02900	-.00060	-.21090	.00280	-.01050
GRADIENT		-.00018	.00025	.00003	-.00171	-.01521	-.00048	-.00084

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 HIS.1A V9.1 MINUS ORB TCS AT39.3

(BOM110) (21 JAN 75)

REFERENCE DATA

SREF = 8800.0000 SQ.FT. XMRP = 1339.8100 IN. XC
 LREF = 387.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7800 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-JB = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 461/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.80270	.42360	.03730	-.07560	.18390	-.00220	.01850
.300	-10.000	5.80220	.41960	.03920	-.06890	.14630	-.00010	.01600
.300	-8.000	5.80320	.41150	.04130	-.05930	.11180	.00140	.01310
.300	-6.000	5.80470	.40850	.04330	-.05480	.07820	.00260	.00990
.300	-4.000	5.80520	.41260	.04510	-.05760	.04610	.00330	.00660
.300	-3.000	5.80570	.41630	.04560	-.06000	.03140	.00310	.00510
.300	-2.000	5.80620	.41940	.04590	-.06150	.01860	.00230	.00370
.300	-1.000	5.80620	.42020	.04620	-.06290	.00760	.00110	.00210
.300	.000	5.80570	.41960	.04630	-.06400	-.00320	.00000	.00030
.300	1.000	5.80520	.41960	.04640	-.06320	-.01570	-.00090	-.00130
.300	2.000	5.80470	.41980	.04640	-.06210	-.02990	-.00150	-.00280
.300	3.000	5.80470	.41940	.04630	-.06140	-.04500	-.00170	-.00410
.300	4.000	5.80470	.41850	.04600	-.06110	-.06050	-.00160	-.00560
.300	6.000	5.80370	.41750	.04460	-.06360	-.09200	-.00130	-.00870
.300	8.000	5.80130	.41950	.04270	-.07010	-.12440	-.00120	-.01160
.300	10.000	5.79880	.42220	.04000	-.07620	-.15850	-.00100	-.01430
.300	12.000	5.79680	.41860	.03730	-.07270	-.19640	.00060	-.01690
	GRADIENT	-.00015	.00055	.00012	-.00033	-.01293	-.00073	-.00155

RUN NO. 460/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79690	.42260	.03940	-.07120	.18930	-.00200	.01850
.500	-10.000	5.79740	.42200	.04070	-.06350	.15000	.00020	.01580
.500	-8.000	5.79790	.42020	.04270	-.05810	.11690	.00080	.01320
.500	-6.000	5.79740	.42070	.04490	-.05690	.08340	.00180	.01020
.500	-4.000	5.79740	.42430	.04680	-.05940	.04860	.00320	.00690
.500	-3.000	5.79740	.42800	.04740	-.06120	.03260	.00340	.00530
.500	-2.000	5.79740	.43220	.04770	-.06260	.01950	.00250	.00380
.500	-1.000	5.79790	.43410	.04780	-.06380	.00830	.00120	.00220
.500	.000	5.79790	.43370	.04790	-.06490	-.00290	.00020	.00040
.500	1.000	5.79690	.43250	.04790	-.06610	-.01550	-.00080	-.00120
.500	2.000	5.79590	.43120	.04790	-.06680	-.02990	-.00150	-.00270
.500	3.000	5.79540	.43020	.04770	-.06620	-.04590	-.00180	-.00420
.500	4.000	5.79490	.42930	.04720	-.06520	-.06250	-.00150	-.00570
.500	6.000	5.79390	.42850	.04540	-.06630	-.09590	-.00090	-.00870
.500	8.000	5.79350	.42880	.04330	-.07280	-.12960	-.00110	-.01150
.500	10.000	5.79300	.42840	.04110	-.07960	-.16440	-.00150	-.01420
.500	12.000	5.79350	.42380	.03880	-.07460	-.20310	.00050	-.01730
	GRADIENT	-.00033	.00038	.00005	-.00081	-.01337	-.00074	-.00159

CA5 K1 F0 H15.1A V9.1 MINUS ORB TCS AT38.3

(BGM110) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

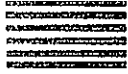
RUN NO. 459/ 0 RN/L = 3.19 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.78910	.42680	.03970	-.06730	.19230	-.00170	.01940
.600	-10.000	5.78810	.43050	.04050	-.06340	.15410	.00000	.01650
.600	-8.000	5.78760	.42890	.04270	-.05620	.11970	.00080	.01380
.600	-6.000	5.78760	.42930	.04520	-.05340	.08520	.00180	.01070
.600	-4.000	5.78810	.43360	.04730	-.05680	.05070	.00290	.00720
.600	-3.000	5.78860	.43670	.04790	-.05950	.03460	.00290	.00550
.600	-2.000	5.78910	.43940	.04800	-.06150	.02060	.00220	.00390
.600	-1.000	5.78860	.44120	.04790	-.06330	.00870	.00110	.00220
.600	.000	5.78810	.44180	.04800	-.06540	-.00270	.00010	.00040
.600	1.000	5.78760	.44120	.04840	-.06710	-.01570	-.00100	-.00140
.600	2.000	5.78760	.44010	.04870	-.06670	-.03080	-.00180	-.00300
.600	3.000	5.78760	.43910	.04860	-.06450	-.04770	-.00180	-.00450
.600	4.000	5.78660	.43860	.04810	-.06340	-.06490	-.00160	-.00600
.600	6.000	5.78420	.43890	.04620	-.06730	-.09860	-.00120	-.00920
.600	8.000	5.78370	.43970	.04390	-.07550	-.13270	-.00120	-.01230
.600	10.000	5.78420	.43930	.04160	-.08160	-.16850	-.00110	-.01540
.600	12.000	5.78320	.42880	.03970	-.07420	-.20890	.00130	-.01810
GRADIENT		-.00022	.00048	.00012	-.00093	-.01394	-.00070	-.00167

RUN NO. 458/ 0 RN/L = 3.53 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78170	.43540	.04020	-.05930	.20000	-.00220	.02090
.700	-10.000	5.77730	.44230	.04020	-.05700	.16450	-.00170	.01860
.700	-8.000	5.77930	.44230	.04300	-.05570	.12630	.00030	.01510
.700	-6.000	5.78120	.44160	.04620	-.05420	.08920	.00200	.01140
.700	-4.000	5.78080	.44300	.04830	-.05240	.05520	.00240	.00780
.700	-3.000	5.77980	.44400	.04870	-.05230	.03950	.00210	.00610
.700	-2.000	5.77880	.44500	.04860	-.05280	.02460	.00140	.00440
.700	-1.000	5.77880	.44610	.04830	-.05320	.01050	.00070	.00240
.700	.000	5.77930	.44730	.04840	-.05510	-.00310	.00020	.00030
.700	1.000	5.77880	.44750	.04900	-.05750	-.01720	-.00060	-.00170
.700	2.000	5.77880	.44710	.04940	-.05880	-.03310	-.00120	-.00340
.700	3.000	5.77830	.44640	.04940	-.06030	-.05040	-.00150	-.00500
.700	4.000	5.77780	.44600	.04900	-.06290	-.06800	-.00140	-.00670
.700	6.000	5.77690	.44680	.04680	-.07120	-.10320	-.00070	-.01020
.700	8.000	5.77540	.44740	.04410	-.07910	-.13930	-.00010	-.01380
.700	10.000	5.77440	.44570	.04170	-.08100	-.17700	.00040	-.01720
.700	12.000	5.77590	.43890	.04080	-.07510	-.21670	.00180	-.01980
GRADIENT		-.00027	.00041	.00012	-.00137	-.01509	-.00054	-.00165

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DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 491

CAS K1 F0 H15.1A V9.1 MINUS ORB TCS AT38.3

(80M111) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO 465/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	7.74950	.56600	.04800	-.11270	.18760	-.00300	.02280
.300	-10.000	7.74710	.56010	.04890	-.10490	.15080	-.00160	.01980
.300	-8.000	7.74950	.55680	.04980	-.09660	.11590	-.00040	.01640
.300	-6.000	7.75150	.55610	.05100	-.09100	.08080	.00100	.01250
.300	-4.000	7.75100	.55840	.05270	-.09040	.04680	.00250	.00820
.300	-3.000	7.75000	.56130	.05330	-.09270	.03160	.00280	.00820
.300	-2.000	7.74900	.56520	.05360	-.09650	.01890	.00190	.00420
.300	-1.000	7.74800	.56810	.05370	-.10030	.00810	.00100	.00200
.300	.000	7.74800	.56880	.05380	-.10200	-.00260	.00020	-.00020
.300	1.000	7.74900	.56730	.05390	-.10010	-.01470	-.00060	-.00230
.300	2.000	7.74900	.56540	.05410	-.09750	-.02920	-.00120	-.00420
.300	3.000	7.74800	.56420	.05400	-.09660	-.04530	-.00140	-.00610
.300	4.000	7.74760	.56380	.05370	-.09650	-.06180	-.00120	-.00800
.300	6.000	7.74610	.56460	.05280	-.09970	-.09420	-.00070	-.01200
.300	8.000	7.74460	.56620	.05170	-.10820	-.12650	-.00080	-.01550
.300	10.000	7.74370	.56510	.05020	-.11530	-.16000	-.00100	-.01850
.300	12.000	7.74320	.55720	.04720	-.10750	-.19760	.00020	-.02140
GRADIENT		-.00031	.00050	.00012	-.00063	-.01307	-.00058	-.00205

RUN NO. 464/ 0 RN/L = 2.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	7.75050	.57350	.05330	-.10420	.19050	-.00240	.02320
.500	-10.000	7.75100	.57720	.05350	-.09970	.15290	-.00050	.02020
.500	-8.000	7.75200	.57840	.05480	-.09350	.11900	-.00020	.01690
.500	-6.000	7.75290	.57640	.05540	-.09000	.08480	.00060	.01310
.500	-4.000	7.75290	.57930	.05770	-.08960	.05010	.00210	.00880
.500	-3.000	7.75240	.58270	.05800	-.09140	.03400	.00240	.00670
.500	-2.000	7.75200	.58650	.05820	-.09430	.02020	.00200	.00470
.500	-1.000	7.75050	.58920	.05820	-.09660	.00830	.00110	.00240
.500	.000	7.75000	.58950	.05830	-.09720	-.00310	.00040	.00000
.500	1.000	7.74950	.58790	.05840	-.09570	-.01570	-.00040	-.00230
.500	2.000	7.75000	.58600	.05850	-.09480	-.03030	-.00110	-.00440
.500	3.000	7.75000	.58490	.05860	-.09510	-.04670	-.00130	-.00630
.500	4.000	7.74900	.58450	.05830	-.09530	-.06390	-.00090	-.00820
.500	6.000	7.74610	.58490	.05710	-.09780	-.09840	-.00020	-.01200
.500	8.000	7.74610	.58610	.05550	-.10590	-.13190	-.00050	-.01580
.500	10.000	7.74850	.58470	.05400	-.11450	-.16560	-.00120	-.01930
.500	12.000	7.74560	.57640	.05270	-.11300	-.20490	.00080	-.02250
GRADIENT		-.00046	.00042	.00008	-.00057	-.01372	-.00051	-.00216

ORIGINAL PAGE IS OF POOR QUALITY

CA5 K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38.3

(BGM111) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10R8 = 4.000

RUN NO. 463/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	7.74560	.58470	.05690	-.10260	.19320	-.00180	.02400
.600	-10.000	7.74220	.59220	.05740	-.09650	.15660	-.00080	.02080
.600	-8.000	7.74510	.58980	.05870	-.08740	.12270	-.00070	.01710
.600	-6.000	7.74710	.58800	.06030	-.08150	.08770	.00020	.01310
.600	-4.000	7.74610	.59090	.06180	-.08130	.05190	.00200	.00860
.600	-3.000	7.74510	.59390	.06240	-.08280	.03590	.00220	.00640
.600	-2.000	7.74510	.59700	.06270	-.08460	.02250	.00130	.00440
.600	-1.000	7.74460	.59880	.06290	-.08650	.01040	.00040	.00230
.600	.000	7.74370	.59900	.06290	-.08870	-.00260	.00000	-.00010
.600	1.000	7.74270	.59820	.06280	-.09070	-.01650	-.00050	-.00230
.600	2.000	7.74220	.59720	.06280	-.09140	-.03140	-.00120	-.00430
.600	3.000	7.74220	.59640	.06270	-.09300	-.04760	-.00150	-.00630
.600	4.000	7.74170	.59590	.06230	-.09860	-.06450	-.00140	-.00830
.600	6.000	7.74020	.59660	.06060	-.09050	-.09950	-.00070	-.01250
.600	8.000	7.74070	.59780	.05890	-.10240	-.13500	-.00050	-.01660
.600	10.000	7.74220	.59650	.05750	-.11550	-.17130	-.00050	-.02030
.600	12.000	7.74170	.58720	.05640	-.10760	-.21060	.00090	-.02350
GRADIENT		-.00057	.00045	.00005	-.00116	-.01418	-.00051	-.00213

RUN NO 462/ 0 RN/L = 3.52 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	7.72900	.59180	.06400	-.09570	.20160	-.00310	.02400
.700	-10.000	7.72410	.59800	.06390	-.09300	.16710	-.00380	.02080
.700	-8.000	7.72510	.60180	.06550	-.08220	.12860	-.00100	.01690
.700	-6.000	7.72660	.60350	.06790	-.07310	.09040	.00150	.01280
.700	-4.000	7.72610	.60470	.07020	-.07070	.05520	.00200	.00860
.700	-3.000	7.72560	.60560	.07080	-.07150	.03960	.00130	.00670
.700	-2.000	7.72560	.60710	.07110	-.07280	.02520	.00030	.00480
.700	-1.000	7.72560	.60910	.07130	-.07570	.01090	.00010	.00270
.700	.000	7.72510	.61070	.07170	-.08030	-.00380	.00040	.00050
.700	1.000	7.72610	.61070	.07190	-.08390	-.01830	.00010	-.00150
.700	2.000	7.72710	.60990	.07170	-.08470	-.03380	-.00060	-.00330
.700	3.000	7.72750	.60860	.07130	-.08330	-.04990	-.00130	-.00520
.700	4.000	7.72710	.60740	.07070	-.08370	-.06670	-.00160	-.00710
.700	6.000	7.72560	.60580	.06900	-.09210	-.10210	-.00090	-.01130
.700	8.000	7.72460	.60540	.06640	-.10340	-.14010	.00050	-.01540
.700	10.000	7.72460	.60270	.06380	-.11170	-.17910	.00160	-.01910
.700	12.000	7.72710	.59120	.06340	-.10820	-.21640	.00100	-.02210
GRADIENT		.00022	.00045	.00009	-.00199	-.01505	-.00040	-.00198

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9 I MINUS ORB TC5 AT38.3

(BGM112) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 470/ 0 RN/L = 1.00 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-2.000	-.01160	-.20860	.05670	.10940	-.00910	.00040	-.00010
.150	-1.000	-.00970	-.09400	.04750	.07170	-.00570	.00030	-.00020
.150	.000	-.01260	-.00390	.04050	.05010	-.00440	-.00010	-.00020
.150	1.000	-.01740	.05850	.03670	.03260	-.00410	-.00040	-.00030
.150	2.000	-.01500	.12610	.03460	.01650	-.00410	-.00050	-.00050
.150	3.000	-.01290	.20700	.03330	-.00630	-.00420	-.00050	-.00050
.150	4.000	-.00920	.28860	.03280	-.03350	-.00430	-.00020	-.00050
.150	5.000	-.00470	.36460	.03330	-.05620	-.00520	.00020	-.00070
.150	6.000	-.00660	.43930	.03440	-.07690	-.00710	.00060	-.00090
.150	7.000	-.01040	.51390	.03600	-.09990	-.00860	.00060	-.00110
.150	8.000	-.00880	.58720	.03910	-.12090	-.00840	.00040	-.00100
.150	9.000	-.00540	.65360	.04340	-.13510	-.00730	.00050	-.00080
.150	10.000	-.00540	.71110	.05170	-.14360	-.00570	.00090	-.00050
.150	11.000	-.00670	.76560	.06670	-.15280	-.00630	.00110	-.00030
.150	12.000	-.00790	.82170	.08620	-.16760	-.00500	.00120	-.00030
	GRADIENT	.00062	.07828	-.00311	-.02227	.00042	-.00006	-.00008

RUN NO. 469/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.00770	-.22880	.05580	.12250	-.00420	.00140	.00020
.300	-1.000	-.00710	-.14050	.04850	.10140	-.00420	.00160	.00010
.300	.000	-.00670	-.05150	.04400	.08100	-.00430	.00150	-.00010
.300	1.000	-.01140	.03080	.04210	.06280	-.00430	.00150	-.00010
.300	2.000	-.00600	.11330	.04100	.03980	-.00370	.00120	.00000
.300	3.000	-.00420	.19560	.04050	.01470	-.00380	.00120	-.00010
.300	4.000	-.00620	.27620	.04110	-.01070	-.00490	.00140	-.00010
.300	5.000	-.00830	.35670	.04280	-.03610	-.00570	.00170	-.00020
.300	6.000	-.00860	.43880	.04590	-.06020	-.00540	.00190	-.00040
.300	7.000	-.00710	.51950	.05010	-.08130	-.00460	.00190	-.00080
.300	8.000	-.00600	.59350	.05500	-.09930	-.00440	.00170	-.00100
.300	9.000	-.00590	.66100	.05980	-.11550	-.00210	.00190	-.00030
.300	10.000	-.00560	.72380	.07000	-.12970	-.00390	.00220	.00010
.300	11.000	-.00480	.78310	.08870	-.14070	-.01140	.00240	-.00050
.300	12.000	-.00790	.84000	.11040	-.15010	-.01430	.00270	-.00100
	GRADIENT	.00016	.08340	-.00166	-.02253	-.00014	-.00000	-.00004

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM112) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.8100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IOR8 = 4.000

RUN NO. 488/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.00970	-.25740	.05930	.11440	-.00580	.00130	.00050
.500	-1.000	-.00700	-.16330	.05030	.09670	-.00530	.00150	.00050
.500	.000	-.00460	-.07000	.04530	.08010	-.00480	.00150	.00040
.500	1.000	-.00580	.01750	.04290	.06050	-.00450	.00140	.00030
.500	2.000	-.00680	.10480	.04210	.03740	-.00430	.00150	.00030
.500	3.000	-.00620	.19140	.04210	.01330	-.00470	.00160	.00030
.500	4.000	-.00530	.27660	.04310	-.01080	-.00480	.00160	.00030
.500	5.000	-.00540	.36120	.04560	-.03570	-.00440	.00160	.00010
.500	6.000	-.00360	.44600	.04930	-.05960	-.00400	.00160	.00000
.500	7.000	-.00180	.52760	.05430	-.07870	-.00400	.00170	-.00020
.500	8.000	-.00290	.60190	.06150	-.09200	-.00390	.00180	-.00030
.500	9.000	-.00470	.66970	.07210	-.10160	-.00370	.00180	-.00040
.500	10.000	-.00220	.73480	.08690	-.11220	-.00320	.00160	-.00070
.500	11.000	-.00070	.79720	.10620	-.12350	-.00330	.00190	-.00090
.500	12.000	-.00180	.85530	.12950	-.13580	-.00490	.00290	-.00080
GRADIENT		.00039	.08811	-.00161	-.02157	.00014	.00004	-.00005

RUN NO. 487/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.00090	-.27250	.05960	.11270	-.00650	.00160	.00080
.600	-1.000	-.00050	-.17680	.05080	.09380	-.00600	.00160	.00050
.600	.000	.00110	-.08150	.04530	.07730	-.00590	.00160	.00040
.600	1.000	.00250	.00860	.04270	.06000	-.00590	.00170	.00030
.600	2.000	-.00070	.09780	.04170	.03800	-.00550	.00160	.00030
.600	3.000	-.00080	.18750	.04190	.01480	-.00510	.00160	.00030
.600	4.000	-.00020	.27590	.04320	-.00850	-.00480	.00160	.00030
.600	5.000	-.00330	.36330	.04590	-.03220	-.00440	.00150	.00010
.600	6.000	-.00640	.45130	.05010	-.05400	-.00370	.00130	-.00010
.600	7.000	-.00570	.53580	.05670	-.06960	-.00300	.00120	-.00020
.600	8.000	-.00350	.61170	.06660	-.07960	-.00290	.00130	-.00030
.600	9.000	-.00380	.68100	.08030	-.09020	-.00370	.00170	-.00020
.600	10.000	-.00440	.74710	.09790	-.10510	-.00450	.00200	.00000
.600	11.000	-.00400	.80770	.11920	-.12110	-.00460	.00220	.00010
.600	12.000	-.00320	.86290	.14330	-.13670	-.00450	.00250	.00020
GRADIENT		-.00029	.09060	-.00173	-.02066	.00028	-.00001	-.00007

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 495

CA5 K1 F0 H15.8 V9.1 MINUS ORB TC5 AT38.3

(BGM112) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 488/ 0 RN/L = 3.87 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	.00260	-.29500	.06150	.10880	-.00630	.00110	.00140
.700	-1.000	.00070	-.19610	.05180	.09210	-.00620	.00110	.00070
.700	.000	.00110	-.09630	.04550	.07540	-.00590	.00120	.00060
.700	1.000	.00100	-.00160	.04200	.05820	-.00550	.00130	.00080
.700	2.000	-.00070	.09380	.04050	.03830	-.00560	.00160	.00080
.700	3.000	.00210	.18830	.04060	.01650	-.00590	.00180	.00060
.700	4.000	.00560	.28090	.04230	-.00600	-.00520	.00160	.00050
.700	5.000	.00210	.37140	.04540	-.02600	-.00400	.00140	.00040
.700	6.000	-.00150	.46070	.05100	-.04020	-.00280	.00110	.00030
.700	7.000	.00340	.54600	.06080	-.05170	-.00220	.00110	.00030
.700	8.000	.01020	.62240	.07520	-.06580	-.00270	.00130	.00060
.700	9.000	.01020	.68950	.09320	-.08410	-.00360	.00160	.00080
.700	10.000	.00700	.75280	.11340	-.10630	-.00360	.00150	.00070
.700	11.000	.00730	.81350	.13510	-.12790	-.00240	.00100	.00030
.700	12.000	.00950	.86720	.15850	-.14860	-.00150	.00070	.00040
GRADIENT		.00027	.09523	-.00210	-.01941	.00025	.00008	-.00010

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38 3

(BGM113) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA I = 2.000 STAB = -3 200
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 10RB = 4.000

RUN NO. 474/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHA W	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	1.92070	.12600	.02900	.01620	.20170	-.01620	01260
.300	-10.000	1.92380	.12000	.03230	.02170	.16370	- 01180	01020
.300	-8.000	1.92660	.11590	.03590	.02900	.12780	- 00790	00810
.300	-6.000	1.92940	.11410	.03920	.03490	.09110	-.00410	00590
.300	-4.000	1.93190	.11410	.04140	.03790	.05410	-.00050	00360
.300	-3.000	1.93260	.11480	.04190	.03880	.03690	.00070	00260
.300	-2.000	1.93250	.11590	.04190	.03960	.02170	00120	00180
.300	-1.000	1.93210	.11690	.04180	.03960	00810	00140	00080
.300	.000	1.93200	.11740	.04210	.03830	-.00530	.00170	- 00030
.300	1.000	1.93150	.11750	.04230	.03600	- 02000	00190	- 00120
.300	2.000	1.93090	.11780	.04240	.03350	-.03610	00240	- 00190
.300	3.000	1.93020	.11860	.04210	.03100	-.05320	00340	- 00280
.300	4.000	1.92920	.12020	.04130	.02840	-.07070	00470	-.00370
.300	6.000	1.92660	.12480	.03870	.02270	-.10630	.00750	-.00580
.300	8.000	1.92430	.12970	.03540	.01710	-.14290	.01000	- 00760
.300	10.000	1.92180	.13450	.03180	.01160	-.18070	01270	- 00920
.300	12.000	1.91740	.13950	.02800	.00640	-.22070	.01710	- 01160
	GRADIENT	-.00036	.00067	.00003	-.00129	-.01522	.00053	- 00091

RUN NO 473/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA W	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	1.91550	.11570	.03040	.00500	.20630	-.01580	01320
.500	-10.000	1.91820	.10890	.03330	.01210	.16620	- 01110	01080
.500	-8.000	1.92100	.10470	.03670	.02130	.13080	- 00790	00850
.500	-6.000	1.92360	.10260	.03980	.02860	.09500	-.00470	.00630
.500	-4.000	1.92580	.10230	.04190	.03290	.05780	-.00110	.00400
.500	-3.000	1.92610	.10260	.04230	.03490	.03980	.00020	00310
.500	-2.000	1.92600	.10320	.04230	.03720	.02340	.00100	00220
.500	-1.000	1.92630	.10400	.04220	.03780	.00870	.00130	.00130
.500	.000	1.92650	.10450	.04230	.03550	-.00540	00180	.00010
.500	1.000	1.92590	.10440	.04250	.03130	-.02050	.00220	- 00090
.500	2.000	1.92530	.10420	.04260	.02760	-.03680	00270	-.00180
.500	3.000	1.92470	.10470	.04230	.02500	-.05440	.00370	-.00260
.500	4.000	1.92370	.10630	.04160	.02270	- 07290	.00510	- 00340
.500	6.000	1.92180	.11150	.03910	.01620	-.11000	.00790	- 00530
.500	8.000	1.91970	.11700	.03600	.00760	-.14620	01010	- 00720
.500	10.000	1.91760	.12110	.03270	-.00170	-.18290	.01250	- 00930
.500	12.000	1.91590	.12310	.02950	-.00800	-.22430	01750	- 01200
	GRADIENT	-.00024	.00041	-.00001	-.00160	-.01592	00066	- 00095

CA5 KI FO H15.8 V9.1 MINUS ORB TC5 AT39.3

(BGM113) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN YMRP = 0000 IN YC
 BREF = 2348 0000 IN ZMRP = 190 7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -3.200
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 10RB = 4 000

RUN NO. 472/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
600	-12.000	1.91310	.10470	.03080	.00360	.20670	-.01510	01370
600	-10.000	1.91770	.10040	.03320	.00570	.16640	- 01080	01120
.600	-9.000	1.91930	.09800	.03670	.01210	.13290	-.00760	.00690
600	-6.000	1.92050	.09570	.03970	.02030	.09740	-.00470	.00670
600	-4.000	1.92270	.09360	.04150	.02850	.06050	- 00170	00440
600	-3.000	1.92400	.09300	.04180	.03260	.04220	-.00050	00340
.600	-2.000	1.92480	.09320	.04180	.03620	.02500	.00030	00250
.600	-1.000	1.92460	.09410	.04170	.03780	.00970	.00090	.00150
.600	.000	1.92380	.09480	.04180	.03700	-.00470	.00150	00040
.600	1.000	1.92270	.09500	.04210	.03330	-.01980	.00190	-.00070
.600	2.000	1.92260	.09520	.04230	.02730	-.03710	.00250	- 00170
600	3.000	1.92290	.09610	.04220	.02180	-.05600	00360	-.00270
.600	4.000	1.92210	.09840	.04150	.01680	-.07520	.00510	-.00370
600	6.000	1.91910	.10450	.03900	.00610	-.11260	.00820	- 00580
600	8.000	1.91720	.10930	.03580	-.00570	-.14930	01070	- 00800
600	10.000	1.91660	.11080	.03260	-.01360	- 018650	01300	-.01020
600	12.000	1.91520	.10870	.03020	-.00900	- 022730	01690	-.01250
GRADIENT		-.00020	.00056	.00004	-.00169	-.01652	00075	-.00102

RUN NO 471/ 0 RN/L = 3.57 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	1.90780	.09320	.03040	.00110	.21390	-.01590	01470
.700	-10.000	1.90770	.09410	.03200	.00010	.17600	- 01270	01250
.700	-8.000	1.90980	.09300	.03530	.00500	.13900	- 00890	.00950
.700	-6.000	1.91250	.09030	.03860	.01350	.10160	- 00540	.00690
.700	-4.000	1.91460	.08720	.04070	.02380	.06410	-.00250	00490
.700	-3.000	1.91530	.08640	.04090	.02890	.04550	- 00140	00400
.700	-2.000	1.91560	.08640	.04060	.03300	.02750	- 00060	00310
.700	-1.000	1.91560	.08660	.04030	.03640	.01030	00040	.00190
.700	.000	1.91560	.08610	.04040	.03750	-.00580	.00150	.00060
.700	1.000	1.91550	.08590	.04080	.03340	- 02150	.00220	- 00050
.700	2.000	1.91620	.08590	.04130	.02740	-.03850	00270	-.00150
.700	3.000	1.91470	.08670	.04150	.02180	-.05730	.00370	-.00250
.700	4.000	1.91350	.08900	.04090	.01460	-.07700	.00510	- 00360
.700	6.000	1.90980	.09580	.03810	-.00340	-.11660	00850	-.00610
.700	8.000	1.90810	.10080	.03450	-.01790	-.15530	01170	-.00880
.700	10.000	1.90820	.10280	.03140	-.02240	-.19360	.01460	-.01130
.700	12.000	1.90690	.10300	.03010	-.01120	-.23500	01820	-.01350
GRADIENT		-.00012	00011	.00007	-.00120	- 01728	00090	-.00108

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OF POOR QUALITY

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(8GM114) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 484/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-12.000	5.81450	.41750	.02920	-.07790	.20330	-.01500	.01990
.150	-10.000	5.81400	.41590	.03210	-.06720	.16290	-.01140	.01750
.150	-8.000	5.81590	.41000	.03360	-.06000	.12300	-.00830	.01380
.150	-6.000	5.81790	.40700	.03480	-.05300	.08400	-.00500	.00960
.150	-4.000	5.81790	.41010	.03590	-.04780	.04760	-.00160	.00550
.150	-3.000	5.81690	.41410	.03620	-.04800	.03150	-.00030	.00380
.150	-2.000	5.81640	.41880	.03600	-.05220	.01760	.00050	.00240
.150	-1.000	5.81590	.42130	.03560	-.06000	.00500	.00090	.00090
.150	.000	5.81540	.42140	.03540	-.06580	-.00920	.00190	-.00100
.150	1.000	5.81590	.42040	.03570	-.06600	-.02640	.00330	-.00340
.150	2.000	5.81540	.41880	.03650	-.06390	-.04290	.00440	-.00510
.150	3.000	5.81490	.41740	.03650	-.06250	-.05930	.00520	-.00660
.150	4.000	5.81450	.41620	.03530	-.06260	-.07600	.00600	-.00810
.150	6.000	5.81350	.41630	.03180	-.06580	-.11020	.00790	-.01100
.150	8.000	5.81250	.42050	.02930	-.07080	-.14610	.01040	-.01390
.150	10.000	5.81200	.42650	.02840	-.07650	-.18390	.01320	-.01650
.150	12.000	5.81010	.42840	.02730	-.08180	-.22260	.01570	-.01930
	GRADIENT	-.00036	.00056	-.00001	-.00220	-.01532	.00095	-.00175

RUN NO 479/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.80910	.43120	.03660	-.07780	.20550	-.01700	.01910
.300	-10.000	5.80910	.42820	.03930	-.07160	.16540	-.01300	.01650
.300	-8.000	5.81100	.42260	.04150	-.06230	.12760	-.00930	.01340
.300	-6.000	5.81300	.42070	.04350	-.05650	.08960	-.00560	.01010
.300	-4.000	5.81300	.42420	.04540	-.05690	.05190	-.00220	.00670
.300	-3.000	5.81200	.42750	.04610	-.05880	.03460	-.00090	.00510
.300	-2.000	5.81100	.43070	.04640	-.06090	.01930	-.00010	.00350
.300	-1.000	5.81010	.43280	.04650	-.06360	.00540	.00070	.00170
.300	.000	5.81050	.43350	.04650	-.06570	-.00890	.00180	-.00030
.300	1.000	5.81100	.43290	.04650	-.06510	-.02460	.00300	-.00210
.300	2.000	5.81100	.43230	.04630	-.06360	-.04150	.00420	-.00370
.300	3.000	5.81050	.43210	.04610	-.06300	-.05880	.00540	-.00520
.300	4.000	5.81010	.43180	.04560	-.06350	-.07620	.00660	-.00680
.300	6.000	5.80850	.43230	.04380	-.06940	-.11160	.00900	-.01000
.300	8.000	5.80660	.43520	.04150	-.08060	-.14740	.01120	-.01290
.300	10.000	5.80570	.43770	.03890	-.08930	-.18430	.01330	-.01550
.300	12.000	5.80520	.43360	.03580	-.08120	-.22360	.01600	-.01820
	GRADIENT	-.00025	.00079	.00001	-.00077	-.01574	.00108	-.00172

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BOM114) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = .6.000 STAB = -3.200
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 478/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.80270	.42760	.03900	-.06850	.21240	-.01660	.01910
.500	-10.000	5.80370	.42680	.04090	-.06180	.17070	-.01290	.01640
.500	-8.000	5.80520	.42430	.04330	-.05400	.13310	-.01010	.01360
.500	-6.000	5.80660	.42440	.04570	-.05010	.09530	-.00680	.01050
.500	-4.000	5.80660	.42810	.04780	-.05140	.05690	-.00270	.00710
.500	-3.000	5.80660	.43150	.04860	-.05370	.03890	-.00110	.00540
.500	-2.000	5.80620	.43530	.04900	-.05620	.02300	-.00010	.00370
.500	-1.000	5.80570	.43740	.04920	-.05810	.00890	.00060	.00200
.500	.000	5.80570	.43720	.04920	-.05910	-.00550	.00160	.00010
.500	1.000	5.80520	.43580	.04920	-.05970	-.02180	.00270	-.00170
.500	2.000	5.80420	.43450	.04910	-.06040	-.03930	.00390	-.00330
.500	3.000	5.80370	.43350	.04870	-.06070	-.05760	.00520	-.00490
.500	4.000	5.80370	.43290	.04800	-.06110	-.07610	.00670	-.00650
.500	6.000	5.80320	.43300	.04600	-.06530	-.11310	.00940	-.00960
.500	8.000	5.80220	.43420	.04350	-.07440	-.15020	.01130	-.01250
.500	10.000	5.80080	.43400	.04090	-.08120	-.18790	.01300	-.01530
.500	12.000	5.80220	.42840	.03820	-.07130	-.22790	.01650	-.01810
GRADIENT		-.00041	.00037	.00002	-.00118	-.01628	.00111	-.00172

RUN NO. 477/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.79890	.43380	.04010	-.07840	.21480	-.01650	.02040
.600	-10.000	5.79740	.43580	.04120	-.06560	.17450	-.01330	.01740
.600	-8.000	5.79930	.43170	.04340	-.05040	.13670	-.01050	.01430
.600	-6.000	5.80080	.43080	.04610	-.04350	.09840	-.00710	.01100
.600	-4.000	5.80030	.43530	.04850	-.04690	.05980	-.00330	.00740
.600	-3.000	5.80030	.43840	.04920	-.04970	.04150	-.00170	.00560
.600	-2.000	5.79980	.44070	.04960	-.05150	.02510	-.00060	.00400
.600	-1.000	5.79980	.44240	.04970	-.05320	.01020	.00020	.00220
.600	.000	5.79930	.44300	.04990	-.05560	-.00450	.00130	.00020
.600	1.000	5.79880	.44260	.05000	-.05830	-.02030	.00220	-.00180
.600	2.000	5.79880	.44180	.05000	-.06900	-.03930	.00330	-.00350
.600	3.000	5.79930	.44090	.04970	-.05770	-.05780	.00490	-.00510
.600	4.000	5.79930	.44040	.04910	-.05740	-.07740	.00660	-.00680
.600	6.000	5.79790	.44060	.04720	-.06200	-.11560	.00940	-.01000
.600	8.000	5.79790	.44130	.04470	-.07030	-.15320	.01140	-.01310
.600	10.000	5.79790	.43990	.04220	-.07760	-.19140	.01330	-.01610
.600	12.000	5.79740	.43200	.04030	-.07500	-.23380	.01690	-.01910
GRADIENT		-.00017	.00050	.00008	-.00143	-.01673	.00115	-.00180

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT39.3

(BGM114) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -3 200
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 476/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78420	.43940	.04100	-.06610	.22300	-.01670	.02200
.700	-10.000	5.78420	.44570	.04120	-.06300	.18470	-.01470	.01920
.700	-8.000	5.78710	.44350	.04360	-.05360	.14430	-.01130	.01580
.700	-6.000	5.78910	.44100	.04670	-.04530	.10380	-.00780	.01200
.700	-4.000	5.78910	.44170	.04930	-.04110	.06480	-.00410	.00810
.700	-3.000	5.78860	.44330	.04990	-.04140	.04630	-.00270	.00620
.700	-2.000	5.78810	.44520	.04990	-.04270	.02890	-.00150	.00440
.700	-1.000	5.78860	.44670	.04980	-.04290	.01240	-.00030	.00240
.700	.000	5.78910	.44750	.05010	-.04350	-.00390	.00110	.00020
.700	1.000	5.78910	.44740	.05060	-.04710	-.02100	.00230	-.00190
.700	2.000	5.78860	.44670	.05090	-.05020	-.03970	.00360	-.00380
.700	3.000	5.78860	.44600	.05070	-.05090	-.05960	.00500	-.00550
.700	4.000	5.78860	.44560	.05000	-.05180	-.07960	.00660	-.00720
.700	6.000	5.78810	.44640	.04760	-.05970	-.11920	.00980	-.01070
.700	8 000	5.78660	.44860	.04470	-.07390	-.15930	.01250	-.01440
.700	10.000	5.78520	.44880	.04220	-.08560	-.19960	.01480	-.01800
.700	12 000	5.78660	.44060	.04100	-.07640	-.23950	.01700	-.02060
	GRADIENT	-.00001	.00046	.00013	-.00151	-.01776	.00131	-.00195

CAS K1 F0 H15.8 V9.1 MINUS ORB TCS AT38.3

(BOM115) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN, XC
 LREF = 327 8000 IN YMRP = .0000 IN, YC
 BREF = 2348 0000 IN. ZMRP = 190,7500 IN, ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = 000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = 000 TORB = 4 000

RUN NO. 483/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	7.74660	.57000	.04760	-.11390	.20900	-.01780	.02280
300	-10.000	7.74850	.56650	.04900	-.11040	.17080	-.01520	.02000
.300	-8.000	7.75000	.56340	.05060	-.10010	.13320	-.01210	.01670
.300	-6.000	7.75100	.56230	.05210	-.09170	.09420	-.00830	.01280
.300	-4.000	7.75150	.56370	.05340	-.08960	.05490	-.00400	.00830
.300	-3.000	7.75150	.56640	.05410	-.09130	.03680	-.00210	.00610
.300	-2.000	7.75150	.57010	.05480	-.09470	.02080	-.00070	.00400
.300	-1.000	7.75050	.57270	.05500	-.09900	.00650	.00050	.00170
300	000	7.74900	.57340	.05500	-.10180	-.00760	.00190	-.00060
.300	1.000	7.74760	.57240	.05480	-.10070	-.02330	.00320	-.00280
.300	2.000	7.74800	.57090	.05440	-.09780	-.04090	.00480	-.00490
.300	3.000	7.74850	.57010	.05400	-.09610	-.05960	.00650	-.00690
.300	4.000	7.74900	.57010	.05360	-.09640	-.07840	.00810	-.00890
300	6.000	7.74760	.57190	.05250	-.10300	-.11480	.01070	-.01280
300	8.000	7.74660	.57400	.05120	-.11420	-.15020	.01240	-.01620
300	10.000	7.74560	.57330	.04930	-.12170	-.18610	.01380	-.01910
300	12.000	7.74660	.56520	.04630	-.11200	-.22610	.01620	-.02210
GRADIENT		-.00048	.00063	-.00001	-.00082	-.01626	.00146	-.00217

RUN NO. 482/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	7.73580	.57690	.05290	-.10510	.21420	-.01780	.02330
.500	-10.000	7.73340	.58070	.05320	-.09920	.17420	-.01450	.02050
.500	-8.000	7.73730	.57930	.05490	-.09100	.13780	-.01260	.01720
.500	-6.000	7.74070	.57890	.05680	-.08510	.09990	-.00940	.01330
.500	-4.000	7.74070	.58200	.05840	-.08380	.06010	-.00460	.00900
.500	-3.000	7.73970	.58500	.05900	-.08610	.04100	-.00240	.00690
.500	-2.000	7.73970	.58850	.05950	-.08980	.02420	-.00090	.00470
.500	-1.000	7.74020	.59120	.05960	-.09230	.00920	.00030	.00240
.500	.000	7.74120	.59200	.05960	-.09260	-.00570	.00170	-.00020
.500	1.000	7.74070	.59090	.05960	-.09140	-.02180	.00300	-.00270
.500	2.000	7.74070	.58880	.05950	-.09090	-.03950	.00450	-.00480
.500	3.000	7.74070	.58710	.05930	-.09130	-.05860	.00620	-.00680
.500	4.000	7.74120	.58620	.05980	-.09160	-.07820	.00810	-.00870
.500	6.000	7.74170	.58760	.05700	-.09540	-.11680	.01120	-.01250
.500	8.000	7.74020	.59060	.05510	-.10690	-.15400	.01300	-.01630
.500	10.000	7.73880	.58950	.05350	-.11640	-.19080	.01410	-.01980
.500	12.000	7.74070	.57660	.05250	-.10290	-.23110	.01690	-.02260
GRADIENT		.00013	.00039	.00004	-.00080	-.01684	.00150	-.00227

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM115) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -3.200
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 TORB = 4 000

RUN NO. 481/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	OCLM	DCY	DCLN	DCSL
.600	-12.000	7.73340	.58760	.05680	-.10220	.21710	-.01710	.02430
.600	-10.000	7.73190	.59350	.05740	-.09810	.17900	-.01520	.02110
.600	-8.000	7.73440	.58970	.05890	-.08250	.14230	-.01330	.01750
.600	-6.000	7.73580	.58740	.06090	-.07270	.10350	-.00980	.01330
.600	-4.000	7.73490	.59080	.06290	-.07420	.06290	-.00500	.00880
.600	-3.000	7.73390	.59390	.06360	-.07760	.04410	-.00300	.00660
.600	-2.000	7.73340	.59660	.06410	-.07990	.02760	-.00180	.00450
.600	-1.000	7.73390	.59810	.06420	-.08080	.01230	-.00060	.00230
.600	.000	7.73340	.59830	.06420	-.08170	-.00380	.00110	-.00010
.600	1.000	7.73290	.59720	.06400	-.08230	-.02120	.00270	-.00240
.600	2.000	7.73190	.59600	.06360	-.08250	-.03950	.00430	-.00460
.600	3.000	7.73190	.59530	.06330	-.08260	-.05860	.00600	-.00670
.600	4.000	7.73190	.59550	.06270	-.08280	-.07810	.00780	-.00870
.600	6.000	7.73240	.59700	.06120	-.08700	-.11770	.01110	-.01280
.600	8.000	7.73190	.59760	.05910	-.09830	-.15680	.01330	-.01680
.600	10.000	7.73100	.59500	.05740	-.10760	-.19600	.01470	-.02050
.600	12.000	7.73140	.59530	.05660	-.09420	-.23660	.01700	-.02330
GRADIENT		.00037	.00035	-.00005	-.00094	-.01733	.00156	-.00221

RUN NO. 480/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	OCLM	DCY	DCLN	DCSL
.700	-12.000	7.72750	.58990	.06370	-.08450	.22380	-.01760	.02420
.700	-10.000	7.72120	.59840	.06350	-.09160	.18820	-.01740	.02120
.700	-8.000	7.72360	.59960	.06530	-.07290	.14840	-.01370	.01710
.700	-6.000	7.72610	.59980	.06800	-.05880	.10700	-.00920	.01280
.700	-4.000	7.72560	.60220	.07060	-.06040	.06650	-.00520	.00880
.700	-3.000	7.72510	.60380	.07140	-.06330	.04770	-.00390	.00690
.700	-2.000	7.72610	.60510	.07180	-.06430	.03040	-.00280	.00490
.700	-1.000	7.72750	.60680	.07220	-.06560	.01350	-.00130	.00280
.700	.000	7.72850	.60840	.07270	-.06940	-.00370	.00100	.00050
.700	1.000	7.72850	.60880	.07280	-.07430	-.02150	.00290	-.00150
.700	2.000	7.72750	.60810	.07240	-.07660	-.04010	.00430	-.00340
.700	3.000	7.72750	.60680	.07180	-.07510	-.05930	.00560	-.00530
.700	4.000	7.72750	.60560	.07100	-.07430	-.07900	.00710	-.00720
.700	6.000	7.72710	.60470	.06870	-.08290	-.11980	.01090	-.01140
.700	8.000	7.72610	.60560	.06590	-.10090	-.16160	.01450	-.01570
.700	10.000	7.72560	.60430	.06370	-.11670	-.20250	.01670	-.01980
.700	12.000	7.72750	.59310	.06380	-.10660	-.23990	.01630	-.02270
GRADIENT		.00031	.00051	.00008	-.00207	-.01798	.00160	-.00202

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 11/11/75 10:00 AM

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38 3

(BGM116) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327,8000 IN YMRP = .0000 IN YC
 BREF = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = 000
 ELV-19 = .000 ELV-08 = 3 000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 10RB = 4.000

RUN NO. 488/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.300	-2.000	-.03220	-.17570	.05430	-.07280	-.00520	.00130	.00000
.300	-1.000	-.03210	-.08660	.04780	-.09450	-.00590	.00170	-.00010
.300	.000	-.02890	.00210	.04400	-.11790	-.00570	.00160	-.00020
.300	1.000	-.02920	.08710	.04240	-.13940	-.00480	.00130	-.00020
.300	2.000	-.02970	.16980	.04220	-.16130	-.00480	.00120	-.00030
.300	3.000	-.02900	.25100	.04280	-.18550	-.00580	.00150	-.00040
.300	4.000	-.02950	.32990	.04430	-.21000	-.00640	.00160	-.00030
.300	5.000	-.03090	.41000	.04690	-.23440	-.00610	.00160	-.00040
.300	6.000	-.03000	.49170	.05060	-.25690	-.00560	.00160	-.00070
.300	7.000	-.02720	.57340	.05590	-.27790	-.00520	.00160	-.00100
.300	8.000	-.02540	.64790	.06170	-.29610	-.00510	.00160	-.00100
.300	9.000	-.02590	.71410	.06840	-.31130	-.00560	.00180	-.00070
.300	10.000	-.03010	.77670	.07940	-.32400	-.00610	.00210	-.00030
.300	11.000	-.03130	.83650	.09650	-.33460	-.00630	.00240	-.00010
.300	12.000	-.02750	.89380	.11880	-.34380	-.00660	.00280	-.00030
GRADIENT		.00025	.08347	-.00087	-.02302	-.00011	.00001	-.00005

RUN NO. 487/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHA	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.500	-2.000	-.02190	-.20390	.05800	-.07570	-.00600	.00110	.00050
.500	-1.000	-.02510	-.10960	.04940	-.10090	-.00560	.00130	.00050
.500	.000	-.02950	-.01550	.04550	-.12300	-.00510	.00130	.00030
.500	1.000	-.03040	.07440	.04380	-.14410	-.00490	.00130	.00020
.500	2.000	-.02980	.16020	.04370	-.16630	-.00490	.00150	.00020
.500	3.000	-.02860	.24570	.04460	-.19080	-.00510	.00150	.00020
.500	4.000	-.02450	.33150	.04650	-.21580	-.00540	.00160	.00020
.500	5.000	-.01960	.41620	.04970	-.23960	-.00550	.00160	.00000
.500	6.000	-.01750	.49990	.05420	-.26060	-.00520	.00160	-.00020
.500	7.000	-.02010	.58100	.06010	-.27780	-.00470	.00160	-.00030
.500	8.000	-.02320	.65530	.06810	-.29050	-.00460	.00170	-.00040
.500	9.000	-.02190	.72260	.07950	-.29900	-.00470	.00170	-.00040
.500	10.000	-.02150	.78660	.09510	-.30620	-.00410	.00160	-.00060
.500	11.000	-.02180	.84800	.11550	-.31490	-.00380	.00180	-.00080
.500	12.000	-.02220	.90550	.13960	-.32520	-.00510	.00260	-.00080
GRADIENT		.00027	.08828	-.00073	-.02318	.00005	.00007	-.00006

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(B0H116) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 486/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.600	-2.000	-.02260	-.22240	.05740	-.07030	-.00700	.00150	.00070
.600	-1.000	-.02170	-.12530	.05000	-.09640	-.00640	.00140	.00030
.600	.000	-.02390	-.02950	.04560	-.12060	-.00630	.00140	.00020
.600	1.000	-.02490	.06290	.04370	-.14210	-.00630	.00150	.00010
.600	2.000	-.02360	.15250	.04350	-.16470	-.00630	.00160	.00020
.600	3.000	-.02260	.24230	.04450	-.18840	-.00590	.00160	.00020
.600	4.000	-.02550	.33070	.04670	-.21280	-.00560	.00160	.00020
.600	5.000	-.03090	.41780	.05020	-.23560	-.00520	.00150	.00000
.600	6.000	-.03110	.50460	.05520	-.25370	-.00420	.00130	-.00020
.600	7.000	-.02630	.58950	.06220	-.26650	-.00320	.00110	-.00030
.600	8.000	-.02390	.66360	.07290	-.27650	-.00320	.00120	-.00050
.600	9.000	-.02510	.73210	.08750	-.28630	-.00400	.00140	-.00040
.600	10.000	-.02620	.79750	.10590	-.29690	-.00450	.00170	-.00010
.600	11.000	-.02420	.85780	.12770	-.30630	-.00440	.00180	.00020
.600	12.000	-.02250	.91140	.15220	-.31430	-.00440	.00220	.00020
	GRADIENT	-.00086	.09123	-.00084	-.02339	.00021	.00020	-.00006

RUN NO. 485/ 0 RN/L = 3.60 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.700	-2.000	-.00620	-.24900	.05970	-.06220	-.00660	.00110	.00110
.700	-1.000	-.00510	-.14800	.05090	-.08630	-.00650	.00100	.00050
.700	.000	-.00640	-.04570	.04540	-.11060	-.00630	.00110	.00040
.700	1.000	-.00750	.05010	.04280	-.13200	-.00600	.00130	.00060
.700	2.000	-.00640	.14480	.04210	-.15360	-.00610	.00150	.00060
.700	3.000	-.00550	.24010	.04300	-.17740	-.00590	.00160	.00050
.700	4.000	-.00570	.33350	.04560	-.20140	-.00500	.00140	.00040
.700	5.000	-.01120	.42370	.04960	-.22080	-.00400	.00120	.00040
.700	6.000	-.02290	.51200	.05600	-.23420	-.00290	.00100	.00020
.700	7.000	-.03200	.59670	.06670	-.24430	-.00230	.00090	.00020
.700	8.000	-.03150	.67230	.08180	-.25370	-.00280	.00110	.00060
.700	9.000	-.02550	.73770	.10030	-.26590	-.00350	.00140	.00080
.700	10.000	-.02140	.79930	.12060	-.28050	-.00340	.00130	.00070
.700	11.000	-.01980	.85890	.14260	-.29490	-.00260	.00100	.00030
.700	12.000	-.01870	.91140	.16660	-.31030	-.00200	.00080	.00020
	GRADIENT	-.00041	.09605	-.00125	-.02271	.00032	.00005	-.00006

DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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CAS KI F0 H15.0 V9.1 MINUS ORB TCS AT38.3

(BGM117) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 493/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.150	-2.000	-.02600	-.21710	.05590	.06200	-.00470	.00030	.00050
.150	-1.000	-.03140	-.09150	.04700	.02210	-.00240	.00010	.00020
.150	.000	-.03950	-.01050	.04070	.00000	-.00240	-.00020	-.00010
.150	1.000	-.03980	.05230	.03710	-.01440	-.00200	-.00030	-.00020
.150	2.000	-.04080	.12010	.03520	-.03390	-.00200	-.00050	-.00010
.150	3.000	-.03920	.20200	.03420	-.05940	-.00300	-.00050	-.00020
.150	4.000	-.03160	.28550	.03400	-.08340	-.00450	-.00020	-.00050
.150	5.000	-.02570	.36200	.03460	-.10400	-.00570	.00020	-.00070
.150	6.000	-.02500	.43570	.03610	-.12490	-.00650	.00060	-.00080
.150	7.000	-.02600	.51060	.03800	-.14770	-.00610	.00070	-.00080
.150	8.000	-.02470	.58200	.04090	-.16890	-.00600	.00040	-.00070
.150	9.000	-.02620	.64700	.04560	-.18440	-.00720	.00040	-.00070
.150	10.000	-.03080	.70790	.05480	-.19540	-.00790	.00090	-.00060
.150	11.000	-.03360	.76750	.07010	-.20640	-.00670	.00110	-.00030
.150	12.000	-.03230	.82330	.08940	-.21970	-.00480	.00110	-.00030
	GRADIENT	.00002	.07910	-.00280	-.02247	-.00023	-.00004	-.00014

RUN NO. 492/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCLSL
.300	-2.000	-.02340	-.22020	.05540	.06710	-.00460	.00150	.00020
.300	-1.000	-.02700	-.13140	.04650	.04670	-.00440	.00170	.00010
.300	.000	-.02970	-.04130	.04420	.02530	-.00370	.00150	.00000
.300	1.000	-.02540	.04250	.04220	.00330	-.00360	.00140	.00000
.300	2.000	-.02700	.12390	.04140	-.01920	-.00360	.00120	.00000
.300	3.000	-.03160	.20600	.04120	-.04250	-.00410	.00130	-.00010
.300	4.000	-.03160	.28700	.04210	-.06770	-.00480	.00150	-.00010
.300	5.000	-.03140	.36740	.04410	-.09370	-.00500	.00160	-.00020
.300	6.000	-.03130	.44870	.04710	-.11740	-.00430	.00160	-.00050
.300	7.000	-.02900	.52910	.05140	-.13740	-.00360	.00170	-.00070
.300	8.000	-.03020	.60350	.05670	-.15520	-.00320	.00170	-.00080
.300	9.000	-.03650	.67170	.06300	-.17210	-.00390	.00190	-.00040
.300	10.000	-.04100	.73530	.07330	-.18660	-.00530	.00250	.00020
.300	11.000	-.03730	.79490	.09010	-.19740	-.00590	.00300	.00040
.300	12.000	-.02800	.85170	.11150	-.20640	-.00550	.00320	.00000
	GRADIENT	-.00103	.08367	-.00144	-.02290	-.00007	-.00001	-.00005

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT3B.3

(BGM117) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 491/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.03600	-.24570	.05750	.06250	-.00570	.00120	.00060
.500	-1.000	-.03700	-.15060	.04980	.04080	-.00530	.00140	.00050
.500	.000	-.03520	-.05570	.04530	.02020	-.00480	.00140	.00040
.500	1.000	-.03020	.03230	.04330	-.00090	-.00440	.00140	.00020
.500	2.000	-.02940	.11900	.04250	-.02320	-.00440	.00150	.00020
.500	3.000	-.02980	.20630	.04280	-.04810	-.00490	.00160	.00020
.500	4.000	-.02930	.29170	.04400	-.07300	-.00530	.00170	.00020
.500	5.000	-.03000	.37570	.04660	-.09720	-.00510	.00160	.00010
.500	6.000	-.02910	.46020	.05050	-.11990	-.00460	.00160	-.00010
.500	7.000	-.02650	.54210	.05580	-.13910	-.00420	.00170	-.00030
.500	8.000	-.02630	.61640	.06330	-.15020	-.00430	.00180	-.00030
.500	9.000	-.02700	.68440	.07400	-.15930	-.00430	.00190	-.00040
.500	10.000	-.02890	.74940	.08900	-.16950	-.00380	.00180	-.00060
.500	11.000	-.02950	.81070	.10860	-.18030	-.00370	.00200	-.00060
.500	12.000	-.02670	.86810	.13190	-.19170	-.00500	.00280	-.00050
GRADIENT		.00116	.08850	-.00135	-.02279	.00005	.00006	-.00007

RUN NO. 490/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.03720	-.26010	.05890	.06070	-.00650	.00150	.00080
.600	-1.000	-.03320	-.16490	.05060	.04260	-.00580	.00130	.00050
.600	.000	-.03150	-.06870	.04530	.02300	-.00600	.00150	.00020
.600	1.000	-.03220	.02270	.04290	.00060	-.00630	.00170	.00010
.600	2.000	-.03520	.11410	.04200	-.02330	-.00600	.00170	.00010
.600	3.000	-.03570	.20400	.04240	-.04650	-.00540	.00160	.00020
.600	4.000	-.03500	.29160	.04420	-.06980	-.00490	.00150	.00020
.600	5.000	-.03570	.37840	.04730	-.09300	-.00450	.00150	.00010
.600	6.000	-.03430	.46580	.05160	-.11370	-.00380	.00130	-.00020
.600	7.000	-.03150	.55030	.05810	-.12860	-.00320	.00130	-.00040
.600	8.000	-.03200	.62650	.06860	-.13930	-.00360	.00150	-.00030
.600	9.000	-.03200	.69600	.08310	-.14960	-.00450	.00190	.00010
.600	10.000	-.02830	.76260	.10060	-.16320	-.00470	.00200	.00030
.600	11.000	-.02350	.82350	.12140	-.17710	-.00420	.00200	.00020
.600	12.000	-.02320	.87760	.14560	-.19020	-.00410	.00230	.00030
GRADIENT		-.00017	.09121	-.00146	-.02227	.00025	.00002	-.00008

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 507

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM117) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
LREF = 327.8000 IN. YMRP = .0000 IN. YC
BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
SCALE = 0300

PARAMETRIC DATA

BETA = 000 STAB = -2 000
RUD-U = 000 RUD-L = 000
ELV-18 = .000 ELV-08 = 3 000
S1-2 = .000 S3-4 = 000
S5-6 = .000 10RB = 4 000

RUN NO. 489/ 0 RN/L = 3.65 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	OCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.03300	-.28270	.06070	.05870	- .00660	.00120	00110
.700	-1.000	- .03250	-.18340	.05130	.03920	-.00660	00120	.00060
.700	.000	-.03140	-.08320	.04520	.02030	-.00630	.00120	00050
.700	1.000	-.03450	.01200	.04200	.00290	-.00580	.00130	.00050
.700	2.000	- .03230	.10660	.04090	- .01790	-.00560	.00150	00050
.700	3 000	-.03090	.20230	.04130	-.04180	-.00570	.00170	.00040
.700	4.000	- .03030	.29530	.04300	-.06560	-.00520	.00160	00040
.700	5 000	-.02980	.38840	.04650	- .08500	-.00420	.00130	.00030
.700	6 000	- .02840	.47460	.05240	-.09810	-.00290	.00100	00010
.700	7.000	-.02640	.55890	.06220	-.10840	-.00220	.00100	00020
.700	8 000	-.02470	.63490	.07670	-.12140	- .00260	.00120	00050
.700	9 000	-.02440	.70230	.09500	-.13860	- .00350	.00150	00070
.700	10 000	-.02380	.76590	.11510	-.15810	- .00370	.00150	00080
.700	11 000	-.02370	.82640	.13660	-.17660	-.00270	.00110	00050
.700	12 000	-.02330	.88040	.16020	-.19590	- .00180	.00080	00050
	GRADIENT	.00044	.09563	-.00183	-.02068	.00031	.00005	-.00008

CA5 K1 F0 H15.6 V9 1 MINUS ORB TC5 AT38.3

(BGM118) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

ALPHA1 = 6 000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = 000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 498/ 0 RN/L = 1.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.150	-12.000	5.79880	.43990	.02980	-.13700	.19730	-.01430	.01990
.150	-10.000	5.79830	.43820	.03180	-.13490	.15980	-.01100	.01750
.150	-8.000	5.80180	.43290	.03380	-.12680	.11830	-.00800	.01370
.150	-6.000	5.80420	.42990	.03540	-.11750	.07920	-.00480	.00950
.150	-4.000	5.80420	.43180	.03640	-.11240	.04480	-.00140	.00560
.150	-3.000	5.80370	.43540	.03660	-.11260	.02930	-.00010	.00400
.150	-2.000	5.80320	.44000	.03660	-.11620	.01440	.00090	.00250
.150	-1.000	5.80180	.44340	.03640	-.12520	-.00050	.00160	.00070
.150	.000	5.80080	.44330	.03630	-.13290	-.01560	.00260	.00150
.150	1.000	5.80130	.44080	.03640	-.13250	-.03100	.00360	-.00350
.150	2.000	5.80220	.43800	.03640	-.12850	-.04680	.00460	-.00540
.150	3.000	5.80270	.43600	.03610	-.12630	-.06290	.00560	-.00700
.150	4.000	5.80220	.43570	.03520	-.12730	-.07940	.00660	-.00850
.150	6.000	5.79980	.44020	.03260	-.13430	-.11360	.00870	-.01120
.150	8.000	5.79790	.44750	.02990	-.13830	-.15050	.01100	-.01420
.150	10.000	5.79640	.45410	.02790	-.13860	-.18980	.01360	-.01710
.150	12.000	5.79350	.45520	.02640	-.14520	-.22770	.01650	-.01950
GRADIENT		-.00023	.00018	-.00011	-.00221	-.01544	.00097	-.00182

RUN NO. 497/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.79490	.44120	.03820	-.13300	.20520	-.01690	.01980
.300	-10.000	5.79640	.44040	.04040	-.13150	.16560	-.01310	.01680
.300	-8.000	5.79830	.43350	.04270	-.12080	.12740	-.00960	.01380
.300	-6.000	5.80030	.43080	.04490	-.11340	.08950	-.00600	.01040
.300	-4.000	5.80180	.43530	.04670	-.11430	.05240	-.00250	.00680
.300	-3.000	5.80180	.43920	.04730	-.11730	.03500	-.00100	.00500
.300	-2.000	5.80130	.44250	.04770	-.12050	.01890	.00000	.00340
.300	-1.000	5.80030	.44410	.04790	-.12300	.00460	.00090	.00170
.300	.000	5.79980	.44400	.04800	-.12430	-.00920	.00190	-.00020
.300	1.000	5.79930	.44290	.04790	-.12330	-.02450	.00300	-.00200
.300	2.000	5.79980	.44250	.04770	-.12170	-.04150	.00420	-.00360
.300	3.000	5.79930	.44270	.04740	-.12120	-.05910	.00540	-.00510
.300	4.000	5.79830	.44280	.04690	-.12180	-.07650	.00670	-.00670
.300	6.000	5.79740	.44350	.04520	-.12590	-.11100	.00900	-.01000
.300	8.000	5.79740	.44480	.04270	-.13230	-.14670	.01110	-.01300
.300	10.000	5.79790	.44500	.03970	-.13680	-.18410	.01330	-.01570
.300	12.000	5.79640	.44090	.03700	-.13240	-.22300	.01580	-.01810
GRADIENT		-.00042	.00065	.00002	-.00074	-.01580	.00111	-.00170

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT39.3

(BOM118) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 496/ 0 RN/L = 2.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.78710	.43940	.04000	-.12560	.21240	-.01680	.01950
.500	-10.000	5.78860	.44000	.04190	-.12040	.17070	-.01310	.01680
.500	-8.000	5.79050	.43750	.04440	-.11240	.13390	-.01040	.01400
.500	-6.000	5.79150	.43760	.04700	-.10890	.09640	-.00710	.01090
.500	-4.000	5.79100	.44190	.04910	-.11160	.05740	-.00300	.00720
.500	-3.000	5.79050	.44540	.04980	-.11410	.03900	-.00130	.00540
.500	-2.000	5.79000	.44890	.05030	-.11590	.02280	-.00030	.00380
.500	-1.000	5.79000	.45090	.05040	-.11700	.00850	.00050	.00200
.500	.000	5.79000	.45090	.05040	-.11800	-.00600	.00160	.00020
.500	1.000	5.78960	.44890	.05030	-.11920	-.02180	.00270	-.00160
.500	2.000	5.78960	.44850	.05010	-.12020	-.03920	.00360	-.00340
.500	3.000	5.78960	.44710	.04980	-.12030	-.05760	.00520	-.00500
.500	4.000	5.78910	.44600	.04910	-.11960	-.07620	.00670	-.00660
.500	6.000	5.78810	.44560	.04700	-.12160	-.11320	.00940	-.00980
.500	8.000	5.78710	.44710	.04450	-.13030	-.15030	.01140	-.01270
.500	10.000	5.78660	.44720	.04200	-.13650	-.18820	.01310	-.01540
.500	12.000	5.78710	.44000	.03960	-.11900	-.22850	.01620	-.01790
	GRADIENT	-.00019	.00033	-.00001	-.00102	-.01631	.00114	-.00174

RUN NO. 495/ 0 RN/L = 3.31 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.78420	.44320	.04090	-.12200	.21550	-.01660	.02040
.600	-10.000	5.78370	.44670	.04190	-.11620	.17410	-.01330	.01750
.600	-8.000	5.78560	.44420	.04440	-.10780	.13660	-.01080	.01470
.600	-6.000	5.78660	.44360	.04730	-.10350	.09840	-.00740	.01140
.600	-4.000	5.78660	.44810	.04970	-.10590	.05910	-.00330	.00760
.600	-3.000	5.78610	.45160	.05040	-.10830	.04060	-.00160	.00570
.600	-2.000	5.78560	.45480	.05070	-.11020	.02420	-.00040	.00400
.600	-1.000	5.78560	.45680	.05070	-.11240	.00960	.00040	.00230
.600	.000	5.78560	.45760	.05090	-.11560	-.00500	.00130	.00020
.600	1.000	5.78560	.45700	.05120	-.11770	-.02090	.00220	-.00180
.600	2.000	5.78520	.45570	.05120	-.11760	-.03880	.00340	-.00360
.600	3.000	5.78520	.45460	.05090	-.11620	-.05830	.00500	-.00520
.600	4.000	5.78520	.45370	.05020	-.11550	-.07790	.00670	-.00690
.600	6.000	5.78470	.45350	.04820	-.11890	-.11630	.00960	-.01020
.600	8.000	5.78470	.45380	.04580	-.12620	-.15370	.01140	-.01340
.600	10.000	5.78470	.45120	.04350	-.12950	-.19150	.01310	-.01630
.600	12.000	5.78320	.44050	.04090	-.11360	-.23360	.01680	-.01870
	GRADIENT	-.00015	.00056	.00008	-.00137	-.01669	.00115	-.00183

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT3B.3

(BOM118) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.6000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 180.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 494/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	OCL	DCD	OCLM	DCY	OCLN	DCSL
.700	-12.000	5.77730	.44720	.04200	-.09810	.22200	-.01620	.02140
.700	-10.000	5.77150	.45470	.04170	-.09900	.18400	-.01460	.01890
.700	-8.000	5.77250	.45340	.04400	-.09650	.14400	-.01150	.01570
.700	-6.000	5.77390	.45220	.04750	-.09470	.10380	-.00780	.01200
.700	-4.000	5.77290	.45480	.05050	-.09530	.06480	-.00420	.00810
.700	-3.000	5.77250	.45660	.05110	-.09630	.04630	-.00280	.00620
.700	-2.000	5.77290	.45810	.05100	-.09750	.02890	-.00170	.00440
.700	-1.000	5.77390	.45940	.05090	-.09900	.01230	-.00040	.00240
.700	.000	5.77490	.46060	.05120	-.10120	-.00410	.00110	.00010
.700	1.000	5.77440	.46110	.05170	-.10460	-.02100	.00240	-.00200
.700	2.000	5.77340	.46070	.05200	-.10670	-.03940	.00350	-.00380
.700	3.000	5.77340	.45980	.05190	-.10670	-.05940	.00490	-.00550
.700	4.000	5.77390	.45920	.05120	-.10720	-.07970	.00660	-.00730
.700	6.000	5.77440	.45970	.04860	-.11430	-.11990	.01000	-.01100
.700	8.000	5.77290	.46140	.04560	-.12670	-.16000	.01280	-.01470
.700	10.000	5.77150	.46130	.04320	-.13660	-.20000	.01490	-.01810
.700	12.000	5.77250	.45310	.04230	-.12780	-.24090	.01720	-.02070
GRADIENT		00014	00057	.00013	-.00171	-.01775	.00132	-.00196

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38 3

(BGM119) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = -10.000 ELV-08 = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 502/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.03010	-.30150	.06200	.36370	-.00670	.00200	.00020
.300	-1.000	-.02730	-.21370	.05340	.34930	-.00680	.00230	.00020
.300	.000	-.02380	-.12540	.04760	.33600	-.00610	.00210	.00020
.300	1.000	-.02430	-.04350	.04440	.32080	-.00580	.00190	.00020
.300	2.000	-.02490	.03850	.04220	.30190	-.00580	.00180	.00030
.300	3.000	-.02420	.11930	.04090	.28070	-.00610	.00190	.00020
.300	4.000	-.02600	.19920	.04070	.25600	-.00650	.00200	.00020
.300	5.000	-.02960	.28000	.04150	.22920	-.00670	.00200	.00010
.300	6.000	-.03220	.36280	.04360	.20370	-.00660	.00220	-.00020
.300	7.000	-.03130	.44440	.04670	.18220	-.00620	.00240	-.00050
.300	8.000	-.02770	.51920	.05050	.16320	-.00580	.00230	-.00060
.300	9.000	-.02440	.58640	.05490	.14570	-.00620	.00230	-.00030
.300	10.000	-.02570	.65010	.06340	.13050	-.00710	.00280	.00020
.300	11.000	-.02700	.71260	.07910	.11730	-.00770	.00320	.00060
.300	12.000	-.02220	.77110	.09960	.10360	-.00810	.00360	.00040
	GRADIENT	.00010	.08275	-.00273	-.01896	.00002	-.00003	-.00001

RUN NO. 501/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.01090	-.32150	.06340	.35000	-.00710	.00190	.00080
.500	-1.000	-.01920	-.22740	.05450	.33120	-.00660	.00210	.00080
.500	.000	-.02600	-.13430	.04840	.31650	-.00610	.00210	.00070
.500	1.000	-.02750	-.04810	.04520	.30470	-.00570	.00210	.00050
.500	2.000	-.02280	.03770	.04330	.28900	-.00590	.00210	.00050
.500	3.000	-.02210	.12340	.04220	.26770	-.00640	.00220	.00060
.500	4.000	-.02280	.20890	.04220	.24340	-.00670	.00220	.00050
.500	5.000	-.02340	.29290	.04350	.22020	-.00630	.00210	.00050
.500	6.000	-.02560	.37700	.04660	.19730	-.00550	.00200	.00020
.500	7.000	-.02270	.45930	.05060	.17600	-.00520	.00210	.00010
.500	8.000	-.01760	.53490	.05670	.15990	-.00570	.00230	.00010
.500	9.000	-.01500	.60370	.06640	.14830	-.00580	.00250	.00000
.500	10.000	-.01450	.66960	.08040	.13480	-.00540	.00240	-.00030
.500	11.000	-.01830	.73210	.09900	.11970	-.00550	.00260	-.00030
.500	12.000	-.02280	.79190	.12120	.10250	-.00680	.00350	-.00010
	GRADIENT	-.00106	.08740	-.00263	-.01798	.00005	.00003	-.00004

CA5 K1 F0 H15 6 V9.1 MINUS ORB TC5 AT38 3

(BGM119) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = -10.000 ELV-0B = -7.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 500/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.01760	-.33230	.06400	.34080	-.00750	.00220	.00100
.600	-1.000	-.02930	-.23790	.05450	.32370	-.00700	.00210	.00080
.600	.000	-.02300	-.14310	.04840	.30910	-.00720	.00220	.00060
.600	1.000	-.02130	-.05240	.04480	.29190	-.00720	.00220	.00050
.600	2.000	-.02880	.03660	.04280	.27370	-.00680	.00220	.00060
.600	3.000	-.02430	.12470	.04200	.25770	-.00660	.00220	.00060
.600	4.000	-.01840	.21190	.04240	.23670	-.00640	.00220	.00060
.600	5.000	-.01770	.29940	.04420	.21400	-.00580	.00200	.00050
.600	6.000	-.01250	.38690	.04750	.19350	-.00490	.00190	.00030
.600	7.000	-.01180	.47100	.05290	.17710	-.00420	.00180	.00010
.600	8.000	-.01820	.54830	.06170	.16340	-.00410	.00190	-.00010
.600	9.000	-.01980	.61930	.07480	.14760	-.00480	.00220	-.00010
.600	10.000	-.01510	.68710	.09190	.12810	-.00570	.00250	.00040
.600	11.000	-.01470	.74920	.11230	.10680	-.00600	.00270	.00070
.600	12.000	-.02030	.80650	.13540	.08400	-.00600	.00300	.00070
	GRADIENT	.00050	.09004	-.00262	-.01780	.00020	-.00001	-.00005

RUN NO. 499/ 0 RN/L = 3.63 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.02640	-.35100	.06580	.32200	-.00760	.00180	.00140
.700	-1.000	-.02790	-.25280	.05520	.30820	-.00760	.00180	.00090
.700	.000	-.03020	-.15350	.04810	.29160	-.00730	.00180	.00080
.700	1.000	-.03800	-.05760	.04370	.27490	-.00690	.00200	.00090
.700	2.000	-.03980	.03590	.04150	.25730	-.00700	.00220	.00100
.700	3.000	-.03160	.13040	.04070	.23630	-.00700	.00220	.00090
.700	4.000	-.02590	.22410	.04140	.21470	-.00610	.00210	.00080
.700	5.000	-.02970	.31460	.04370	.19770	-.00500	.00190	.00070
.700	6.000	-.03150	.40200	.04850	.18590	-.00390	.00170	.00050
.700	7.000	-.02880	.48770	.05740	.17310	-.00340	.00170	.00050
.700	8.000	-.02630	.56540	.07070	.15420	-.00380	.00190	.00090
.700	9.000	-.02400	.63430	.08780	.12930	-.00480	.00210	.00150
.700	10.000	-.01870	.70000	.10710	.10040	-.00510	.00210	.00150
.700	11.000	-.00930	.76340	.12810	.06960	-.00410	.00170	.00100
.700	12.000	-.00430	.82010	.15110	.03740	-.00270	.00120	.00070
	GRADIENT	-.00023	.09511	-.00295	-.01811	.00032	.00004	-.00006

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM120) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190 7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = 10 000 ELV-OB = 13 000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 IORB = 4.000

RUN NO. 506/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5 00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.02820	-.17080	.05490	-.10050	-.00410	.00100	.00030
.300	-1.000	-.02420	-.08120	.04870	-.12300	-.00450	.00140	.00010
.300	000	-.02230	.00910	.04500	-.14520	-.00390	.00120	.00000
.300	1.000	-.02470	.09280	.04350	-.16770	-.00330	.00100	.00000
.300	2.000	-.02130	.17510	.04340	-.18970	-.00330	.00090	.00000
.300	3 000	-.02050	.25760	.04390	-.21220	-.00390	.00100	.00000
.300	4 000	-.02340	.33730	.04530	-.23630	-.00480	.00120	.00000
.300	5.000	-.02550	.41670	.04770	-.26010	-.00500	.00140	.00000
.300	6.000	-.02490	.49840	.05160	-.28200	-.00440	.00150	-.00030
.300	7 000	-.02200	.57920	.05670	-.30210	-.00350	.00150	-.00050
.300	8.000	-.01780	.65280	.06230	-.32030	-.00300	.00130	-.00060
.300	9.000	-.01710	.71990	.06870	-.33590	-.00350	.00150	-.00030
.300	10.000	-.01980	.78360	.07960	-.34840	-.00470	.00210	.00020
.300	11.000	-.02090	.84380	.09760	-.35820	-.00560	.00260	.00050
.300	12.000	-.02150	.90010	.11970	-.36590	-.00550	.00280	.00030
	GRADIENT	.00038	.08372	-.00084	-.02270	-.00009	.00001	-.00003

RUN NO. 505/ 0 RN/L = 2.96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.499	-2.000	-.01600	-.20040	.05670	-.09840	-.00480	.00080	.00070
.499	-1.000	-.02200	-.10530	.04980	-.12280	-.00480	.00110	.00060
.499	.000	-.02920	-.01090	.04590	-.14490	-.00450	.00120	.00050
.499	1 000	-.03590	.07760	.04450	-.16690	-.00410	.00120	.00040
.499	2.000	-.03010	.16440	.04440	-.19010	-.00430	.00130	.00030
.499	3 000	-.02500	.25080	.04520	-.21340	-.00460	.00140	.00040
.499	4.000	-.02120	.33620	.04710	-.23650	-.00480	.00140	.00040
.499	5.000	-.01640	.42000	.05030	-.25940	-.00470	.00140	.00030
.499	6.000	-.01490	.50340	.05480	-.28050	-.00430	.00140	.00000
.499	7.000	-.01570	.58500	.06060	-.29750	-.00410	.00140	-.00010
.499	8.000	-.01480	.66000	.06870	-.30990	-.00400	.00150	-.00030
.499	9.000	-.00790	.72810	.08000	-.31910	-.00390	.00150	-.00040
.499	10.000	-.00190	.79190	.09540	-.32710	-.00350	.00150	-.00040
.499	11.000	-.00580	.85160	.11520	-.33440	-.00360	.00170	-.00050
.499	12.000	-.01780	.90850	.13900	-.34210	-.00460	.00250	-.00040
	GRADIENT	.00023	.08836	-.00072	-.02291	.00000	.00008	-.00005

ORIGINAL PAGE IS
OF POOR QUALITY

REFERENCE DATA

SREF = 5500 0000 SQ FT XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = 10.000 ELV-0B = 13.000
 S1-2 = 000 S3-4 = .000
 S5-6 = 000 TORB = 4.000

RUN NO. 504/ 0 RN/L = 3.34 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.01360	-.21890	.05920	-.09060	-.00560	.00110	.00100
.600	-1.000	-.01300	-.12230	.05060	-.11430	-.00510	.00100	.00070
.600	.000	-.01160	-.02540	.04620	-.13730	-.00520	.00110	.00040
.600	1.000	-.01400	.06650	.04430	-.16100	-.00530	.00120	.00030
.600	2.000	-.01470	.15660	.04430	-.18430	-.00490	.00120	.00040
.600	3.000	-.01020	.24590	.04530	-.20740	-.00470	.00120	.00050
.600	4.000	-.00890	.33350	.04750	-.22990	-.00470	.00130	.00050
.600	5.000	-.01330	.42060	.05100	-.25170	-.00440	.00120	.00030
.600	6.000	-.01690	.50790	.05590	-.27130	-.00350	.00110	.00010
.600	7.000	-.01430	.59180	.06300	-.28580	-.00240	.00100	-.00010
.600	8.000	-.01330	.66730	.07370	-.29530	-.00240	.00110	-.00030
.600	9.000	-.01550	.73580	.08840	-.30400	-.00330	.00130	-.00010
.600	10.000	-.01770	.80100	.10650	-.31450	-.00410	.00160	.00040
.600	11.000	-.01910	.86120	.12800	-.32350	-.00420	.00180	.00080
.600	12.000	-.01880	.91580	.15260	-.33140	-.00410	.00210	.00060
	GRADIENT	.00031	.09118	-.00082	-.02309	.00015	.00003	-.00007

RUN NO 503/ 0 RN/L = 3.68 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.01520	-.24600	.06020	-.08150	-.00610	.00090	.00130
.700	-1.000	-.00910	-.14540	.05130	-.10290	-.00600	.00080	.00070
.700	.000	-.00810	-.04380	.04590	-.12680	-.00570	.00090	.00060
.700	1.000	-.01260	.05200	.04340	-.14950	-.00550	.00110	.00070
.700	2.000	-.00840	.14650	.04270	-.16970	-.00510	.00120	.00090
.700	3.000	-.00630	.24100	.04370	-.19280	-.00490	.00120	.00080
.700	4.000	-.00850	.33420	.04620	-.21660	-.00450	.00120	.00070
.700	5.000	-.01220	.42440	.05020	-.23460	-.00340	.00090	.00060
.700	6.000	-.01770	.51230	.05660	-.24660	-.00220	.00070	.00040
.700	7.000	-.02140	.59660	.06690	-.25740	-.00150	.00060	.00030
.700	8.000	-.01700	.67210	.08170	-.26880	-.00170	.00070	.00060
.700	9.000	-.01190	.73840	.10000	-.28050	-.00240	.00090	.00110
.700	10.000	-.01220	.80000	.12040	-.29240	-.00270	.00100	.00100
.700	11.000	-.01290	.85820	.14230	-.30380	-.00210	.00090	.00070
.700	12.000	-.01100	.90940	.16580	-.31510	-.00130	.00060	.00070
	GRADIENT	.00040	.09571	-.00122	-.02212	.00035	.00004	-.00005

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM121) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-18 = .000 ELV-09 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-8 = .000 IOR8 = 4.000

RUN NO. 509/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.79590	.44280	.03900	-.12680	.23680	-.03310	.02220
.300	-10.000	5.79740	.44160	.04150	-.12490	.19530	-.02890	.01940
.300	-8.000	5.79980	.43490	.04380	-.11370	.15680	-.02530	.01630
.300	-6.000	5.80180	.43200	.04610	-.10560	.11930	-.02190	.01300
.300	-4.000	5.80220	.43550	.04800	-.10520	.08280	-.01870	.00950
.300	-3.000	5.80220	.43690	.04890	-.10650	.06590	-.01740	.00790
.300	-2.000	5.80180	.44170	.04950	-.10750	.05040	-.01650	.00630
.300	-1.000	5.80180	.44290	.04990	-.10870	.03550	-.01550	.00450
.300	.000	5.80180	.44260	.05010	-.10920	.02070	-.01430	.00260
.300	1.000	5.80180	.44180	.05020	-.10710	.00540	-.01330	.00080
.300	2.000	5.80180	.44120	.05010	-.10440	-.01090	-.01240	-.00080
.300	3.000	5.80220	.44070	.04990	-.10260	-.02790	-.01140	-.00220
.300	4.000	5.80270	.43990	.04950	-.10170	-.04510	-.01030	-.00380
.300	6.000	5.80220	.43940	.04800	-.10360	-.08010	-.00790	-.00700
.300	8.000	5.79980	.44090	.04570	-.10940	-.11670	-.00520	-.01000
.300	10.000	5.79740	.44200	.04290	-.11390	-.15470	-.00230	-.01290
.300	12.000	5.80080	.43650	.03980	-.10750	-.19360	.00000	-.01560
GRADIENT		.00003	.00035	.00017	.00056	-.01576	.00103	-.00169

RUN NO. 510/ 0 RN/L = 3.01 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.499	-12.000	5.79100	.43850	.04080	-.11850	.24030	-.03310	.02200
.499	-10.000	5.79200	.43670	.04260	-.11150	.19790	-.02880	.01910
.499	-8.000	5.79300	.43680	.04500	-.10430	.16080	-.02630	.01630
.499	-6.000	5.79390	.43700	.04760	-.10080	.12340	-.02320	.01320
.499	-4.000	5.79440	.44050	.05010	-.10170	.08510	-.01920	.00970
.499	-3.000	5.79390	.44380	.05100	-.10270	.06730	-.01760	.00800
.499	-2.000	5.79390	.44740	.05150	-.10340	.05170	-.01660	.00640
.499	-1.000	5.79350	.44940	.05180	-.10410	.03750	-.01590	.00460
.499	.000	5.79350	.44890	.05200	-.10500	.02270	-.01480	.00270
.499	1.000	5.79350	.44720	.05220	-.10560	.00650	-.01380	.00090
.499	2.000	5.79300	.44590	.05210	-.10570	-.01080	-.01280	-.00070
.499	3.000	5.79200	.44480	.05190	-.10500	-.02880	-.01160	-.00230
.499	4.000	5.79200	.44370	.05130	-.10320	-.04700	-.01040	-.00390
.499	6.000	5.79200	.44270	.04950	-.10260	-.08360	-.00790	-.00700
.499	8.000	5.79050	.44400	.04720	-.10990	-.12140	-.00530	-.00990
.499	10.000	5.78910	.44410	.04450	-.11600	-.16050	-.00270	-.01270
.499	12.000	5.78910	.43650	.04200	-.09670	-.20060	.00060	-.01540
GRADIENT		-.00029	.00018	.00015	-.00031	-.01621	.00105	-.00172

CAS K1 F0 H15.6 V9.1 MINUS ORB TC5 AT39.3

(BGM121) (21 JAN 75)

REFERENCE DATA

SREF = 8500.0000 SQ.FT. XMRP = 1339.8100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 SREF = 2348.0000 IN. ZMRP = 180.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 508/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.78560	.44190	.04150	-.11430	.24320	-.03270	.02280
.600	-10.000	5.78370	.44350	.04270	-.10650	.20250	-.02930	.02000
.600	-8.000	5.78610	.44090	.04520	-.09820	.16420	-.02660	.01700
.600	-6.000	5.78810	.44080	.04820	-.09370	.12610	-.02350	.01380
.600	-4.000	5.78810	.44530	.05090	-.09450	.08830	-.01980	.01010
.600	-3.000	5.78710	.44860	.05170	-.09590	.07030	-.01820	.00830
.600	-2.000	5.78660	.45150	.05210	-.09750	.05360	-.01710	.00660
.600	-1.000	5.78660	.45310	.05220	-.09990	.03920	-.01610	.00470
.600	.000	5.78610	.45350	.05250	-.10290	.02310	-.01510	.00260
.600	1.000	5.78560	.45290	.05290	-.10410	.00750	-.01420	.00080
.600	2.000	5.78560	.45190	.05310	-.10300	-.01010	-.01320	-.00090
.600	3.000	5.78560	.45100	.05300	-.10130	-.02920	-.01190	-.00250
.600	4.000	5.78560	.45050	.05250	-.10130	-.04810	-.01050	-.00410
.600	6.000	5.78520	.45050	.05060	-.10600	-.08540	-.00800	-.00730
.600	8.000	5.78560	.45080	.04830	-.10990	-.12350	-.00560	-.01050
.600	10.000	5.78610	.44820	.04590	-.10870	-.16300	-.00300	-.01340
.600	12.000	5.78470	.43670	.04320	-.09890	-.20510	.00110	-.01620
GRADIENT		-.00029	.00048	.00022	-.00098	-.01670	.00110	-.00180

RUN NO 507/ 0 RN/L = 3.72 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.77730	.44260	.04200	-.08900	.24710	-.03120	.02350
.700	-10.000	5.77440	.45150	.04240	-.09650	.21310	-.03150	.02160
.700	-8.000	5.77490	.44920	.04480	-.08670	.17130	-.02760	.01800
.700	-6.000	5.77590	.44670	.04830	-.07910	.12990	-.02340	.01410
.700	-4.000	5.77590	.44920	.05150	-.08090	.09230	-.02040	.01050
.700	-3.000	5.77590	.45160	.05220	-.08270	.07480	-.01930	.00870
.700	-2.000	5.77690	.45350	.05220	-.08300	.05770	-.01830	.00690
.700	-1.000	5.77780	.45490	.05210	-.08400	.04090	-.01690	.00480
.700	.000	5.77830	.45610	.05260	-.08720	.02440	-.01540	.00260
.700	1.000	5.77930	.45570	.05330	-.09080	.00780	-.01430	.00060
.700	2.000	5.77980	.45450	.05380	-.09270	-.01010	-.01340	-.00110
.700	3.000	5.77930	.45380	.05370	-.09240	-.02960	-.01210	-.00270
.700	4.000	5.77830	.45360	.05300	-.09290	-.04920	-.01070	-.00430
.700	6.000	5.77690	.45430	.05070	-.10000	-.08820	-.00780	-.00790
.700	8.000	5.77640	.45560	.04780	-.11040	-.12820	-.00500	-.01140
.700	10.000	5.77640	.45480	.04530	-.11710	-.16900	-.00220	-.01470
.700	12.000	5.77640	.44800	.04400	-.10810	-.21060	.00110	-.01760
GRADIENT		.00045	.00045	.00025	-.00172	-.01746	.00121	-.00199

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 517

CA5 K1 F0 H15 6 V9.1 MINUS ORB TC5 AT39.3

(86M122) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2.000
 RUD-U = 10 000 RUD-L = 10 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 514/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	1.91210	.13590	.02950	-.03350	.22970	-.03150	01650
.300	-10.000	1.91540	.12950	.03330	-.02680	.19070	-.02710	01440
.300	-8 000	1.91780	.12650	.03690	-.02170	.15480	-.02350	01220
.300	-6.000	1.92040	.12560	.04010	-.01750	.11910	-.02000	00990
.300	-4.000	1.92290	.12600	.04250	-.01390	.08310	-.01670	00770
.300	-3.000	1.92350	.12660	.04320	-.01200	.06570	-.01550	00680
.300	-2.000	1.92360	.12720	.04340	-.01000	.05000	-.01480	00600
.300	-1.000	1.92400	.12760	.04350	-.00970	.03610	-.01440	00500
.300	.000	1.92420	.12760	.04370	-.01070	.02280	-.01400	00380
.300	1.000	1.92330	.12710	.04410	-.01120	.00930	-.01410	00300
.300	2.000	1.92250	.12720	.04420	-.01200	-.00580	-.01420	00230
.300	3.000	1.92220	.12840	.04400	-.01370	-.02300	-.01350	00150
.300	4.000	1.92220	.12990	.04340	-.01460	-.04090	-.01230	00050
.300	6.000	1.92140	.13290	.04120	-.01530	-.07720	-.00930	- 00170
.300	8.000	1.91850	.13680	.03900	-.01790	-.11470	-.00610	- 00370
.300	10.000	1.91410	.14140	.03440	-.02220	-.15330	-.00260	- 00570
.300	12 000	1.90980	.14620	.03100	-.02580	-.19360	.00190	- 00800
GRADIENT		-.00016	.00034	.00014	-.00022	-.01501	.00042	- 00090

RUN NO. 513/ 0 RN/L = 2.97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12 000	1.90920	.12460	.03130	-.03890	.23380	-.03180	01680
.500	-10.000	1.91100	.11710	.03400	-.03140	.19310	-.02660	01430
.500	-8 000	1.91240	.11520	.03760	-.02620	.15770	-.02360	01230
.500	-6.000	1.91490	.11470	.04090	-.02200	.12270	-.02080	01030
.500	-4.000	1.91810	.11410	.04310	-.01790	.08630	-.01760	00800
.500	-3.000	1.91860	.11420	.04360	-.01520	.06810	-.01620	00700
.500	-2.000	1.91770	.11480	.04360	-.01230	.05120	-.01530	00610
.500	-1.000	1.91700	.11550	.04350	-.01110	.03620	-.01470	00520
.500	.000	1.91670	.11560	.04390	-.01250	.02200	-.01410	00400
.500	1.000	1.91630	.11480	.04420	-.01560	.00780	-.01400	00310
.500	2.000	1.91560	.11440	.04440	-.01860	-.00770	-.01400	00230
.500	3.000	1.91490	.11530	.04430	-.02070	-.02490	-.01330	00160
.500	4.000	1.91460	.11710	.04390	-.02220	-.04290	-.01210	00070
.500	6 000	1.91380	.12160	.04150	-.02540	-.08000	-.00920	- 00120
.500	8.000	1.91150	.12560	.03840	-.02970	-.11830	-.00600	- 00340
.500	10 000	1.90750	.12850	.03490	-.03550	-.15680	-.00270	- 00580
.500	12.000	1.90450	.13110	.03140	-.04240	-.19510	.00130	- 00800
GRADIENT		-.00050	00023	.00012	-.00085	-.01570	.00057	- 00092

CAS K1 F0 H15 B VS.1 MINUS ORB TC5 AT38.3

(86M122) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BRP = 2348.0000 IN ZMRP = 190.7500 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = 000 ELV-OB = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4 000

RUN NO. 512/ 0 RN/L = 3.36 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	1.90780	.11490	.03180	-.04110	.23490	-.03070	.01730
.600	-10.000	1.90870	.11110	.03380	-.03510	.19440	-.02640	.01470
.600	-8.000	1.91080	.10900	.03750	-.02980	.15840	-.02320	.01230
.600	-6.000	1.91260	.10690	.04080	-.02280	.12350	-.02060	.01020
.600	-4.000	1.91390	.10460	.04290	-.01460	.08810	-.01820	.00820
.600	-3.000	1.91520	.10430	.04320	-.01110	.07010	-.01710	.00730
.600	-2.000	1.91660	.10490	.04330	-.00910	.05250	-.01620	.00640
.600	-1.000	1.91690	.10600	.04340	-.00920	.03660	-.01530	.00520
.600	.000	1.91560	.10680	.04380	-.01100	.02190	-.01450	.00400
.600	1.000	1.91390	.10720	.04410	-.01430	.00720	-.01430	.00310
.600	2.000	1.91280	.10760	.04430	-.01880	-.00890	-.01410	.00230
.600	3.000	1.91240	.10850	.04430	-.02340	-.02690	-.01340	.00130
.600	4.000	1.91190	.11040	.04380	-.02730	-.04560	-.01220	.00030
.600	6.000	1.90990	.11510	.04160	-.03430	-.08330	-.00900	-.00180
.600	8.000	1.90720	.11930	.03840	-.04200	-.12110	-.00590	-.00410
.600	10.000	1.90420	.12160	.03490	-.04830	-.15970	-.00290	-.00640
.600	12.000	1.90160	.12110	.03240	-.04790	-.20060	.00130	-.00890
GRADIENT		-.00045	.00071	.00016	-.00187	-.01630	.00067	-.00100

RUN NO 511/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	1.90030	.10280	.03110	-.04220	.23790	-.03060	.01810
.700	-10.000	1.89840	.10340	.03280	-.04100	.20200	-.02840	.01610
.700	-8.000	1.90170	.10330	.03640	-.03420	.16430	-.02450	.01320
.700	-6.000	1.90540	.10070	.03980	-.02420	.12690	-.02110	.01060
.700	-4.000	1.90710	.09670	.04190	-.01360	.09070	-.01880	.00860
.700	-3.000	1.90660	.09580	.04210	-.00860	.07300	-.01810	.00780
.700	-2.000	1.90580	.09620	.04190	-.00480	.05540	-.01730	.00690
.700	-1.000	1.90540	.09710	.04190	-.00370	.03810	-.01610	.00560
.700	.000	1.90530	.09790	.04230	-.00580	.02110	-.01480	.00420
.700	1.000	1.90390	.09820	.04290	-.01120	.00500	-.01410	.00310
.700	2.000	1.90270	.09840	.04340	-.01760	-.01150	-.01390	.00230
.700	3.000	1.90230	.09910	.04340	-.02170	-.02910	-.01340	.00160
.700	4.000	1.90150	.10130	.04290	-.02570	-.04780	-.01240	.00060
.700	6.000	1.89840	.10780	.04030	-.03840	-.08660	-.00930	-.00190
.700	8.000	1.89600	.11270	.03690	-.05430	-.12610	-.00560	-.00470
.700	10.000	1.89530	.11470	.03370	-.06390	-.16590	-.00190	-.00740
.700	12.000	1.89750	.11520	.03220	-.04970	-.20680	.00190	-.00980
GRADIENT		-.00072	.00056	.00020	-.00201	-.01712	.00081	-.00104

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 519

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(BGM123) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 518/ 0 RN/L = 1.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	7.74410	.59230	.04990	-.17580	.23640	-.03420	.02520
.300	-10.000	7.74370	.58540	.05100	-.16570	.19620	-.03070	.02210
.300	-8.000	7.74510	.58240	.05270	-.15480	.15880	-.02810	.01880
.300	-6.000	7.74710	.58170	.05450	-.14570	.12090	-.02470	.01490
.300	-4.000	7.74900	.58290	.05620	-.14120	.08270	-.02040	.01040
.300	-3.000	7.74850	.58480	.05690	-.14210	.06480	-.01850	.00830
.300	-2.000	7.74660	.58760	.05740	-.14500	.04880	-.01710	.00620
.300	-1.000	7.74610	.59020	.05780	-.14790	.03430	-.01580	.00390
.300	.000	7.74660	.59140	.05800	-.14850	.02000	-.01450	.00150
.300	1.000	7.74760	.59050	.05800	-.14560	.00420	-.01310	-.00070
.300	2.000	7.74850	.58810	.05770	-.14200	-.01330	-.01170	-.00270
.300	3.000	7.74950	.58650	.05740	-.14040	-.03170	-.01020	-.00470
.300	4.000	7.74900	.58640	.05710	-.14060	-.05000	-.00880	-.00670
.300	6.000	7.74610	.58770	.05600	-.14360	-.08570	-.00640	-.01060
.300	8.000	7.74660	.58650	.05450	-.14630	-.12170	-.00420	-.01400
.300	10.000	7.74850	.58200	.05250	-.14470	-.15930	-.00210	-.01710
.300	12.000	7.74660	.57540	.04970	-.13500	-.20010	.00060	-.02000
GRADIENT		.00014	.00034	.00010	.00026	-.01624	.00141	-.00216

RUN NO. 517/ 0 RN/L = 2.95 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	7.73930	.58780	.05480	-.14560	.24100	-.03380	.02540
.500	-10.000	7.73540	.59320	.05510	-.14750	.20180	-.03080	.02270
.500	-8.000	7.73830	.59190	.05670	-.14140	.16570	-.02910	.01940
.500	-6.000	7.74020	.59120	.05890	-.13530	.12780	-.02600	.01550
.500	-4.000	7.73880	.59420	.06080	-.13370	.08780	-.02110	.01100
.500	-3.000	7.73780	.59740	.06150	-.13510	.06880	-.01890	.00880
.500	-2.000	7.73730	.60090	.06200	-.13720	.05210	-.01740	.00660
.500	-1.000	7.73730	.60310	.06230	-.13820	.03690	-.01610	.00420
.500	.000	7.73630	.60310	.06240	-.13770	.02160	-.01460	.00150
.500	1.000	7.73540	.60190	.06250	-.13600	.00560	-.01330	-.00090
.500	2.000	7.73540	.59980	.06250	-.13470	-.01180	-.01200	-.00290
.500	3.000	7.73540	.59780	.06240	-.13470	-.03040	-.01040	-.00480
.500	4.000	7.73540	.59700	.06210	-.13470	-.04940	-.00880	-.00670
.500	6.000	7.73440	.59750	.06080	-.13460	-.08740	-.00610	-.01060
.500	8.000	7.73440	.59760	.05910	-.13650	-.12530	-.00410	-.01420
.500	10.000	7.73540	.59430	.05730	-.13810	-.16330	-.00220	-.01750
.500	12.000	7.73780	.58510	.05590	-.13410	-.20240	.00090	-.02060
GRADIENT		-.00044	.00015	.00015	.00007	-.01676	.00147	-.00226

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT3B 3

(BGM123) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 1ORB = 4.000

RUN NO. 518/ 0 RN/L = 3.32 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	7.73140	.59530	.05820	-.13370	.24290	-.03260	.02590
.800	-10.000	7.73050	.60350	.05890	-.13820	.20650	-.03150	.02300
.600	-8.000	7.73190	.60110	.06070	-.12980	.16930	-.02970	.01950
.600	-6.000	7.73490	.59920	.06280	-.12210	.13040	-.02630	.01540
.600	-4.000	7.73630	.60220	.06480	-.12130	.09090	-.02160	.01080
.600	-3.000	7.73580	.60560	.06560	-.12310	.07240	-.01960	.00850
.600	-2.000	7.73440	.60890	.06630	-.12500	.05580	-.01850	.00630
.600	-1.000	7.73490	.61050	.06650	-.12680	.04010	-.01720	.00400
.600	.000	7.73630	.61010	.06660	-.12880	.02360	-.01530	.00150
.600	1.000	7.73680	.60860	.06680	-.12980	.00660	-.01390	-.00080
.600	2.000	7.73580	.60740	.06690	-.12970	-.01160	-.01260	-.00280
.600	3.000	7.73440	.60690	.06670	-.12910	-.03070	-.01100	-.00480
.600	4.000	7.73340	.60700	.06620	-.12780	-.04990	-.00940	-.00690
.600	6.000	7.73290	.60740	.06440	-.12720	-.08810	-.00660	-.01110
.600	8.000	7.73340	.60780	.06270	-.13260	-.12700	-.00420	-.01490
.600	10.000	7.73390	.60490	.06120	-.13800	-.16700	-.00210	-.01830
.600	12.000	7.73440	.59420	.05990	-.12860	-.20900	.00100	-.02150
GRADIENT		-.00018	.00030	.00017	-.00094	-.01735	.00149	-.00223

RUN NO. 515/ 0 RN/L = 3.67 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	7.70800	.59990	.06470	-.12240	.24990	-.03330	.02600
.700	-10.000	7.70560	.60700	.06470	-.12310	.21670	-.03440	.02320
.700	-8.000	7.70650	.60890	.06570	-.11170	.17520	-.03010	.01910
.700	-6.000	7.70850	.60950	.06940	-.10270	.13290	-.02520	.01480
.700	-4.000	7.70950	.61140	.07190	-.10220	.09360	-.02160	.01060
.700	-3.000	7.70950	.61310	.07280	-.10330	.07560	-.02050	.00870
.700	-2.000	7.71000	.61520	.07330	-.10390	.05840	-.01960	.00670
.700	-1.000	7.71000	.61730	.07410	-.10620	.04130	-.01790	.00440
.700	.000	7.70950	.61910	.07500	-.11180	.02360	-.01550	.00210
.700	1.000	7.70850	.61980	.07530	-.11730	.00580	-.01370	.00000
.700	2.000	7.70750	.61850	.07500	-.11920	-.01280	-.01250	-.00180
.700	3.000	7.70700	.61690	.07440	-.11810	-.03220	-.01120	-.00370
.700	4.000	7.70700	.61600	.07380	-.11840	-.05180	-.00980	-.00580
.700	6.000	7.70650	.61590	.07220	-.12620	-.09150	-.00670	-.01010
.700	8.000	7.70510	.61630	.06970	-.13670	-.13220	-.00350	-.01410
.700	10.000	7.70460	.61330	.06730	-.14290	-.17350	-.00080	-.01770
.700	12.000	7.70850	.60000	.06560	-.13320	-.21390	.00070	-.02060
GRADIENT		-.00040	.00055	.00028	-.00251	-.01805	.00156	-.00207

CA5 KI FO H15.8 V9.1 MINUS ORB TC5 AT38.3

(BGM124) (21 JAN 75)

REFERENCE DATA

GREF = 8800.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 SS-8 = .000 IORB = 4.000

RUN NO. 525/ 0 RN/L = 1.94 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-12.000	5.80030	.44050	.03990	-.12890	.21750	-.02570	.02110
.300	-10.000	5.80220	.43950	.04220	-.12490	.17780	-.02210	.01840
.300	-8.000	5.80620	.43250	.04450	-.11330	.14020	-.01870	.01580
.300	-6.000	5.80860	.42980	.04680	-.10500	.10290	-.01540	.01240
.300	-4.000	5.80910	.43420	.04880	-.10410	.06650	-.01250	.00880
.300	-3.000	5.80910	.43800	.04950	-.10550	.04950	-.01130	.00710
.300	-2.000	5.80860	.44110	.05000	-.10700	.03420	-.01040	.00540
.300	-1.000	5.80710	.44210	.05030	-.10810	.02050	-.00950	.00370
.300	.000	5.80470	.44130	.05050	-.10820	.00670	-.00850	.00180
.300	1.000	5.80370	.44030	.05050	-.10590	-.00890	-.00750	.00000
.300	2.000	5.80320	.43950	.05040	-.10280	-.02580	-.00640	-.00160
.300	3.000	5.80370	.43930	.05030	-.10030	-.04310	-.00520	-.00310
.300	4.000	5.80320	.43890	.04990	-.09950	-.06060	-.00400	-.00470
.300	6.000	5.80180	.43850	.04830	-.10260	-.09610	-.00140	-.00800
.300	8.000	5.80030	.44090	.04590	-.10990	-.13320	.00170	-.01110
.300	10.000	5.79930	.44310	.04270	-.11570	-.17190	.00490	-.01380
.300	12.000	5.79640	.43750	.03890	-.11070	-.21170	.00730	-.01660
GRADIENT		-.00090	.00029	.00013	.00074	-.01559	.00104	-.00170

RUN NO. 524/ 0 RN/L = 2.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-12.000	5.79440	.43920	.04060	-.12170	.22470	-.02590	.02130
.500	-10.000	5.79490	.43980	.04240	-.11700	.18370	-.02230	.01870
.500	-8.000	5.79740	.43650	.04490	-.10760	.14770	-.01880	.01600
.500	-6.000	5.79880	.43580	.04750	-.10150	.11090	-.01680	.01290
.500	-4.000	5.79880	.43980	.04990	-.10130	.07240	-.01300	.00940
.500	-3.000	5.79830	.44360	.05050	-.10260	.05440	-.01150	.00760
.500	-2.000	5.79830	.44740	.05110	-.10350	.03890	-.01070	.00590
.500	-1.000	5.79880	.44920	.05120	-.10390	.02470	-.00990	.00410
.500	.000	5.79930	.44880	.05140	-.10410	.01030	-.00880	.00220
.500	1.000	5.79880	.44670	.05150	-.10370	-.00540	-.00780	.00050
.500	2.000	5.79830	.44480	.05150	-.10310	-.02270	-.00680	-.00110
.500	3.000	5.79740	.44350	.05120	-.10230	-.04100	-.00550	-.00280
.500	4.000	5.79740	.44240	.05050	-.10060	-.05940	-.00400	-.00440
.500	6.000	5.79790	.44150	.04840	-.10050	-.09640	-.00110	-.00750
.500	8.000	5.79690	.44290	.04600	-.10880	-.13460	.00150	-.01050
.500	10.000	5.79440	.44290	.04360	-.11630	-.17430	.00410	-.01350
.500	12.000	5.79390	.43500	.04100	-.10060	-.21540	.00790	-.01610
GRADIENT		-.00014	.00004	.00009	.00008	-.01611	.00107	-.00173

CA5 K1 F0 H15.6 V9.1 MINUS ORB TC5 AT38.3

(8GM124) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = 10.000 RUD-L = 10.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 523/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-12.000	5.78960	.44310	.04110	-.11530	.22790	-.02570	.02230
.600	-10 000	5.78960	.44640	.04240	-.11160	.18790	-.02270	.01940
.600	-8 000	5.79150	.44310	.04490	-.10170	.15010	-.02010	.01650
.600	-6.000	5.79250	.44230	.04770	-.09520	.11250	-.01720	.01320
.600	-4.000	5.79250	.44650	.05030	-.09550	.07520	-.01380	.00960
.600	-3.000	5.79200	.44980	.05110	-.09730	.05750	-.01240	.00780
.600	-2.000	5.79150	.45240	.05150	-.09900	.04110	-.01120	.00610
.600	-1.000	5.79200	.45360	.05170	-.10100	.02590	-.01020	.00420
.600	.000	5.79200	.45360	.05190	-.10290	.01110	-.00900	.00210
.600	1.000	5.79100	.45290	.05220	-.10320	-.00450	-.00820	.00020
.600	2 000	5.79000	.45200	.05220	-.10160	-.02230	-.00720	-.00140
.600	3 000	5.79000	.45100	.05200	-.09900	-.04160	-.00570	-.00300
.600	4.000	5.79000	.45010	.05140	-.09730	-.06100	-.00410	-.00460
.600	6 000	5.79100	.44940	.04950	-.09560	-.09910	-.00130	-.00800
.600	8.000	5.79150	.44970	.04700	-.10690	-.13740	.00130	-.01120
.600	10.000	5.79050	.44740	.04450	-.11090	-.17700	.00400	-.01420
.600	12.000	5.79000	.43560	.04230	-.09600	-.22060	.00840	-.01690
	GRADIENT	-.00033	.00027	.00015	-.00033	-.01665	.00115	-.00180

RUN NO 522/ 0 RN/L = 3.64 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-12.000	5.78030	.44560	.04190	-.09380	.23480	-.02550	.02330
.700	-10 000	5.77980	.45470	.04190	-.09720	.19830	-.02440	.02100
.700	-8.000	5.78080	.45250	.04460	-.09050	.15840	-.02120	.01770
.700	-6.000	5.78170	.45010	.04810	-.08520	.11860	-.01770	.01400
.700	-4.000	5.78220	.45200	.05100	-.08560	.08070	-.01470	.01020
.700	-3.000	5.78220	.45420	.05170	-.08690	.06280	-.01340	.00840
.700	-2.000	5.78120	.45590	.05180	-.08770	.04530	-.01220	.00650
.700	-1 000	5.78080	.45710	.05180	-.08820	.02830	-.01070	.00440
.700	.000	5.77980	.45790	.05220	-.08940	.01140	-.00900	.00210
.700	1.000	5.77930	.45750	.05270	-.09100	-.00550	-.00790	.00000
.700	2.000	5.77830	.45610	.05300	-.09180	-.02380	-.00690	-.00170
.700	3.000	5.77880	.45480	.05300	-.09080	-.04350	-.00550	-.00340
.700	4.000	5.77930	.45440	.05240	-.09060	-.06330	-.00400	-.00510
.700	6.000	5.77980	.45560	.04990	-.09680	-.10250	-.00080	-.00870
.700	8.000	5.77980	.45720	.04690	-.10860	-.14320	.00240	-.01240
.700	10 000	5.77930	.45610	.04450	-.11770	-.18520	.00560	-.01600
.700	12.000	5.77980	.44830	.04340	-.10890	-.22810	.00900	-.01880
	GRADIENT	-.00048	.00020	.00021	-.00071	-.01778	.00133	-.00196

CAS K1 F0 H15.1A V9.1 MINUS ORB TC5 AT38.3

(BGM125) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9100 IN XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELV-10 = .000 ELV-08 = 3 000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORB = 4.000

RUN NO. 529/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.03050	-.21320	.05410	.05470	-.00500	00080	.00090
.300	-1 000	-.03150	-.12600	.04710	.03600	-.00520	00110	.00070
.300	.000	-.03120	-.03760	.04270	.01650	-.00490	.00100	.00050
.300	1.000	-.02850	.04680	.04050	-.00300	-.00450	.00070	.00050
.300	2.000	-.02500	.12780	.03980	-.02190	-.00430	.00050	.00050
.300	3 000	-.02340	.20860	.03950	-.04260	-.00470	.00050	.00050
.300	4.000	-.02390	.28920	.04030	-.06600	-.00530	.00050	.00050
.300	5 000	-.02390	.36830	.04230	-.08890	-.00530	00060	00030
.300	6.000	-.02470	.44880	.04560	-.10870	-.00470	00070	00010
.300	7 000	-.02350	.52890	.04990	-.12670	-.00400	.00070	-.00020
.300	8 000	-.01910	.60300	.05490	-.14400	-.00340	00060	-.00040
.300	9 000	-.01900	.67000	.06090	-.15810	-.00430	00090	-.00020
.300	10.000	-.02520	.73280	.07080	-.16910	-.00520	.00130	.00040
.300	11.000	-.02950	.79290	.08700	-.17810	-.00550	.00180	.00070
.300	12.000	-.02790	.84950	.10840	-.18670	-.00590	.00240	00040
	GRADIENT	.00132	08293	-.00151	-.02038	-.00002	-.00007	-.00006

RUN NO. 528/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.02350	-.23930	.05570	.05120	-.00680	.00090	.00130
.500	-1.000	-.02040	-.14630	.04840	.03060	-.00640	00110	00110
.500	.000	-.02390	-.05240	.04380	.01150	-.00580	.00110	.00100
.500	1.000	-.02840	.03720	.04140	-.00760	-.00530	00090	.00090
.500	2 000	-.02990	.12240	.04070	-.02730	-.00520	.00080	00080
.500	3 000	-.02750	.20770	.04090	-.04880	-.00550	.00090	.00070
.500	4.000	-.02530	.29330	.04210	-.07100	-.00560	.00080	.00070
.500	5.000	-.02830	.37690	.04480	-.09170	-.00480	.00060	.00060
.500	6 000	-.03370	.46000	.04880	-.11430	-.00470	00060	00030
.500	7.000	-.03600	.54170	.05390	-.13470	-.00550	00090	00000
.500	8.000	-.03490	.61660	.06120	-.14540	-.00570	.00100	-.00010
.500	9.000	-.03490	.68320	.07230	-.14850	-.00460	.00080	-.00020
.500	10 000	-.03390	.74660	.08710	-.15500	-.00360	.00070	-.00040
.500	11.000	-.02910	.80890	.10590	-.16710	-.00430	00120	-.00050
.500	12.000	-.02330	.86700	.12940	-.17850	-.00600	.00240	-.00040
	GRADIENT	-.00084	.08782	-.00140	-.02034	00022	-.00005	-.00009

ORIGINAL PAGE IS
 OF POOR QUALITY

CA5 K1 FO H15.1A V9.1 MINUS ORB TC5 AT3B.3

(BGM125) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327 8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 IORS = 4.000

RUN NO. 527/ 0 RN/L = 3.29 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.00780	-.25650	.05690	.05590	-.00830	.00140	.00150
.600	-1.000	-.00660	-.16070	.04880	.03480	-.00740	.00120	.00110
.600	.000	-.00690	-.06440	.04370	.01410	-.00710	.00120	.00080
.600	1.000	-.00970	.02670	.04120	-.00500	-.00710	.00120	.00070
.600	2.000	-.01490	.11660	.04040	-.02480	-.00670	.00120	.00080
.600	3.000	-.01760	.20590	.04090	-.04760	-.00600	.00100	.00080
.600	4.000	-.01470	.29330	.04260	-.07030	-.00540	.00080	.00080
.600	5.000	-.01340	.38010	.04540	-.09060	-.00480	.00060	.00060
.600	6.000	-.01870	.46690	.04950	-.10830	-.00390	.00050	.00020
.600	7.000	-.02530	.55040	.05620	-.12200	-.00320	.00040	.00000
.600	8.000	-.02300	.62590	.06660	-.13090	-.00340	.00060	-.00010
.600	9.000	-.01940	.69510	.08090	-.13980	-.00440	.00110	.00010
.600	10.000	-.02200	.76060	.09860	-.15210	-.00540	.00140	.00050
.600	11.000	-.02700	.81990	.11950	-.16420	-.00570	.00170	.00080
.600	12.000	-.02850	.87380	.14340	-.17560	-.00580	.00210	.00070
GRADIENT		-.00139	.09080	-.00144	-.02090	.00045	-.00010	-.00009

RUN NO. 526/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.00650	-.28020	.05880	.05640	-.00810	.00110	.00170
.700	-1.000	-.01050	-.18050	.04950	.03680	-.00780	.00100	.00110
.700	.000	-.01230	-.07970	.04340	.01700	-.00740	.00100	.00090
.700	1.000	-.00670	.01530	.04020	-.00230	-.00690	.00100	.00110
.700	2.000	-.00480	.10960	.03900	-.02400	-.00680	.00120	.00110
.700	3.000	-.00960	.20420	.03950	-.04560	-.00690	.00130	.00100
.700	4.000	-.01220	.29770	.04130	-.06550	-.00590	.00100	.00090
.700	5.000	-.00470	.38830	.04460	-.08270	-.00460	.00070	.00080
.700	6.000	.00120	.47650	.05050	-.09570	-.00360	.00060	.00060
.700	7.000	-.00730	.56100	.06070	-.10570	-.00310	.00060	.00050
.700	8.000	-.01760	.63700	.07520	-.11710	-.00360	.00080	.00080
.700	9.000	-.02040	.70390	.09350	-.13250	-.00460	.00120	.00130
.700	10.000	-.02080	.76520	.11310	-.14950	-.00510	.00140	.00100
.700	11.000	-.01710	.82590	.13550	-.16740	-.00430	.00120	.00080
.700	12.000	.00730	.88670	.16230	-.18820	-.00310	.00080	.00190
GRADIENT		.00017	.09543	-.00182	-.02017	.00042	-.00002	-.00008

CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38.3

(BOM126) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN ZMRP = 190 7500 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = 000
 S5-6 = 000 IORB = 4.000

RUN NO. 533/ 0 RN/L = 1.93 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.300	-2.000	-.02050	-.21760	.05480	.05470	-.00470	.00120	.00090
.300	-1.000	-.02250	-.12840	.04770	.03170	-.00420	.00140	.00090
.300	.000	-.02700	-.03890	.04340	.00970	-.00400	.00140	.00090
.300	1.000	-.02930	.04440	.04150	-.01030	-.00440	.00130	.00080
.300	2.000	-.02060	.12680	.04060	-.03230	-.00430	.00110	.00080
.300	3.000	-.01990	.20890	.04050	-.05640	-.00450	.00110	.00080
.300	4.000	-.02700	.28870	.04140	-.08130	-.00510	.00120	.00080
.300	5.000	-.03080	.36820	.04330	-.10570	-.00520	.00120	.00060
.300	6.000	-.02870	.44860	.04640	-.12880	-.00470	.00130	.00040
.300	7.000	-.02410	.53050	.05060	-.15000	-.00380	.00140	.00020
.300	8.000	-.02440	.60390	.05570	-.16880	-.00310	.00110	.00010
.300	9.000	-.02880	.67080	.06160	-.18470	-.00360	.00120	.00020
.300	10.000	-.03120	.73440	.07130	-.19720	-.00450	.00160	.00070
.300	11.000	-.02790	.79530	.08750	-.20670	-.00470	.00190	.00110
.300	12.000	-.02790	.85190	.10870	-.21420	-.00500	.00230	.00090
GRADIENT		-.00077	.08348	-.00145	-.02272	-.00011	-.00002	-.00003

RUN NO. 532/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.500	-2.000	-.02440	-.24220	.05670	.04390	-.00600	.00110	.00140
.500	-1.000	-.02230	-.14800	.04930	.02030	-.00550	.00120	.00120
.500	.000	-.01830	-.05350	.04470	-.00150	-.00520	.00130	.00110
.500	1.000	-.02090	.03530	.04240	-.02210	-.00510	.00130	.00090
.500	2.000	-.02330	.12160	.04180	-.04470	-.00460	.00120	.00100
.500	3.000	-.02140	.20750	.04220	-.06880	-.00480	.00120	.00100
.500	4.000	-.01820	.29270	.04340	-.09280	-.00540	.00130	.00090
.500	5.000	-.01320	.37650	.04600	-.11620	-.00540	.00140	.00080
.500	6.000	-.00920	.45970	.04990	-.13830	-.00500	.00130	.00050
.500	7.000	-.01000	.54160	.05500	-.15630	-.00460	.00130	.00040
.500	8.000	-.01440	.61690	.06240	-.16880	-.00440	.00130	.00030
.500	9.000	-.01250	.68540	.07280	-.17750	-.00420	.00130	.00020
.500	10.000	-.00740	.74930	.08730	-.18610	-.00370	.00120	.00010
.500	11.000	-.01070	.80980	.10620	-.19510	-.00350	.00140	.00010
.500	12.000	-.02060	.86760	.12950	-.20540	-.00470	.00230	.00010
GRADIENT		.00104	.08814	-.00134	-.02275	.00008	.00003	-.00007

CAS KI FO H15.8 V9.1 MINUS ORB NOZ AT38.3

(86M126) (21 JAN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5300.0000 SQ.FT. XMRP = 1338.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 TORB = 4.000

RUN NO. 531/ 0 RN/L = 3.28 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.600	-2.000	-.02200	-.25890	.05850	.03740	-.00710	.00140	.00150
.600	-1.000	-.01970	-.16180	.05010	.01710	-.00640	.00130	.00110
.600	.000	-.02050	-.06550	.04490	-.00480	-.00640	.00140	.00090
.600	1.000	-.02370	.02650	.04250	-.02760	-.00660	.00150	.00070
.600	2.000	-.02020	.11610	.04180	-.05100	-.00610	.00150	.00080
.600	3.000	-.01410	.20570	.04210	-.07450	-.00570	.00140	.00090
.600	4.000	-.01320	.29360	.04370	-.09720	-.00540	.00130	.00090
.600	5.000	-.01480	.38020	.04680	-.11930	-.00490	.00120	.00070
.600	6.000	-.01330	.46760	.05120	-.13990	-.00420	.00110	.00030
.600	7.000	-.01100	.55240	.05770	-.15560	-.00350	.00110	.00010
.600	8.000	-.01050	.62870	.06750	-.16580	-.00330	.00110	.00020
.600	9.000	-.01680	.69790	.08110	-.17510	-.00390	.00130	.00050
.600	10.000	-.02530	.76360	.09850	-.18690	-.00460	.00150	.00070
.600	11.000	-.02720	.82360	.11940	-.19800	-.00430	.00160	.00070
.600	12.000	-.02390	.87760	.14320	-.20770	-.00410	.00180	.00050
GRADIENT		.00127	.09095	-.00148	-.02263	.00027	-.00002	-.00008

RUN NO. 530/ 0 RN/L = 3.62 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	BETA	DCL	DCD	DCLM	DCY	DCLN	DCSL
.700	-2.000	-.01850	-.27840	.06040	.02790	-.00710	.00120	.00170
.700	-1.000	-.01900	-.17900	.05110	.00820	-.00700	.00120	.00110
.700	.000	-.01910	-.07840	.04510	-.01200	-.00680	.00130	.00090
.700	1.000	-.01880	.01660	.04200	-.03170	-.00620	.00140	.00090
.700	2.000	-.01990	.11200	.04060	-.05450	-.00590	.00140	.00100
.700	3.000	-.01720	.20720	.04100	-.07850	-.00570	.00150	.00100
.700	4.000	-.01540	.30030	.04300	-.10170	-.00510	.00130	.00090
.700	5.000	-.01870	.39070	.04640	-.12140	-.00430	.00120	.00080
.700	6.000	-.02180	.47930	.05210	-.13580	-.00330	.00110	.00060
.700	7.000	-.01920	.56450	.06180	-.14720	-.00280	.00100	.00060
.700	8.000	-.01640	.64150	.07620	-.15980	-.00310	.00110	.00090
.700	9.000	-.01680	.70870	.09440	-.17510	-.00400	.00130	.00110
.700	10.000	-.01930	.77090	.11460	-.18840	-.00380	.00130	.00100
.700	11.000	-.02040	.82970	.13610	-.19800	-.00270	.00100	.00080
.700	12.000	-.01550	.88010	.15850	-.21130	-.00280	.00100	.00100
GRADIENT		.00025	.09562	-.00181	-.02163	.00039	.00001	-.00008

CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38.3

(BGM127) (21 JAN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348.0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2 000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = 000 S3-4 = 000
 S5-6 = 000 IORB = 4 000

RUN NO. 538/ 0 RN/L = 1.92 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
300	-12.000	5.79790	.44040	.03900	-.12910	.19530	-.01050	.01790
300	-10.000	5.79980	.43950	.04140	-.13180	.15580	-.00720	.01530
300	-8.000	5.80180	.43540	.04350	-.12570	.11740	-.00360	.01240
.300	-6.000	5.80270	.43410	.04520	-.12100	.08020	-.00070	.00940
.300	-4.000	5.80320	.43750	.04640	-.12240	.04540	.00110	.00640
300	-3.000	5.80320	.44150	.04680	-.12620	.02930	.00160	.00490
300	-2.000	5.80270	.44590	.04730	-.13090	.01450	.00180	.00350
.300	-1.000	5.80220	.44790	.04760	-.13390	.00190	.00160	.00210
.300	.000	5.80220	.44740	.04760	-.13330	-.01000	.00150	.00060
.300	1.000	5.80320	.44570	.04750	-.12930	-.02370	.00160	-.00090
.300	2.000	5.80370	.44430	.04730	-.12560	-.03930	.00210	-.00230
.300	3.000	5.80420	.44370	.04710	-.12400	-.05590	.00260	-.00370
300	4.000	5.80320	.44330	.04690	-.12300	-.07230	.00310	-.00510
.300	6.000	5.79980	.44330	.04580	-.12220	-.10570	.00440	-.00790
300	8.000	5.79690	.44440	.04380	-.12510	-.14230	.00670	-.01080
.300	10.000	5.79590	.44510	.04090	-.12770	-.18180	.00980	-.01360
.300	12.000	5.79390	.44190	.03770	-.12190	-.22210	.01270	-.01610
GRADIENT		.00010	.00041	.00005	.00032	-.01433	.00019	-.00144

RUN NO. 537/ 0 RN/L = 2.91 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DCSL
500	-12.000	5.79200	.43680	.04070	-.12620	.20260	-.01060	.01790
.500	-10.000	5.79540	.43870	.04270	-.12640	.16070	-.00740	.01530
500	-8.000	5.79690	.43800	.04500	-.12420	.12320	-.00440	.01250
.500	-6.000	5.79790	.43820	.04710	-.12330	.08650	-.00150	.00960
.500	-4.000	5.79790	.44110	.04880	-.12610	.05030	.00100	.00660
.500	-3.000	5.79740	.44470	.04940	-.12950	.03360	.00170	.00520
.500	-2.000	5.79690	.44950	.04970	-.13400	.01890	.00180	.00370
500	-1.000	5.79640	.45260	.04990	-.13730	.00620	.00150	.00230
.500	.000	5.79640	.45220	.05000	-.13740	-.00640	.00120	.00080
.500	1.000	5.79690	.44960	.05000	-.13420	-.02030	.00110	-.00070
.500	2.000	5.79690	.44710	.05000	-.13100	-.03630	.00150	-.00210
.500	3.000	5.79690	.44560	.04960	-.12900	-.05360	.00220	-.00350
.500	4.000	5.79640	.44480	.04910	-.12730	-.07090	.00290	-.00490
.500	6.000	5.79640	.44400	.04740	-.12510	-.10620	.00450	-.00770
.500	8.000	5.79590	.44330	.04530	-.12530	-.14410	.00640	-.01030
.500	10.000	5.79590	.44150	.04290	-.12500	-.18440	.00890	-.01300
.500	12.000	5.79540	.43820	.04020	-.11840	-.22600	.01240	-.01580
GRADIENT		-.00012	.00016	.00004	.00010	-.01472	.00013	-.00144

CAS K1 F0 H15.6 V9.1 MINUS ORB NOZ AT38.3

(BOM127) (21 JAN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9100 IN. XC
 LREF = 327.8000 IN. YMRP = .0000 IN. YC
 BREF = 2348 0000 IN. ZMRP = 190.7500 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

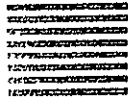
ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-2 = .000 S3-4 = .000
 S5-6 = .000 10RB = 4.000

RUN NO. 536/ 0 RN/L = 3.26 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DOSL
.600	-12.000	5.79100	.43750	.04160	-.11090	.20600	-.01010	.01820
.600	-10.000	5.79000	.44490	.04300	-.12270	.16650	-.00760	.01590
.600	-8.000	5.79150	.44380	.04520	-.12110	.12720	-.00440	.01320
.600	-6.000	5.79250	.44370	.04770	-.12010	.08880	-.00140	.01020
.600	-4.000	5.79300	.44820	.04970	-.12600	.05250	.00090	.00700
.600	-3.000	5.79250	.45180	.05040	-.13160	.03590	.00160	.00540
.600	-2.000	5.79200	.45520	.05060	-.13750	.02090	.00180	.00390
.600	-1.000	5.79150	.45730	.05070	-.14150	.00750	.00150	.00240
.600	.000	5.79150	.45740	.05080	-.14160	-.00520	.00100	.00080
.600	1.000	5.79200	.45600	.05090	-.13810	-.01920	.00080	-.00080
.600	2.000	5.79200	.45410	.05100	-.13310	-.03570	.00110	-.00230
.600	3.000	5.79150	.45260	.05080	-.12860	-.05370	.00190	-.00370
.600	4.000	5.79200	.45170	.05030	-.12540	-.07180	.00260	-.00510
.600	6.000	5.79200	.45090	.04860	-.12340	-.10790	.00400	-.00800
.600	8.000	5.79200	.44960	.04640	-.12600	-.14620	.00590	-.01090
.600	10.000	5.79200	.44640	.04390	-.12640	-.18710	.00860	-.01370
.600	12.000	5.79300	.43630	.04160	-.10960	-.23020	.01240	-.01600
GRADIENT		-.00011	.00022	.00008	.00039	-.01510	.00009	-.00152

RUN NO. 535/ 0 RN/L = 3.58 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	ALPHAW	DCL	DCD	DCLM	DCY	DCLN	DOSL
.700	-12.000	5.77930	.44210	.04250	-.09700	.21400	-.01050	.01970
.700	-10.000	5.77980	.45130	.04300	-.10370	.17410	-.00760	.01710
.700	-8.000	5.78030	.45160	.04530	-.10800	.13270	-.00400	.01410
.700	-6.000	5.78120	.45180	.04830	-.11460	.09280	-.00100	.01080
.700	-4.000	5.78220	.45550	.05080	-.12420	.05630	.00090	.00750
.700	-3.000	5.78170	.45860	.05130	-.12990	.03930	.00130	.00590
.700	-2.000	5.78080	.46170	.05120	-.13470	.02360	.00130	.00430
.700	-1.000	5.78030	.46360	.05100	-.13630	.00920	.00120	.00250
.700	.000	5.78080	.46340	.05110	-.13490	-.00460	.00100	.00060
.700	1.000	5.78170	.46130	.05150	-.13180	-.01920	.00080	-.00110
.700	2.000	5.78220	.45880	.05180	-.12860	-.03610	.00100	-.00260
.700	3.000	5.78220	.45700	.05170	-.12590	-.05470	.00160	-.00410
.700	4.000	5.78170	.45610	.05120	-.12390	-.07350	.00240	-.00570
.700	6.000	5.78220	.45600	.04930	-.12200	-.11120	.00400	-.00880
.700	8.000	5.78170	.45580	.04680	-.12210	-.15110	.00610	-.01200
.700	10.000	5.78170	.45340	.04440	-.12140	-.19320	.00880	-.01510
.700	12.000	5.78220	.44620	.04310	-.11440	-.23790	.01250	-.01790
GRADIENT		.00006	-.00018	.00008	.00050	-.01582	.00010	-.00167



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

BTWT-1431CA5 STRUT T+1 CORR K1+F0 H1S 1A V9.1 C

(RDMC01) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327 7800 IN. YMRP = 0000 IN YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2 000
 RUD-U = .000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-12 = .000

RUN NO. 31/ 0 RN/L = .98 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.150	-2.000	.10320	.04160	.10280	-.00740	.00160	-.00040
.150	-1.000	.06540	.04170	.11160	-.00990	.00170	-.00040
.150	.000	.06280	.04140	.11340	-.01230	.00170	-.00010
.150	1.000	.08810	.04070	.10170	-.01170	.00160	.00010
.150	2.000	.08860	.03990	.09610	-.01040	.00180	-.00020
.150	3 000	.07730	.03910	.10010	-.01150	.00200	-.00020
.150	4.000	.07770	.03650	.10130	-.01120	.00170	-.00010
.150	5.000	.07470	.03740	.10050	-.00870	.00130	-.00010
.150	6.000	.07350	.03620	.09740	-.00720	.00110	-.00020
.150	7.000	.07310	.03560	.09760	-.00710	.00110	-.00030
.150	8 000	.07020	.03540	.10150	-.00680	.00140	-.00030
.150	9.000	.06480	.03500	.10440	-.00760	.00190	-.00030
.150	10 000	.06240	.03580	.10310	-.00860	.00210	-.00050
.150	11.000	.06350	.03810	.10050	-.00850	.00150	-.00050
.150	12.000	.06020	.03920	.10110	-.00920	.00120	-.00030
.150	13.000	.05580	.03960	.10390	-.01050	.00170	-.00020
.150	14.000	.05630	.04190	.11040	-.01000	.00240	-.00040
	GRADIENT	-.00112	-.00063	-.00135	-.00014	-.00001	.00004

RUN NO. 17/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-2.000	.09050	.04220	.12060	-.00450	-.00010	.00040
.300	-1 000	.08900	.04240	.11690	-.00450	-.00040	.00060
.300	.000	.08560	.04210	.11360	-.00460	-.00050	.00060
.300	1.000	.08010	.04130	.11210	-.00500	-.00030	.00040
.300	2.000	.07320	.04060	.11150	-.00520	-.00030	.00040
.300	3 000	.07020	.04000	.11220	-.00470	-.00040	.00020
.300	4.000	.06940	.03930	.11400	-.00410	-.00050	.00010
.300	5.000	.06760	.03830	.11450	-.00370	-.00050	.00010
.300	6.000	.06450	.03700	.11370	-.00410	-.00050	.00020
.300	7.000	.06060	.03580	.11220	-.00500	-.00050	.00020
.300	8.000	.05710	.03460	.11200	-.00510	-.00040	.00020
.300	9.000	.05370	.03390	.11490	-.00490	-.00020	.00030
.300	10.000	.04800	.03490	.11870	-.00510	.00000	-.00010
.300	11 000	.04240	.03840	.12100	-.00390	-.00080	-.00040
.300	12 000	.03910	.04220	.12100	-.00270	-.00150	-.00020
.300	13 000	.03680	.04430	.12240	-.00370	-.00110	.00000
.300	14.000	.03490	.04470	.12620	-.00580	-.00010	.00010
	GRADIENT	-.00371	-.00059	-.00074	.00008	-.00004	-.00007

ORIGINAL PAGE IS
OF POOR QUALITY.

BTWT-1431CA5 STRUT T+I CORR K1+F0 H15.1A V9.1 C

(RGMCO1) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

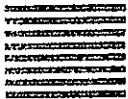
BETA = .000 STAB = -2 000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3 000
 S1-12 = .000

RUN NO. 18/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.499	-2.000	.11720	.04360	.14510	-.00140	-.00010	.00030
.499	-1.000	.11380	.04440	.14320	-.00170	-.00040	.00040
.499	.000	.10790	.04470	.14020	-.00200	-.00050	.00050
.499	1.000	.10100	.04430	.13670	-.00230	-.00050	.00040
.499	2.000	.09490	.04370	.13590	-.00220	-.00050	.00030
.499	3.000	.08920	.04310	.13720	-.00180	-.00080	.00020
.499	4.000	.08410	.04250	.13820	-.00150	-.00070	.00010
.499	5.000	.08000	.04140	.13850	-.00150	-.00070	.00000
.499	6.000	.07680	.04010	.13870	-.00170	-.00060	.00010
.499	7.000	.07330	.03880	.13890	-.00210	-.00060	.00010
.499	8.000	.06750	.03790	.13990	-.00190	-.00060	.00000
.499	9.000	.05960	.03850	.14430	-.00200	-.00040	-.00010
.499	10.000	.05060	.04050	.15110	-.00270	-.00030	.00020
.499	11.000	.04220	.04340	.15660	-.00270	-.00040	.00040
.499	12.000	.03700	.04700	.16680	-.00160	-.00090	.00020
.499	13.000	.03470	.04990	.16510	-.00130	-.00100	.00010
.499	14.000	.03330	.05060	.15920	-.00310	-.00040	.00060
	GRADIENT	-.00561	-.00035	-.00096	.00001	-.00008	-.00005

RUN NO. 15/ 0 RN/L = 3.14 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-2.000	.13780	.04560	.16070	-.00020	-.00040	.00020
.600	-1.000	.13440	.04710	.15910	-.00100	-.00040	.00070
.600	.000	.12940	.04770	.15530	-.00080	-.00050	.00060
.600	1.000	.12250	.04770	.15290	-.00050	-.00070	.00050
.600	2.000	.11440	.04720	.15180	-.00080	-.00070	.00050
.600	3.000	.10700	.04650	.15200	-.00090	-.00080	.00030
.600	4.000	.10170	.04560	.15210	-.00100	-.00080	.00020
.600	5.000	.09720	.04440	.15220	-.00130	-.00060	.00010
.600	6.000	.09200	.04300	.15240	-.00170	-.00050	.00010
.600	7.000	.08380	.04180	.15470	-.00190	-.00050	.00000
.600	8.000	.07490	.04170	.15920	-.00180	-.00050	-.00020
.600	9.000	.06590	.04290	.16580	-.00170	-.00040	-.00020
.600	10.000	.05650	.04570	.17400	-.00120	-.00060	-.00010
.600	11.000	.04400	.04960	.18160	-.00030	-.00090	-.00020
.600	12.000	.03700	.05330	.18400	.00010	-.00120	-.00030
.600	13.000	.03750	.05500	.18170	-.00090	-.00080	.00000
.600	14.000	.03360	.05560	.18310	-.00140	-.00030	.00030
	GRADIENT	-.00623	-.00024	-.00120	-.00010	-.00005	-.00005



DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 531

BTWT-1431CA5 STRUT T+1 CORR K1+F0 H15.1A V9.1 C

(RGMCD1) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-IB = .000 ELV-OB = 3.000
 S1-12 = .000

RUN NO. 13/ 0 RN/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-2.000	.16930	.04830	.18410	.00030	-.00010	.00000
.700	-1.000	.16660	.05060	.17860	.00030	-.00030	.00070
.700	.000	.15910	.05220	.17520	-.00050	-.00030	.00040
.700	1.000	.15090	.05270	.17230	-.00070	-.00050	.00010
.700	2.000	.14200	.05250	.16970	-.00010	-.00080	-.00010
.700	3.000	.13180	.05200	.17040	-.00020	-.00090	.00010
.700	4.000	.12330	.05120	.17170	-.00050	-.00080	.00000
.700	5.000	.11690	.05000	.17270	-.00090	-.00070	-.00020
.700	6.000	.10970	.04880	.17360	-.00150	-.00050	-.00030
.700	7.000	.10040	.04820	.17620	-.00170	-.00040	-.00030
.700	8.000	.08970	.04920	.18320	-.00160	-.00040	-.00030
.700	9.000	.07700	.05190	.19350	-.00130	-.00030	-.00040
.700	10.000	.06290	.05530	.20270	-.00080	-.00030	-.00040
.700	11.000	.05160	.05800	.20800	-.00030	-.00050	-.00050
.700	12.000	.04470	.06080	.20730	.00000	-.00050	-.00070
.700	13.000	.03670	.06200	.20590	.00020	-.00050	-.00070
.700	14.000	.02770	.05820	.21490	.00070	-.00050	-.00050
	GRADIENT	-.00802	.00017	-.00156	-.00013	-.00010	-.00007

ORIGINAL PAGE IS OF POOR QUALITY

BTWT-1431CA5 STRUT T+I CORR K1+FO H15.1A V9.1 C

(R0MC02) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

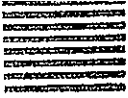
ALPHA1 = 2.000 STAB = -2.000
 RUD-U = .000 RUD-L = 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 18/ 0 RN/L = 1.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.08310	.03800	.08060	.03810	-.00760	.00640
.300	-10.000	.07950	.03910	.09400	.03220	-.00690	.00540
.300	-8.000	.07500	.03980	.10450	.02680	-.00640	.00440
.300	-6.000	.07060	.04020	.11100	.02120	-.00570	.00340
.300	-4.000	.06710	.04020	.11410	.01460	-.00460	.00250
.300	-3.000	.06570	.04030	.11570	.01050	-.00380	.00200
.300	-2.000	.06430	.04040	.11770	.00570	-.00280	.00150
.300	-1.000	.06280	.04040	.11880	.00100	-.00160	.00100
.300	.000	.06220	.04020	.11870	-.00340	-.00040	.00040
.300	1.000	.06250	.04000	.11770	-.00730	.00080	-.00020
.300	2.000	.06280	.03990	.11610	-.01140	.00200	-.00090
.300	3.000	.06280	.03980	.11490	-.01580	.00300	-.00160
.300	4.000	.06340	.03980	.11350	-.02010	.00390	-.00220
.300	6.000	.06610	.03960	.10940	-.02770	.00550	-.00310
.300	8.000	.06960	.03950	.10390	-.03410	.00680	-.00410
.300	10.000	.07400	.03910	.09690	-.03980	.00770	-.00510
.300	12.000	.07960	.03790	.08710	-.04640	.00840	-.00590
	GRADIENT	-.00045	-.00007	-.00015	-.00434	.00111	-.00059

RUN NO. 19/ 0 RN/L = 2.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.10190	.04090	.10230	.03830	-.00750	.00680
.500	-10.000	.10060	.04210	.11390	.03220	-.00710	.00580
.500	-8.000	.09710	.04300	.12300	.02610	-.00630	.00460
.500	-6.000	.09370	.04340	.13010	.02030	-.00550	.00360
.500	-4.000	.09120	.04360	.13530	.01450	-.00470	.00270
.500	-3.000	.09030	.04370	.13690	.01120	-.00420	.00230
.500	-2.000	.08940	.04390	.13790	.00740	-.00330	.00180
.500	-1.000	.08840	.04400	.13910	.00320	-.00210	.00110
.500	.000	.08790	.04390	.14030	-.00110	-.00070	.00040
.500	1.000	.08860	.04370	.14020	-.00530	.00060	-.00030
.500	2.000	.08940	.04340	.13860	-.00940	.00170	-.00090
.500	3.000	.08980	.04340	.13660	-.01330	.00270	-.00160
.500	4.000	.08980	.04340	.13530	-.01710	.00360	-.00220
.500	6.000	.09050	.04330	.13190	-.02440	.00530	-.00350
.500	8.000	.09340	.04300	.12430	-.03130	.00670	-.00460
.500	10.000	.09800	.04240	.11390	-.03760	.00760	-.00560
.500	12.000	.10190	.04170	.10580	-.04320	.00790	-.00660
	GRADIENT	-.00011	-.00005	.00003	-.00403	.00111	-.00063



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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BTWT-1431CA5 STRUT T+I CORR K1+FO H15.1A V9.1 C

(RGMCO2) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA = 2 000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3 000
 SI-12 = .000

RUN NO. 20/ 0 RN/L = 3.18 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.12020	.04380	.11620	.03880	-.00810	.00770
.600	-10.000	.11810	.04540	.12890	.03270	- 00730	00650
.600	-8.000	.11530	.04630	.13870	.02630	- 00660	00520
.600	-6.000	.11320	.04680	.14580	.02010	-.00590	.00400
.600	-4.000	.11200	.04700	.15030	.01420	-.00490	.00300
.600	-3 000	.11170	.04710	.15190	.01110	-.00420	00250
.600	-2 000	.11120	.04720	.15340	.00760	-.00320	.00190
.600	-1.000	.11050	.04730	.15430	.00360	-.00200	.00130
.600	.000	.10970	.04720	.15410	-.00070	-.00060	.00050
.600	1 000	.10960	.04700	.15340	- 00510	.00080	-.00030
.600	2.000	.11000	.04680	.15260	-.00900	.00200	-.00100
.600	3.000	.10990	.04680	.15230	-.01230	.00290	-.00160
.600	4.000	.10940	.04690	.15210	-.01560	.00370	- 00220
.600	6.000	.10880	.04700	.14970	-.02240	.00510	-.00340
.600	8.000	.11130	.04670	.14240	- 02950	.00650	- 00470
.600	10.000	.11600	.04590	.13130	- 03650	.00760	-.00610
.600	12.000	.11850	.04490	.12030	-.04180	.00790	- 00720
	GRADIENT	-.00032	-.00004	.00010	-.00385	.00115	- 00067

RUN NO 21/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.14710	.04870	.13990	.03960	-.00780	.00860
.700	-10.000	.14290	.05030	.15040	.03220	-.00730	00720
.700	-8.000	.14000	.05140	.15720	.02540	-.00650	00590
.700	-6.000	.13970	.05190	.16310	.01940	-.00590	.00470
.700	-4.000	.13880	.05220	.16840	.01390	- 00520	00340
.700	-3.000	.13900	.05230	.17010	.01080	-.00450	.00270
.700	-2.000	.13930	.05250	.17080	.00740	- 00340	.00200
.700	-1.000	.13950	.05270	.17100	.00390	-.00220	.00120
.700	.000	.13930	.05270	.17100	.00020	-.00090	.00030
.700	1.000	.13900	.05260	.17140	-.00380	00050	-.00060
.700	2.000	.13880	.05250	.17150	-.00780	.00180	- 00150
.700	3.000	.13830	.05220	.17130	-.01130	.00290	-.00230
.700	4.000	.13740	.05220	.17160	-.01440	.00370	-.00300
.700	6.000	.13570	.05230	.17150	-.02040	.00500	- 00420
.700	8.000	.13630	.05220	.16620	-.02720	00630	-.00560
.700	10.000	.13910	.05150	.15440	-.03440	.00730	-.00710
.700	12.000	.14180	.05010	.13720	-.04050	.00740	-.00830
	GRADIENT	-.00015	- 00001	.00030	-.00363	.00118	- 00082

ORIGINAL PAGE IS
OF POOR QUALITY.

BTWT-1431CAS STRUT T+I CORR K1+F0 H15.1A V9.1 C

(RGMC03) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = 000 RUD-L = 000
 ELV-18 = 000 ELV-09 = 3.000
 S1-12 = .000

RUN NO. 30/ 0 RN/L = .97 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.150	-12.000	.06190	.03260	.07930	.03320	-.00650	.00490
.150	-10.000	.06090	.03380	.08580	.02980	-.00540	.00400
.150	-8.000	.05910	.03420	.09680	.02640	-.00460	.00320
.150	-6.000	.05730	.03430	.10440	.02160	-.00400	.00240
.150	-4.000	.05560	.03460	.10670	.01490	-.00340	.00150
.150	-3.000	.05360	.03490	.10640	.01070	-.00290	.00110
.150	-2.000	.05080	.03520	.10710	.00610	-.00220	.00080
.150	-1.000	.04940	.03540	.11070	.00140	-.00130	.00050
.150	.000	.04930	.03540	.11370	-.00310	-.00020	.00010
.150	1.000	.04870	.03500	.11220	-.00720	.00080	-.00050
.150	2.000	.04910	.03460	.10900	-.01140	.00190	-.00100
.150	3.000	.05080	.03450	.10780	-.01590	.00290	-.00160
.150	4.000	.05280	.03490	.10720	-.02010	.00380	-.00220
.150	6.000	.05620	.03590	.10440	-.02700	.00510	-.00310
.150	8.000	.05670	.03580	.09750	-.03290	.00600	-.00390
.150	10.000	.05430	.03460	.08920	-.03870	.00660	-.00460
.150	12.000	.05410	.03320	.08590	-.04650	.00800	-.00570
	GRADIENT	-.00040	-.00003	.00019	-.00439	.00094	-.00046

RUN NO. 25/ 0 RN/L = 1.84 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.06680	.03430	.09210	.03600	-.00680	.00560
.300	-10.000	.06340	.03500	.10320	.03090	-.00580	.00480
.300	-8.000	.06240	.03540	.11060	.02660	-.00550	.00370
.300	-6.000	.05990	.03570	.11680	.02180	-.00500	.00280
.300	-4.000	.05510	.03590	.12210	.01560	-.00400	.00190
.300	-3.000	.05290	.03590	.12390	.01200	-.00330	.00140
.300	-2.000	.05170	.03590	.12490	.00820	-.00250	.00090
.300	-1.000	.05150	.03580	.12570	.00410	-.00160	.00050
.300	.000	.05180	.03580	.12570	-.00020	-.00040	.00000
.300	1.000	.05170	.03570	.12430	-.00450	.00080	-.00060
.300	2.000	.05080	.03560	.12240	-.00890	.00190	-.00130
.300	3.000	.05040	.03550	.12100	-.01290	.00280	-.00190
.300	4.000	.05170	.03540	.11960	-.01700	.00360	-.00250
.300	6.000	.05650	.03530	.11620	-.02490	.00500	-.00320
.300	8.000	.06050	.03540	.11150	-.03130	.00590	-.00400
.300	10.000	.06370	.03550	.10460	-.03670	.00660	-.00490
.300	12.000	.06760	.03510	.09410	-.04290	.00760	-.00580
	GRADIENT	-.00036	-.00007	-.00042	-.00413	.00100	-.00055

BTWT-1431CA5 STRUT T+I CORR K1+FO H15.1A V9.1 C

(RGMC03) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

ALPHA = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 SI-12 = 000

RUN NO. 24/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.08370	.03810	.10860	.03570	- .00640	.00680
.500	-10.000	.08050	.03910	.11950	.03110	-.00570	.00570
.500	-8.000	.07770	.03940	.12890	.02510	-.00490	.00440
.500	-6.000	.07510	.03950	.13480	.01970	-.00450	.00330
.500	-4.000	.07240	.03950	.13770	.01470	-.00420	.00230
.500	-3.000	.07050	.03950	.13940	.01170	- .00390	.00180
.500	-2.000	.06880	.03950	.14150	.00790	-.00300	.00130
.500	-1.000	.06790	.03950	.14250	.00360	-.00190	.00070
.500	.000	.06780	.03950	.14230	-.00070	-.00050	-.00010
.500	1.000	.06810	.03950	.14160	- .00480	.00070	-.00090
.500	2.000	.06850	.03940	.14080	- .00890	.00190	-.00160
.500	3.000	.06910	.03950	.13980	-.01310	.00300	- .00210
.500	4.000	.07030	.03960	.13840	-.01690	.00380	-.00270
.500	6.000	.07380	.03980	.13390	-.02370	.00490	-.00380
.500	8.000	.07770	.03970	.12800	-.02950	.00570	- .00480
.500	10.000	.08160	.03950	.12000	-.03510	.00650	- .00590
.500	12.000	.08540	.03920	.10940	-.04160	.00730	-.00690
	GRADIENT	-.00022	- .00001	.00003	-.00405	.00108	-.00065

RUN NO. 23/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.09590	.04170	.12260	.03620	- .00640	.00750
.600	-10.000	.09140	.04260	.13410	.03010	-.00550	.00620
.600	-8.000	.08960	.04310	.14250	.02470	- .00490	.00480
.600	-6.000	.08760	.04310	.14770	.01970	- .00460	.00360
.600	-4.000	.08470	.04280	.15110	.01450	- .00430	.00260
.600	-3.000	.08360	.04270	.15300	.01150	-.00390	.00210
.600	-2.000	.08320	.04280	.15550	.00810	- .00310	.00150
.600	-1.000	.08260	.04280	.15820	.00400	- .00190	.00070
.600	.000	.08200	.04280	.15990	- .00070	-.00040	-.00010
.600	1.000	.08180	.04270	.15900	-.00540	.00110	-.00090
.600	2.000	.08160	.04260	.15580	-.00930	.00230	-.00170
.600	3.000	.08200	.04260	.15230	- .01250	.00310	-.00240
.600	4.000	.08270	.04290	.15000	-.01570	.00370	-.00300
.600	6.000	.08450	.04330	.14740	-.02230	.00500	-.00410
.600	8.000	.08780	.04330	.14320	-.02870	.00590	-.00520
.600	10.000	.09250	.04280	.13550	- .03460	.00640	- .00640
.600	12.000	.09740	.04270	.12400	-.03960	.00660	-.00780
	GRADIENT	-.00028	- .00001	-.00008	-.00395	.00111	-.00073

ORIGINAL PAGE IS
 OF POOR QUALITY

BTWT-1431CAS STRUT T+I CORR K1+F0 H15.1A V9.1 C

(RGMCO3) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 22/ 0 RN/L = 3.43 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.11670	.04820	.13490	.03410	- .00550	.00910
.700	-10.000	.11040	.04930	.14590	.02700	- .00490	.00720
.700	-8.000	.10860	.04930	.15720	.02310	- .00500	.00550
.700	-6.000	.10750	.04880	.16490	.01910	- .00500	.00420
.700	-4.000	.10550	.04830	.16910	.01360	- .00460	.00290
.700	-3.000	.10500	.04830	.17160	.01040	- .00400	.00230
.700	-2.000	.10520	.04840	.17470	.00720	- .00310	.00150
.700	-1.000	.10520	.04850	.17670	.00360	- .00200	.00070
.700	.000	.10480	.04850	.17750	- .00050	- .00070	- .00010
.700	1.000	.10380	.04840	.17630	- .00470	.00070	- .00090
.700	2.000	.10330	.04830	.17370	- .00840	.00190	- .00180
.700	3.000	.10370	.04840	.17150	- .01160	.00280	- .00270
.700	4.000	.10450	.04860	.17000	- .01460	.00360	- .00340
.700	5.000	.10570	.04920	.16700	- .02040	.00460	- .00480
.700	6.000	.10720	.04970	.16150	- .02560	.00510	- .00620
.700	8.000	.11000	.05000	.15260	- .03090	.00550	- .00760
.700	10.000	.11690	.04980	.13970	- .03740	.00590	- .00930
.700	12.000	.11690	.04980	.13970	- .03740	.00590	- .00930
	GRADIENT	-.00022	.00002	.00001	-.00364	.00110	- .00081



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

PAGE 537

BTWT-1431CA5 STRUT T+I CORR KI+FO HIS.IA V9.1 C

(R0MC04) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 180.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 8.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 28/ 0 RN/L = 1.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.06010	.03230	.09230	.03480	-.00590	.00520
.300	-10.000	.06130	.03340	.10290	.02960	-.00490	.00430
.300	-8.000	.05820	.03350	.11280	.02530	-.00430	.00350
.300	-6.000	.05520	.03350	.11860	.02080	-.00400	.00260
.300	-4.000	.05390	.03360	.12060	.01530	-.00340	.00190
.300	-3.000	.05360	.03360	.12130	.01200	-.00290	.00150
.300	-2.000	.05290	.03360	.12280	.00800	-.00230	.00110
.300	-1.000	.05180	.03350	.12460	.00370	-.00140	.00070
.300	.000	.05080	.03350	.12520	-.00080	-.00040	.00020
.300	1.000	.05040	.03340	.12400	-.00530	.00070	-.00050
.300	2.000	.05060	.03340	.12230	-.00910	.00170	-.00120
.300	3.000	.05180	.03350	.12070	-.01210	.00250	-.00180
.300	4.000	.05310	.03360	.11940	-.01530	.00320	-.00230
.300	6.000	.05570	.03380	.11630	-.02250	.00430	-.00300
.300	8.000	.05980	.03390	.11180	-.02950	.00530	-.00370
.300	10.000	.06470	.03370	.10390	-.03590	.00620	-.00460
.300	12.000	.06930	.03370	.09190	-.04140	.00700	-.00550
	GRADIENT	-.00024	-.00001	-.00014	-.00396	.00088	-.00054

RUN NO. 28/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.07710	.03660	.10710	.03650	-.00560	.00610
.500	-10.000	.07250	.03780	.11990	.03040	-.00510	.00510
.500	-8.000	.06960	.03770	.13180	.02470	-.00410	.00410
.500	-6.000	.06690	.03750	.13840	.01930	-.00350	.00320
.500	-4.000	.06400	.03750	.13970	.01380	-.00330	.00220
.500	-3.000	.06250	.03750	.14110	.01080	-.00310	.00180
.500	-2.000	.06130	.03750	.14410	.00750	-.00260	.00120
.500	-1.000	.06070	.03750	.14600	.00370	-.00170	.00070
.500	.000	.06040	.03740	.14480	-.00050	-.00060	.00010
.500	1.000	.06020	.03750	.14240	-.00460	.00060	-.00070
.500	2.000	.06120	.03760	.14080	-.00860	.00160	-.00150
.500	3.000	.06270	.03760	.14000	-.01240	.00240	-.00220
.500	4.000	.06420	.03770	.13870	-.01580	.00300	-.00290
.500	6.000	.06680	.03790	.13410	-.02190	.00410	-.00380
.500	8.000	.06960	.03800	.12930	-.02810	.00490	-.00460
.500	10.000	.07290	.03800	.12290	-.03440	.00570	-.00540
.500	12.000	.07880	.03770	.11230	-.04040	.00630	-.00650
	GRADIENT	.00001	.00002	-.00029	-.00381	.00087	-.00065

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CA5 STRUT T+I CORR K1+FO H15.1A V9.1 C

(R0MC04) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 8.000 STAB = -2.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = 000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 27/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.08510	.04090	.12690	.03630	-.00540	.00660
.600	-10.000	.07950	.04110	.13930	.02980	-.00480	.00560
.600	-8.000	.07890	.04120	.14730	.02380	-.00390	.00440
.600	-6.000	.07780	.04120	.15210	.01870	-.00360	.00330
.600	-4.000	.07470	.04120	.15530	.01370	-.00360	.00240
.600	-3.000	.07320	.04110	.15780	.01060	-.00330	.00190
.600	-2.000	.07230	.04080	.16110	.00680	-.00240	.00130
.600	-1.000	.07190	.04080	.16370	.00300	-.00140	.00060
.600	.000	.07180	.04090	.16400	-.00070	-.00040	-.00020
.600	1.000	.07220	.04110	.16210	-.00430	.00070	-.00100
.600	2.000	.07280	.04120	.15950	-.00810	.00160	-.00180
.600	3.000	.07350	.04130	.15620	-.01180	.00250	-.00240
.600	4.000	.07470	.04150	.15230	-.01530	.00320	-.00310
.600	5.000	.07730	.04190	.14630	-.02160	.00430	-.00420
.600	8.000	.08010	.04210	.14320	-.02710	.00490	-.00500
.600	10.000	.08280	.04200	.13900	-.03230	.00540	-.00590
.600	12.000	.08620	.04210	.12490	-.03840	.00610	-.00720
	GRADIENT	.00004	.00005	-.00036	-.00367	.00091	-.00071

RUN NO. 26/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.10600	.04780	.14230	.03520	-.00480	.00890
.700	-10.000	.10290	.04870	.15300	.02830	-.00420	.00780
.700	-8.000	.09880	.04900	.15920	.02320	-.00420	.00640
.700	-6.000	.09470	.04880	.16510	.01880	-.00440	.00490
.700	-4.000	.09130	.04820	.17230	.01400	-.00410	.00330
.700	-3.000	.09030	.04790	.17660	.01100	-.00360	.00250
.700	-2.000	.08970	.04770	.18100	.00760	-.00270	.00160
.700	-1.000	.08900	.04760	.18510	.00380	-.00170	.00070
.700	.000	.08780	.04750	.18720	-.00020	-.00060	-.00020
.700	1.000	.08690	.04760	.18620	-.00420	.00050	-.00120
.700	2.000	.08740	.04790	.18230	-.00800	.00160	-.00220
.700	3.000	.08920	.04820	.17730	-.01180	.00260	-.00310
.700	4.000	.09140	.04850	.17310	-.01510	.00340	-.00400
.700	6.000	.09480	.04890	.16710	-.02040	.00420	-.00550
.700	8.000	.09750	.04960	.16130	-.02520	.00450	-.00700
.700	10.000	.10080	.05040	.15410	-.03030	.00480	-.00820
.700	12.000	.10800	.05060	.14240	-.03680	.00550	-.00950
	GRADIENT	-.00016	.00004	.00015	-.00373	.00099	-.00092

BTWT-1431CA5 STRUT T+I CORR KI+F0

V9.1 C

(RGMCO5) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ FT XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-12 = .000

RUN NO. 34/ 0 RN/L = .99 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.150	-2.000	.08990	.04210	.08190	-.00480	.00030	-.00030
.150	-1.000	.09670	.04250	.05960	-.01090	.00100	-.00030
.150	.000	.08900	.04130	.06200	-.00990	.00070	-.00020
.150	1.000	.07980	.04050	.06170	-.00780	.00030	-.00030
.150	2.000	.07460	.04010	.05580	-.00840	.00050	-.00010
.150	3.000	.07780	.03920	.05050	-.00940	.00050	-.00010
.150	4.000	.07580	.03910	.04620	-.00740	.00030	-.00020
.150	5.000	.07320	.03830	.04030	-.00680	.00000	-.00020
.150	6.000	.07200	.03730	.03490	-.00610	-.00010	-.00020
.150	7.000	.07250	.03680	.03180	-.00380	-.00020	-.00050
.150	8.000	.06650	.03580	.03160	-.00290	-.00020	-.00060
.150	9.000	.05390	.03490	.03230	-.00260	.00010	-.00050
.150	10.000	.04970	.03580	.02760	-.00320	.00050	-.00060
.150	11.000	.04610	.03760	.02620	-.00400	.00030	-.00080
.150	12.000	.04320	.03930	.03170	-.00510	.00000	-.00080
.150	13.000	.03910	.04060	.03450	-.00460	.00020	-.00040
.150	14.000	.03610	.04190	.02730	-.00430	.00080	-.00020
	GRADIENT	-.00309	-.00060	-.00475	.00005	-.00007	.00002

RUN NO. 38/ 0 RN/L = 1.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-2.000	.10640	.04150	.08470	-.00180	.00000	.00010
.300	-1.000	.10340	.04200	.07730	-.00290	.00000	.00010
.300	.000	.09900	.04200	.07010	-.00410	.00020	.00000
.300	1.000	.09400	.04140	.06440	-.00450	.00020	.00000
.300	2.000	.09130	.04070	.06140	-.00420	.00020	.00000
.300	3.000	.08890	.04050	.05690	-.00320	-.00010	.00000
.300	4.000	.08750	.04010	.05300	-.00230	-.00020	-.00010
.300	5.000	.08720	.03920	.04950	-.00190	-.00030	-.00030
.300	6.000	.08580	.03800	.04530	-.00180	-.00050	-.00020
.300	7.000	.08360	.03700	.04020	-.00190	-.00050	-.00010
.300	8.000	.08070	.03600	.03610	-.00160	-.00060	-.00010
.300	9.000	.07850	.03600	.03420	-.00250	-.00030	.00000
.300	10.000	.07480	.03770	.03350	-.00300	.00000	-.00030
.300	11.000	.06650	.04030	.03080	-.00230	-.00020	-.00080
.300	12.000	.06370	.04300	.02690	-.00180	-.00040	-.00080
.300	13.000	.06040	.04610	.02780	.00030	-.00140	-.00120
.300	14.000	.05820	.04450	.03210	.00240	-.00240	-.00190
	GRADIENT	-.00294	-.00037	-.00489	.00006	-.00006	-.00005

BTWT-1431CA5 STRUT T+I CORR K1+F0

V9.1 C

(RGMCO5) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = .000 S1-I2 = .000

RUN NO. 37/ 0 RN/L = 2.80 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-2.000	.12690	.04350	.10710	-.00030	-.00020	.00020
.500	-1.000	.12370	.04460	.10150	-.00100	-.00020	.00050
.500	.000	.11990	.04510	.09580	-.00110	-.00030	.00040
.500	1.000	.11440	.04460	.08880	-.00130	-.00040	.00020
.500	2.000	.11020	.04390	.08230	-.00090	-.00060	.00010
.500	3.000	.10660	.04370	.07500	-.00040	-.00080	.00010
.500	4.000	.10410	.04330	.07020	-.00030	-.00070	.00000
.500	5.000	.10180	.04240	.06490	-.00030	-.00070	-.00010
.500	6.000	.09940	.04150	.06030	-.00020	-.00070	-.00010
.500	7.000	.09610	.04060	.05610	-.00030	-.00070	.00000
.500	8.000	.09170	.04010	.05300	-.00060	-.00060	-.00020
.500	9.000	.08510	.04070	.05160	-.00090	-.00050	-.00020
.500	10.000	.07760	.04340	.05190	-.00060	-.00060	.00000
.500	11.000	.07080	.04690	.05000	.00010	-.00070	-.00010
.500	12.000	.06740	.05050	.04370	-.00010	-.00080	-.00020
.500	13.000	.06790	.05410	.03510	-.00090	-.00070	.00010
.500	14.000	.06730	.05630	.02830	-.00170	-.00030	.00010
GRADIENT		-.00378	-.00023	-.00616	.00007	-.00009	-.00007

RUN NO. 36/ 0 RN/L = 3.17 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-2.000	.14850	.04530	.12020	.00030	-.00020	.00010
.600	-1.000	.14690	.04700	.11470	-.00050	-.00030	.00060
.600	.000	.14220	.04760	.10860	-.00040	-.00040	.00040
.600	1.000	.13590	.04760	.10110	-.00020	-.00050	.00020
.600	2.000	.13100	.04740	.09320	.00020	-.00070	.00030
.600	3.000	.12580	.04690	.08730	.00030	-.00080	.00030
.600	4.000	.12080	.04630	.08230	.00030	-.00080	.00010
.600	5.000	.11680	.04550	.07670	.00030	-.00080	.00000
.600	6.000	.11290	.04440	.07080	.00010	-.00070	.00000
.600	7.000	.10770	.04370	.06690	.00010	-.00060	-.00010
.600	8.000	.10210	.04400	.06520	.00000	-.00050	-.00040
.600	9.000	.09520	.04540	.06360	.00030	-.00060	-.00040
.600	10.000	.08500	.04880	.06160	.00110	-.00100	-.00040
.600	11.000	.07420	.05300	.05930	.00150	-.00120	-.00070
.600	12.000	.07060	.05660	.05340	-.00020	-.00070	-.00060
.600	13.000	.07170	.05910	.04330	-.00140	-.00030	-.00010
.600	14.000	.07000	.06110	.03340	-.00070	-.00030	.00020
GRADIENT		-.00484	-.00005	-.00641	.00008	-.00010	-.00004

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 STRUT T+I CORR K1+F0

V9.1 C

(RGM05) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN YMRP = .0000 IN YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

BETA = .000 RUD-U = .000
 RUD-L = .000 SI-12 = .000

RUN NO. 35/ 0 RN/L = 3.50 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-2.000	.18230	.04820	.13740	.00150	-.00040	.00020
.700	-1.000	.17980	.05080	.12980	.00130	-.00040	.00040
.700	.000	.17530	.05250	.12330	.00060	-.00050	.00040
.700	1.000	.16820	.05320	.11650	.00040	-.00070	.00030
.700	2.000	.16110	.05320	.11000	.00050	-.00080	.00020
.700	3.000	.15450	.05270	.10310	.00060	-.00090	.00020
.700	4.000	.14790	.05200	.09530	.00080	-.00110	.00010
.700	5.000	.14190	.05120	.08790	.00040	-.00090	-.00010
.700	6.000	.13600	.05030	.08260	-.00010	-.00070	-.00020
.700	7.000	.12820	.05030	.08030	-.00030	-.00060	-.00030
.700	8.000	.11790	.05210	.07920	-.00010	-.00040	-.00030
.700	9.000	.10670	.05540	.07660	-.00010	-.00030	.00010
.700	10.000	.09640	.05940	.07280	-.00010	-.00030	.00010
.700	11.000	.08780	.06260	.06740	.00030	-.00050	-.00040
.700	12.000	.08270	.06590	.06650	.00110	-.00070	-.00070
.700	13.000	.07780	.06900	.06420	.00190	-.00090	-.00040
.700	14.000	.06980	.06740	.03750	.00270	-.00100	-.00020
	GRADIENT	-.00609	.00033	-.00698	-.00012	-.00010	-.00005

BTWT-1431CAS STRUT T+I CORR KI+FO H15.1A C

(R0MCO6) (20 JUN 75)

REFERENCE DATA

SREF = 8500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 8348.0400 IN. ZMRP = 180.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-1B = .000

RUN NO. 42/ 0 RN/L = 1.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.08670	.03780	.08410	.03030	-.00320	.00520
.300	-10.000	.08190	.03950	.09870	.02530	-.00300	.00420
.300	-8.000	.07680	.04030	.10950	.02120	-.00270	.00320
.300	-6.000	.07300	.04040	.11680	.01670	-.00240	.00230
.300	-4.000	.07090	.04010	.12090	.01100	-.00200	.00150
.300	-3.000	.07070	.03990	.12230	.00760	-.00170	.00120
.300	-2.000	.07050	.03970	.12380	.00400	-.00120	.00090
.300	-1.000	.06890	.03980	.12480	.00070	-.00080	.00050
.300	.000	.06730	.04000	.12410	-.00240	-.00040	.00010
.300	1.000	.06730	.03990	.12240	-.00540	.00010	-.00030
.300	2.000	.06870	.03970	.12080	-.00820	.00060	-.00070
.300	3.000	.07010	.03950	.11950	-.01120	.00100	-.00120
.300	4.000	.07150	.03970	.11780	-.01430	.00130	-.00170
.300	6.000	.07460	.04030	.11250	-.02010	.00160	-.00260
.300	8.000	.07930	.04040	.10580	-.02480	.00200	-.00330
.300	10.000	.08530	.03980	.09700	-.02880	.00230	-.00400
.300	12.000	.09110	.03870	.08430	-.03350	.00250	-.00500
	GRADIENT	-.00008	-.00005	-.00049	-.00313	.00043	-.00040

RUN NO. 41/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.10170	.04140	.10060	.03010	-.00290	.00600
.500	-10.000	.09750	.04270	.11670	.02530	-.00260	.00480
.500	-8.000	.09310	.04330	.12770	.02040	-.00240	.00380
.500	-6.000	.08990	.04360	.13590	.01540	-.00220	.00280
.500	-4.000	.08820	.04360	.14230	.01030	-.00180	.00200
.500	-3.000	.08750	.04350	.14420	.00780	-.00160	.00160
.500	-2.000	.08680	.04330	.14530	.00540	-.00130	.00130
.500	-1.000	.08620	.04320	.14650	.00270	-.00100	.00090
.500	.000	.08590	.04320	.14730	.00000	-.00070	.00050
.500	1.000	.08630	.04310	.14690	-.00260	-.00030	.00010
.500	2.000	.08630	.04320	.14620	-.00510	.00010	-.00030
.500	3.000	.08600	.04320	.14460	-.00760	.00050	-.00080
.500	4.000	.08610	.04340	.14170	-.01020	.00080	-.00140
.500	6.000	.08790	.04380	.13440	-.01550	.00120	-.00250
.500	8.000	.09120	.04380	.12730	-.02050	.00160	-.00350
.500	10.000	.09560	.04320	.11890	-.02540	.00200	-.00450
.500	12.000	.10040	.04200	.10510	-.03040	.00220	-.00560
	GRADIENT	-.00023	-.00003	.00002	-.00257	.00034	-.00041

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 STRUT T+I CORR K1+F0 H15.1A C

(RGMCO6) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348 0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 2.000 STAB = -2 000
 ELV-1B = .000 ELV-0B = 3 000
 SI-12 = .000

RUN NO. 40/ 0 RN/L = 3.10 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.12070	.04390	.11330	.02950	-.00290	.00680
.600	-10.000	.11660	.04540	.12630	.02440	-.00260	.00540
.600	-8.000	.11410	.04640	.13860	.01960	-.00250	.00420
.600	-6.000	.11150	.04680	.14860	.01480	-.00220	.00320
.600	-4.000	.10860	.04690	.15570	.01000	-.00180	.00230
.600	-3.000	.10760	.04690	.15860	.00760	-.00150	.00180
.600	-2.000	.10710	.04690	.16060	.00510	-.00120	.00140
.600	-1.000	.10730	.04690	.16100	.00250	-.00090	.00090
.600	.000	.10750	.04690	.16040	.00030	-.00070	.00040
.600	1.000	.10670	.04690	.15960	-.00180	-.00040	-.00010
.600	2.000	.10570	.04680	.15910	-.00390	.00000	-.00060
.600	3.000	.10560	.04680	.15910	-.00610	.00030	-.00100
.600	4.000	.10600	.04690	.15780	-.00860	.00060	-.00150
.600	6.000	.10770	.04710	.15040	-.01390	.00100	-.00260
.600	8.000	.11040	.04700	.14020	-.01920	.00150	-.00380
.600	10.000	.11400	.04630	.12860	-.02450	.00190	-.00500
.600	12.000	.11850	.04470	.11620	-.02940	.00170	-.00610
	GRADIENT	-.00033	-.00001	.00009	-.00230	.00030	-.00048

RUN NO. 39/ 0 RN/L = 3.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.14530	.04890	.12530	.02970	-.00270	.00800
.700	-10.000	.14040	.05080	.14450	.02370	-.00230	.00640
.700	-8.000	.13700	.05200	.15710	.01800	-.00200	.00490
.700	-6.000	.13560	.05250	.16790	.01300	-.00180	.00370
.700	-4.000	.13590	.05250	.17760	.00880	-.00150	.00280
.700	-3.000	.13610	.05250	.18070	.00680	-.00130	.00200
.700	-2.000	.13600	.05260	.18120	.00470	-.00100	.00150
.700	-1.000	.13570	.05280	.17930	.00240	-.00080	.00090
.700	.000	.13540	.05290	.17730	.00020	-.00060	.00030
.700	1.000	.13510	.05270	.17730	-.00170	-.00040	-.00030
.700	2.000	.13490	.05260	.17820	-.00320	-.00020	-.00090
.700	3.000	.13450	.05250	.17820	-.00480	.00000	-.00150
.700	4.000	.13370	.05260	.17700	-.00650	.00010	-.00210
.700	6.000	.13270	.05260	.17140	-.01070	.00040	-.00330
.700	8.000	.13480	.05240	.16280	-.01630	.00090	-.00460
.700	10.000	.13890	.05150	.15040	-.02280	.00140	-.00600
.700	12.000	.14080	.05000	.13200	-.02880	.00150	-.00750
	GRADIENT	-.00027	.00000	-.00030	-.00193	.00020	-.00059

ORIGINAL PAGE IS
 OF POOR QUALITY

BTWT-1431CA5 STRUT T+I CORR K1+FO H15.1A C

(R0MC07) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348 0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 6 000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 47/ 0 RN/L = .96 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.150	-12.000	-.00210	.02830	.09070	.03690	-.00430	.00360
.150	-10.000	-.00510	.02860	.10110	.03380	-.00420	.00260
.150	-8.000	-.00660	.02870	.10890	.03140	-.00400	.00180
.150	-6.000	-.00610	.02890	.11410	.02760	-.00370	.00130
.150	-4.000	-.00380	.02960	.11670	.02110	-.00320	.00100
.150	-3.000	-.00300	.03000	.11890	.01730	-.00300	.00090
.150	-2.000	-.00320	.03030	.12180	.01340	-.00250	.00070
.150	-1.000	-.00380	.03050	.12320	.00960	-.00190	.00030
.150	.000	-.00390	.03070	.12200	.00560	-.00110	-.00020
.150	1.000	-.00360	.03070	.12060	.00230	-.00030	-.00070
.150	2.000	-.00200	.03090	.12030	-.00120	.00030	-.00120
.150	3.000	.00050	.03100	.12140	-.00480	.00090	-.00160
.150	4.000	.00330	.03130	.12100	-.00760	.00130	-.00200
.150	6.000	.00980	.03200	.11390	-.01140	.00170	-.00290
.150	8.000	.01660	.03320	.10360	-.01540	.00190	-.00360
.150	10.000	.02240	.03380	.09300	-.02030	.00200	-.00400
.150	12.000	.02750	.03240	.08470	-.02650	.00260	-.00460
	GRADIENT	.00069	.00019	.00032	-.00363	.00061	-.00040

RUN NO. 48/ 0 RN/L = 1.82 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.299	-12.000	.05530	.03420	.08270	.02890	-.00360	.00490
.299	-10.000	.05200	.03440	.09670	.02610	-.00350	.00410
.299	-8.000	.04810	.03480	.10900	.02350	-.00330	.00320
.299	-6.000	.04390	.03500	.11770	.02000	-.00320	.00230
.299	-4.000	.04020	.03500	.12240	.01520	-.00300	.00140
.299	-3.000	.03810	.03500	.12400	.01220	-.00280	.00100
.299	-2.000	.03630	.03500	.12560	.00880	-.00230	.00060
.299	-1.000	.03590	.03500	.12680	.00530	-.00170	.00020
.299	.000	.03720	.03500	.12710	.00160	-.00090	-.00030
.299	1.000	.03810	.03510	.12620	-.00200	.00000	-.00080
.299	2.000	.03770	.03510	.12490	-.00570	.00070	-.00130
.299	3.000	.03720	.03510	.12380	-.00930	.00120	-.00170
.299	4.000	.03740	.03510	.12230	-.01210	.00150	-.00210
.299	6.000	.03990	.03530	.11800	-.01690	.00180	-.00280
.299	8.000	.04510	.03530	.11080	-.02180	.00210	-.00350
.299	10.000	.05110	.03520	.10080	-.02660	.00240	-.00430
.299	12.000	.05310	.03490	.08810	-.03000	.00240	-.00520
	GRADIENT	-.00015	.00002	-.00005	-.00350	.00063	-.00045

BTHT-1431CA5 STRUT T+I CORR K1+F0 H15.1A C

(RGMC07) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 45/ 0 RN/L = 2.75 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.08290	.03840	.09830	.03090	-.00350	.00630
500	-10.000	.07760	.03920	.11380	.02610	-.00320	.00520
.500	-8.000	.07340	.03950	.12520	.02240	-.00290	.00410
500	-6.000	.07050	.03960	.13450	.01830	-.00280	.00300
500	-4.000	.06830	.03960	.14180	.01310	-.00260	.00200
500	-3.000	.06700	.03950	.14330	.01020	-.00240	.00150
.500	-2.000	.06550	.03940	.14330	.00710	-.00210	.00100
500	-1.000	.06380	.03930	.14360	.00390	-.00150	.00050
.500	.000	.06230	.03930	.14440	.00070	-.00090	.00000
.500	1.000	.06170	.03940	.14460	-.00250	-.00010	-.00050
.500	2.000	.06220	.03940	.14360	-.00560	.00060	-.00120
.500	3.000	.06330	.03940	.14140	-.00870	.00110	-.00180
.500	4.000	.06490	.03950	.13850	-.01170	.00150	-.00230
.500	6.000	.06880	.03970	.13330	-.01740	.00190	-.00320
.500	8.000	.07320	.03980	.12800	-.02240	.00210	-.00410
.500	10.000	.07780	.03980	.11890	-.02700	.00220	-.00500
.500	12.000	.08340	.03970	.09920	-.03130	.00240	-.00620
	GRADIENT	-.00056	-.00001	-.00029	-.00313	.00056	-.00054

RUN NO 44/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.09960	.04210	.10910	.03170	-.00330	.00680
.600	-10.000	.09330	.04280	.12400	.02690	-.00310	.00580
.600	-8.000	.09040	.04330	.13620	.02230	-.00300	.00450
.600	-6.000	.08820	.04340	.14600	.01760	-.00290	.00340
.600	-4.000	.08550	.04320	.15350	.01280	-.00270	.00230
.600	-3.000	.08400	.04300	.15600	.00990	-.00240	.00180
.600	-2.000	.08290	.04280	.15760	.00670	-.00190	.00120
.600	-1.000	.08250	.04270	.15860	.00340	-.00130	.00060
.600	.000	.08220	.04270	.15930	.00030	-.00070	.00000
.600	1.000	.08230	.04280	.15920	-.00260	-.00020	-.00050
.600	2.000	.08230	.04290	.15780	-.00540	.00040	-.00120
.600	3.000	.08250	.04300	.15560	-.00820	.00100	-.00190
.600	4.000	.08310	.04320	.15220	-.01100	.00140	-.00260
.600	6.000	.08550	.04360	.14410	-.01630	.00200	-.00370
.600	8.000	.08860	.04370	.13510	-.02140	.00230	-.00460
.600	10.000	.09290	.04350	.12520	-.02630	.00230	-.00570
.600	12.000	.09890	.04320	.11130	-.03100	.00240	-.00710
	GRADIENT	-.00026	.00000	-.00009	-.00299	.00054	-.00061

BTWT-1431CA5 STRUT T+I CORR KI+FO H15.1A C

(R0MCD7) (20 JUN 75)

REFERENCE DATA

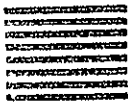
SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 SI-12 = .000

RUN NO. 43/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.11980	.04780	.11680	.03130	-.00340	.00870
.700	-10.000	.11250	.04850	.13640	.02480	-.00300	.00700
.700	-8.000	.10990	.04900	.14840	.01980	-.00270	.00540
.700	-6.000	.10820	.04910	.15880	.01540	-.00250	.00400
.700	-4.000	.10630	.04890	.16890	.01110	-.00230	.00260
.700	-3.000	.10570	.04880	.17280	.00860	-.00210	.00190
.700	-2.000	.10560	.04870	.17570	.00590	-.00160	.00120
.700	-1.000	.10490	.04870	.17770	.00310	-.00120	.00060
.700	.000	.10430	.04860	.17880	.00040	-.00070	-.00010
.700	1.000	.10460	.04850	.17930	-.00200	-.00030	-.00080
.700	2.000	.10500	.04860	.17840	-.00460	.00020	-.00140
.700	3.000	.10540	.04880	.17490	-.00730	.00080	-.00220
.700	4.000	.10570	.04910	.17070	-.00990	.00120	-.00300
.700	6.000	.10730	.04940	.16220	-.01480	.00180	-.00440
.700	8.000	.11060	.04960	.15130	-.01970	.00220	-.00580
.700	10.000	.11520	.04970	.13730	-.02490	.00240	-.00730
.700	12.000	.11890	.04920	.12010	-.03030	.00260	-.00910
	GRADIENT	-.00008	.00001	.00034	-.00263	.00045	-.00069



DATE 20 JUN 75

TABULATED SOURCE DATA - CAS

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BTWT-1431CAS STRUT T+I CORR K1+FO H15.1A C

(RGMCOB) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 8.000 STAB = -2.000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = 000

RUN NO. 51/ 0 RN/L = 1.81 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.06230	.03270	.07900	.02920	-.00370	.00470
.300	-10.000	.05830	.03360	.09360	.02580	-.00340	.00410
.300	-8.000	.05360	.03350	.10650	.02240	-.00310	.00320
.300	-6.000	.05050	.03340	.11430	.01820	-.00290	.00230
.300	-4.000	.04940	.03350	.11630	.01270	-.00260	.00160
.300	-3.000	.04880	.03350	.11570	.00970	-.00240	.00120
.300	-2.000	.04730	.03340	.11530	.00650	-.00200	.00090
.300	-1.000	.04630	.03330	.11580	.00280	-.00140	.00050
.300	.000	.04640	.03350	.11700	-.00110	-.00070	.00010
.300	1.000	.04710	.03360	.11870	-.00470	.00010	-.00040
.300	2.000	.04810	.03370	.11900	-.00790	.00080	-.00090
.300	3.000	.04900	.03370	.11750	-.01080	.00130	-.00150
.300	4.000	.04990	.03370	.11530	-.01370	.00160	-.00200
.300	6.000	.05220	.03390	.11000	-.01860	.00210	-.00280
.300	8.000	.05620	.03420	.10350	-.02440	.00230	-.00340
.300	10.000	.06150	.03440	.09490	-.02860	.00240	-.00410
.300	12.000	.06650	.03390	.08040	-.03370	.00270	-.00500
	GRADIENT	.00008	.00004	.00019	-.00339	.00058	-.00045

RUN NO. 50/ 0 RN/L = 2.73 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.07590	.03680	.09470	.03220	-.00360	.00570
.500	-10.000	.07120	.03790	.11020	.02810	-.00330	.00490
.500	-8.000	.06760	.03770	.12570	.02340	-.00300	.00390
.500	-6.000	.06430	.03730	.13520	.01830	-.00270	.00290
.500	-4.000	.06100	.03720	.13840	.01300	-.00250	.00210
.500	-3.000	.05980	.03730	.13960	.01030	-.00240	.00160
.500	-2.000	.05880	.03740	.14190	.00740	-.00200	.00120
.500	-1.000	.05800	.03730	.14440	.00410	-.00150	.00070
.500	.000	.05700	.03730	.14550	.00050	-.00080	.00000
.500	1.000	.05650	.03730	.14450	-.00310	.00000	-.00060
.500	2.000	.05720	.03750	.14230	-.00650	.00070	-.00130
.500	3.000	.05910	.03760	.14020	-.00990	.00130	-.00190
.500	4.000	.06120	.03770	.13790	-.01300	.00170	-.00240
.500	6.000	.06460	.03790	.13180	-.01840	.00210	-.00330
.500	8.000	.06810	.03810	.12360	-.02340	.00230	-.00430
.500	10.000	.07180	.03810	.11320	-.02800	.00240	-.00520
.500	12.000	.07760	.03760	.10060	-.03220	.00250	-.00600
	GRADIENT	-.00010	.00005	.00001	-.00333	.00059	-.00058

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CA5 STRUT T+J CORR KI+FO H15.1A C

(RQMC08) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327 7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = -2.000
 ELV-1B = 000 ELV-0B = 3 000
 SI-12 = 000

RUN NO. 49/ 0 RN/L = 3.09 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.08910	.04080	.10830	.03330	-.00380	.00650
.600	-10.000	.08370	.04120	.12690	.02760	-.00340	.00530
.600	-8.000	.07870	.04140	.14040	.02230	-.00300	.00430
.600	-6.000	.07530	.04140	.14960	.01720	-.00280	.00320
.600	-4.000	.07370	.04130	.15560	.01210	-.00260	.00220
.600	-3.000	.07320	.04120	.15840	.00920	-.00230	.00170
.600	-2.000	.07260	.04110	.16110	.00610	-.00190	.00120
.600	-1.000	.07190	.04100	.16260	.00290	-.00140	.00060
.600	.000	.07130	.04090	.16280	-.00010	-.00070	-.00010
.600	1.000	.07130	.04090	.16150	-.00310	.00000	-.00080
.600	2.000	.07170	.04110	.15920	-.00630	.00070	-.00150
.600	3.000	.07270	.04140	.15620	-.00950	.00130	-.00210
.600	4.000	.07320	.04150	.15210	-.01230	.00160	-.00270
.600	6.000	.07480	.04170	.14320	-.01720	.00200	-.00390
.600	8.000	.07920	.04210	.13580	-.02210	.00220	-.00480
.600	10.000	.08480	.04230	.12760	-.02710	.00240	-.00570
.600	12.000	.08780	.04180	.11250	-.03200	.00260	-.00670
	GRADIENT	-.00010	.00002	-.00043	-.00307	.00057	-.00063

RUN NO. 48/ 0 RN/L = 3.37 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.10960	.04800	.12370	.03390	-.00410	.00920
.700	-10.000	.10520	.04860	.13760	.02800	-.00370	.00790
.700	-8.000	.10030	.04870	.14970	.02230	-.00340	.00640
.700	-6.000	.09590	.04870	.16110	.01700	-.00320	.00480
.700	-4.000	.09250	.04840	.17170	.01200	-.00280	.00330
.700	-3.000	.09100	.04820	.17750	.00940	-.00240	.00240
.700	-2.000	.08970	.04800	.18280	.00640	-.00190	.00150
.700	-1.000	.08880	.04790	.18480	.00330	-.00130	.00070
.700	.000	.08840	.04800	.18390	.00010	-.00080	-.00020
.700	1.000	.08830	.04810	.18290	-.00300	-.00020	-.00110
.700	2.000	.08890	.04820	.18110	-.00600	.00050	-.00210
.700	3.000	.09040	.04840	.17790	-.00910	.00110	-.00290
.700	4.000	.09200	.04860	.17330	-.01200	.00160	-.00370
.700	6.000	.09500	.04910	.16140	-.01690	.00220	-.00530
.700	8.000	.09830	.04930	.14790	-.02160	.00250	-.00680
.700	10.000	.10220	.04930	.13450	-.02650	.00280	-.00830
.700	12.000	.10690	.04970	.12170	-.03220	.00290	-.00960
	GRADIENT	-.00010	.00003	.00004	-.00304	.00057	-.00088

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTHT-1431CA5 STRUT T+I CORR K1+F20 H15.1A C

(RGMC10) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9000 IN XC
 LREF = 327.7800 IN. YMRP = .0000 IN YC
 BREF = 2348 0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 4.000 STAB = 1 000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = 000

RUN NO. 61/ 0 RN/L = 1.87 GRADIENT INTERVAL = -5 00/ 5 00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.09640	.03290	.05320	.03210	-.00360	.00840
.300	-10.000	.09150	.03340	.06140	.02650	-.00320	.00700
.300	-8.000	.08750	.03380	.06590	.02230	-.00300	.00590
.300	-6.000	.08450	.03440	.06910	.01790	-.00260	.00470
.300	-4.000	.08000	.03490	.07250	.01260	-.00200	.00330
.300	-3.000	.07780	.03490	.07490	.00990	-.00160	.00260
.300	-2.000	.07650	.03480	.07730	.00700	-.00120	.00190
.300	-1.000	.07560	.03470	.07820	.00400	-.00080	.00110
.300	.000	.07530	.03490	.07710	.00100	-.00040	.00050
.300	1.000	.07480	.03500	.07610	-.00230	.00000	-.00020
.300	2.000	.07470	.03480	.07510	-.00610	.00050	-.00080
.300	3.000	.07590	.03440	.07370	-.01010	.00110	-.00160
.300	4.000	.07810	.03420	.07200	-.01380	.00160	-.00240
.300	6.000	.08290	.03380	.06840	-.01980	.00220	-.00380
.300	8.000	.08710	.03320	.06460	-.02460	.00270	-.00510
.300	10.000	.09080	.03250	.06000	-.02970	.00310	-.00630
.300	12.000	.09560	.03240	.05300	-.03760	.00360	-.00740
	GRADIENT	-.00030	-.00007	-.00020	-.00330	.00044	-.00070

RUN NO. 60/ 0 RN/L = 2.81 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.10610	.03620	.07270	.03580	-.00340	.01040
.500	-10.000	.10070	.03680	.08190	.02820	-.00340	.00860
.500	-8.000	.09760	.03750	.08420	.02340	-.00290	.00710
.500	-6.000	.09390	.03800	.08570	.01880	-.00230	.00560
.500	-4.000	.08920	.03810	.08820	.01360	-.00170	.00390
.500	-3.000	.08690	.03810	.08970	.01060	-.00140	.00300
.500	-2.000	.08540	.03830	.09100	.00760	-.00110	.00220
.500	-1.000	.08470	.03840	.09190	.00470	-.00070	.00130
.500	.000	.08430	.03850	.09200	.00190	-.00040	.00030
.500	1.000	.08410	.03920	.09190	-.00110	.00000	-.00060
.500	2.000	.08520	.03790	.09120	-.00440	.00040	-.00150
.500	3.000	.08720	.03780	.08970	-.00760	.00070	-.00240
.500	4.000	.08930	.03770	.08760	-.01050	.00100	-.00320
.500	6.000	.09310	.03740	.08340	-.01570	.00170	-.00500
.500	8.000	.09770	.03700	.07940	-.02150	.00240	-.00660
.500	10.000	.10270	.03650	.07510	-.02790	.00310	-.00810
.500	12.000	.10810	.03630	.06810	-.03440	.00350	-.00940
	GRADIENT	.00000	-.00006	-.00003	-.00301	.00035	-.00090

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1A C

(RGMCI0) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327 7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 4.000 STAB = 1.000
 ELV-1B = 000 ELV-0B = 3 000
 S1-12 = .000

RUN NO. 59/ 0 RN/L = 3.15 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.11630	.03900	.08160	.03700	-.00350	.01170
.600	-10.000	.10950	.03980	.08710	.03050	-.00300	.00990
.600	-8.000	.10490	.04030	.08990	.02440	-.00260	.00810
.600	-6.000	.10080	.04080	.09290	.01860	-.00210	.00620
.600	-4.000	.09640	.04130	.09680	.01290	-.00140	.00410
.600	-3.000	.09430	.04150	.09850	.01010	-.00110	.00310
.600	-2.000	.09230	.04180	.09960	.00740	-.00080	.00220
.600	-1.000	.09100	.04190	.09960	.00490	-.00060	.00120
.600	.000	.09090	.04170	.09990	.00210	-.00040	.00030
.600	1.000	.09250	.04150	.09800	-.00110	-.00010	-.00060
.600	2.000	.09450	.04130	.09640	-.00430	.00030	-.00150
.600	3 000	.09640	.04090	.09420	-.00740	.00060	-.00250
.600	4.000	.09810	.04060	.09220	-.01000	.00080	-.00360
.600	6.000	.10200	.04010	.08900	-.01460	.00140	-.00560
.600	8.000	.10690	.03980	.08520	-.02030	.00210	-.00760
.600	10.000	.11220	.03960	.08080	-.02700	.00300	-.00950
.600	12.000	.11620	.03920	.07600	-.03310	.00340	-.01110
	GRADIENT	.00032	-.00010	-.00065	-.00289	.00028	-.00095

RUN NO. 58/ 0 RN/L = 3.48 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.12620	.04540	.10420	.03600	-.00270	.01440
.700	-10.000	.11990	.04650	.10820	.02850	-.00220	.01230
.700	-8.000	.11610	.04730	.10460	.02320	-.00190	.01020
.700	-6.000	.11290	.04790	.10250	.01740	-.00140	.00800
.700	-4 000	.10950	.04830	.10530	.01080	-.00070	.00550
.700	-3.000	.10850	.04850	.10760	.00790	-.00040	.00420
.700	-2.000	.10800	.04860	.10890	.00560	-.00020	.00300
.700	-1.000	.10710	.04850	.10860	.00300	-.00010	.00190
.700	.000	.10580	.04830	.10790	.00090	.00000	.00070
.700	1 000	.10570	.04810	.10800	-.00030	-.00010	-.00040
.700	2.000	.10660	.04790	.10850	-.00130	-.00020	-.00160
.700	3.000	.10820	.04760	.10800	-.00300	-.00020	-.00280
.700	4.000	.11000	.04730	.10700	-.00550	-.00010	-.00400
.700	6.000	.11350	.04690	.10440	-.01180	.00060	-.00640
.700	8 000	.11730	.04660	.10120	-.01850	.00160	-.00900
.700	10.000	.12130	.04630	.09850	-.02490	.00250	-.01150
.700	12.000	.12580	.04560	.09900	-.03100	.00280	-.01370
	GRADIENT	-.00005	-.00014	.00011	-.00192	.00005	-.00117

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1A C

(RGMC11) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 6.000 STAB = 1.000
 ELV-1B = .000 ELV-0B = 3.000
 SI-12 = 000

RUN NO. 65/ 0 RN/L = 1.86 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.07920	.03120	.06200	.03310	-.00310	.00760
.300	-10.000	.07460	.03250	.06810	.02800	-.00310	.00640
.300	-8.000	.07170	.03340	.06910	.02350	-.00310	.00530
.300	-6.000	.06960	.03360	.06960	.01880	-.00280	.00410
.300	-4.000	.06770	.03340	.07240	.01350	-.00230	.00280
.300	-3.000	.06690	.03340	.07480	.01080	-.00190	.00220
.300	-2.000	.06610	.03360	.07710	.00810	-.00150	.00160
.300	-1.000	.06460	.03380	.07900	.00500	-.00110	.00100
.300	.000	.06370	.03380	.07980	.00150	-.00060	.00040
.300	1.000	.06430	.03370	.07880	-.00210	-.00020	-.00040
.300	2.000	.06530	.03350	.07640	-.00570	.00030	-.00120
.300	3.000	.06580	.03320	.07390	-.00910	.00080	-.00180
.300	4.000	.06550	.03270	.07270	-.01220	.00120	-.00240
.300	6.000	.06660	.03190	.07050	-.01800	.00190	-.00340
.300	8.000	.07190	.03180	.06540	-.02360	.00240	-.00460
.300	10.000	.07790	.03180	.06000	-.02910	.00270	-.00590
.300	12.000	.07510	.03020	.06210	-.03340	.00300	-.00720
	GRADIENT	-.00023	-.00006	-.00005	-.00329	.00044	-.00066

RUN NO. 64/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.08780	.03450	.08080	.03370	-.00300	.00950
.500	-10.000	.08830	.03560	.08130	.02950	-.00310	.00820
.500	-8.000	.08390	.03600	.08390	.02430	-.00290	.00670
.500	-6.000	.07940	.03610	.08630	.01910	-.00250	.00520
.500	-4.000	.07650	.03630	.08820	.01400	-.00210	.00370
.500	-3.000	.07550	.03650	.08940	.01110	-.00180	.00290
.500	-2.000	.07460	.03670	.09090	.00800	-.00140	.00210
.500	-1.000	.07390	.03700	.09240	.00510	-.00090	.00130
.500	.000	.07350	.03710	.09360	.00240	-.00050	.00050
.500	1.000	.07400	.03700	.09340	-.00030	-.00010	-.00020
.500	2.000	.07450	.03670	.09210	-.00350	.00030	-.00090
.500	3.000	.07520	.03630	.09000	-.00690	.00070	-.00170
.500	4.000	.07700	.03600	.08770	-.01030	.00120	-.00250
.500	6.000	.08140	.03570	.08350	-.01660	.00200	-.00420
.500	8.000	.08450	.03550	.08070	-.02220	.00250	-.00600
.500	10.000	.08720	.03520	.07870	-.02750	.00280	-.00760
.500	12.000	.09260	.03430	.07500	-.03370	.00310	-.00880
	GRADIENT	.00002	-.00003	.00005	-.00299	.00041	-.00077

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 OF POOR QUALITY

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1A C

(RGMCI1) (20 JUN 75)

REFERENCE DATA

SREF = 8500.0000 SQ.FT. XMRP = 1338.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = .1.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 63/ 0 RN/L = 3.12 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.09860	.03770	.08780	.03830	-.00300	.01070
.600	-10.000	.09030	.03870	.09220	.02980	-.00290	.00910
.600	-8.000	.08690	.03910	.08990	.02460	-.00270	.00740
.600	-6.000	.08480	.03950	.08890	.01950	-.00240	.00570
.600	-4.000	.08310	.04000	.09200	.01390	-.00180	.00390
.600	-3.000	.08190	.04020	.09380	.01080	-.00140	.00300
.600	-2.000	.08060	.04040	.09500	.00780	-.00100	.00210
.600	-1.000	.07930	.04040	.09700	.00500	-.00070	.00130
.600	.000	.07880	.04030	.09830	.00250	-.00050	.00040
.600	1.000	.07970	.04030	.09800	.00040	-.00030	-.00040
.600	2.000	.08090	.04030	.09700	-.00200	.00000	-.00130
.600	3.000	.08230	.04020	.09550	-.00490	.00040	-.00220
.600	4.000	.08370	.03960	.09340	-.00820	.00090	-.00310
.600	6.000	.08650	.03850	.08980	-.01480	.00170	-.00500
.600	8.000	.09060	.03820	.08890	-.02080	.00230	-.00590
.600	10.000	.09540	.03850	.08880	-.02640	.00260	-.00860
.600	12.000	.09890	.03750	.08380	-.03310	.00300	-.01010
	GRADIENT	.00008	-.00003	.00026	-.00266	.00031	-.00087

RUN NO. 62/ 0 RN/L = 3.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.09560	.04550	.12090	.03590	-.00300	.01040
.700	-10.000	.09500	.04640	.11510	.02920	-.00300	.00930
.700	-8.000	.09750	.04660	.11220	.02370	-.00260	.00820
.700	-6.000	.09830	.04670	.11070	.01820	-.00190	.00700
.700	-4.000	.09580	.04690	.10950	.01220	-.00110	.00530
.700	-3.000	.09340	.04700	.10970	.00900	-.00080	.00420
.700	-2.000	.09080	.04700	.11110	.00570	-.00050	.00310
.700	-1.000	.08860	.04690	.11290	.00290	-.00030	.00190
.700	.000	.08760	.04670	.11400	.00110	-.00020	.00080
.700	1.000	.08760	.04630	.11410	.00030	-.00010	-.00020
.700	2.000	.08800	.04620	.11230	-.00090	-.00010	-.00140
.700	3.000	.08860	.04630	.11010	-.00260	-.00020	-.00280
.700	4.000	.09030	.04640	.10920	-.00480	-.00010	-.00410
.700	6.000	.09440	.04630	.10910	-.01040	.00060	-.00610
.700	8.000	.09520	.04590	.10850	-.01750	.00170	-.00770
.700	10.000	.09440	.04540	.10810	-.02490	.00280	-.00890
.700	12.000	.09940	.04510	.10960	-.03160	.00310	-.01040
	GRADIENT	-.00072	-.00010	.00006	-.00198	.00011	-.00116

DATE 20 JUN 75

TABULATED SOURCE DATA - CAB

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BTWT-1431CAB STRUT T+I CORR K1+F20 H1B.1A C

(ROMC12) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 3500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

ALPHA1 = 8.000 STAB = 1.000
 ELV-18 = .000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 69/ 0 RN/L = 1.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.06220	.02880	.08490	.03240	-.00320	.00650
.300	-10.000	.06100	.02970	.06960	.02920	-.00320	.00550
.300	-8.000	.06100	.03100	.07100	.02490	-.00310	.00460
.300	-6.000	.05980	.03170	.07230	.02040	-.00290	.00360
.300	-4.000	.05460	.03160	.07470	.01580	-.00230	.00260
.300	-3.000	.05320	.03160	.07590	.01320	-.00190	.00210
.300	-2.000	.05320	.03170	.07680	.01030	-.00150	.00160
.300	-1.000	.05350	.03190	.07800	.00680	-.00100	.00110
.300	.000	.05260	.03190	.07990	.00320	-.00050	.00040
.300	1.000	.05070	.03160	.08100	-.00040	.00010	-.00040
.300	2.000	.04870	.03120	.07990	-.00380	.00060	-.00110
.300	3.000	.04850	.03110	.07780	-.00720	.00120	-.00160
.300	4.000	.05050	.03090	.07480	-.01090	.00170	-.00200
.300	6.000	.05640	.03090	.06980	-.01720	.00220	-.00310
.300	8.000	.05870	.03070	.06670	-.02190	.00250	-.00430
.300	10.000	.05800	.02960	.06360	-.02680	.00290	-.00540
.300	12.000	.06130	.02840	.06070	-.03270	.00340	-.00630
	GRADIENT	-.00071	-.00009	.00026	-.00339	.00051	-.00061

RUN NO. 68/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.07500	.03260	.08900	.03510	-.00290	.00830
.500	-10.000	.07070	.03330	.08400	.03020	-.00320	.00730
.500	-8.000	.06870	.03400	.08830	.02490	-.00300	.00630
.500	-6.000	.06840	.03470	.09100	.02030	-.00270	.00490
.500	-4.000	.06840	.03520	.08950	.01620	-.00230	.00330
.500	-3.000	.06710	.03530	.08970	.01370	-.00200	.00260
.500	-2.000	.06480	.03530	.09210	.01060	-.00160	.00190
.500	-1.000	.06260	.03530	.09440	.00710	-.00110	.00130
.500	.000	.06180	.03520	.09540	.00390	-.00070	.00070
.500	1.000	.06270	.03500	.09490	.00090	-.00030	-.00010
.500	2.000	.06470	.03490	.09260	-.00270	.00020	-.00090
.500	3.000	.06640	.03480	.09000	-.00690	.00080	-.00170
.500	4.000	.06670	.03470	.08820	-.01020	.00130	-.00250
.500	6.000	.06620	.03450	.08560	-.01480	.00190	-.00410
.500	8.000	.06880	.03410	.08280	-.01980	.00240	-.00560
.500	10.000	.07370	.03340	.08000	-.02590	.00290	-.00690
.500	12.000	.07450	.03270	.07820	-.03260	.00290	-.00750
	GRADIENT	-.00015	-.00008	-.00005	-.00334	.00045	-.00072

BTWT-1431CA5 STRUT T+I CORR KI+F20 H15.1A C

(RMC12) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 ELV-18 = .000 ELV-08 = 3.000
 SI-12 = .000

RUN NO. 67/ 0 RN/L = 3.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.07530	.03580	.09340	.03750	-.00300	.00920
.600	-10.000	.07150	.03670	.09720	.03140	-.00310	.00810
.600	-8.000	.06850	.03730	.09620	.02570	-.00290	.00670
.600	-6.000	.06700	.03770	.09640	.02070	-.00260	.00500
.600	-4.000	.06710	.03800	.09950	.01620	-.00220	.00320
.600	-3.000	.06730	.03830	.10180	.01370	-.00190	.00230
.600	-2.000	.06680	.03850	.10340	.01060	-.00150	.00160
.600	-1.000	.06620	.03870	.10340	.00700	-.00100	.00100
.600	.000	.06520	.03870	.10210	.00390	-.00050	.00040
.600	1.000	.06520	.03860	.10120	.00170	-.00020	-.00020
.600	2.000	.06500	.03830	.10050	-.00080	.00010	-.00080
.600	3.000	.06740	.03810	.09850	-.00420	.00050	-.00150
.600	4.000	.06880	.03790	.09640	-.00790	.00090	-.00230
.600	6.000	.06970	.03750	.09330	-.01480	.00180	-.00420
.600	8.000	.07010	.03710	.09240	-.02030	.00240	-.00610
.600	10.000	.07310	.03670	.09190	-.02510	.00270	-.00780
.600	12.000	.08010	.03620	.08570	-.03260	.00320	-.00870
	GRADIENT	.00008	-.00003	-.00051	-.00297	.00039	-.00066

RUN NO. 66/ 0 RN/L = 3.40 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.06760	.04370	.12420	.03470	-.00260	.00810
.700	-10.000	.06670	.04440	.12020	.02980	-.00280	.00740
.700	-8.000	.06960	.04530	.11590	.02500	-.00280	.00630
.700	-6.000	.07170	.04610	.11360	.01930	-.00250	.00480
.700	-4.000	.07150	.04670	.11440	.01310	-.00180	.00300
.700	-3.000	.07080	.04670	.11620	.01020	-.00140	.00220
.700	-2.000	.06980	.04650	.11820	.00760	-.00100	.00150
.700	-1.000	.06860	.04610	.11860	.00500	-.00070	.00100
.700	.000	.06820	.04570	.11770	.00280	-.00040	.00040
.700	1.000	.06810	.04550	.11650	.00130	-.00020	-.00020
.700	2.000	.06690	.04570	.11650	.00010	.00000	-.00060
.700	3.000	.06510	.04610	.11820	-.00160	.00030	-.00070
.700	4.000	.06370	.04630	.11990	-.00380	.00060	-.00110
.700	6.000	.06410	.04610	.11890	-.00970	.00130	-.00280
.700	8.000	.06820	.04540	.11290	-.01670	.00210	-.00510
.700	10.000	.07250	.04440	.10820	-.02370	.00280	-.00720
.700	12.000	.07120	.04400	.11790	-.02930	.00270	-.00780
	GRADIENT	-.00091	-.00009	.00037	-.00203	.00029	-.00051

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DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

PAGE 555

BTWT-1431CA5 STRUT T+I CORR K1+F20

V9.1 C

(RGMCI3) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339 9000 IN. XC
LREF = 327.7800 IN. YMRP = 0000 IN. YC
BREF = 2348 0400 IN. ZMRP = 190 8000 IN. ZC
SCALE = .0300

BETA = .000 RUD-U = .000
RUD-L = .000 S1-12 = .000

RUN NO. 73/ 0 RN/L = 1.87 GRADIENT INTERVAL = -5.00/ 5 00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-2.000	.12080	.03880	.05020	-.00030	.00010	.00040
.300	-1.000	.11430	.03860	.04780	-.00120	.00010	.00030
.300	.000	.10750	.03810	.04440	-.00070	-.00010	.00030
.300	1.000	.09920	.03740	.04100	.00090	-.00050	.00040
.300	2.000	.09540	.03650	.03820	.00250	-.00070	.00060
.300	3.000	.09170	.03610	.03840	.00340	-.00070	.00030
.300	4.000	.08910	.03550	.03740	.00340	-.00080	.00030
.300	5.000	.08770	.03460	.03240	.00350	-.00110	.00040
.300	6.000	.08450	.03410	.02800	.00370	-.00110	.00030
.300	7.000	.08010	.03400	.02580	.00350	-.00080	.00030
.300	8.000	.07540	.03350	.02370	.00340	-.00070	.00030
.300	9.000	.07210	.03280	.02010	.00350	-.00090	.00020
.300	10.000	.07030	.03270	.01600	.00350	-.00110	.00000
.300	11.000	.07130	.03320	.01170	.00340	-.00090	.00000
.300	12.000	.07510	.03360	.00710	.00330	-.00070	.00000
.300	13.000	.07910	.03400	.00340	.00330	-.00050	.00000
.300	14.000	.07970	.03460	.00210	.00360	-.00060	-.00010
	GRADIENT	-.00487	-.00062	-.00235	.00076	-.00018	.00000

RUN NO. 72/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-2.000	.15570	.04140	.05810	.00000	.00040	.00070
.500	-1.000	.14140	.04170	.05560	.00080	.00000	.00070
.500	.000	.13060	.04170	.05340	.00130	-.00020	.00050
.500	1.000	.12250	.04100	.04990	.00280	-.00070	.00060
.500	2.000	.11570	.04010	.04710	.00350	-.00080	.00070
.500	3.000	.10710	.03980	.04750	.00350	-.00090	.00040
.500	4.000	.10140	.03930	.04690	.00360	-.00100	.00050
.500	5.000	.09830	.03880	.04300	.00350	-.00090	.00060
.500	6.000	.09410	.03820	.03800	.00320	-.00080	.00060
.500	7.000	.08910	.03780	.03360	.00370	-.00090	.00050
.500	8.000	.08480	.03730	.02970	.00460	-.00090	.00040
.500	9.000	.08070	.03670	.02490	.00480	-.00090	.00020
.500	10.000	.07850	.03700	.01990	.00420	-.00090	.00000
.500	11.000	.07860	.03810	.01690	.00400	-.00080	-.00030
.500	12.000	.07680	.03940	.01690	.00440	-.00080	-.00050
.500	13.000	.06900	.04060	.01840	.00490	-.00090	-.00020
.500	14.000	.06130	.04270	.01790	.00500	-.00090	-.00020
	GRADIENT	-.00808	-.00045	-.00202	.00055	-.00019	-.00002

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CA5 STRUT Y+I CORR K1+F20

V9 I C

(RQMC13) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

BETA = .000 RUD-U = .000
 RUD-L = 000 S1-12 = 000

RUN NO. 71/ 0 RN/L = 3.11 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-2.000	.18810	.04400	.05550	.00040	.00050	.00070
.600	-1.000	.16630	.04480	.05910	.00160	.00010	.00080
.600	.000	.15340	.04440	.05520	.00220	.00000	.00070
.600	1.000	.14000	.04400	.05210	.00260	-.00030	.00060
.600	2.000	.12770	.04360	.05150	.00340	-.00060	.00060
.600	3.000	.11710	.04310	.05220	.00380	-.00080	.00050
.600	4.000	.10890	.04230	.05070	.00350	-.00070	.00050
.600	5.000	.10280	.04170	.04690	.00300	-.00070	.00060
.600	6.000	.09710	.04130	.04320	.00310	-.00070	.00060
.600	7.000	.09130	.04100	.04130	.00380	-.00080	.00050
.600	8.000	.08390	.04070	.03910	.00480	-.00090	.00040
.600	9.000	.07690	.04080	.03610	.00470	-.00080	.00030
.600	10.000	.07030	.04170	.03410	.00450	-.00070	.00000
.600	11.000	.06350	.04350	.03420	.00530	-.00090	-.00050
.600	12.000	.05750	.04670	.03400	.00710	-.00110	-.00080
.600	13.000	.05270	.05040	.02990	.00860	-.00130	-.00080
.600	14.000	.05070	.05340	.02120	.00820	-.00110	-.00040
	GRADIENT	-.01197	-.00039	-.00133	.00040	-.00018	-.00003

RUN NO. 70/ 0 RN/L = 3.44 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-2.000	.24040	.04940	.04620	-.00040	.00060	.00050
.700	-1.000	.20760	.05080	.05800	-.00020	.00050	.00090
.700	.000	.18410	.05210	.06080	.00040	.00040	.00070
.700	1.000	.17040	.05160	.05660	.00110	.00020	.00070
.700	2.000	.15450	.05130	.05610	.00070	.00000	-.00080
.700	3.000	.13780	.05050	.05920	.00110	-.00020	.00080
.700	4.000	.12380	.04960	.05950	.00150	-.00020	.00080
.700	5.000	.11440	.04900	.05680	.00160	-.00010	.00070
.700	6.000	.10800	.04860	.05420	.00170	-.00010	.00070
.700	7.000	.09850	.04840	.05360	.00220	-.00020	.00050
.700	8.000	.08900	.04940	.05540	.00350	-.00050	.00030
.700	9.000	.06360	.04990	.05860	.00400	-.00040	.00070
.700	10.000	.04960	.05010	.05770	.00450	-.00030	.00060
.700	11.000	.04570	.05080	.05240	.00490	-.00020	.00010
.700	12.000	.04440	.05240	.04500	.00510	-.00010	-.00030
.700	13.000	.04480	.05460	.03490	.00600	-.00040	-.00080
.700	14.000	.05460	.05650	.02470	.00770	-.00090	-.00150
	GRADIENT	-.01733	-.00017	.00091	.00029	-.00012	.00002

BTWT-1431CAS STRUT T+I CORR K1+F20 H15.1AV9.1 C

(RQMC14) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT XMRP = 1339.9000 IN. XC
 LREF = 327 7800 IN. YMRP = .0000 IN YC
 BREF = 2348 0400 IN. ZMRP = 190.8000 IN ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = 000 STAB = 1 000
 RUD-U = 000 RUD-L = .000
 ELV-IB = 000 ELV-OB = 3.000
 S1-12 = .000

RUN NO. 91/ 0 RN/L = .85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.150	-2.000	.10870	.03640	.09590	-.00050	.00060	-.00040
.150	-1.000	.04750	.03700	.09850	.00120	.00030	-.00070
.150	.000	.06610	.03660	.08230	.00230	-.00020	-.00050
.150	1.000	.09390	.03600	.07660	.00200	-.00050	-.00030
.150	2.000	.06590	.03510	.09000	.00180	-.00060	-.00030
.150	3.000	.06660	.03400	.09560	.00380	-.00070	-.00050
.150	4.000	.06830	.03310	.09340	.00530	-.00100	-.00070
.150	5.000	.06270	.03200	.08900	.00560	-.00110	-.00060
.150	6.000	.06930	.03090	.08700	.00350	-.00100	-.00040
.150	7.000	.05720	.03040	.09080	.00190	-.00090	-.00030
.150	8.000	.05250	.02980	.09670	.00240	-.00100	-.00040
.150	9.000	.04590	.02880	.09650	.00320	-.00090	-.00060
.150	10.000	.03960	.02790	.09410	.00280	-.00050	-.00060
.150	11.000	.03770	.02730	.09590	.00190	-.00020	-.00050
.150	12.000	.03820	.02650	.09980	.00100	-.00020	-.00030
.150	13.000	.04000	.02550	.09690	-.00060	-.00020	.00000
.150	14.000	.04300	.02560	.08860	-.00100	.00020	.00000
	GRADIENT	-.00291	-.00070	-.00024	.00080	-.00024	-.00002

RUN NO. 77/ 0 RN/L = 1.89 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-2.000	.12410	.03810	.08500	-.00100	.00060	.00010
.300	-1.000	.06670	.03820	.09310	.00020	.00010	.00020
.300	.000	.07650	.03780	.08420	.00120	-.00030	.00020
.300	1.000	.08750	.03690	.07720	.00220	-.00040	.00030
.300	2.000	.08050	.03610	.07850	.00300	-.00050	.00030
.300	3.000	.07480	.03550	.08290	.00420	-.00080	.00030
.300	4.000	.07060	.03490	.08500	.00460	-.00090	.00040
.300	5.000	.06870	.03420	.08420	.00430	-.00080	.00040
.300	6.000	.06450	.03360	.08560	.00460	-.00070	.00020
.300	7.000	.05940	.03310	.08820	.00410	-.00060	.00000
.300	8.000	.05400	.03230	.09140	.00260	-.00050	.00000
.300	9.000	.04650	.03080	.09150	.00300	-.00060	.00010
.300	10.000	.04690	.03060	.08930	.00350	-.00060	.00000
.300	11.000	.04790	.03090	.08950	.00370	-.00050	-.00020
.300	12.000	.04740	.03050	.09050	.00350	-.00040	-.00030
.300	13.000	.04680	.03010	.09290	.00330	-.00030	-.00030
.300	14.000	.04680	.03000	.09310	.00320	-.00020	-.00020
	GRADIENT	-.00393	-.00061	-.00058	.00082	-.00020	.00004

ORIGINAL PAGE IS
OF POOR QUALITY

BTWT-1431CAB STRUT T+1 CORR K1+F20 H15.1AV9.1 C

(R0MC14) (20 JUN 75)

REFERENCE DATA

SREF = 9500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 180.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

BETA = .000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 76/ 0 RN/L = 2.88 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-2.000	.14470	.04190	.09360	-.00070	.00050	.00060
.500	-1.000	.13190	.04200	.08760	-.00130	.00050	.00060
.500	.000	.12260	.04150	.08320	-.00010	.00020	.00060
.500	1.000	.11390	.04050	.08270	.00130	-.00020	.00060
.500	2.000	.10380	.04020	.08420	.00240	-.00050	.00060
.500	3.000	.09410	.03970	.08800	.00300	-.00070	.00050
.500	4.000	.08700	.03920	.09200	.00280	-.00070	.00040
.500	5.000	.08280	.03840	.09130	.00320	-.00070	.00050
.500	6.000	.07750	.03770	.09350	.00300	-.00070	.00050
.500	7.000	.07260	.03680	.09520	.00270	-.00060	.00040
.500	8.000	.06690	.03570	.09790	.00260	-.00060	.00040
.500	9.000	.05730	.03450	.09980	.00290	-.00060	.00040
.500	10.000	.05330	.03440	.10170	.00310	-.00060	.00020
.500	11.000	.05350	.03530	.10260	.00340	-.00040	-.00030
.500	12.000	.04920	.03630	.10390	.00370	-.00030	-.00080
.500	13.000	.03630	.03850	.11010	.00500	-.00030	-.00090
.500	14.000	.02280	.04070	.11670	.00630	-.00030	-.00110
	GRADIENT	-.00899	-.00053	.00026	.00069	-.00021	-.00002

RUN NO 75/ 0 RN/L = 3.21 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-2.000	.18310	.04450	.08770	-.00130	.00070	.00060
.600	-1.000	.16120	.04520	.08940	-.00090	.00060	.00070
.600	.000	.14630	.04510	.08650	.00000	.00050	.00070
.600	1.000	.13310	.04440	.08310	.00030	.00020	.00060
.600	2.000	.12050	.04370	.08670	.00090	-.00010	.00050
.600	3.000	.10680	.04290	.09280	.00130	-.00020	.00040
.600	4.000	.09680	.04210	.09610	.00120	-.00020	.00040
.600	5.000	.09060	.04140	.09700	.00130	-.00020	.00030
.600	6.000	.08540	.04090	.09710	.00160	-.00040	.00040
.600	7.000	.07850	.04010	.09990	.00230	-.00050	.00030
.600	8.000	.06910	.03920	.10640	.00340	-.00070	.00020
.600	9.000	.05990	.03880	.11310	.00410	-.00070	.00010
.600	10.000	.05140	.03920	.11940	.00400	-.00060	-.00020
.600	11.000	.04150	.04030	.12620	.00450	-.00050	-.00070
.600	12.000	.03030	.04260	.13100	.00590	-.00070	-.00100
.600	13.000	.02380	.04530	.12580	.00530	-.00050	-.00060
.600	14.000	.02780	.04570	.11060	.00260	.00010	.00000
	GRADIENT	-.01310	-.00053	.00144	.00040	-.00015	-.00005

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1AV9.1 C

(RGMC14) (20 JUN 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN XC
 LREF = 327.7800 IN YMRP = 0000 IN. YC
 BREF = 2348.0400 IN ZMRP = 190.6000 IN ZC
 SCALE = .0300

BETA = .000 STAB = 1.000
 RUD-U = 000 RUD-L = .000
 ELV-1B = .000 ELV-OB = 3.000
 S1-12 = .000

RUN NO. 74/ 0 RN/L = 3 51 GRADIENT INTERVAL = -5.00/ 5.00

MACH	ALPHAW	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-2.000	.22870	.04960	.07910	-.00180	.00090	.00060
.700	-1.000	.19500	.05110	.08960	-.00170	.00090	.00080
.700	.000	.17250	.05150	.09210	-.00090	.00070	.00070
.700	1.000	.15860	.05120	.08960	-.00050	.00050	.00080
.700	2.000	.14290	.05080	.09270	-.00100	.00040	.00060
.700	3.000	.12630	.04980	.09870	-.00020	.00010	.00070
.700	4.000	.11130	.04850	.10540	.00040	-.00010	.00080
.700	5.000	.09900	.04740	.11030	.00040	-.00010	.00070
.700	6.000	.09010	.04680	.11290	.00080	-.00010	.00060
.700	7.000	.08050	.04680	.11600	.00120	-.00030	.00020
.700	8.000	.06600	.04720	.12350	.00210	-.00040	.00040
.700	9.000	.04910	.04730	.13360	.00290	-.00030	.00090
.700	10.000	.03190	.04710	.14240	.00300	-.00020	.00110
.700	11.000	.02250	.04760	.14660	.00270	-.00010	.00100
.700	12.000	.02080	.04890	.14070	.00300	-.00020	.00050
.700	13.000	.03600	.05120	.11340	.00460	-.00080	.00050
.700	14.000	.05080	.04770	.08630	.00680	-.00150	.00040
	GRADIENT	-.01770	-.00040	.00381	.00033	-.00017	.00001

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1AV9.1 C

(R6MC16) (20 JUN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339.9000 IN XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 4.250 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 83/ 0 RN/L = 1.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.14850	.03800	.04680	.04590	-.00750	.01030
.300	-10.000	.14620	.03850	.05320	.04110	- .00800	.00920
.300	-8.000	.14100	.03880	.05740	.03400	-.00720	.00760
.300	-6.000	.13710	.03910	.06070	.02660	- .00590	.00580
.300	-4.000	.13500	.03960	.06380	.01930	-.00440	.00400
.300	-3.000	.13280	.03990	.06540	.01520	- .00360	.00310
.300	-2.000	.12930	.04000	.06700	.01090	- .00260	.00210
.300	-1.000	.12680	.04010	.06780	.00690	-.00170	.00110
.300	.000	.12630	.04000	.06840	.00320	- .00080	.00010
.300	1.000	.12710	.03990	.06870	- .00070	.00010	-.00090
.300	2.000	.12920	.03970	.06720	- .00580	.00110	-.00190
.300	3.000	.13200	.03960	.06410	-.01160	.00220	-.00290
.300	4.000	.13460	.03940	.06120	-.01700	.00330	-.00390
.300	6.000	.13820	.03870	.05780	-.02590	.00520	- .00570
.300	8.000	.14010	.03800	.05610	- .03350	.00680	-.00750
.300	10.000	.14230	.03730	.05310	-.04020	.00790	- .00920
.300	12.000	.14860	.03670	.04110	-.04770	.00820	-.01030
	GRADIENT	-.00006	-.00004	-.00022	- .00444	.00096	-.00099

RUN NO. 82/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.16020	.04130	.06390	.04790	-.00790	.01270
.500	-10.000	.15420	.04060	.07450	.03970	-.00750	.01070
.500	-8.000	.15090	.04120	.07430	.03280	-.00670	.00880
.500	-6.000	.14780	.04180	.07310	.02630	-.00570	.00680
.500	-4.000	.14390	.04200	.07500	.01920	-.00450	.00480
.500	-3.000	.14140	.04210	.07700	.01530	-.00370	.00370
.500	-2.000	.13890	.04220	.07890	.01130	- .00280	.00260
.500	-1.000	.13690	.04250	.07960	.00720	-.00180	.00140
.500	.000	.13660	.04270	.07900	.00330	-.00090	.00020
.500	1.000	.13830	.04270	.07790	-.00040	.00010	-.00110
.500	2.000	.14030	.04250	.07680	-.00490	.00120	-.00240
.500	3.000	.14180	.04210	.07530	-.01000	.00240	-.00360
.500	4.000	.14350	.04180	.07340	-.01470	.00330	-.00470
.500	6.000	.14760	.04120	.07130	-.02220	.00470	-.00670
.500	8.000	.15100	.04070	.07210	-.02790	.00580	-.00830
.500	10.000	.15410	.04040	.07170	-.03460	.00680	-.01010
.500	12.000	.15760	.04060	.06060	-.04800	.00860	-.01290
	GRADIENT	.00006	.00000	-.00029	- .00419	.00099	- .00121

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1AV9.1 C

(RQMC16) (20 JUN 75)

REFERENCE DATA

SREF = 5500 0000 SQ.FT. XMRP = 1339 9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348 0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 4 250 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 81/ 0 RN/L = 3.16 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.17060	.04390	.08020	.04470	- .00690	.01380
.600	-10.000	.16310	.04470	.08260	.03720	- .00630	.01180
.600	-8.000	.16010	.04490	.08000	.03070	- .00570	.00970
.600	-6.000	.15830	.04510	.07670	.02460	- .00500	.00750
.600	-4.000	.15460	.04550	.07660	.01780	- .00410	.00510
.600	-3.000	.15160	.04570	.07830	.01370	- .00330	.00380
.600	-2.000	.14910	.04600	.08090	.00950	- .00240	.00250
.600	-1.000	.14780	.04620	.08350	.00550	- .00140	.00130
.600	.000	.14810	.04620	.08420	.00190	- .00050	.00010
.600	1.000	.14950	.04610	.08190	-.00190	.00050	-.00120
.600	2.000	.15120	.04580	.07940	-.00590	.00140	-.00260
.600	3.000	.15340	.04550	.07820	-.00970	.00210	-.00390
.600	4.000	.15620	.04510	.07700	-.01380	.00280	-.00510
.600	6.000	.16210	.04440	.07480	-.02160	.00440	-.00750
.600	8.000	.16450	.04410	.07600	-.02770	.00530	-.00960
.600	10.000	.16540	.04420	.07780	-.03340	.00590	-.01150
.600	12.000	.17200	.04380	.07310	-.04280	.00700	-.01340
	GRADIENT	.00030	-.00005	-.00006	-.00391	.00089	-.00128

RUN NO 80/ 0 RN/L = 3.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.17970	.05180	.09510	.03900	- .00330	.01530
.700	-10.000	.17580	.05210	.09490	.03230	- .00400	.01370
.700	-8.000	.17270	.05200	.09030	.02820	- .00450	.01160
.700	-6.000	.16910	.05220	.08750	.02280	- .00420	.00920
.700	-4.000	.16530	.05260	.08790	.01490	- .00290	.00640
.700	-3.000	.16390	.05290	.08880	.01070	- .00200	.00490
.700	-2.000	.16320	.05310	.08970	.00680	- .00120	.00350
.700	-1.000	.16240	.05310	.09010	.00330	- .00050	.00210
.700	.000	.16160	.05270	.08940	.00080	.00000	.00070
.700	1.000	.16170	.05240	.08990	-.00100	.00030	-.00070
.700	2.000	.16330	.05210	.09080	-.00320	.00070	-.00220
.700	3.000	.16530	.05190	.09020	-.00630	.00130	-.00360
.700	4.000	.16660	.05170	.08810	-.00930	.00180	-.00510
.700	6.000	.16830	.05140	.08410	-.01510	.00260	-.00810
.700	8.000	.17140	.05150	.08470	-.02210	.00370	-.01090
.700	10.000	.17640	.05170	.08920	-.02930	.00430	-.01330
.700	12.000	.18130	.05140	.09170	-.03370	.00310	-.01480
	GRADIENT	.00015	-.00015	.00012	-.00287	.00055	-.00143

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 OF POOR QUALITY

BTWT-1431CAS STRUT T+1 CORR K1+F20 H15.1AV9 1 C

(R0MC17) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA1 = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = 000

RUN NO. 89/ 0 RN/L = 1.85 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.09300	.03250	.06760	.03990	-.00670	.00840
.300	-10.000	.09270	.03330	.06540	.03690	-.00730	.00710
.300	-8.000	.08800	.03370	.06680	.03130	-.00690	.00590
.300	-6.000	.08390	.03400	.06910	.02490	-.00600	.00450
.300	-4.000	.08280	.03430	.07100	.01830	-.00480	.00310
.300	-3.000	.08250	.03460	.07260	.01450	-.00410	.00240
.300	-2.000	.08180	.03490	.07520	.01010	-.00320	.00170
.300	-1.000	.08140	.03510	.07710	.00560	-.00210	.00110
.300	.000	.08180	.03520	.07710	.00080	-.00080	.00030
.300	1.000	.08140	.03510	.07610	-.00420	.00050	-.00060
.300	2.000	.08060	.03490	.07430	-.00910	.00170	-.00150
.300	3.000	.08120	.03460	.07200	-.01400	.00270	-.00220
.300	4.000	.08300	.03430	.06990	-.01890	.00370	-.00290
.300	6.000	.08690	.03360	.06720	-.02730	.00550	-.00420
.300	8.000	.08940	.03310	.06580	-.03350	.00670	-.00560
.300	10.000	.09120	.03260	.06370	-.03850	.00730	-.00700
.300	12.000	.09630	.03190	.05570	-.04530	.00740	-.00800
	GRADIENT	-.00009	-.00000	-.00015	-.00471	.00111	-.00076

RUN NO. 88/ 0 RN/L = 2.78 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.09660	.03550	.08860	.04250	-.00720	.01010
.500	-10.000	.09450	.03620	.09210	.03740	-.00700	.00850
.500	-8.000	.09280	.03660	.08880	.03150	-.00650	.00700
.500	-6.000	.09010	.03690	.08540	.02510	-.00580	.00550
.500	-4.000	.08650	.03710	.08500	-.01850	-.00480	.00380
.500	-3.000	.08440	.03730	.08690	.01490	-.00400	.00290
.500	-2.000	.08260	.03760	.08940	.01090	-.00310	.00210
.500	-1.000	.08210	.03780	.09050	.00650	-.00200	.00120
.500	.000	.08290	.03790	.09040	.00220	-.00070	.00040
.500	1.000	.08430	.03780	.08920	-.00180	.00050	-.00050
.500	2.000	.08500	.03750	.08690	-.00620	.00160	-.00150
.500	3.000	.08590	.03710	.08430	-.01100	.00270	-.00240
.500	4.000	.08740	.03680	.08220	-.01570	.00370	-.00330
.500	6.000	.09120	.03660	.08100	-.02400	.00500	-.00500
.500	8.000	.09360	.03620	.08340	-.03040	.00590	-.00680
.500	10.000	.09580	.03550	.08530	-.03550	.00650	-.00840
.500	12.000	.10030	.03460	.07680	-.04150	.00680	-.00970
	GRADIENT	.00025	-.00003	-.00042	-.00428	.00110	-.00089

DATE 20 JUN 75

TABULATED SOURCE DATA - CA5

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BTWT-1431CA5 STRUT T+1 CORR K1+F20 H15.1AV9.1 C

(ROMC17) (20 JUN 75)

REFERENCE DATA

SREF = 5500 0000 SQ FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN YMRP = .0000 IN. YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = .0300

PARAMETRIC DATA

ALPHA = 6.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-18 = .000 ELV-08 = 3.000
 S1-12 = .000

RUN NO. 87/ 0 RN/L = 3.12 GRADIENT INTERVAL = -5.00/ 5 00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.10060	.03860	.10340	.04260	-.00640	.01130
.600	-10.000	.09840	.03960	.10370	.03610	-.00580	.00940
.600	-8.000	.09590	.03980	.09660	.03010	-.00550	.00760
.600	-6.000	.09410	.03990	.09130	.02450	-.00510	.00590
.600	-4.000	.09280	.04040	.09160	.01850	-.00450	.00420
.600	-3.000	.09140	.04060	.09310	.01470	-.00370	.00330
.600	-2.000	.08940	.04080	.09470	.01010	-.00270	.00240
.600	-1.000	.08830	.04090	.09630	.00560	-.00150	.00140
.600	.000	.08870	.04100	.09720	.00170	-.00050	.00040
.600	1.000	.08960	.04080	.09680	-.00200	.00060	-.00060
.600	2.000	.09110	.04060	.09490	-.00570	.00160	-.00170
.600	3.000	.09310	.04030	.09210	-.00960	.00250	-.00270
.600	4.000	.09480	.04000	.09030	-.01390	.00330	-.00370
.600	6.000	.09690	.03930	.09020	-.02190	.00450	-.00560
.600	8.000	.09840	.03910	.09310	-.02700	.00490	-.00740
.600	10.000	.10080	.03900	.09630	-.03120	.00500	-.00900
.600	12.000	.10570	.03830	.09500	-.03690	.00630	-.01080
	GRADIENT	.00030	-.00005	-.00012	-.00403	.00101	-.00100

RUN NO. 88/ 0 RN/L = 3.42 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.10000	.04750	.13540	.03750	-.00350	.01060
.700	-10.000	.09820	.04790	.12480	.03150	-.00400	.00940
.700	-8.000	.09970	.04710	.11420	.02760	-.00460	.00860
.700	-6.000	.10080	.04680	.10740	.02270	-.00440	.00740
.700	-4.000	.09960	.04720	.10540	.01550	-.00340	.00540
.700	-3.000	.09840	.04760	.10630	.01130	-.00260	.00430
.700	-2.000	.09690	.04790	.10770	.00710	-.00170	.00310
.700	-1.000	.09540	.04780	.10870	.00360	-.00090	.00190
.700	.000	.09460	.04740	.10900	.00080	-.00010	.00060
.700	1.000	.09550	.04700	.10870	-.00180	.00060	-.00070
.700	2.000	.09740	.04700	.10710	-.00410	.00120	-.00210
.700	3.000	.09960	.04700	.10430	-.00630	.00160	-.00330
.700	4.000	.10130	.04700	.10170	-.00870	.00200	-.00460
.700	6.000	.10300	.04670	.10110	-.01510	.00300	-.00670
.700	8.000	.10320	.04710	.10780	-.02230	.00390	-.00820
.700	10.000	.10350	.04790	.11790	-.02880	.00430	-.00930
.700	12.000	.10550	.04830	.11820	-.03320	.00310	-.01000
	GRADIENT	.00019	-.00009	-.00037	-.00296	.00069	-.00126

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.1AV9.1 C

(RGMCI8) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ.FT. XMRP = 1339.9000 IN. XC
 LREF = 327.7800 IN. YMRP = .0000 IN. YC
 BREF = 2348.0400 IN ZMRP = 190.8000 IN ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = .000 RUD-L = .000
 ELV-1B = .000 ELV-0B = 3.000
 S1-12 = .000

RUN NO. 95/ 0 RN/L = 1.83 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.300	-12.000	.07090	.03040	.07750	.03720	-.00600	.00660
.300	-10.000	.07170	.03350	.07900	.02780	-.00630	.00630
.300	-8.000	.06940	.03270	.08150	.02800	-.00620	.00510
.300	-6.000	.06500	.03180	.08280	.02620	-.00560	.00380
.300	-4.000	.06320	.03240	.08260	.01850	-.00440	.00260
.300	-3.000	.06290	.03300	.08370	.01400	-.00370	.00200
.300	-2.000	.06240	.03330	.08610	.01040	-.00290	.00130
.300	-1.000	.06150	.03350	.08720	.00630	-.00180	.00060
.300	.000	.06130	.03350	.08510	.00160	-.00060	-.00030
.300	1.000	.06130	.03340	.08190	-.00230	.00040	-.00110
.300	2.000	.06150	.03330	.08070	-.00620	.00130	-.00180
.300	3.000	.06190	.03330	.08130	-.01030	.00220	-.00250
.300	4.000	.06210	.03310	.08090	-.01460	.00300	-.00320
.300	6.000	.06270	.03250	.07770	-.02280	.00450	-.00440
.300	8.000	.06360	.03150	.07560	-.02990	.00570	-.00570
.300	10.000	.06520	.03030	.07440	-.03550	.00650	-.00680
.300	12.000	.06770	.02930	.07070	-.04050	.00650	-.00760
	GRADIENT	-.00016	.00006	-.00050	-.00412	.00096	-.00074

RUN NO. 94/ 0 RN/L = 2.79 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.500	-12.000	.08610	.03390	.09430	.03920	-.00580	.00870
.500	-10.000	.08180	.03470	.09530	.03550	-.00640	.00770
.500	-8.000	.07990	.03540	.09400	.02900	-.00570	.00650
.500	-6.000	.07930	.03580	.09060	.02250	-.00490	.00500
.500	-4.000	.07870	.03590	.08710	.01720	-.00420	.00340
.500	-3.000	.07850	.03610	.08900	.01420	-.00370	.00260
.500	-2.000	.07760	.03630	.09130	.01050	-.00290	.00180
.500	-1.000	.07640	.03660	.09360	.00650	-.00190	.00090
.500	.000	.07520	.03670	.09350	.00280	-.00080	.00000
.500	1.000	.07450	.03640	.09210	-.00080	.00010	-.00100
.500	2.000	.07450	.03610	.09050	-.00530	.00110	-.00190
.500	3.000	.07560	.03590	.08830	-.01040	.00220	-.00280
.500	4.000	.07630	.03580	.08620	-.01460	.00300	-.00370
.500	6.000	.07650	.03570	.08490	-.02040	.00380	-.00530
.500	8.000	.07710	.03500	.08730	-.02550	.00440	-.00660
.500	10.000	.07890	.03400	.08980	-.03140	.00500	-.00760
.500	12.000	.08170	.03340	.08620	-.03960	.00620	-.00870
	GRADIENT	-.00044	-.00003	-.00010	-.00400	.00094	-.00090

BTWT-1431CA5 STRUT T+I CORR K1+F20 H15.IAV9 I C

(RGMC18) (20 JUN 75)

REFERENCE DATA

SREF = 5500.0000 SQ FT. XMRP = 1339 9000 IN. XC
 LREF = 327 7800 IN. YMRP = .0000 IN YC
 BREF = 2348.0400 IN. ZMRP = 190.8000 IN. ZC
 SCALE = 0300

PARAMETRIC DATA

ALPHA1 = 8.000 STAB = 1.000
 RUD-U = 000 RUD-L = 000
 ELV-IB = .000 ELV-OB = 3.000
 S1-12 = .000

RUN NO. 93/ 0 RN/L = 3.13 GRADIENT INTERVAL = -5 00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.600	-12.000	.08450	.03770	.10530	.04000	-.00480	.00930
.600	-10.000	.08030	.03800	.10660	.03410	-.00510	.00810
.600	-8.000	.07980	.03840	.10080	.02840	-.00490	.00670
.600	-6.000	.08000	.03880	.09540	.02320	-.00460	.00510
.600	-4.000	.07910	.03930	.09450	.01800	-.00410	.00330
.600	-3.000	.07850	.03960	.09680	.01480	-.00360	.00240
.600	-2.000	.07780	.03980	.10030	.01090	-.00280	.00170
.600	-1.000	.07690	.03990	.10170	.00700	-.00180	.00090
.600	.000	.07650	.03990	.10140	.00360	-.00090	.00000
.600	1.000	.07710	.03990	.10070	.00050	.00000	-.00090
.600	2.000	.07800	.03970	.09920	-.00330	.00100	-.00170
.600	3.000	.07900	.03950	.09670	-.00810	.00190	-.00240
.600	4.000	.07960	.03910	.09390	-.01270	.00280	-.00330
.600	6.000	.07960	.03850	.09100	-.01990	.00380	-.00520
.600	8.000	.07920	.03810	.09410	-.02460	.00410	-.00700
.600	10.000	.07990	.03800	.10040	-.02880	.00410	-.00830
.600	12.000	.08340	.03790	.10030	-.03780	.00500	-.00930
	GRADIENT	.00007	-.00002	-.00010	-.00377	.00089	-.00082

RUN NO. 92/ 0 RN/L = 3.41 GRADIENT INTERVAL = -5.00/ 5.00

MACH	BETA	CL-T	CD-T	CLM-T	CY-T	CLN-T	CSL-T
.700	-12.000	.07680	.04620	.114300	.03480	-.00240	.00670
.700	-10.000	.07240	.04660	.13060	.02940	-.00290	.00610
.700	-8.000	.07460	.04680	.12170	.02660	-.00420	.00510
.700	-6.000	.07570	.04730	.11760	.02170	-.00440	.00370
.700	-4.000	.07510	.04800	.11740	.01420	-.00320	.00200
.700	-3.000	.07620	.04800	.11710	.01020	-.00250	.00150
.700	-2.000	.07680	.04780	.11670	.00700	-.00180	.00110
.700	-1.000	.07680	.04740	.11890	.00440	-.00120	.00070
.700	.000	.07780	.04690	.11970	.00190	-.00050	.00010
.700	1.000	.07900	.04670	.11790	-.00070	.00020	-.00050
.700	2.000	.07860	.04700	.11720	-.00260	.00080	-.00090
.700	3.000	.07670	.04730	.11790	-.00440	.00120	-.00120
.700	4.000	.07530	.04740	.11830	-.00680	.00170	-.00190
.700	6.000	.07430	.04720	.11740	-.01340	.00290	-.00360
.700	8.000	.07570	.04680	.11750	-.02110	.00390	-.00550
.700	10.000	.07900	.04660	.12040	-.02790	.00400	-.00690
.700	12.000	.08090	.04680	.13000	-.03050	.00250	-.00720
	GRADIENT	.00013	-.00011	.00010	-.00253	.00062	-.00048