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(NASA-TM-78726) STABILITY AND PERFORMANCE CHARACTERISTICS OF A FIXED ARROW WING SUPERSONIC TRANSPORT CONFIGURATION (SCAT 15F-9898) AT MACH NUMBERS FROM 0.60 TO 1.20  
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## STABILITY AND PERFORMANCE CHARACTERISTICS OF A FIXED ARROW WING SUPERSONIC TRANSPORT CONFIGURATION (SCAT 15F-9898) AT MACH NUMBERS FROM 0.60 TO 1.20

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SUMMARY

Tests on a 0.015-scale model of a supersonic transport (SCAT 15F-9898) were conducted at Mach numbers from 0.60 to 1.20. Tests of the complete model with three wing planforms, two different leading-edge radii, and various combinations of component parts, including both leading- and trailing-edge flaps, were made over an angle-of-attack range from about  $-6^{\circ}$  to  $13^{\circ}$  and at side-slip angles of  $0^{\circ}$  and  $2^{\circ}$ .

The basic configuration had pitchup tendencies at the higher lift coefficients and at all Mach numbers. However, changing the wing-tip sweep angle to  $60^{\circ}$  and deflecting the wing-tip Krüger flap to  $20^{\circ}$  or increasing the radius of the wing leading edge increased the maximum lift-to-drag ratio of the configuration and alleviated the pitchup tendencies at the higher lift coefficients. From a performance and trim consideration, the optimum configuration for cruise at Mach numbers between 0.80 to 0.975 was with the larger wing leading-edge radius, the leading- and trailing-edge flaps set at  $0^{\circ}$ , the wing-tip swept to  $60^{\circ}$ , and wing-tip Krüger flap set at  $20^{\circ}$ . Maximum tunnel lift-to-drag ratio for this configuration is about 10 at Mach numbers between 0.80 to 0.975 and with a trimmed lift coefficient between 0.15 to 0.20. Comparison of the so-called optimum configuration with the basic configuration indicates that the



performance gains are due to a 25-percent reduction in drag due to lift. The static directional stability decreased to approximately zero at an angle of attack of about  $4^{\circ}$  and then increased as the angle of attack was increased beyond  $4^{\circ}$ . The addition of strakes or a centerline ventral fin significantly increased the static directional stability in the range where the static directional stability was deficient.

The text, tables, and figures of this report were taken from a NASA working paper and an associated addendum entitled, "The Aerodynamic Characteristics of a Fixed Arrow Wing Supersonic Transport Configuration (SCAT 15F-9898) Part V.- Stability and Performance Characteristics at Mach Numbers From 0.60 to 1.20" which was written by John P. Decker and published in 1969. Unfortunately, the original figures and data were destroyed in 1973, therefore the figures and tables presented herein were reproduced from the best available copy of the above working paper.

## INTRODUCTION

The National Aeronautics and Space Administration has made an intensive research effort to provide the technical background necessary to define and meet the design requirements for a commercially acceptable supersonic transport airplane. Part of this effort, a configuration series designated SCAT 15, was utilized to explore the most advanced design technology of supersonic aerodynamics. Early experimental results obtained on models of the SCAT 15 configuration series were reported in references 1 to 3.

A member of the SCAT 15 series, a fixed arrow wing version designated 15F, has been of particular interest because of its demonstrated high levels of aerodynamic efficiency at  $M = 2.7$  cruise conditions. The original 15F

configuration has recently been redesigned to incorporate changes which are expected to improve the low speed performance of the 15F concept without serious penalties in high speed potential. The redesigned version (SCAT 15F-9898) when compared to the original 15F has increased size, decreased sweep of the wing trailing-edge, decreased leading-edge sweep of the wing tip (from  $65^{\circ}$  to  $60^{\circ}$ ), and increased wing leading-edge radius. The current 15F-9898 also incorporates wing leading-edge devices, a small center vertical tail, a ventral fin, and a small horizontal tail for longitudinal control.

As part of a joint study effort with the Boeing Company, NASA has constructed a series of consistent wind-tunnel models to supplement analyses of the aerodynamic characteristics of the redesigned SCAT 15F-9898 supersonic transport configuration throughout the Mach number range. A 0.03-scale model was constructed by the Langley Research Center for tests at takeoff and landing conditions, in ground effect, and in the deep stall angle-of-attack range. A 1/5-scale model of the same configuration was constructed by the Ames Research Center for testing in the 40 x 80 wind tunnel to help determine scale effects. A 0.015-scale model was constructed by the Langley Research Center for tests at transonic and supersonic speeds. The present report contains data obtained on the 0.015-scale model at Mach numbers from 0.60 to 1.20 at Reynolds number per foot of  $1.5 \times 10^6$  and  $2.0 \times 10^6$ . Tests of the complete model with three wing planforms, two different leading-edge radii, and various combinations of component parts, including both leading- and trailing-edge flaps, were made over an angle-of-attack range from about  $-6^{\circ}$  to  $13^{\circ}$  and at sideslip angles of  $0^{\circ}$  and  $2^{\circ}$ .

## SYMBOLS

The data of the present investigation are referred to the body axis system (see fig. 1(a)) except the lift and drag coefficients, which are referred to the stability axis system. The moment reference center is located at 45 percent of the mean geometric chord, fuselage station 33.405.

b	wing span, 22.824 in.
c	local chord measured streamwise
$c_l$	local chord measured perpendicular to wing leading edge
$\bar{c}$	mean geometric chord, 19.155 in.
$C_D$	drag coefficient, $\frac{\text{Drag}}{qS}$
$C_{D,b}$	total nacelle base drag coefficient, $\frac{\text{Total nacelle base drag}}{qS}$
$C_{D,c}$	chamber drag coefficient, $\frac{\text{Chamber drag}}{qS}$
$C_{D,\min}$	minimum drag coefficient
$C_D/C_L^2$	drag due to lift parameter
$C_L$	lift coefficient, $\frac{\text{Lift}}{qS}$
$C_{L,\text{trim}}$	trimmed lift coefficient
$C_{L_\alpha}$	lift curve slope, $\frac{\partial C_L}{\partial \alpha}$ , per deg
$C_l$	rolling moment coefficient, $\frac{\text{Rolling moment}}{qSb}$
$C_{l\beta}$	effective dihedral parameter, $\frac{\Delta C_l}{\Delta \beta}$ , per deg
$C_m$	pitching moment coefficient, $\frac{\text{Pitching moment}}{qS\bar{c}}$

$\partial C_m / \partial C_L$	longitudinal stability parameter, percent $\bar{c}$
$C_{m,0}$	pitching-moment coefficient at $C_L = 0$
$C_n$	yawing-moment coefficient, $\frac{\text{Yawing moment}}{qSb}$
$C_{n\beta}$	directional stability parameter, $\frac{\Delta C_n}{\Delta \beta}$ , per deg
$C_Y$	side force coefficient, $\frac{\text{Side force}}{qS}$
$C_{Y\beta}$	side force parameter, $\frac{\Delta C_Y}{\Delta \beta}$ , per deg
L/D	lift drag ratio
$(L/D)_{\max}$	maximum lift drag ratio
M	free-stream Mach number
q	free-stream dynamic pressure
r	leading-edge radius
$r_1$	leading-edge radius of wing $W_1$ in a plane perpendicular to the leading edge, $r_1 = 0.002c$ (see fig. 1(i))
$r_2$	leading-edge radius of wings $W_2$ and $W_3$ in a plane perpendicular to the leading edge, $r_2 = 0.005 c_1$ (see figs. 1(i) and 1(n))
R	Reynolds number per foot
S	reference wing area, 2.227 sq. ft.
X,Y,Z	coordinate axes
x,y,z	distance along X,Y,Z axes
$x_{le}$	distance along airfoil section from leading edge
$x_n, y_n, r_n$	coordinates of the external shape of the engine nacelles (see figs. 1(e) and 1(f))
$\alpha$	angle of attack, deg

#### Model component designations

$B_1$	common body between high speed and low speed models with a cylindrical afterbody
$E_2$	cruise engine nacelles
F	Fowler flap
$H_1$	horizontal tail for cylindrical afterbody
$K'_6$	wing-tip Krüger flap
$L1...L5$	inboard to outboard wing leading-edge flaps
$L6$	wing tip leading-edge flap; on $W_1$ or $W_2$ , $L6$ has a hinge line as indicated in figure 1(d) and is the same as $K'_6$ ; on $W_3$ , $L6$ has a hinge line as indicated in figure 1(m)
$S_1$	strakes mounted forward of wing apex
$t1...t3$	inboard to outboard wing trailing-edge flaps
$U_1$	ventral fin mounted on cylindrical afterbody
$V_1$	centerline vertical tail mounted on cylindrical afterbody
$V_2$	outboard vertical tails
$W_1$	common wing between high speed and low speed models with a leading edge radius of $0.002c$
$W_2$	common wing between high speed and low speed models with a leading edge radius of $0.005c_1$
$W_3$	wing with a leading-edge radius of $0.005c_1$ , which is symmetrical about a line passing through the leading-edge point of $W_1$ parallel to the wing reference plane (see fig. 1(n)) and has an extended wing-tip with a $60^\circ$ leading-edge sweep (see fig. 1(m))

$\beta$	angle of sideslip, deg
$\delta_e$	elevator deflection (positive for trailing edge down), deg
$\delta_h$	horizontal tail deflection with deflection measured from wing reference plane (positive for trailing edge down), deg
$\delta_{L1} \dots \delta_{L5}$	deflection of inboard to outboard wing leading-edge flaps with deflection measured normal to leading edge (positive for leading edge down), deg
$\delta_{L6}$	deflection of wing-tip leading-edge flap (positive for leading-edge down); on $W_1$ or $W_2$ , $\delta_{L6}$ has a hinge line as indicated on figure 1(d) and is the same as $\delta_{K'6}$ ; on $W_3$ , $\delta_{L6}$ has a hinge as indicated on figure 1(m), deg
$\delta_s$	spoiler deflection (positive for trailing edge up), deg
$\delta_{t1} \dots \delta_{t3}$	deflection of inboard to outboard wing trailing-edge flaps with deflection measured streamwise (positive for trailing edge down), deg
$\Gamma_{tail}$	tail dihedral angle (positive for tip chord lower than root chord), deg
$\Lambda_{tip}$	leading-edge sweep angle at wing tip, deg
$\delta_{K''6}$	deflection of Krüger flap on wing tip, with deflection measured normal to leading edge (positive for leading edge down), deg
Subscripts:	
left	left side of wing
right	right side of wing

## DESCRIPTION OF MODEL

Drawings of the model are shown in figure 1 and a photograph of the model is shown as figure 2. Detailed geometric characteristics of the basic model are presented in table I. The model scale used in the present investigation was 0.015, which represents a full-scale supersonic transport aircraft configuration approximately 300 feet in length.

The model incorporated a slender cambered body with a  $74^{\circ}$  swept wing planform which was designed for a cruise lift coefficient of 0.08 at a Mach number of 2.7. The wing had a subsonic leading edge except in the region of the tip where the leading-edge sweep was decreased to  $65^{\circ}$  on the basic configuration. Airfoil coordinates of the wing and wing tip ( $W_1$ ) are presented in table II.

For  $W_2$ , the leading-edge radius was increased from  $0.002c$  and a  $60^{\circ}$  swept wing tip with a Krüger flap (fig. 1(d)) was added. Note from figure 1(d) that the center of leading-edge curvature for the modified wing ( $W_2$ ) was located at a distance  $z = r_2$  from the center of leading-edge curvature for the basic wing ( $W_1$ ). Thus, both the local chord and leading-edge camber were increased. All of these modifications were made to improve the flow characteristics on the wing and wing tip at subsonic and transonic speeds.

For  $W_3$ , the leading-edge of the wing was again modified slightly and the wing tip ( $60^{\circ}$  sweep) was extended (figs. 1(m) and 1(n)). Note from figure 1(n) that the leading-edge radius for  $W_3$  was the same as for  $W_2$ . However, the center of leading-edge curvature for  $W_3$  was located in a plane passing through the leading-edge of the basic wing ( $W_1$ ) and parallel to the wing reference plane. The leading-edge of wing  $W_3$  coincided with the leading-edge of  $W_1$ .  $W_3$  had more leading-edge camber than  $W_1$ , but less camber than  $W_2$ . A comparison

of figures 1(d) and 1(m) shows the differences between the wing tip leading-edge flap configurations between  $W_2$  and  $W_3$ . The wings were equipped with moveable leading- and trailing-edge flaps (fig. 1(b)) for obtaining the best longitudinal stability and performance at subsonic and transonic speeds. Inboard and outboard trailing-edge Fowler flaps were also investigated which increased the area of the flaps by 50 percent.

Four engine nacelles were located below the wing near the wing trailing edge to simulate the engine installation. The wing trailing edges were reflexed upward in the region of the engine nacelles in order to essentially cancel the lift interference from the nacelles and to improve the drag interference effects of the wing nacelle combination at cruise conditions.

Two vertical tails (fig. 1(h)) were mounted on the outboard wing panels for directional stability and to improve the flow in the region of the wing tip. A centerline vertical tail (fig. 1(g)) and a ventral fin (fig. 1(i)) mounted on the aft end of the fuselage and strakes (fig. 1(j)) mounted on the forward end of the fuselage were also investigated for additional directional stability. A small horizontal tail with an elevator was mounted aft on the fuselage to provide longitudinal pitch control. Wing spoilers and horizontal tail dihedral were investigated on configurations with wings  $W_2$  and  $W_3$ , respectively.

## APPARATUS AND METHODS

### Test Facility

The investigation was conducted in the Langley 8-foot transonic pressure tunnel, a continuous-flow, single-return tunnel with a slotted, rectangular test section. The longitudinal slots in the floor and ceiling of the test section reduce wall interference effects and allow relatively large models to



be tested through the subsonic speed range. Available controls permit independent variation of Mach number, stagnation pressure and temperature, and dew point.

#### Test Conditions

The tests were conducted for a Mach number range from 0.60 to 1.20, an angle-of-attack range from about  $-6^{\circ}$  to  $13^{\circ}$ , and at angles of sideslip of  $0^{\circ}$  and  $2^{\circ}$ . The nominal test conditions for the investigation were as follows:

<u>M</u>	<u>Stagnation temperature, °F</u>	<u>Stagnation pressure, psfa</u>	<u>R, per foot</u>	
0.60	120 ↓	1335	$2.0 \times 10^6$ ↓	
0.80		1122		
0.90		1066		
0.925		1055		
0.95		1046		
0.975		1037		
1.00		1030		
1.20		1004		
0.80		842		$1.5 \times 10^6$ ↓
0.90		799		
0.925	791			
0.95	784			
0.975	778			
1.00	772			
1.20	752			

The stagnation dewpoint temperature was maintained sufficiently low to avoid any significant condensation effects in the test section. It should be noted here that data are not available for all configurations at all possible test conditions.

#### Boundary-Layer Transition

All tests of the model were conducted with a 0.05-inch-wide band of No. 60 (0.0117 in.) carborundum grit located 1.2 inch aft of the forebody apex. A similar size band of No. 80 (0.0083 in.) carborundum grit was located 0.6 inch

streamwise from the leading edge of all external surfaces and of the inside surface of the engine nacelles. An extensive Reynolds number study was not conducted because of model limitations, however, a fluorescent oil film technique, reference 4, was used to ensure that the grit size selected tripped the flow to turbulent conditions.

#### Measurements

Aerodynamic forces and moments were measured by means of a six-component, electrical strain gage balance housed within the model. The fuselage cavity pressure was measured by means of a static orifice located in the balance chamber and at the base of the fuselage cavity. For the basic configuration ( $B_1W_1E_2H_1V_1V_2$ ), with all wing leading- and trailing-edge flaps set at  $0^\circ$ , the nacelle base pressures on one side of the model were measured by means of a circular row of five static orifices connected to a single transducer for each engine nacelle.

#### Corrections

The angle of attack of the model was corrected for tunnel flow angularity and the angle of attack and sideslip were corrected for deflection of the sting-balance combination due to aerodynamic loading. The drag coefficient data were adjusted to correspond to free-stream static conditions in the fuselage cavity by averaging the pressures in the balance chamber and at the base of the fuselage cavity. Using the nacelle base pressure data mentioned previously in the measurements section, the nacelle base drag coefficients were calculated by adjusting the measured static pressure to free-stream conditions. The variations of the nacelle base drag coefficient with lift coefficient at a Reynolds number per foot of  $2.0 \times 10^6$  are presented in figure 3 and it can be seen that the nacelle base pressure did not change appreciably with lift

coefficient. Consequently, all drag data were adjusted to correspond to free-stream static conditions at the base of the engine nacelles by using a constant value of the nacelle base drag coefficient at each Mach number. The corrections used for all runs and at all lift coefficients are as follows:

<u>M</u>	<u>C<sub>D,b</sub></u>
0.60	0.0008
0.80	0.0008
0.90	0.0008
0.925	0.0008
0.95	0.0007
0.975	0.0007
1.00	0.0011
1.20	0.0021

In addition, the drag coefficient results have been corrected for the internal skin-friction drag of the engine nacelles. This drag coefficient correction amounted to 0.0010 and was constant for all test conditions since the internal skin-friction drag coefficient varied little with Mach number for the Reynolds numbers of these tests.

The data presented were not corrected to account for wall interference and tunnel blockage effects. Therefore, the accuracy of data at Mach numbers near 1.0 may be questionable (see ref. 5).

#### PRESENTATION OF RESULTS

The results of this investigation are presented in the following figures:

Figure

Longitudinal aerodynamic characteristics ( $\beta = 0^\circ$ ) of the configurations with a wing leading-edge radius of 0.002c ( $W_1$ )	
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Figure

Effect of spoiler deflections on the longitudinal and lateral-directional aerodynamic characteristics of the configurations with a wing leading-edge radius of  $0.005c_1$  ( $W_2$ ). . . . . 17

Effect of centerline and outboard vertical tails on the lateral-directional stability parameters of the configurations with a wing leading-edge radius of  $0.002c$  ( $W_1$ ). . . . . 18

Effect of centerline ventral fin and strakes on the lateral-directional stability parameters of the configurations with a wing leading-edge radius of  $0.005c_1$  ( $W_2$ ) . . . . . 19

Summary of longitudinal parameters with Mach number. . . . . 20

Longitudinal aerodynamic characteristics ( $\beta = 0^\circ$ ) of the configurations with a wing leading-edge radius of  $0.005c_1$  ( $W_3$ )

Effect of wing leading-edge camber and wing-tip flap deflections . . . . . 21

Effect of horizontal-tail deflections and horizontal-tail dihedral angle . . . . . 22

Effect of wing leading- and trailing-edge flap deflections . . . . . 23

Effect of outboard vertical tails. . . . . 24

Comparison of the longitudinal aerodynamic characteristics for two configurations having a different wing leading-edge camber, wing-tip geometry, and wing-tip flap . . . . . 25

RESULTS AND DISCUSSION

Although no detailed analysis of the results is presented, several pertinent areas are briefly discussed.

Effect of wing-tip sweep change and Krüger flaps for	
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$\delta_{L1,2,3,4,5} = 15^{\circ}; \delta_{t1,2,3} = 5^{\circ}$ . . . . .	6
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with a wing leading-edge radius of $0.005c (W_2)$ . . . . .	16

### Longitudinal Aerodynamic Characteristics

The pitching moment curves for the basic configuration,  $B_1W_1E_2H_1V_1V_2$ , with the wing leading- and trailing-edge flaps at  $0^\circ$  (fig. 4) were nonlinear at the higher lift coefficients and showed a pitchup tendency at all Mach numbers. Deflecting the wing trailing-edge flaps (fig. 4) increased  $(L/D)_{\max}$  at Mach numbers at or below 0.95; however, deflecting the trailing-edge flaps caused a negative  $C_{m,0}$  increment with little change in the basic shape of the pitching moment curve.

Figures 5 and 6 indicate that changing the wing-tip sweep to  $60^\circ$  and deflecting the wing-tip Krüger flap to  $20^\circ$  increased  $(L/D)_{\max}$  at all Mach numbers and helped alleviate some of the pitchup tendencies of the configuration at the higher lift coefficients. Similar improvements to the pitching moment characteristics of the configuration were also obtained by deflection of the wing leading-edge flaps (figs. 7 and 8); however, deflection of the leading-edge flaps decreased  $(L/D)_{\max}$  at all Mach numbers above  $M = 0.60$ .

Changing the wing leading-edge radius to  $0.005c_1$  (fig. 11) increased  $(L/D)_{\max}$  and helped to linearize the pitching moment curve for lift coefficients between  $-0.15$  and  $0.50$ . From a performance and trim consideration, figure 11 indicates that possibly the optimum configuration for cruise at Mach numbers between  $M = 0.80$  and  $M = 0.975$  is with the larger wing leading-edge radius, the wing leading- and trailing-edge flaps set at  $0^\circ$ , the wing-tip swept to  $60^\circ$ , and with the wing tip Krüger flap set at  $20^\circ$ .  $(L/D)_{\max}$  for this configuration is about 10 for this range of Mach numbers with  $C_{L_{\text{trim}}}$  between 0.15 and 0.20. Figure 20 presents a summary of the longitudinal parameters with Mach number for this configuration compared to the basic

configuration  $B_1W_1E_2H_1V_1V_2$  with control surfaces set at  $0^\circ$  and indicates that the performance gains are due to a 25-percent reduction in drag due to lift.

#### Lateral Aerodynamic Characteristics

Figures 18 and 19 show that the model had positive effective dihedral ( $-C_{l\beta}$ ) throughout the angle of attack and Mach number range of these tests. The static directional stability parameter,  $C_{n\beta}$ , is shown to decrease to approximately zero at an angle of attack of about  $4^\circ$  and then increase as the angle of attack is increased beyond about  $4^\circ$ . The addition of strakes (fig. 19) increased  $C_{n\beta}$  at positive angles of attack while the addition of a centerline ventral fin increased  $C_{n\beta}$  at all angles.

Differential deflection of the trailing-edge flaps between the engine nacelles,  $t_2$ , for roll control (fig. 15) produced significant rolling moments throughout the Mach number range; however, adverse yaw due to roll was indicated at angles of attack greater than about  $-2^\circ$ . Differential deflection of the the spoilers for roll control produced significant rolling moments at Mach numbers above 0.60 and at angles of attack less than about  $5^\circ$ ; adverse yaw due to roll is indicated.

#### CONCLUDING REMARKS

Tests on a 0.015-scale model of a supersonic transport (SCAT 15F-9898) were conducted at Mach numbers from 0.60 to 1.20. Tests of the complete model with three wing planforms, two different leading-edge radii, and various combinations of component parts, including both leading- and trailing-edge flaps, were made over an angle-of-attack range from about  $-6^\circ$  to  $13^\circ$  and at sideslip angles of  $0^\circ$  and  $2^\circ$ .

1. The basic configuration had pitchup tendencies at the higher lift coefficients and at all Mach numbers.

2. Changing the wing-tip sweep angle to  $60^{\circ}$  and deflecting the wing-tip Kruger flap to  $20^{\circ}$  or increasing the radius of the wing leading-edge increased the maximum lift-to-drag ratio of the configuration and alleviated the pitchup tendencies at the higher lift coefficients.

3. From a performance and trim consideration, the optimum configuration for cruise at Mach numbers between 0.80 and 0.975 was with the larger wing leading-edge radius, the leading- and trailing-edge flaps set at  $0^{\circ}$ , the wing tip swept to  $60^{\circ}$ , and the wing-tip Kruger flap set at  $20^{\circ}$ . Maximum tunnel lift-to-drag ratio for this configuration is about 10 at Mach numbers between 0.80 to 0.975 and with a trimmed lift coefficient between 0.15 to 0.20. Comparison of the so-called optimum configuration with the basic configuration indicates that the performance gains are due to a 25-percent reduction in drag due to lift.

4. The static directional stability decreased to approximately zero at an angle of attack of about  $4^{\circ}$  and then increased as the angle of attack was increased beyond  $4^{\circ}$ . The addition of strakes or a centerline ventral fin significantly increased the static directional stability in the range where the static directional stability was deficient.



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TABLE I.- GEOMETRIC CHARACTERISTICS OF MODEL

Wing,  $W_1$

Aspect ratio . . . . .	1.63
Span, in. . . . .	22.824
Area, sq. ft . . . . .	2.227
Root chord at fuselage centerline, in. . . . .	32.076
Tip chord, in. . . . .	1.350
Mean geometric chord, in. . . . .	19.155
Thickness-chord ratio, near root . . . . .	0.030
Thickness-chord ratio, tip . . . . .	0.027

Fuselage,  $B_1$

Length, in. . . . .	54.000
Balance-chamber area, sq. ft . . . . .	0.0158

Horizontal tail,  $H_1$

Aspect ratio, exposed . . . . .	2.42
Span, exposed, in. . . . .	2.970
Area, exposed, sq. ft . . . . .	0.0504
Root chord at fuselage juncture, in. . . . .	4.016
Tip chord, in. . . . .	0.889
Mean geometric chord, in. . . . .	2.780
Airfoil section . . . . .	Half circular arc
Thickness-chord ratio . . . . .	0.030

Centerline vertical tail,  $V_1$

Area, sq. ft . . . . .	0.059
Airfoil section . . . . .	Half circular arc
Thickness-chord ratio . . . . .	0.030

Outboard vertical tails,  $V_2$

Area (each), sq. ft . . . . .	0.059
Airfoil section . . . . .	Half circular arc
Thickness-chord ratio . . . . .	0.025

Centerline ventral fin,  $U_1$

Area, sq. ft . . . . .	0.024
Airfoil section . . . . .	Wedge slab

Nacelles,  $E_2$

Length, in. . . . .	6.728
Base area (each) sq. ft . . . . .	0.00336

TABLE II. - AIRFOIL COORDINATES FOR W<sub>1</sub>

	y = 0.856 in. c = 29.091 in.		y = 1.141 in. c = 28.096 in.		y = 1.712 in. c = 26.106 in.		y = 2.370 in. c = 23.810 in.	
	z, in.							
$r/c$	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface
0.	1.778	1.778	1.487	1.487	1.121	1.121	0.880	0.880
.0013	1.805	1.751	1.512	1.462	1.144	1.100	.900	.863
.0025	1.815	1.739	1.522	1.451	1.154	1.092	.910	.856
.0050	1.832	1.720	1.538	1.434	1.172	1.078	.925	.846
.0075	1.844	1.705	1.551	1.420	1.185	1.069	.937	.839
.010	1.853	1.692	1.561	1.409	1.196	1.062	.947	.834
.015	1.867	1.670	1.578	1.392	1.214	1.051	.965	.827
.025	1.884	1.637	1.592	1.360	1.239	1.034	.991	.818
.050	1.895	1.565	1.612	1.301	1.276	1.003	1.028	.797
.100	1.840	1.388	1.598	1.172	1.284	.907	1.052	.734
.150	1.738	1.189	1.537	1.021	1.257	.801	1.044	.660
.200	1.612	.987	1.451	.852	1.205	.685	1.009	.570
.300	1.315	.575	1.220	.524	1.048	.435	.902	.387
.400	1.011	.193	.963	.196	.867	.194	.767	.203
.500	.712	-.152	.705	-.104	.662	-.043	.602	.014
.600	.421	-.461	.429	-.391	.434	-.274	.430	-.153
.650	.272	-.596	.290	-.515	.314	-.373	.332	-.227
.700	.119	-.707	.144	-.618	.195	-.450	.229	-.292
.750	-.038	-.795	-.005	-.696	.064	-.521	.121	-.350
.800	-.204	-.865	-.154	-.759	-.068	-.573	.002	-.402
.850	-.365	-.902	-.312	-.802	-.205	-.613	-.096	-.421
.900	-.531	-.916	-.465	-.815	-.322	-.612	-.193	-.423
.950	-.685	-.891	-.613	-.801	-.446	-.601	-.296	-.418
1.000	-.838	-.838	-.759	-.759	-.596	-.596	-.420	-.420
x-distance to leading edge	14.835 in.		15.830 in.		17.820 in.		20.116 in.	

TABLE II.- AIRFOIL COORDINATES FOR  $W_1$  - Continued

	y = 2.853 in. c = 22.295 in.		y = 3.323 in. c = 20.506 in.		y = 3.994 in. c = 18.716 in.		y = 4.565 in. c = 16.926 in.	
	z, in.							
$x_{le}/c$	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface
0.	0.740	0.740	0.590	0.590	0.455	0.455	0.342	0.342
.0013	.759	.723	.609	.575	.471	.440	.358	.329
.0025	.769	.716	.617	.568	.479	.434	.365	.323
.0050	.782	.707	.630	.559	.492	.425	.376	.315
.0075	.794	.700	.641	.552	.502	.419	.386	.310
.010	.803	.695	.649	.547	.510	.415	.393	.305
.015	.820	.688	.663	.539	.523	.408	.406	.301
.025	.845	.679	.688	.532	.546	.401	.427	.295
.050	.884	.663	.729	.522	.587	.395	.467	.290
.100	.922	.617	.775	.402	.639	.373	.518	.274
.150	.920	.552	.782	.436	.657	.335	.544	.248
.200	.899	.480	.776	.383	.664	.299	.553	.217
.300	.820	.328	.719	.259	.619	.192	.541	.149
.400	.708	.172	.634	.133	.556	.092	.488	.063
.500	.567	.012	.518	.000	.473	-.005	.413	-.024
.600	.416	-.131	.385	-.119	.359	-.103	.318	-.102
.650	.329	-.192	.308	-.171	.293	-.145	.269	-.129
.700	.234	-.250	.226	-.219	.223	-.182	.213	-.155
.750	.136	-.300	.140	-.258	.148	-.215	.163	-.166
.800	.034	-.340	.047	-.294	.069	-.240	.108	-.173
.850	-.066	-.365	-.047	-.319	-.010	-.257	.047	-.176
.900	-.162	-.374	-.142	-.334	-.086	-.260	-.024	-.181
.950	-.266	-.379	-.231	-.333	-.169	-.262	-.097	-.180
1.000	-.381	-.381	-.329	-.329	-.253	-.253	-.184	-.184
x-distance to leading edge	21.800 in.		23.790 in.		25.780 in.		27.770 in.	

TABLE II.- AIRFOIL COORDINATES FOR  $W_1$  - Continued

	y = 4.980 in. c = 15.624 in.		y = 5.706 in. c = 13.639 in.		y = 6.297 in. c = 12.079 in.		y = 6.847 in. c = 10.519 in.	
	z, in.							
$x/c$	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface
0.	0.273	0.273	0.178	0.178	0.116	0.116	0.058	0.058
.0013	.287	.260	.191	.167	.128	.106	.068	.050
.0025	.294	.255	.197	.163	.133	.103	.073	.046
.0050	.305	.248	.207	.157	.142	.097	.081	.042
.0075	.313	.243	.215	.152	.149	.093	.088	.039
.010	.320	.238	.221	.149	.155	.090	.094	.037
.015	.332	.233	.231	.144	.164	.087	.103	.035
.025	.351	.228	.250	.141	.181	.084	.118	.033
.050	.386	.222	.283	.138	.214	.084	.146	.032
.100	.442	.214	.332	.131	.260	.080	.191	.033
.150	.470	.195	.360	.117	.291	.074	.221	.031
.200	.484	.172	.375	.099	.309	.062	.242	.026
.300	.477	.112	.383	.061	.323	.035	.265	.012
.400	.438	.043	.364	.014	.321	.000	.266	-.008
.500	.379	-.028	.321	-.038	.284	-.037	.251	-.031
.600	.292	-.099	.260	-.085	.238	-.070	.216	-.054
.650	.253	-.118	.226	-.100	.206	-.086	.193	-.063
.700	.207	-.134	.190	-.111	.175	-.094	.164	-.073
.750	.167	-.138	.153	-.116	.140	-.100	.138	-.074
.800	.123	-.138	.107	-.123	.105	-.101	.107	-.073
.850	.071	-.136	.062	-.121	.064	-.100	.068	-.075
.900	.008	-.138	.011	-.118	.013	-.102	.028	-.073
.950	-.056	-.133	-.054	-.122	-.040	-.101	-.012	-.065
1.000	-.144	-.144	-.119	-.119	-.094	-.094	-.057	-.057
x-distance to leading edge	29.218 in.		31.749 in.		33.739 in.		35.729 in.	

TABLE II.- AIRFOIL COORDINATES FOR  $W_1$  - Continued

	y = 7.418 in. c = 8.959 in.		y = 7.988 in. c = 7.399 in.		y = 8.256 in. c = 6.667 in.		y = 8.533 in. c = 5.860 in.	
	z, in.							
$x/c$	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface
0.	0.020	0.020	0.007	0.007	0.004	0.004	0.001	0.001
.0013	.030	.014	.015	.001	.010	-.002	.002	.001
.0025	.034	.011	.018	-.001	.014	-.004	.003	.001
.0050	.042	.008	.024	-.004	.019	-.007	.004	.001
.010	.053	.004	.032	-.009	.026	-.011	.007	.001
.015	.062	.003	.038	-.011	.031	-.013	.011	.002
.025	.075	.001	.049	-.013	.041	-.014	.017	.001
.050	.099	.001	.070	-.012	.059	-.014	.031	.001
.100	.141	.005	.107	-.006	.091	-.012	.057	-.001
.150	.176	.013	.133	-.003	.115	-.009	.079	-.005
.200	.199	.013	.155	.000	.135	-.005	.100	-.005
.300	.220	.003	.179	-.002	.166	.002	.139	-.005
.400	.218	-.018	.188	-.008	.174	-.004	.152	-.005
.500	.214	-.028	.190	-.012	.176	-.007	.157	-.004
.600	.197	-.035	.178	-.016	.169	-.007	.148	-.007
.700	.180	-.041	.167	-.017	.162	-.004	.139	-.008
.800	.162	-.041	.153	-.016	.154	.001	.128	-.007
.900	.138	-.044	.139	-.013	.135	-.002	.119	-.002
.800	.111	-.044	.122	-.007	.120	.003	.109	.006
.700	.078	-.046	.102	-.001	.105	.012	.097	.015
.600	.050	-.037	.081	.008	.089	.023	.084	.026
.500	.018	-.028	.056	.018	.068	.034	.066	.035
1.000	-.015	-.015	.028	.028	.050	.050	.047	.047
x-distance to leading edge	37.719 in.		39.709 in.		40.643 in.		41.610 in.	

TABLE II.- AIRFOIL COORDINATES FOR  $W_1$  - Concluded

	y = 9.130 in. c = 4.926 in.		y = 10.271 in. c = 3.138 in.		y = 11.412 in. c = 1.350 in.	
	z, in.					
$x/c$	Upper surface	Lower surface	Upper surface	Lower surface	Upper surface	Lower surface
0.	-0.045	-0.045	-0.180	-0.180	-0.374	-0.374
.0013	-.044	-.045	-.180	-.181	-.374	-.374
.0025	-.044	-.045	-.180	-.181	-.374	-.374
.0050	-.043	-.046	-.179	-.181	-.373	-.374
.0075	-.042	-.046	-.179	-.181	-.373	-.374
.010	-.041	-.047	-.178	-.181	-.373	-.374
.015	-.039	-.047	-.177	-.182	-.373	-.375
.025	-.036	-.049	-.175	-.184	-.372	-.375
.050	-.029	-.054	-.172	-.188	-.370	-.377
.100	-.014	-.063	-.164	-.196	-.367	-.382
.150	.003	-.066	-.158	-.202	-.365	-.384
.200	.017	-.070	-.153	-.208	-.363	-.386
.300	.044	-.070	-.148	-.220	-.359	-.392
.400	.056	-.074	-.147	-.230	-.358	-.393
.500	.054	-.080	-.152	-.238	-.358	-.395
.600	.045	-.086	-.160	-.242	-.359	-.395
.650	.038	-.085	-.164	-.243	-.360	-.392
.700	.030	-.084	-.170	-.243	-.362	-.393
.750	.023	-.079	-.179	-.243	-.364	-.392
.800	.015	-.072	-.188	-.243	-.366	-.390
.850	.006	-.064	-.197	-.241	-.369	-.385
.900	-.005	-.055	-.206	-.237	-.372	-.385
.950	-.017	-.042	-.218	-.234	-.375	-.380
1.000	-.030	-.030	-.230	-.230	-.379	-.379
x-distance to leading edge	42.888 in		45.336 in.		47.783 in.	

### Appendix A - Presentation of Tabulated Data for Configurations With $W_1$ and $W_2$

Configuration		$\delta_{L1}$	$\delta_{L2}$	$\delta_{L3}$	$\delta_{L4}$	$\delta_{L5}$	$\delta_{X'6}$	$\delta_{t1}$	$\delta_{t2}$	$\delta_{t3}$	$\delta_s$	$\Lambda_{tip}$	$\delta_h$	$\delta_e$	$\beta$	Run numbers at Mach numbers of						
Description	No.															1.20	1.00	0.975	0.95	0.90	0.80	0.50
$E_1 W_1 E_2 V_1 V_2$	1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	65	0	0	0	8	9	10	11	12	13	14
	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	23	24	25	26	27	28	29
	2	↓	↓	↓	↓	↓	↓	5/5	5/5	5/5	↓	↓	↓	↓	↓	31			30			33
	3	↓	↓	↓	↓	↓	↓	0/0(F)	↓	↓	↓	↓	↓	↓	↓	34			35	36		37
	4	↓	↓	↓	↓	↓	↓	5/5	↓	5/5(F)	↓	↓	↓	↓	↓				39	38		
	5	5/5	5/5	↓	↓	↓	↓	↓	↓	5/5	↓	↓	↓	↓	↓	45			44	46		47
	6	↓	↓	15/15	15/15	15/15	↓	↓	↓	↓	↓	↓	↓	↓	↓	50			51	52		
	7	15/15	15/15	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	57			56	58		59
	8	↓	↓	↓	↓	↓	20/20	↓	↓	↓	↓	60	↓	↓	↓	62			61	60		63
	9	0/0	0/0	0/0	0/0	0/0	↓	↓	↓	↓	↓	↓	↓	↓	↓	67	68	69	66	70	71	72
	10	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	-10	↓	↓	73	74	75	76	77	78	79
	11	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	+20	↓	↓	80	81	82	83	84	85	86
	12	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	-10	-20	↓	87	88	89	90	91	92	93
	13	15/15	15/15	↓	↓	↓	↓	↓	↓	↓	↓	↓	0	0	↓	94	95	96	97	98	99	100
	13	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	2	101	102		103	104		105
	14	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	107	108		109	110		111
	14	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0	112	113		114	115		116
	15	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	117	118		119	120		121
	15	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	2	122	123		124	125		126
	16	↓	↓	↓	↓	↓	↓	↓	15/-15	↓	↓	↓	↓	↓	0	127	128		129	130		131
	17	0/0	0/0	↓	↓	↓	↓	↓	5/5	0/0	↓	↓	↓	↓	↓	133	134	135	132	136	137	138
	18	↓	↓	↓	↓	↓	↓	0/0	0/0	0/0	↓	↓	↓	↓	↓	141	142	143	144	145	146	147
	19	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	148			149			150
	19	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	2	151			152			153
	18	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	154			155			156
	20	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	157			158			159
	20	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	0	160			161			162
	21	↓	↓	↓	↓	↓	↓	↓	↓	↓	0/30	↓	↓	↓	↓	163			164			165
	22	↓	↓	↓	↓	↓	↓	↓	↓	0/0	↓	↓	↓	↓	↓	166			167	168	169	170



APPENDIX A - Continued

On previous table,  
 $\delta_{L1} \dots \delta_{L5}$ ,  $\delta_{K'6}$ ,  $\delta_{t1} \dots \delta_{t3}$ ,  $\delta_s$ ,  $\Lambda_{tip}$ ,  $\epsilon_{11}$ ,  $\delta_e$ , and  $\beta$  are defined in the symbol list and are in degrees. F stands for Fowler flap which increased the flap area by 50 percent. 5/5 indicates, for example, that the left wing control deflection was 5° and the right wing control deflection was 5°.

The symbols used on the tabulated data are defined as follows:

POINT	point number
MACH NO	nominal free-stream Mach number
MINF	actual free-stream Mach number
Q	free-stream dynamic pressure, psfa
BETA	angle of sideslip, deg
ALPHA	angle of attack, deg
CN	normal force coefficient
CA	axial force coefficient
CM	pitching moment coefficient
CROLL	rolling moment coefficient about body axis
CYAW	yawing moment coefficient about body axis
CSIDE	side force coefficient
CL	lift coefficient
CD	corrected drag coefficient
L/D	lift drag ratio
CLSQ	lift coefficient squared
CDC	chamber drag coefficient
COB	nacelle base drag coefficient
CDI	internal skin friction drag coefficient
R/FT	Reynolds number per foot (times 10 <sup>6</sup> )
TEMP	stagnation temperature, °F

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 481 RUN 8 MACH 1.200 CONFIG. 1

POINT	TIME	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
18	1.200	417.47	-.00	-4.20	-.0458	-.01315	-.0227	.0003	.0002	-.0000	-.0467	-.01366	-3.57
19	1.200	417.58	.00	-1.37	-.0573	-.01706	-.0000	.0000	.0001	-.0003	-.0577	-.01259	4.58
20	1.200	417.37	.00	-.01	-.1074	-.01603	-.0011	.0000	.0001	-.0004	-.1074	-.01491	7.26
21	1.201	417.48	.00	1.46	-.1687	-.01908	-.0077	-.0000	.0002	-.0004	-.1682	-.02028	8.29
22	1.200	417.58	.01	2.28	-.2060	-.02011	-.0133	.0000	-.0000	-.0005	-.2059	-.02523	8.16
23	1.200	417.58	.01	3.01	-.2396	-.02127	-.0171	-.0001	.0002	-.0009	-.2391	-.03073	7.75
24	1.200	417.58	.01	3.83	-.2785	-.02267	-.0214	-.0000	.0001	-.0009	-.2784	-.03814	7.25
25	1.200	417.50	.01	4.70	-.3177	-.02429	-.0249	-.0000	.0001	-.0009	-.3166	-.04714	6.67
26	1.200	417.35	.00	5.58	-.3590	-.02626	-.0273	-.0000	.0002	-.0009	-.3547	-.05793	6.12
27	1.200	417.45	.01	6.45	-.3993	-.02839	-.0290	-.0000	.0000	-.0011	-.3938	-.06999	5.43
28	1.199	417.32	.01	7.38	-.4424	-.03071	-.0305	-.0000	.0002	-.0014	-.4348	-.08417	5.17
30	1.200	417.44	.00	1.49	-.1729	-.01318	-.0082	-.0001	.0001	-.0007	-.1723	-.02058	8.37
31	1.201	417.45	.01	4.69	-.3190	-.02439	-.0249	-.0000	.0001	-.0009	-.3160	-.04731	6.68

POINT	ALPHA	CLSO	CDL	COB	COI	R/FT	TEMP
18	-4.20	-.0024	-.0042	.00210	.0010	2.00	120.1
19	-1.37	-.0033	-.00114	.00210	.0010	2.00	120.2
20	-.01	-.0115	-.00115	.00210	.0010	2.00	120.1
21	1.46	-.0283	-.00124	.00210	.0010	2.00	120.2
22	2.28	-.0424	-.00128	.00210	.0010	2.00	120.1
23	3.01	-.0567	-.00130	.00210	.0010	2.00	120.2
24	3.83	-.0704	-.00132	.00210	.0010	2.00	119.9
25	4.70	-.0890	-.00135	.00210	.0010	2.00	120.1
26	5.58	-.1258	-.00140	.00210	.0010	2.00	120.1
27	6.45	-.1550	-.00145	.00210	.0010	2.00	120.1
28	7.38	-.1890	-.00149	.00210	.0010	2.00	120.1
30	1.49	-.0297	-.00123	.00210	.0010	2.00	120.1
31	4.69	-.0998	-.00133	.00210	.0010	2.00	120.1

TEST 481 RUN 9 MACH 1.000 CONFIG. 1

POINT	TIME	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
32	1.000	380.93	-.00	-4.28	-.0574	-.01195	-.0239	.0005	.0002	-.0003	-.0564	-.01441	-4.00
33	1.000	380.79	.00	-1.43	-.0545	-.01544	-.0157	.0003	.0001	-.0006	-.0545	-.01440	4.43
34	1.000	380.86	.00	-.05	-.1052	-.01656	-.0045	.0003	.0001	-.0004	-.1053	-.01447	7.27
35	1.000	380.81	.00	1.38	-.1653	-.01787	-.0029	.0002	.0001	-.0007	-.1644	-.01934	4.52
36	1.000	380.90	.01	2.14	-.2012	-.01939	-.0073	.0002	.0000	-.0007	-.2003	-.02377	4.43
37	.999	380.56	.01	2.95	-.2407	-.01945	-.0116	.0001	.0004	-.0004	-.2394	-.02972	4.16
38	1.000	381.11	.01	3.75	-.2781	-.02088	-.0156	.0002	.0000	-.0009	-.2782	-.03572	7.44
39	.999	380.70	.01	4.58	-.3183	-.02233	-.0183	.0004	.0000	-.0010	-.3155	-.04556	4.93
40	1.000	380.86	.01	5.45	-.3603	-.02435	-.0230	.0004	-.0001	-.0011	-.3563	-.05634	4.32
41	.998	380.35	.01	6.37	-.4034	-.02644	-.0206	.0003	.0000	-.0015	-.3994	-.06839	4.77
42	1.001	381.19	.01	7.10	-.4379	-.02843	-.0215	.0004	-.0000	-.0013	-.4311	-.08125	4.37
43	1.000	380.91	.00	1.39	-.1659	-.01753	-.0030	.0002	.0000	-.0005	-.1654	-.01944	6.51

POINT	ALPHA	CLSO	CDL	COB	COI	R/FT	TEMP
32	-4.28	-.0032	-.00607	.00110	.0010	2.00	119.9
33	-1.43	-.0030	-.00605	.00110	.0010	2.00	119.9
34	-.05	-.0111	-.00603	.00110	.0010	2.00	119.9
35	1.38	-.0272	-.00606	.00110	.0010	2.00	119.9
36	2.14	-.0401	-.00601	.00110	.0010	2.00	120.0
37	2.95	-.0573	-.00608	.00110	.0010	2.00	120.0
38	3.75	-.0763	-.00607	.00110	.0010	2.00	120.0
39	4.58	-.0996	-.00611	.00110	.0010	2.00	120.1
40	5.45	-.1270	-.00614	.00110	.0010	2.00	120.1
41	6.37	-.1587	-.00619	.00110	.0010	2.00	120.0
42	7.10	-.1858	-.00619	.00110	.0010	2.00	120.0
43	1.39	-.0274	-.00602	.00110	.0010	2.00	119.9

ORIGINAL PAGE IS  
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NASA LANGLEY RESEARCH CENTER 0-FT TPT

SCAT 15-F

TEST 401 RUN 10 MACH .975 CONFIG. 1

POINT	MIRP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSTOE	CL	CD	L/D
44	.975	374.01	-.00	-4.21	-.0519	.01106	-.0230	.0005	.0002	-.0001	-.0509	.01314	-3.87
45	.976	374.44	.00	-1.44	.0541	.01443	-.0197	.0002	.0000	-.0004	.0544	.01156	4.71
46	.975	374.04	.00	-.07	.1050	.01552	.0044	.0002	.0001	-.0006	.1050	.01369	7.73
47	.976	374.04	.00	1.36	.1644	.01632	-.0332	.0002	.0001	-.0007	.1642	.01658	8.94
48	.973	374.37	.00	2.12	.2028	.01709	-.0375	.0002	.0000	-.0008	.2020	.02200	9.83
49	.976	374.55	.00	2.91	.2393	.01819	-.0413	.0001	.0002	-.0012	.2391	.02861	8.32
50	.976	374.65	.00	3.72	.2795	.01955	-.0450	.0002	.0001	-.0012	.2776	.03596	7.72
51	.973	374.13	.00	4.52	.3169	.02099	-.0475	.0004	-.0000	-.0012	.3143	.04421	7.11
52	.976	374.49	.01	5.43	.3625	.02319	-.0496	.0004	-.0001	-.0013	.3582	.05562	6.44
53	.976	374.66	.01	6.34	.4055	.02549	-.0521	.0004	-.0000	-.0015	.4002	.06843	5.85
54	.976	374.85	.01	6.93	.4322	.02688	-.0536	.0004	-.0000	-.0014	.4254	.07716	5.52
55	.976	374.44	.01	1.36	.1637	.01625	-.0327	.0001	.0001	-.0009	.1632	.01838	8.88

POINT	ALPHA	CLSQ	CUL	CDB	CDI	R/FT	TEMP
44	-4.21	.0026	.00000	.00070	.0010	2.00	119.9
45	-1.44	.0030	.00012	.00070	.0010	2.00	119.9
46	-.07	.0112	.00011	.00070	.0010	2.00	119.9
47	1.36	.0276	.00010	.00070	.0010	2.00	119.9
48	2.12	.0408	.00019	.00070	.0010	2.00	120.0
49	2.91	.0567	.00021	.00070	.0010	2.00	120.0
50	3.72	.0771	.00024	.00070	.0010	2.00	120.0
51	4.52	.0988	.00028	.00070	.0010	2.00	119.9
52	5.43	.1263	.00030	.00070	.0010	2.00	119.9
53	6.34	.1601	.00035	.00070	.0010	2.00	119.9
54	6.93	.1813	.00034	.00070	.0010	2.00	119.9
55	1.36	.0266	.00013	.00070	.0010	2.00	119.9

TEST 401 RUN 11 MACH .950 CONFIG. 1

POINT	MIRP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSTOE	CL	CD	L/D
56	.951	369.43	-.00	-4.31	-.1007	.01356	-.0234	.0004	.0001	-.0002	-.0598	.01340	-4.46
57	.950	369.30	.00	-1.44	.0511	.01444	-.0110	.0002	-.0000	-.0004	.0515	.01147	4.49
58	.950	369.41	.00	-.07	.1015	.01525	.0061	.0002	-.0000	-.0004	.1015	.01342	7.50
59	.949	368.89	.00	1.32	.1589	.01591	-.0324	.0001	.0001	-.0004	.1585	.01787	4.47
60	.951	370.02	.00	2.06	.1931	.01669	-.0344	.0000	.0000	-.0004	.1924	.02199	8.75
61	.951	369.84	.00	2.90	.2339	.01781	-.0381	.0001	.0002	-.0013	.2327	.02794	8.33
62	.950	369.58	.00	3.67	.2702	.01899	-.0409	.0001	.0001	-.0014	.2644	.03456	7.77
63	.950	369.66	.00	4.52	.3123	.02061	-.0437	.0004	.0000	-.0014	.3097	.04347	7.12
64	.951	369.62	.00	5.39	.3534	.02240	-.0449	.0004	-.0000	-.0014	.3497	.05381	6.50
65	.950	369.53	.01	6.32	.3989	.02474	-.0458	.0003	.0000	-.0013	.3937	.06679	5.90
66	.951	369.57	.01	1.33	.1596	.01598	-.0306	.0001	.0001	-.0004	.1592	.01797	8.86

POINT	ALPHA	CLSQ	CUL	CDB	CDI	R/FT	TEMP
56	-4.31	.0036	.00041	.00070	.0010	2.00	119.9
57	-1.44	.0026	.00024	.00070	.0010	2.00	120.0
58	-.07	.0103	.00020	.00070	.0010	2.00	120.1
59	1.32	.0251	.00031	.00070	.0010	2.00	120.0
60	2.06	.0370	.00049	.00070	.0010	2.00	120.0
61	2.90	.0541	.00064	.00070	.0010	2.00	120.1
62	3.67	.0720	.00088	.00070	.0010	2.00	120.0
63	4.52	.0959	.00114	.00070	.0010	2.00	119.9
64	5.39	.1223	.00144	.00070	.0010	2.00	120.0
65	6.32	.1550	.00179	.00070	.0010	2.00	120.0
66	1.33	.0253	.00030	.00070	.0010	2.00	119.9

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NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401 RUN 12 MACH .900 CONFIG. 1

POINT	TIME	Q	BETA	ALPHA	CM	CA	CR	CROLL	CVAN	CSIDE	CL	CD	L/D
67	.900	357.12	.000	-4.32	-.0593	.01066	.0221	.0004	.0001	-.0002	-.0584	.01331	-4.39
68	.900	357.23	.000	-1.51	-.0482	.01440	.0121	.0002	.0000	-.0005	.0485	.01133	4.28
69	.900	357.23	.000	-1.14	-.0969	.01514	.0075	.0002	.0000	-.0005	.0969	.01311	7.40
70	.899	357.19	.001	1.26	.1527	.01576	.0017	.0001	.0001	-.0008	.1524	.01731	8.83
71	.900	357.55	.001	2.00	.1844	.01630	-.0013	.0000	.0000	-.0008	.1837	.02093	8.77
72	.901	357.67	.001	2.76	.2195	.01722	-.0002	.0001	.0001	-.0011	.2185	.02597	8.41
73	.899	356.83	.001	3.52	.2523	.01817	-.0006	.0002	.0002	-.0014	.2509	.03183	7.84
74	.900	357.55	.001	4.32	.2903	.01946	-.0005	.0004	.0000	-.0015	.2892	.03946	7.30
75	.899	357.00	.001	5.22	.3358	.02131	-.0008	.0005	-.0001	-.0015	.3325	.04999	6.65
76	.900	357.63	.001	6.14	.3792	.02343	-.0101	.0003	.0000	-.0015	.3745	.06207	6.03
77	.901	357.79	.001	1.26	.1516	.01571	.0318	.0000	.0000	-.0008	.1512	.01724	8.77

POINT	ALPHA	CLSQ	CUC	COB	COI	R/FT	TEMP
67	-4.32	.0034	.00032	.00080	.0010	2.00	119.9
68	-1.51	.0024	.00023	.00080	.0010	2.00	120.1
69	-1.14	.0094	.00038	.00080	.0010	2.00	120.0
70	1.26	.0232	.00027	.00080	.0010	2.00	119.9
71	2.00	.0337	.00041	.00080	.0010	2.00	119.9
72	2.76	.0477	.00042	.00080	.0010	2.00	119.9
73	3.52	.0630	.00047	.00080	.0010	2.00	119.9
74	4.32	.0830	.00047	.00080	.0010	2.00	119.9
75	5.22	.1105	.00050	.00080	.0010	2.00	120.1
76	6.14	.1402	.00050	.00080	.0010	2.00	120.0
77	1.26	.0229	.00038	.00080	.0010	2.00	119.9

TEST 401 RUN 13 MACH .900 CONFIG. 1

POINT	TIME	Q	BETA	ALPHA	CM	CA	CR	CROLL	CVAN	CSIDE	CL	CD	L/D
78	.801	330.15	.000	-4.28	-.0576	.01177	.0206	.0003	.0001	-.0002	-.0566	.01324	-4.28
79	.800	330.03	.000	-1.58	-.0434	.01437	.0127	.0002	.0000	-.0005	.0438	.01138	3.85
80	.801	330.22	.000	-1.26	-.0881	.01500	.0091	.0001	.0000	-.0005	.0882	.01280	6.84
81	.799	329.47	.000	1.06	.1369	.01537	.0067	.0001	.0001	-.0007	.1366	.01611	4.44
82	.800	329.88	.001	1.77	.1655	.01582	.0023	.0000	.0000	-.0008	.1649	.01911	6.63
83	.800	329.60	.001	2.52	.1996	.01659	-.0001	.0001	.0000	-.0011	.1987	.02354	6.44
84	.801	330.09	.001	3.25	.2318	.01737	-.0021	.0001	.0001	-.0014	.2304	.02969	6.03
85	.800	329.81	.001	4.05	.2702	.01856	-.0036	.0004	-.0000	-.0014	.2682	.03548	7.49
86	.800	329.74	.001	4.83	.3045	.01973	-.0046	.0004	-.0001	-.0014	.3018	.04348	6.94
87	.799	329.46	.001	5.66	.3457	.02151	-.0048	.0005	-.0001	-.0014	.3419	.05382	6.35
88	.801	330.37	.001	6.33	.3737	.02272	-.0047	.0004	.0000	-.0014	.3590	.06201	6.05
89	.800	329.67	.001	1.08	.1389	.01544	.0046	.0001	.0001	-.0008	.1386	.01626	5.42

POINT	ALPHA	CLSQ	CUC	COB	COI	R/FT	TEMP
78	-4.28	.0032	.00039	.00080	.0010	2.00	119.9
79	-1.58	.0019	.00037	.00080	.0010	2.00	119.9
80	-1.26	.0078	.00041	.00080	.0010	2.00	120.0
81	1.06	.0187	.00040	.00080	.0010	2.00	120.0
82	1.77	.0272	.00045	.00080	.0010	2.00	119.9
83	2.52	.0395	.00047	.00080	.0010	2.00	119.9
84	3.25	.0531	.00050	.00080	.0010	2.00	119.7
85	4.05	.0719	.00052	.00080	.0010	2.00	119.9
86	4.83	.0911	.00050	.00080	.0010	2.00	120.0
87	5.66	.1169	.00057	.00080	.0010	2.00	120.1
88	6.33	.1381	.00058	.00080	.0010	2.00	120.0
89	1.08	.0192	.00044	.00080	.0010	2.00	119.9

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 40A													
RUN 14													
MACH .600													
CONFIG. 1													
POINT	M/NP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
90	.600	253.46	.000	-4.33	-.0585	.01006	.0192	.0002	.0001	-.0005	-.0575	.01345	-4.28
91	.600	263.87	.000	-1.74	.0361	.01428	.0133	.0001	.0001	-.0007	.0365	.01138	3.20
92	.599	263.37	.000	-.53	.0741	.01498	.0109	.0001	.0001	-.0007	.0743	.01250	3.94
93	.600	263.62	.000	.72	.1177	.01523	.0076	.0001	.0001	-.0008	.1175	.01491	7.48
94	.603	263.54	.000	1.35	.1398	.01539	.0058	.0000	.0001	-.0009	.1394	.01687	8.27
95	.600	253.78	.001	2.62	.1685	.01579	.0040	-.0001	-.0000	-.0011	.1678	.01991	8.43
96	.600	263.70	.001	2.62	.1908	.01617	.0025	.0000	-.0001	-.0011	.1898	.02356	8.2
97	.600	263.54	.001	3.39	.2291	.01712	.0009	.0002	-.0000	-.0017	.2277	.02886	7.89
98	.600	263.70	.001	4.60	.2518	.01759	.0002	.0003	-.0001	-.0020	.2500	.03331	7.50
99	.599	263.21	.001	4.78	.2877	.01873	-.0006	.0005	-.0001	-.0021	.2851	.04084	6.98
100	.600	263.62	.002	5.51	.3248	.02017	-.0005	.0006	-.0002	-.0020	.3213	.04944	6.50
101	.600	263.70	.001	6.35	.3639	.02187	-.0003	.0004	.0001	-.0017	.3593	.06017	5.91
102	.600	263.46	.001	7.01	.3945	.02308	-.0005	.0003	.0000	-.0016	.3888	.06925	5.61
103	.600	263.54	.001	7.78	.4320	.02461	.0012	.0004	.0001	-.0020	.4247	.08109	5.24
104	.600	264.03	.000	-4.30	-.0563	.01101	.0192	.0003	.0002	-.0005	-.0553	.01144	-4.13
105	.600	263.87	.000	-3.64	-.0295	.01209	.0174	.0002	.0000	-.0002	-.0286	.01214	-2.36
106	.600	263.79	.000	-3.01	-.0079	.01295	.0159	.0002	.0000	-.0004	-.0072	.01155	-.63
107	.601	264.36	.000	-2.39	.0149	.01375	.0145	.0002	.0000	-.0006	-.0155	.01131	1.37
108	.600	263.87	.000	-1.75	.0353	.01433	.0134	.0002	.0000	-.0006	-.0357	.01145	3.72
109	.600	263.95	.000	.74	.1194	.01527	.0074	.0001	.0000	-.0007	.1192	.01502	7.94

POINT	ALPHA	CL50	LOC	CDB	COI	R/FT	TEMP
90	-4.33	.0333	.00000	.00000	.0010	2.00	119.9
91	-1.74	.0013	.00000	.00000	.0010	2.00	119.9
92	-.53	.0055	.00000	.00000	.0010	2.00	119.9
93	.72	.0138	.00000	.00000	.0010	2.00	119.9
94	1.35	.0194	.00000	.00000	.0010	2.00	119.9
95	2.02	.0262	.00000	.00000	.0010	2.00	119.9
96	2.62	.0360	.00000	.00000	.0010	2.00	119.9
97	3.39	.0518	.00000	.00000	.0010	2.00	119.9
98	4.60	.0825	.00000	.00000	.0010	2.00	120.1
99	4.78	.0813	.00000	.00000	.0010	2.00	120.0
100	5.51	.1033	.00000	.00000	.0010	2.00	119.9
101	6.35	.1291	.00000	.00000	.0010	2.00	119.9
102	7.01	.1511	.00000	.00000	.0010	2.00	119.9
103	7.78	.1803	.00000	.00000	.0010	2.00	119.7
104	-4.30	.0631	.00000	.00000	.0010	2.00	120.1
105	-3.64	.0408	.00000	.00000	.0010	2.00	120.0
106	-3.01	.0031	.00000	.00000	.0010	2.00	119.9
107	-2.39	.0002	.00000	.00000	.0010	2.00	119.7
108	-1.75	.0013	.00000	.00000	.0010	2.00	119.7
109	.74	.0142	.00000	.00000	.0010	2.00	119.7

TEST 48A													
RUN 23													
MACH 1.200													
CONFIG. 1													
POINT	M/NP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
198	1.201	417.22	.001	1.46	.1688	.01906	-.0077	-.0001	.0001	-.0009	.1683	.02127	4.30
199	1.201	417.11	-.000	-5.73	-.1149	.01031	.0312	.0004	.0001	-.0000	-.1133	.01863	-4.04
200	1.201	417.14	-.000	-4.22	-.0513	.01311	.0229	.0002	.0002	-.0005	-.0502	.01375	-3.65
201	1.201	417.11	.000	-3.49	-.0221	.01431	.0149	.0002	.0002	-.0006	-.0212	.01253	-3.49
202	1.201	417.17	.000	-2.78	.0049	.01540	.0151	.0001	.0001	-.0006	.0056	.01265	1.47
203	1.201	417.11	.000	-2.11	.0286	.01617	.0119	-.0000	.0001	-.0007	.0292	.01201	2.43
204	1.201	417.14	.000	-1.39	.0585	.01709	.0092	.0000	.0001	-.0006	.0589	.01260	4.51
205	1.200	416.97	.000	1.46	.1667	.01912	-.0077	-.0001	.0001	-.0007	.1661	.02031	4.28

POINT	ALPHA	CL50	LOC	CDB	COI	R/FT	TEMP
198	1.46	.0283	.00129	.00210	.0010	2.01	119.9
199	-5.73	.0128	.00110	.00110	.0010	2.01	119.0
200	-4.22	.0025	.00110	.00210	.0010	2.01	119.9
201	-3.49	.0005	.00110	.00210	.0010	2.01	118.9
202	-2.78	.0000	.00110	.00210	.0010	2.01	118.9
203	-2.11	.0039	.00110	.00210	.0010	2.01	118.9
204	-1.39	.0032	.00110	.00210	.0010	2.01	118.9
205	1.46	.0283	.00129	.00210	.0010	2.01	118.9

ORIGINAL PAGE IS  
OF POOR QUALITY

ORIGINAL PAGE IS  
OF POOR QUALITY

NASA LANGLEY RESEARCH CENTER d-FT TP1

SCAT 15-F

TEST 404		RUN 24		MACH 1.000		CONFIG. 1							
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CYDIE	CL	CU	L/D
206	1.007	380.39	.000	1.39	.1676	.01750	-.0033	.0002	.0001	-.0000	.1671	.01955	8.55
207	.999	380.49	-.000	-5.70	-.1156	.03971	.0300	.0006	.0002	.0001	-.1141	-.01935	-5.99
208	1.000	380.94	-.000	-4.25	-.0570	.01197	.0237	.0005	.0003	-.0004	-.0560	.01400	-3.98
209	1.001	381.27	-.000	-3.54	-.0204	.01305	.0292	.0005	.0002	-.0005	-.0275	.01260	-2.17
210	1.001	381.24	.000	-2.04	-.0007	.01419	.0168	.0004	.0001	-.0004	.0300	.01211	.00
211	1.001	381.14	.000	-2.13	.0269	.01512	.0137	.0003	.0001	-.0007	.0275	.01201	2.29
212	1.000	380.84	.000	-1.49	.0494	.01565	.0112	.0002	.0001	-.0006	.0498	.01220	4.06
213	.999	380.69	.000	1.36	.1632	.01741	-.0028	.0002	.0001	-.0007	.1627	.01919	8.48

POINT	ALPHA	CLS0	CLC	COB	COI	R/FT	TEMP
206	1.39	.0279	.00005	.00110	.0010	2.01	118.7
207	-5.70	.0130	-.00004	.00110	.0010	2.00	118.9
208	-4.25	.0031	-.00004	.00110	.0010	2.01	118.9
209	-3.54	.0000	-.00005	.00110	.0010	2.01	118.9
210	-2.04	.0000	-.00005	.00110	.0010	2.01	118.9
211	-2.13	.0008	-.00004	.00110	.0010	2.01	118.9
212	-1.49	.0025	-.00004	.00110	.0010	2.01	118.7
213	1.36	.0265	.00003	.00110	.0010	2.01	118.7

TEST 401		RUN 25		MACH .975		CONFIG. 1							
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CYDIE	CL	CU	L/D
214	.975	375.15	.000	1.35	.1654	.01630	-.0031	.0000	.0001	-.0000	.1657	.01850	8.92
215	.974	375.03	-.000	-5.69	-.1194	.00840	.0305	.0005	.0001	.0001	-.1179	-.01855	-6.36
216	.975	375.27	-.000	-4.27	-.0590	.01072	.0238	.0004	.0002	-.0004	-.0580	.01330	-4.34
217	.976	375.67	-.000	-3.57	-.0300	.01180	.0200	.0003	.0001	-.0003	-.0292	.01194	-2.44
218	.975	375.33	.000	-2.86	-.0013	.01290	.0167	.0002	.0001	-.0004	.0004	.01125	-.00
219	.975	375.14	.000	-2.16	.0259	.01384	.0135	.0002	.0000	-.0004	.0264	.01115	2.37
220	.976	375.62	.000	-1.47	.0511	.01458	.0109	.0001	.0000	-.0004	.0514	.01157	4.44
221	.975	375.46	.001	1.30	.1658	.01632	-.0033	.0001	.0001	-.0008	.1654	.01854	8.92

POINT	ALPHA	CLS0	CLC	COB	COI	R/FT	TEMP
214	1.35	.0272	.00002	.00070	.0010	2.01	118.5
215	-5.69	.0139	.00005	.00070	.0010	2.00	118.9
216	-4.27	.0034	.00004	.00070	.0010	2.00	119.0
217	-3.57	.0009	.00003	.00070	.0010	2.01	119.0
218	-2.86	.0000	.00004	.00070	.0010	2.00	119.0
219	-2.16	.0007	.00003	.00070	.0010	2.00	119.0
220	-1.47	.0026	.00005	.00070	.0010	2.01	119.9
221	1.36	.0273	.00002	.00070	.0010	2.01	118.9

NASA LANGLEY RESEARCH CENTER d-FT TPT

SCAT 15-F

TEST 401 RUN 26 MACH .950 CONFIG. 1

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CD	L/D
222	.950	369.56	.000	1.34	.1665	.01599	-.0008	.0000	.0001	-.0007	.1661	-.01864	4.87
223	.951	370.02	-.000	-5.70	-.1191	.00825	.0291	.0004	.0001	.0001	-.1177	.01834	-6.42
224	.951	369.92	-.000	-4.31	-.0626	.01045	.0235	.0004	.0002	-.0004	-.0616	.01343	-4.59
225	.951	370.17	.000	-3.58	-.0312	.01162	.0199	.0003	.0001	-.0003	-.0304	.01165	-2.57
226	.951	369.94	.000	-2.88	-.0034	.01270	.0169	.0003	.0001	-.0006	-.0027	.01116	-2.24
227	.951	370.01	.000	-2.17	.0231	.01365	.0143	.0002	.0000	-.0003	.0236	.01166	2.13
228	.952	370.39	.000	-1.48	.0476	.01433	.0118	.0002	.0001	-.0006	.0479	.01139	4.21
229	.950	369.66	.000	1.32	.1500	.01595	-.0004	.0000	.0001	-.0008	.1576	-.01787	8.82

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
222	1.34	.0256	.00000	.00070	.0010	2.01	118.9
223	-5.70	.0138	.00000	.00070	.0010	2.01	118.9
224	-4.31	.0038	.00000	.00070	.0010	2.01	118.9
225	-3.58	.0009	.00000	.00070	.0010	2.01	118.9
226	-2.88	.0000	.00000	.00070	.0010	2.01	118.9
227	-2.17	.0006	.00000	.00070	.0010	2.01	118.9
228	-1.48	.0023	.00000	.00070	.0010	2.01	118.9
229	1.32	.0248	.00000	.00070	.0010	2.01	118.7

TEST 401 RUN 27 MACH .900 CONFIG. 1

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CD	L/D
230	.900	357.38	.000	1.25	.1516	.01570	.0019	.0001	.0001	-.0007	.1513	-.01720	5.79
231	.901	357.66	-.000	-5.74	-.1173	.0027	.0267	.0003	.0001	.0001	-.1159	.01816	-6.38
232	.901	357.96	-.000	-4.33	-.0616	.0052	.0221	.0004	.0002	-.0003	-.0600	.01329	-4.52
233	.900	357.30	.000	-3.60	-.0318	.0016	.0192	.0003	.0002	-.0005	-.0310	.01177	-2.64
234	.901	357.72	.000	-2.90	-.0033	.01273	.0154	.0003	.0001	-.0005	-.0027	.01168	-2.24
235	.901	357.73	.000	-2.21	.0196	.01355	.0144	.0002	.0001	-.0007	.0201	.01698	1.83
236	.901	357.78	.000	-1.55	.0439	.01423	.0124	.0002	.0000	-.0006	.0442	.01124	3.93
237	.900	357.18	.000	1.24	.1506	.01568	.0019	.0001	.0001	-.0008	.1502	-.01713	4.77

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
230	1.25	.0229	.00000	.00080	.0010	2.01	118.7
231	-5.74	.0134	.00000	.00080	.0010	2.01	118.9
232	-4.33	.0036	.00000	.00080	.0010	2.01	118.9
233	-3.60	.0010	.00000	.00080	.0010	2.01	118.9
234	-2.90	.0000	.00000	.00080	.0010	2.01	118.7
235	-2.21	.0004	.00000	.00080	.0010	2.01	118.7
236	-1.55	.0020	.00000	.00080	.0010	2.01	118.7
237	1.24	.0226	.00000	.00080	.0010	2.01	118.9

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401													RUN 28		MACH .800		CONFIG. 1	
POINT	WIND	Q	BETA	ALPHA	CM	CA	CM	CHULL	CYAW	CSIDE	CL	CD	L/D					
238	.800	329.94	.000	1.03	.1383	.01542	.0046	.0001	.0001	-.0006	.1383	.01622	4.51					
239	.801	329.15	.000	-5.74	-.1145	.00844	.0242	.0002	.0001	.0001	-.1131	.01405	-7.27					
240	.800	329.67	.000	-4.33	-.0604	.01361	.0207	.0003	.0002	-.0004	-.0594	.01333	-4.45					
241	.801	329.14	.000	-3.62	-.0309	.01174	.0193	.0003	.0001	-.0003	-.0301	.01187	-2.54					
242	.800	329.67	.000	-2.93	-.0066	.01267	.0162	.0002	.0001	-.0007	-.0062	.01120	-1.53					
243	.800	329.94	.000	-2.33	.0131	.01334	.0148	.0002	.0001	-.0006	.0137	.01099	1.24					
244	.799	329.39	.000	-1.59	.0412	.01422	.0128	.0002	.0001	-.0006	.0415	.01128	3.64					
245	.799	329.39	.000	1.00	.1364	.01537	.0047	.0001	.0001	-.0008	.1361	.01678	4.45					

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
238	1.03	.0190	.00000	.00000	.0010	2.00	118.7
239	-5.74	.0128	.00000	.00000	.0010	2.00	118.7
240	-4.33	.0035	.00000	.00000	.0010	2.00	118.7
241	-3.62	.0009	.00000	.00000	.0010	2.00	118.7
242	-2.93	.0000	.00000	.00000	.0010	2.00	118.7
243	-2.33	.0002	.00000	.00000	.0010	2.00	118.7
244	-1.59	.0017	.00000	.00000	.0010	2.00	118.7
245	1.00	.0185	.00000	.00000	.0010	2.00	118.7

TEST 401													RUN 29		MACH .600		CONFIG. 1	
POINT	WIND	Q	BETA	ALPHA	CM	CA	CM	CHULL	CYAW	CSIDE	CL	CD	L/D					
246	.600	263.44	.000	.72	-.1184	.01525	.0075	.0000	.0001	-.0005	.1182	.01494	7.41					
247	.600	263.54	.000	-5.61	-.1007	.00896	.0216	.0001	.0001	-.0001	-.1049	.01751	-4.44					
248	.600	264.03	.000	-4.33	-.0594	.01083	.0193	.0002	.0002	-.0004	-.0594	.01348	-4.33					
249	.601	264.11	.000	-3.67	-.0324	.01180	.0175	.0001	.0001	-.0004	-.0320	.01208	-2.65					
250	.600	263.62	.000	-3.02	-.0089	.01278	.0150	.0002	.0001	-.0006	-.0082	.01143	-1.70					
251	.600	263.37	.000	-2.40	.0112	.01350	.0145	.0002	.0001	-.0006	.0118	.01121	1.25					
252	.599	263.13	.000	-1.78	.0309	.01412	.0135	.0001	.0001	-.0007	.0314	.01135	2.77					
253	.599	262.80	.000	.71	.1158	.01518	.0076	.0001	.0000	-.0008	.1156	.01441	7.41					

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
246	.72	.0140	.00000	.00000	.0010	2.00	118.4
247	-5.61	.0110	.00000	.00000	.0010	2.00	118.4
248	-4.33	.0034	.00000	.00000	.0010	2.00	118.5
249	-3.67	.0010	.00000	.00000	.0010	2.00	118.6
250	-3.02	.0001	.00000	.00000	.0010	2.00	118.7
251	-2.40	.0001	.00000	.00000	.0010	2.00	119.7
252	-1.78	.0010	.00000	.00000	.0010	2.00	119.9
253	.71	.0134	.00000	.00000	.0010	2.00	119.0

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TEST 401														MUN 30	MACH .900	CONFIG. 2
POINT	QINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D			
256	.901	357.78	-.04	-5.09	-.0769	.01029	.0087	.0065	.0001	.0004	-.0755	.01606	-4.70			
257	.902	358.39	-.00	-4.25	-.0207	.01265	.0045	.0066	.0001	-.0000	-.0147	.01235	-1.59			
258	.901	358.13	-.00	-3.53	.0087	.01381	.0022	.0004	.0001	-.0000	.0095	.01145	0.83			
259	.901	357.89	-.00	-2.88	.0304	.01459	.0005	.0004	-.0000	.0002	.0011	.01125	2.76			
260	.901	357.95	.00	-2.17	.0342	.01543	-.0012	.0002	-.0001	.0000	.0047	.01157	4.73			
261	.901	357.93	.00	-1.45	.0320	.01626	-.0035	.0003	.0000	-.0002	.0023	.01238	6.65			
262	.901	357.91	.00	-.12	.1298	.01703	-.0084	.0002	.0000	-.0003	.1299	.01495	8.68			
263	.901	357.89	.00	1.30	.1866	.01768	-.0140	.0000	.0001	-.0006	.1961	.02012	9.25			
264	.901	357.76	.00	2.03	.2168	.01817	-.0169	.0000	-.0000	-.0005	.2161	.02403	8.99			
265	.901	357.90	.04	2.85	.2567	.01938	-.0201	.0002	.0000	-.0008	.2554	.03034	8.42			
266	.901	357.85	.04	3.60	.2893	.02033	-.0221	.0004	.0001	-.0010	.2864	.03657	7.83			
267	.901	357.93	.04	4.44	.3307	.02193	-.0237	.0004	-.0000	-.0011	.3281	.04547	7.18			
268	.901	357.90	.04	5.34	.3741	.02388	-.0240	.0005	-.0002	-.0011	.3703	.05692	6.52			
269	.901	357.69	.04	6.17	.4091	.02557	-.0232	.0004	-.0000	-.0012	.4041	.06781	5.98			
270	.899	356.90	.04	7.11	.4536	.02775	-.0227	.0003	-.0000	-.0010	.4465	.08147	5.46			
271	.899	357.13	.00	1.35	.1915	.01778	-.0163	.0001	.0001	-.0005	.1910	.02046	9.32			

POINT	ALPHA	CLS0	CDC	CDB	CDI	R/FT	TEMP
256	-3.09	.0057	.00032	.00080	.0010	2.01	119.0
257	-4.25	.0004	.00032	.00080	.0010	2.01	119.0
258	-3.53	.0001	.00033	.00080	.0010	2.01	119.0
259	-2.88	.0010	.00034	.00080	.0010	2.01	119.1
260	-2.17	.0030	.00034	.00080	.0010	2.01	119.1
261	-1.45	.0068	.00035	.00080	.0010	2.01	119.1
262	-.12	.0169	.00036	.00080	.0010	2.01	119.0
263	1.30	.0340	.00037	.00080	.0010	2.01	118.9
264	2.03	.0467	.00038	.00080	.0010	2.01	118.9
265	2.85	.0653	.00039	.00080	.0010	2.01	119.0
266	3.60	.0821	.00040	.00080	.0010	2.01	119.0
267	4.44	.1076	.00040	.00080	.0010	2.01	119.0
268	5.34	.1371	.00043	.00080	.0010	2.01	118.9
269	6.17	.1632	.00047	.00080	.0010	2.01	118.9
270	7.11	.1995	.00046	.00080	.0010	2.00	119.1
271	1.35	.0365	.00038	.00080	.0010	2.01	118.9

TEST 401														MUN 31	MACH 1.200	CONFIG. 2
POINT	QINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D			
272	1.201	418.26	-.00	-5.78	-.0943	.01167	.0075	.0006	.0003	-.0003	-.0927	.01802	-5.14			
273	1.201	418.70	-.00	-4.29	-.0344	.01436	.0103	.0006	.0002	-.0003	-.0333	.01379	-2.41			
274	1.200	417.79	.00	-3.44	-.0001	.01586	.0058	.0004	.0002	-.0007	.0009	.01274	0.7			
275	1.200	417.55	.00	-2.79	.0269	.01703	.0022	.0003	.0001	-.0007	.0027	.01266	2.20			
276	1.201	417.61	.00	-2.06	.0536	.01905	-.0012	.0003	.0001	-.0005	.0042	.01301	4.17			
277	1.201	417.61	.00	-1.44	.0735	.01863	-.0037	.0003	.0001	-.0006	.0039	.01367	5.41			
278	1.200	417.67	.00	-.01	.1299	.01978	-.0012	.0002	.0001	-.0006	.1299	.01647	7.80			
279	1.201	417.64	.04	1.47	.1910	.02087	-.0019	.0001	.0000	-.0006	.1904	.02266	9.40			
280	1.201	417.79	.04	2.20	.2238	.02176	-.0241	.0002	-.0001	-.0004	.2224	.02725	8.18			
281	1.201	417.66	.04	3.06	.2628	.02319	-.0236	.0001	.0001	-.0005	.2612	.03409	7.64			
282	1.201	417.69	.04	3.76	.2926	.02430	-.0316	.0001	.0000	-.0009	.2903	.04046	7.19			
283	1.201	417.59	.04	4.75	.3412	.02643	-.0355	.0001	.0001	-.0008	.3378	.05152	6.50			
284	1.202	418.03	.04	5.58	.3778	.02820	-.0373	.0000	.0001	-.0008	.3732	.06169	6.05			
285	1.201	417.92	.04	6.45	.4148	.03006	-.0389	-.0000	.0000	-.0012	.4098	.07338	5.57			
286	1.198	417.18	.04	7.46	.4641	.03281	-.0403	-.0000	.0000	-.0012	.4559	.08967	5.04			
287	1.200	417.43	.04	7.96	.4878	.03427	-.0412	-.0001	.0001	-.0015	.4794	.09839	4.86			
288	1.202	418.11	.04	1.48	.1925	.02090	-.0198	.0001	.0000	-.0004	.1919	.02278	8.42			

POINT	ALPHA	CLS0	CDC	CDB	CDI	R/FT	TEMP
272	-5.78	.0006	.00119	.00210	.0010	2.01	119.1
273	-4.29	.0011	.00120	.00210	.0010	2.01	119.1
274	-3.44	.0000	.00119	.00210	.0010	2.01	119.1
275	-2.79	.0008	.00115	.00210	.0010	2.01	119.1
276	-2.06	.0029	.00114	.00210	.0010	2.01	119.0
277	-1.44	.0055	.00115	.00210	.0010	2.01	119.0
278	-.01	.0169	.00119	.00210	.0010	2.01	119.0
279	1.47	.0362	.00125	.00210	.0010	2.01	118.9
280	2.20	.0497	.00130	.00210	.0010	2.01	118.9
281	3.06	.0682	.00134	.00210	.0010	2.01	118.9
282	3.76	.0843	.00133	.00210	.0010	2.01	118.7
283	4.75	.1141	.00136	.00210	.0010	2.01	118.7
284	5.58	.1393	.00144	.00210	.0010	2.01	118.9
285	6.45	.1671	.00146	.00210	.0010	2.01	118.9
286	7.46	.2078	.00156	.00210	.0010	2.01	118.7
287	7.96	.2289	.00156	.00210	.0010	2.01	118.9
288	1.48	.0365	.00129	.00210	.0010	2.01	118.9

TEST 401 RUN 32 MACH .950 CONFIG. 2

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CD	L/D
289	.951	370.16	-.00	-5.67	-.3755	.31049	.0007	.0006	.0031	.0201	-.0701	.01621	-4.57
290	.951	370.24	-.00	-4.25	-.3162	.01296	.0036	.0006	.0001	-.0001	-.0152	.01242	-1.22
291	.951	369.95	.00	-3.52	.0118	.01412	.0011	.0004	.0000	-.0001	.0127	.01166	1.09
292	.951	369.90	.00	-2.81	.0371	.01515	-.0013	.0003	.0000	-.0003	.0374	.01162	3.25
293	.951	370.33	.00	-2.14	.0602	.01589	-.0033	.0003	.0000	-.0004	.0607	.01194	5.09
294	.951	370.45	.00	-1.44	.0853	.01659	-.0056	.0004	.0000	-.0003	.0857	.01274	6.73
295	.951	370.29	.00	-.01	.1415	.01755	-.0122	.0003	.0001	-.0005	.1415	.01582	8.94
296	.951	370.08	.00	1.36	.1980	.01832	-.0187	-.0001	.0001	-.0006	.1975	.02131	9.27
297	.951	369.95	.01	2.15	.2330	.01916	-.0228	.0001	-.0001	-.0008	.2329	.02621	9.89
298	.952	370.48	.01	3.00	.2757	.02051	-.0267	.0001	.0001	-.0010	.2743	.03322	8.26
299	.951	370.22	.01	3.75	.3095	.02168	-.0288	.0004	.0000	-.0011	.3075	.04019	7.65
300	.951	370.34	.01	4.56	.3473	.02319	-.0303	.0004	-.0001	-.0011	.3443	.04900	7.02
301	.952	370.51	.01	5.44	.3867	.02503	-.0305	.0004	-.0001	-.0013	.3826	.05987	6.39
302	.951	370.16	.01	6.41	.4320	.02738	-.0300	.0003	-.0000	-.0013	.4263	.07376	5.78
303	.951	370.17	.01	7.34	.4789	.02991	-.0297	.0002	-.0001	-.0012	.4711	.08914	5.28
304	.953	370.87	.01	7.77	.4976	.03095	-.0302	.0002	-.0001	-.0010	.4884	.09621	5.04
305	.951	370.38	.01	1.39	.2014	.01837	-.0191	.0001	.0001	-.0007	.2009	.02156	9.32

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
289	-5.67	.0055	.00023	.00070	.0010	2.01	118.6
290	-4.25	.0002	.00023	.00070	.0010	2.01	118.6
291	-3.52	.0002	.00023	.00070	.0010	2.01	118.6
292	-2.81	.0014	.00024	.00070	.0010	2.01	118.6
293	-2.14	.0037	.00024	.00070	.0010	2.01	118.6
294	-1.44	.0073	.00023	.00073	.0010	2.01	118.7
295	-.01	.0230	.00020	.00070	.0010	2.01	118.6
296	1.36	.0390	.00029	.00070	.0010	2.01	118.7
297	2.15	.0542	.00031	.00070	.0010	2.01	118.7
298	3.00	.0752	.00033	.00073	.0010	2.01	118.7
299	3.75	.0945	.00037	.00070	.0010	2.01	118.7
300	4.56	.1190	.00042	.00073	.0010	2.01	118.9
301	5.44	.1484	.00049	.00073	.0010	2.01	118.9
302	6.41	.1817	.00059	.00070	.0010	2.01	118.6
303	7.34	.2222	.00072	.00073	.0010	2.01	118.7
304	7.77	.2689	.00089	.00073	.0010	2.01	118.7
305	1.39	.0034	.00029	.00070	.0010	2.01	118.7

TEST 401 RUN 33 MACH .950 CONFIG. 2

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CD	L/D
306	.599	263.11	-.00	-5.53	-.3699	.01379	.0077	.0004	.0001	.0001	-.0646	.01568	-4.37
307	.599	263.11	.00	-4.19	-.0187	.01295	.0051	.0004	.0001	-.0003	-.0177	.01246	-1.42
308	.598	262.54	.00	-3.54	.0038	.01385	.0000	.0002	.0001	-.0006	.0046	.01179	-.39
309	.599	263.11	.00	-2.93	.0258	.01471	.0030	.0002	.0001	-.0006	.0265	.01157	2.22
310	.599	262.95	.00	-2.32	.0456	.01538	.0020	.0002	.0000	-.0005	.0461	.01172	3.04
311	.599	262.87	.00	-1.67	.0677	.01603	.0004	.0001	.0000	-.0007	.0682	.01225	5.57
312	.599	262.71	.00	-.47	.1042	.01652	-.0015	.0001	.0000	-.0005	.1043	.01384	7.54
313	.599	263.03	.00	.79	.1509	.01690	-.0048	.0002	.0001	-.0004	.1507	.01717	8.78
314	.599	262.79	.00	1.45	.1753	.01709	-.0067	.0000	-.0000	-.0007	.1748	.01975	8.86
315	.599	262.87	.01	2.10	.2009	.01747	-.0083	-.0001	-.0000	-.0010	.2003	.02304	8.69
316	.599	262.82	.01	2.80	.2335	.01820	-.0100	.0001	-.0002	-.0013	.2323	.02778	8.36
317	.599	262.70	.01	3.50	.2650	.01992	-.0111	.0004	-.0001	-.0019	.2634	.03327	7.92
318	.590	263.53	.01	4.11	.2852	.01938	-.0116	.0002	-.0001	-.0018	.2830	.03745	7.44
319	.598	262.30	.01	4.89	.3243	.02071	-.0118	.0005	-.0002	-.0019	.3216	.04449	6.91
320	.599	263.03	.02	5.60	.3530	.02180	-.0114	.0003	-.0003	-.0018	.3492	.05433	6.43
321	.598	262.21	.01	6.35	.3931	.02364	-.0105	.0004	-.0000	-.0019	.3881	.06516	5.96
322	.599	263.20	.01	7.16	.4299	.02515	-.0099	.0005	-.0001	-.0012	.4234	.07671	5.52
323	.598	262.46	.01	7.92	.4660	.02666	-.0093	.0004	.0001	-.0018	.4579	.08879	5.16
324	.599	263.20	.01	8.64	.5032	.02839	-.0083	.0004	-.0001	-.0015	.4932	.10190	4.84
325	.599	263.11	.00	.79	.1521	.01698	-.0048	.0002	-.0000	-.0005	.1518	.01726	8.78

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
306	-5.53	.0047	.00039	.00080	.0010	2.00	118.7
307	-4.19	.0003	.00039	.00080	.0010	2.00	118.7
308	-3.50	.0000	.00041	.00080	.0010	2.00	118.7
309	-2.93	.0007	.00040	.00080	.0010	2.00	118.7
310	-2.32	.0021	.00041	.00080	.0010	2.00	118.7
311	-1.67	.0046	.00042	.00080	.0010	2.00	118.7
312	-.47	.0109	.00044	.00080	.0010	2.00	118.7
313	.79	.0227	.00046	.00080	.0010	2.00	118.6
314	1.45	.0306	.00046	.00080	.0010	2.00	118.6
315	2.10	.0401	.00047	.00080	.0010	2.00	118.6
316	2.80	.0540	.00050	.00080	.0010	2.00	118.6
317	3.50	.0694	.00051	.00080	.0010	2.00	118.6
318	4.11	.0801	.00052	.00080	.0010	2.00	118.6
319	4.89	.1033	.00056	.00080	.0010	2.00	118.5
320	5.60	.1220	.00056	.00080	.0010	2.00	118.7
321	6.35	.1506	.00058	.00080	.0010	2.00	118.7
322	7.16	.1793	.00059	.00080	.0010	2.00	118.7
323	7.92	.2097	.00062	.00080	.0010	2.00	118.7
324	8.64	.2433	.00062	.00080	.0010	2.00	118.7
325	.79	.0231	.00049	.00080	.0010	2.00	118.7

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TEST 4d1 RUN 34 MACH 1.200 CONFIG. 3

POINT	WINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTDE	CL	CD	L/D
328	1.201	418.31	-.001	-5.06	-.0967	.01162	.0173	.0007	.0002	.0002	-.0959	.01832	-5.19
329	1.202	418.46	-.001	-4.25	-.3301	.01466	.0094	.0006	.0002	-.0001	-.0209	.01375	-2.16
330	1.202	418.43	-.001	-3.66	-.3088	.01549	.0066	.0005	.0002	-.0004	-.0078	.01293	-1.61
331	1.201	417.97	.000	-2.87	.0223	.01684	.0025	.0004	.0001	-.0002	.0231	.01260	1.83
332	1.202	418.03	.000	-2.24	.0453	.01767	-.0005	.0003	.0001	-.0006	.0460	.01278	3.59
333	1.201	417.80	.000	-1.54	.0701	.01846	-.0036	.0003	.0001	-.0005	.0706	.01347	5.24
334	1.201	417.09	.000	-.16	.1207	.01951	-.0102	.0002	.0001	-.0006	.1207	.01607	7.51
335	1.200	417.45	.000	1.32	.1809	.02051	-.0183	.0001	.0000	-.0006	.1803	.02157	8.36
336	0.200	417.42	.001	2.18	.2212	.02167	-.0237	.0001	-.0002	-.0004	.2202	.02697	8.16
337	1.201	417.50	.001	2.95	.2577	.02302	-.0280	.0001	-.0000	-.0008	.2562	.03315	7.73
338	1.200	417.42	.001	3.83	.2971	.02453	-.0319	.0002	-.0000	-.0007	.2948	.04120	7.16
339	1.200	417.43	.001	4.61	.3325	.02602	-.0345	.0001	-.0000	-.0006	.3293	.04956	6.65
340	1.200	417.36	.000	5.46	.3712	.02788	-.0365	.0001	.0001	-.0006	.3668	.05998	6.12
341	1.200	417.47	.001	6.48	.4183	.03033	-.0383	.0000	-.0000	-.0009	.4122	.07426	5.55
342	1.200	417.41	.001	7.38	.4558	.03238	-.0393	-.0000	-.0002	-.0009	.4479	.08758	5.11
343	1.199	417.29	.001	8.17	.4904	.03446	-.0405	-.0001	.0000	-.0012	.4807	.09988	4.81
344	1.201	417.59	.001	1.33	.1816	.02650	-.0184	.0002	.0000	-.0006	.1810	.02160	8.38

POINT	ALPHA	CLSO	LOC	CDB	CDI	R/FT	TEMP
328	-5.06	.0080	.00027	.00210	.0010	2.01	120.1
329	-4.25	.0008	.00020	.00210	.0010	2.01	119.7
330	-3.66	.0001	.00020	.00210	.0010	2.01	119.7
331	-2.87	.0005	.00022	.00210	.0010	2.01	119.5
332	-2.24	.0021	.00027	.00210	.0010	2.01	119.2
333	-1.54	.0050	.00027	.00210	.0010	2.01	119.1
334	-.16	.0146	.00027	.00210	.0010	2.01	119.1
335	1.32	.0325	.00020	.00210	.0010	2.01	119.0
336	2.18	.0685	.00020	.00210	.0010	2.01	119.0
337	2.95	.0956	.00020	.00210	.0010	2.01	119.0
338	3.83	.0959	.00022	.00210	.0010	2.01	119.0
339	4.61	.1085	.00020	.00210	.0010	2.01	119.0
340	5.46	.1346	.00020	.00210	.0010	2.01	119.0
341	6.48	.1699	.00020	.00210	.0010	2.01	118.9
342	7.38	.2006	.00020	.00210	.0010	2.01	118.7
343	8.07	.2311	.00020	.00210	.0010	2.01	118.7
344	1.33	.0328	.00027	.00210	.0010	2.01	118.6

TEST 4d1 RUN 35 MACH .950 CONFIG. 3

POINT	WINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTDE	CL	CD	L/D
345	.949	369.18	-.000	-5.48	-.0932	.02960	.0115	.0005	-.0000	.0005	-.0917	.01739	-5.27
346	.951	369.82	-.000	-4.34	-.0282	.01239	.0061	.0006	.0001	-.0001	-.0272	.01279	-2.12
347	.951	369.97	-.000	-3.61	-.0004	.01351	.0036	.0004	-.0000	.0000	.0004	.01181	.04
348	.951	369.75	.000	-2.92	.0246	.01444	.0015	.0004	-.0000	-.0002	.0253	.01151	2.20
349	.950	369.30	.000	-2.28	.0486	.01538	-.0006	.0004	-.0000	-.0002	.0491	.01174	4.19
350	.949	369.13	.000	-1.54	.0759	.01519	-.0000	.0003	-.0000	-.0003	.0763	.01244	6.14
351	.951	369.67	.000	-.11	.1307	.01709	-.0091	.0003	.0000	-.0004	.1307	.01514	8.63
352	.948	368.86	.001	1.29	.1883	.01773	-.0152	.0002	.0001	-.0009	.1878	.02027	9.27
353	.952	370.17	.001	2.03	.2268	.01852	-.0192	.0001	-.0000	-.0006	.2270	.02462	3.94
354	.950	369.49	.001	2.90	.2575	.01960	-.0223	.0002	.0001	-.0010	.2562	.03044	8.42
355	.951	369.71	.001	3.61	.2954	.02085	-.0253	.0004	.0001	-.0012	.2935	.03773	7.78
356	.950	369.41	.001	4.37	.3285	.02209	-.0286	.0005	-.0000	-.0011	.3259	.04538	7.18
357	.949	369.15	.001	5.35	.3779	.02442	-.0321	.0005	-.0001	-.0011	.3739	.05794	6.45
358	.947	368.54	.001	6.27	.4175	.02643	-.0327	-.0000	-.0000	-.0012	.4121	.07014	5.99
359	.949	369.34	.001	7.14	.4586	.02850	-.0357	.0003	-.0001	-.0011	.4515	.08364	5.40
360	.950	369.35	.001	1.31	.1888	.01779	-.0153	.0002	.0001	-.0009	.1884	.02036	4.24

POINT	ALPHA	CLSO	LOC	CDB	CDI	R/FT	TEMP
345	-5.48	.0084	.00027	.00070	.0010	2.01	118.6
346	-4.34	.0007	.00020	.00070	.0010	2.01	118.5
347	-3.61	.0000	.00025	.00070	.0010	2.01	118.6
348	-2.92	.0006	.00020	.00070	.0010	2.01	118.6
349	-2.28	.0024	.00020	.00070	.0010	2.01	118.7
350	-1.54	.0058	.00020	.00070	.0010	2.00	118.9
351	-.11	.0171	.00020	.00070	.0010	2.00	118.9
352	1.29	.0353	.00020	.00070	.0010	2.00	118.6
353	2.03	.0684	.00020	.00070	.0010	2.01	118.7
354	2.80	.0956	.00020	.00070	.0010	2.01	118.9
355	3.61	.0861	.00020	.00070	.0010	2.01	118.9
356	4.37	.1062	.00020	.00070	.0010	2.00	118.9
357	5.35	.1398	.00020	.00070	.0010	2.00	118.9
358	6.27	.1699	.00020	.00070	.0010	2.00	118.9
359	7.14	.2039	.00020	.00070	.0010	2.00	118.9
360	1.31	.0355	.00020	.00070	.0010	2.00	118.9

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 464		RUN 36		MACH .900		CONFIG. 3							
POINT	MINE	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D	
361	.999	356.57	-5.78	-0.052	.01000	.0105	.0006	.0000	.0001	-.0034	.01673	-5.21	
362	.901	357.24	-4.37	-.0310	.01220	.00066	.0006	.0001	-.0001	-.0300	.01273	-2.36	
363	.900	356.54	-3.58	.0005	.01348	.0041	.0004	.0000	-.0002	.0013	.01282	-.12	
364	.900	356.66	-2.93	.0220	.01433	.0025	.0003	.0000	-.0002	.0227	.01195	1.89	
365	.899	356.06	-2.19	.0512	.01544	.0004	.0003	.0000	-.0005	.0514	.01187	5.44	
366	.900	356.84	-1.55	.0709	.01590	-.0012	.0003	.0000	-.0005	.0713	.01104	5.96	
367	.900	356.61	-.22	.1197	.01670	-.0059	.0003	.0000	-.0004	.1197	.01044	3.29	
368	.899	356.31	1.19	.1743	.01728	-.0111	.0002	.0000	-.0007	.1739	.01007	1.12	
369	.899	356.29	2.02	.2128	.01799	-.0167	.0002	-.0000	-.0007	.2121	.00987	1.96	
370	.899	356.43	2.77	.2475	.01896	-.0174	.0002	.0000	-.0010	.2463	.00940	1.44	
371	.899	356.27	3.52	.2838	.02003	-.0194	.0004	.0001	-.0013	.2791	.00864	7.88	
372	.899	356.27	4.34	.3200	.02142	-.0209	.0005	.0000	-.0014	.3174	.00804	7.25	
373	.900	355.89	5.14	.3565	.02296	-.0212	.0006	-.0001	-.0012	.3539	.00732	3.88	
374	.901	357.25	6.16	.4029	.02529	-.0238	.0004	-.0000	-.0013	.3979	.00659	5.99	
375	.899	356.32	6.99	.4407	.02710	-.0231	.0003	-.0000	-.0010	.4341	.00586	5.92	
376	.902	357.81	1.23	.1787	.01737	-.0116	.0001	.0001	-.0009	.1783	.01033	6.19	

POINT	ALPHA	CLSQ	CLC	CLB	CLD	W/FT	TEMP
361	-5.78	.0170	.00036	.00080	.0010	2.01	118.2
362	-4.37	.0009	.00036	.00080	.0010	2.01	118.5
363	-3.58	.0000	.00033	.00080	.0010	2.00	118.6
364	-2.93	.0005	.00035	.00080	.0010	2.00	118.7
365	-2.19	.0027	.00035	.00080	.0010	2.00	118.7
366	-1.55	.0051	.00035	.00080	.0010	2.00	118.9
367	-.22	.0143	.00034	.00080	.0010	2.00	118.9
368	1.19	.0302	.00038	.00080	.0010	2.00	118.9
369	2.02	.0450	.00039	.00080	.0010	2.00	118.9
370	2.77	.0607	.00043	.00080	.0010	2.00	118.7
371	3.52	.0779	.00046	.00080	.0010	2.00	118.7
372	4.34	.1008	.00051	.00080	.0010	2.00	118.7
373	5.14	.1246	.00053	.00080	.0010	2.00	118.7
374	6.16	.1583	.00055	.00080	.0010	2.00	118.9
375	6.99	.1885	.00059	.00080	.0010	2.00	118.9
376	1.23	.0318	.00037	.00080	.0010	2.01	118.7

TEST 464 RUN 37 MACH .900 CONFIG. 3

TEST 464		RUN 37		MACH .900		CONFIG. 3							
POINT	MINE	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D	
377	.999	262.12	-5.61	-.0752	.01336	.0090	.0002	.0000	.0003	-.0774	.01825	-4.79	
378	.900	263.50	-4.31	-.0256	.01257	.0056	.0004	.0001	-.0003	-.0728	.01258	-2.14	
379	.900	263.46	-3.65	-.0071	.01333	.0054	.0002	.0001	-.0004	-.0063	.01144	-1.52	
380	.901	264.28	-3.04	.0161	.01435	.0044	.0002	.0000	-.0005	.0159	.01188	1.44	
381	.900	263.95	-2.42	.0358	.01497	.0033	.0002	.0000	-.0003	.0364	.01185	2.13	
382	.900	263.95	-1.77	.0577	.01573	.0022	.0002	.0000	-.0007	.0581	.01214	4.79	
383	.900	264.03	-1.12	.0801	.01618	.0009	.0001	.0001	-.0007	.0804	.01281	1.27	
384	.901	264.19	.73	.1114	.01671	-.0034	.0003	.0001	-.0007	.1117	.01271	5.64	
385	.901	264.11	1.34	.1466	.01684	-.0051	.0001	.0001	-.0010	.1461	.01194	4.77	
386	.900	264.03	2.01	.1907	.01717	-.0068	.0000	-.0000	-.0011	.1900	.01206	4.81	
387	.900	263.79	2.71	.2214	.01786	-.0084	.0002	-.0001	-.0013	.220	.01254	5.31	
388	.999	263.21	3.33	.2487	.01444	-.0045	.0003	-.0001	-.0016	.2472	.01108	7.06	
389	.900	263.54	4.09	.2809	.01930	-.0102	.0004	-.0002	-.0017	.2797	.01374	7.44	
390	.999	262.98	4.73	.3109	.02028	-.0105	.0006	-.0002	-.0018	.3082	.01400	5.69	
391	.999	263.38	5.52	.3466	.02156	-.0102	.0007	-.0003	-.0020	.3429	.01300	5.87	
392	.999	263.13	6.27	.3831	.02326	-.0091	.0005	-.0001	-.0014	.3783	.01314	5.99	
393	.998	262.39	6.95	.4112	.02434	-.0084	.0005	.0000	-.0014	.4052	.01212	5.62	
394	.998	262.72	7.76	.4504	.02595	-.0072	.0004	.0001	-.0014	.4428	.01473	5.23	
395	.999	263.22	8.56	.4917	.02791	-.0061	.0004	-.0001	-.0015	.4821	.01401	4.87	
396	.900	263.54	.71	.1409	.01671	-.0033	.0002	-.0000	-.0005	.1406	.01586	6.44	

POINT	ALPHA	CLSQ	CLC	CLB	CLD	W/FT	TEMP
377	-5.61	.0061	.00044	.00080	.0010	2.00	118.6
378	-4.31	.0008	.00043	.00080	.0010	2.00	118.7
379	-3.65	.0000	.00043	.00080	.0010	2.00	118.7
380	-3.04	.0003	.00044	.00080	.0010	2.01	118.7
381	-2.42	.0013	.00043	.00080	.0010	2.00	118.7
382	-1.77	.0034	.00044	.00080	.0010	2.00	118.9
383	-1.12	.0065	.00045	.00080	.0010	2.00	118.9
384	.73	.0261	.00045	.00080	.0010	2.00	118.9
385	1.34	.0276	.00046	.00080	.0010	2.01	118.7
386	2.01	.0361	.00047	.00080	.0010	2.00	118.7
387	2.71	.0485	.00049	.00080	.0010	2.00	118.6
388	3.33	.0611	.00051	.00080	.0010	2.00	118.6
389	4.09	.0777	.00053	.00080	.0010	2.00	118.6
390	4.73	.0950	.00055	.00080	.0010	2.00	114.7
391	5.52	.1176	.00057	.00080	.0010	2.00	118.7
392	6.27	.1431	.00057	.00080	.0010	2.00	118.9
393	6.95	.1642	.00054	.00080	.0010	2.00	118.9
394	7.76	.1961	.00061	.00080	.0010	2.00	118.9
395	8.56	.2324	.00063	.00080	.0010	2.00	118.7
396	.71	.0198	.00046	.00080	.0010	2.00	118.6

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NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401 RUN 38 MACH .900 CONFIG. 4

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CG	L/D
21	.900	357.40	-.000	-5.67	-.0804	.01023	.00994	.0004	.0002	-.0001	-.0790	.01632	-4.84
22	.901	357.66	-.000	-4.26	-.0242	.01266	.0047	.0005	.0002	-.0004	-.0232	.01257	-1.85
23	.902	358.20	-.000	-3.49	.0074	.01393	.0021	.0003	.0001	-.0002	.0003	.01165	.71
24	.901	357.80	.000	-2.77	.0356	.01502	-.0000	.0002	.0001	-.0002	.0363	.01148	3.16
25	.901	357.66	.000	-2.09	.0585	.01580	-.0019	.0002	.0001	-.0005	.0591	.01185	4.99
26	.900	357.24	.000	-1.36	.0859	.01653	-.0042	.0001	.0001	-.0005	.0863	.01269	6.80
27	.902	358.33	.000	-.76	.1038	.01684	-.0062	.0001	.0001	-.0005	.1040	.01366	7.61
28	.899	356.80	.001	-.65	.1354	.01731	-.0096	.0001	.0002	-.0010	.1354	.01540	8.79
29	.899	356.75	.000	.65	.1619	.01757	-.0124	.0001	.0002	-.0010	.1617	.01762	9.18
30	.900	356.98	.004	1.35	.1900	.01792	-.0152	.0000	.0001	-.0010	.1895	.02058	9.21
31	.900	357.29	.001	2.09	.2219	.01846	-.0183	-.0006	.0001	-.0009	.2210	.02475	8.93
32	.899	356.57	.001	2.91	.2618	.01964	-.0219	-.0001	.0001	-.0013	.2604	.03110	8.37
33	.901	357.40	.001	3.69	.2994	.02089	-.0247	.0001	.0001	-.0015	.2974	.03830	7.77
34	.900	356.92	.004	4.52	.3400	.02238	-.0265	.0003	.0000	-.0015	.3372	.04732	7.12
35	.901	357.49	.001	6.24	.4192	.02610	-.0275	.0002	-.0000	-.0015	.4139	.06974	5.94
36	.901	357.73	.001	8.16	.5154	.03110	-.0276	-.0001	-.0000	-.0013	.5058	.10211	4.95
37	.901	357.40	.004	1.45	.2036	.01833	-.0164	-.0001	.0001	-.0010	.2031	.02168	9.37

POINT	ALPHA	CLS0	LDL	CDB	CDI	R/FT	TEMP
21	-5.67	.0062	.00033	.00080	.0010	2.01	118.7
22	-4.26	.0005	.00033	.00080	.0010	2.01	118.9
23	-3.49	.0001	.00034	.00080	.0010	2.01	118.9
24	-2.77	.0013	.00034	.00080	.0010	2.01	118.7
25	-2.09	.0035	.00033	.00080	.0010	2.01	118.7
26	-1.36	.0074	.00036	.00080	.0010	2.01	118.7
27	-.76	.0109	.00033	.00080	.0010	2.01	118.9
28	-.65	.0163	.00037	.00080	.0010	2.01	118.5
29	.65	.0261	.00036	.00080	.0010	2.01	118.5
30	1.35	.0359	.00038	.00080	.0010	2.00	118.7
31	2.09	.0434	.00040	.00080	.0010	2.01	118.7
32	2.91	.0478	.00044	.00080	.0010	2.00	118.6
33	3.69	.0485	.00046	.00080	.0010	2.01	118.5
34	4.52	.0437	.00050	.00080	.0010	2.01	118.5
35	6.24	.0413	.00054	.00080	.0010	2.01	118.5
36	8.16	.0358	.00060	.00080	.0010	2.01	118.7
37	1.45	.0413	.00036	.00080	.0010	2.01	118.6

TEST 401 RUN 39 MACH .950 CONFIG. 4

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CG	L/D
38	.951	370.13	-.000	-5.68	-.0799	.01036	.0097	.0005	.0001	-.0000	-.0785	.01951	-4.75
39	.951	370.36	-.000	-4.23	-.0201	.01290	.0040	.0005	.0001	-.0003	-.0191	.01265	-1.51
40	.951	370.17	.000	-3.45	.0131	.01430	.0015	.0003	.0000	-.0003	.0139	.01178	1.14
41	.950	369.77	.000	-2.77	.0366	.01523	-.0012	.0002	.0000	-.0006	.0373	.01174	3.18
42	.951	369.79	.000	-2.08	.0629	.01612	-.0035	.0002	.0001	-.0006	.0634	.01212	5.23
43	.951	370.18	.001	-1.37	.0896	.01688	-.0065	.0001	.0000	-.0007	.0900	.01313	6.91
44	.951	370.12	.001	-.67	.1150	.01733	-.0095	.0001	.0001	-.0009	.1155	.01428	8.09
45	.951	370.30	.001	.00	.1411	.01778	-.0129	.0000	.0001	-.0009	.1411	.01601	8.82
46	.951	370.12	.000	.71	.1716	.01848	-.0165	-.0000	.0002	-.0010	.1714	.01848	9.27
47	.951	370.13	.001	1.37	.1993	.01938	-.0196	-.0000	.0002	-.0011	.1978	.02143	8.23
48	.951	370.16	.004	2.18	.2385	.01939	-.0245	-.0001	.0001	-.0012	.2375	.02874	4.88
49	.951	370.12	.004	2.98	.2747	.02049	-.0283	-.0001	.0001	-.0013	.2733	.03303	8.27
50	.951	370.24	.001	3.69	.3184	.02166	-.0312	.0001	.0001	-.0016	.3164	.03978	7.77
51	.951	370.16	.001	4.53	.3605	.02311	-.0330	.0003	-.0000	-.0014	.3436	.04871	7.05
52	.951	370.07	.004	6.45	.4432	.02794	-.0345	.0000	.0000	-.0015	.4373	.07596	5.76
53	.951	370.17	.004	7.65	.4980	.03064	-.0342	-.0001	.0000	-.0012	.4895	.09519	5.14
54	.951	370.01	.001	1.45	.2059	.01868	-.0204	-.0001	.0000	-.0011	.2054	.02210	9.26

POINT	ALPHA	CLS0	LDL	CDB	CDI	R/FT	TEMP
38	-5.68	.0062	.00023	.00077	.0010	2.01	118.6
39	-4.23	.0004	.00023	.00077	.0010	2.01	118.6
40	-3.45	.0002	.00024	.00077	.0010	2.01	118.7
41	-2.77	.0014	.00025	.00077	.0010	2.01	118.7
42	-2.08	.0040	.00025	.00077	.0010	2.01	118.7
43	-1.37	.0081	.00026	.00077	.0010	2.01	118.7
44	-.67	.0133	.00026	.00077	.0010	2.01	118.6
45	.00	.0199	.00027	.00077	.0010	2.01	118.5
46	.71	.0294	.00027	.00077	.0010	2.01	118.5
47	1.37	.0391	.00028	.00077	.0010	2.01	118.5
48	2.18	.0544	.00031	.00077	.0010	2.01	118.5
49	2.98	.0747	.00035	.00077	.0010	2.01	118.7
50	3.69	.0939	.00037	.00077	.0010	2.01	118.7
51	4.53	.1181	.00042	.00077	.0010	2.01	118.6
52	6.45	.1912	.00049	.00077	.0010	2.01	118.6
53	7.65	.2396	.00054	.00077	.0010	2.01	118.6
54	1.45	.0422	.00030	.00077	.0010	2.01	118.6

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 40L		RUN 44		MACH .950		CONFIG. 5							
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CYAW	CSIDE	CL	CD	L/D
81	.951	369.95	-.001	-5.76	-.0021	.01081	-.0079	.0006	.0000	.0005	-.0006	.01728	-4.66
82	.950	369.83	-.000	-4.31	-.0025	.01327	-.0029	.0007	-.0001	.0004	-.0215	.01323	-1.62
83	.950	369.83	-.000	-3.58	.0076	.01456	-.0031	.0005	.0000	.0001	.0085	.01236	.68
84	.951	370.17	.000	-2.84	.0367	.01558	-.0022	.0004	-.0000	.0000	.0374	.01205	3.10
85	.951	370.17	-.000	-2.84	.0365	.01559	-.0021	.0005	-.0000	.0002	.0372	.01207	3.06
86	.953	370.72	.000	-2.15	.0617	.01640	-.0043	.0004	-.0000	-.0002	.0623	.01237	5.07
87	.951	369.95	.000	-1.44	.0878	.01709	-.0056	.0004	-.0001	-.0002	.0982	.01318	6.67
88	.950	369.79	.000	-.78	.1133	.01746	-.0091	.0004	-.0001	.0001	.1105	.01427	7.74
89	.951	370.17	.000	-.06	.1395	.01792	-.0126	.0004	-.0000	-.0003	.1395	.01608	8.68
90	.951	370.20	.000	.62	.1665	.01422	-.0158	.0003	-.0000	-.0002	.1662	.01831	9.08
91	.953	369.75	.000	1.34	.1980	.01859	-.0195	.0003	.0000	-.0002	.1975	.02152	9.18
92	.951	370.17	.000	2.09	.2313	.01911	-.0237	.0002	.0000	-.0002	.2395	.02581	8.93
93	.952	369.57	.001	2.84	.2640	.01967	-.0271	.0003	.0000	-.0006	.2627	.03103	8.46
94	.952	370.39	.001	3.57	.2957	.02047	-.0300	.0005	.0000	-.0008	.2939	.03713	7.91
95	.952	370.44	.001	4.47	.3394	.02204	-.0324	.0007	-.0002	-.0007	.3367	.04670	7.21
96	.951	370.25	.001	6.29	.4250	.02659	-.0324	-.0000	-.0001	-.0011	.4195	.07127	5.89
97	.951	370.25	.001	8.16	.5226	.03181	-.0342	-.0005	-.0002	-.0008	.5124	.08395	4.93
98	.953	370.74	.000	1.35	.1999	.01867	-.0199	.0003	.0001	-.0004	.1994	.02169	9.19

POINT	ALPHA	CLSD	LOC	CDB	CDI	R/FT	TEMP
81	-5.76	.0000	.0000	.00070	.0010	2.01	118.9
82	-4.31	.0000	.0000	.00070	.0010	2.01	118.9
83	-3.58	.0001	.0000	.00070	.0010	2.01	118.9
84	-2.84	.0014	.0000	.00070	.0010	2.01	118.9
85	-2.84	.0014	.0000	.00070	.0010	2.01	118.9
86	-2.15	.0039	.0000	.00070	.0010	2.01	118.9
87	-1.44	.0076	.0000	.00070	.0010	2.01	118.9
88	-.78	.0122	.0000	.00070	.0010	2.01	118.9
89	-.06	.0195	.0000	.00070	.0010	2.01	118.9
90	.62	.0275	.0000	.00070	.0010	2.01	118.7
91	1.34	.0390	.0000	.00070	.0010	2.01	118.7
92	2.09	.0531	.0000	.00070	.0010	2.01	118.9
93	2.84	.0690	.0000	.00070	.0010	2.01	118.6
94	3.57	.0864	.0000	.00070	.0010	2.01	118.7
95	4.47	.1134	.0000	.00070	.0010	2.01	118.9
96	6.29	.1760	.0000	.00070	.0010	2.01	118.9
97	8.16	.2624	.0000	.00070	.0010	2.01	118.6
98	1.35	.0399	.0000	.00070	.0010	2.01	118.7

TEST 40L		RUN 45		MACH 1.000		CONFIG. 5							
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CYAW	CSIDE	CL	CD	L/D
18	1.200	417.47	-.000	-5.89	-.0088	.01225	-.0141	.0007	.0001	-.0002	-.0097	.01922	-5.05
19	1.201	417.45	-.000	-4.33	-.0019	.01545	-.0082	.0007	.0002	-.0002	-.0096	.01462	-2.67
20	1.201	417.43	-.000	-3.67	-.0071	.01631	-.0097	.0007	.0001	-.0001	-.0091	.01363	-1.44
21	1.201	417.44	.000	-2.89	.0237	.01759	-.0011	.0005	.0001	-.0003	.0245	.01327	1.85
22	1.201	417.51	.000	-2.17	.0514	.01855	-.0022	.0004	.0001	-.0004	.0521	.01349	3.86
23	1.201	417.51	.000	-1.56	.0711	.01912	-.0040	.0004	.0000	-.0003	.0716	.01408	5.09
24	1.201	417.48	.000	-.83	.0975	.01975	-.0078	.0003	.0001	-.0004	.0979	.01524	6.42
25	1.201	417.42	.000	-.06	.1297	.02037	-.0121	.0004	.0000	-.0003	.1297	.01713	7.57
26	1.201	417.42	.000	.67	.1584	.02074	-.0151	.0002	.0000	-.0005	.1581	.01948	8.12
27	1.200	417.42	.000	1.38	.1878	.02110	-.0172	.0002	.0000	-.0005	.1872	.02258	8.29
28	1.200	417.39	.001	2.11	.2174	.02169	-.0240	.0002	-.0001	-.0003	.2165	.02695	6.15
29	1.200	417.34	.000	2.85	.2519	.02251	-.0294	.0003	-.0002	-.0001	.2505	.03192	7.85
30	1.200	417.33	.001	3.69	.2901	.02360	-.0335	.0002	-.0002	-.0003	.2880	.03913	7.36
31	1.199	417.32	.001	4.48	.3250	.02506	-.0364	.0002	-.0002	-.0003	.3221	.04725	6.62
32	1.198	417.02	.001	5.39	.3672	.02710	-.0389	.0001	-.0003	-.0002	.3630	.05837	6.22
33	1.201	417.51	.001	6.23	.4045	.02927	-.0414	.0000	-.0001	-.0010	.3989	.06982	5.71
34	1.201	417.59	.001	7.22	.4531	.03181	-.0436	-.0001	.0001	-.0012	.4455	.08539	5.22
35	1.201	417.42	.001	8.07	.4933	.03409	-.0451	-.0001	.0001	-.0014	.4837	.09988	4.84
36	1.200	417.39	.000	1.36	.1865	.02110	-.0230	.0003	.0000	-.0005	.1860	.02243	8.29

POINT	ALPHA	CLSD	LOC	CDB	CDI	R/FT	TEMP
18	-5.89	.0094	.0014	.00210	.0010	2.01	118.7
19	-4.33	.0009	.0014	.00210	.0010	2.01	118.7
20	-3.67	.0000	.0014	.00210	.0010	2.01	118.6
21	-2.89	.0006	.0013	.00210	.0010	2.01	118.7
22	-2.17	.0027	.0013	.00210	.0010	2.01	118.6
23	-1.56	.0051	.0013	.00210	.0010	2.01	118.7
24	-.83	.0096	.0013	.00210	.0010	2.01	118.6
25	-.06	.0168	.0013	.00210	.0010	2.01	118.7
26	.67	.0250	.0012	.00210	.0010	2.01	118.7
27	1.38	.0350	.0010	.00210	.0010	2.01	118.7
28	2.11	.0469	.0010	.00210	.0010	2.01	118.7
29	2.85	.0627	.0010	.00210	.0010	2.01	118.7
30	3.69	.0829	.0013	.00210	.0010	2.01	118.7
31	4.48	.1037	.0013	.00210	.0010	2.01	118.7
32	5.39	.1318	.0013	.00210	.0010	2.01	118.7
33	6.23	.1592	.0014	.00210	.0010	2.01	118.7
34	7.22	.1985	.0015	.00210	.0010	2.01	118.7
35	8.07	.2339	.0015	.00210	.0010	2.01	118.7
36	1.36	.0346	.0012	.00210	.0010	2.01	118.7

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 401 RUN 46 MACH .900 CONFIG. 5

POINT	MINF	Q	DELTA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
37	.901	357.72	.000	-5.79	-.0815	.01031	.0078	.0006	.0000	.0003	-.0800	.01718	-4.66
38	.902	358.31	.000	-4.32	-.0209	.01336	.0033	.0006	.0000	-.0001	-.0198	.01316	-1.51
39	.902	358.01	.000	-3.65	.0049	.01438	.0013	.0005	.0000	-.0002	.0058	.01224	.47
40	.903	358.48	.000	-2.87	.0328	.01534	-.0025	.0005	-.0000	-.0000	.0335	.01187	2.82
41	.899	357.74	.000	-2.28	.0516	.01583	-.0018	.0005	.0000	-.0003	.0522	.01197	4.36
42	.900	357.18	.000	-1.53	.0801	.01674	-.0040	.0004	-.0000	-.0003	.0805	.01240	6.29
43	.901	357.83	.000	-.84	.1065	.01714	-.0064	.0004	-.0000	-.0005	.1067	.01376	7.75
44	.901	357.89	.000	-.13	.1321	.01747	-.0090	.0004	-.0000	-.0003	.1321	.01537	8.60
45	.901	357.80	.000	.53	.1586	.01769	-.0116	.0004	.0000	-.0003	.1564	.01734	9.02
46	.899	357.12	.000	1.22	.1827	.01789	-.0142	.0003	.0000	-.0005	.1827	.01997	9.12
47	.899	358.82	.000	1.97	.2167	.01833	-.0177	.0002	.0000	-.0005	.2160	.02390	9.10
48	.901	357.73	.000	2.76	.2523	.01893	-.0210	.0004	.0000	-.0007	.2511	.02927	8.59
49	.901	357.96	.000	3.47	.2806	.01950	-.0229	.0006	-.0000	-.0004	.2789	.03464	8.05
50	.899	358.83	.000	4.30	.3200	.02065	-.0247	.0007	-.0001	-.0011	.3175	.04279	7.42
51	.901	357.73	.000	5.15	.3601	.02251	-.0250	.0008	-.0003	-.0010	.3566	.05237	6.73
52	.901	357.96	.000	6.02	.4012	.02474	-.0252	.0002	-.0002	-.0013	.3964	.06491	6.11
53	.902	358.27	.000	6.98	.4515	.02717	-.0263	.0000	.0000	-.0009	.4449	.08026	5.54
54	.900	357.29	.000	1.21	.1831	.01788	-.0142	.0003	.0000	-.0005	.1827	.01996	9.15

POINT	ALPHA	CLS0	CUC	COB	COI	R/FT	TEMP
37	-5.79	.0064	.00032	.00040	.0010	2.01	118.6
38	-4.32	.0004	.00032	.00080	.0010	2.01	118.6
39	-3.65	.0000	.00034	.00080	.0010	2.01	118.6
40	-2.87	.0011	.00042	.00080	.0010	2.01	118.6
41	-2.28	.0027	.00044	.00080	.0010	2.01	118.6
42	-1.53	.0065	.00033	.00080	.0010	2.01	118.7
43	-.84	.0114	.00036	.00080	.0010	2.01	118.7
44	-.13	.0175	.00035	.00080	.0010	2.01	118.7
45	.53	.0245	.00035	.00080	.0010	2.01	118.6
46	1.22	.0332	.00038	.00080	.0010	2.01	118.5
47	1.97	.0466	.00039	.00080	.0010	2.01	118.5
48	2.76	.0630	.00040	.00080	.0010	2.01	118.5
49	3.47	.0778	.00040	.00080	.0010	2.01	118.5
50	4.30	.1009	.00040	.00080	.0010	2.01	118.7
51	5.15	.1272	.00042	.00080	.0010	2.01	118.7
52	6.02	.1571	.00045	.00080	.0010	2.01	118.7
53	6.98	.1979	.00045	.00080	.0010	2.01	118.7
54	1.21	.0334	.00038	.00080	.0010	2.01	118.5

TEST 401 RUN 47 MACH .600 CONFIG. 5

POINT	MINF	Q	DELTA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
55	.600	264.35	.000	-5.50	-.0718	.01129	.0056	.0005	-.0000	.0003	-.0704	.01043	-4.29
56	.602	265.36	.000	-4.27	-.0200	.01344	.0042	.0006	.0000	-.0001	-.0183	.01109	-1.45
57	.601	264.86	.000	-3.64	.0034	.01430	.0013	.0004	.0000	-.0001	.0043	.01226	.35
58	.602	265.03	.000	-2.99	.0250	.01505	.0021	.0004	.0000	-.0001	.0257	.01192	2.16
59	.601	264.62	.000	-2.40	.0432	.01562	.0014	.0003	.0000	-.0001	.0438	.01145	3.66
60	.602	265.83	.000	-1.75	.0651	.01620	.0023	.0003	.0000	-.0001	.0655	.01240	5.26
61	.600	263.97	.000	-1.11	.0854	.01665	-.0008	.0003	.0000	-.0001	.0857	.01315	6.57
62	.601	264.62	.000	-.48	.1081	.01693	-.0024	.0003	-.0000	-.0005	.1083	.01422	7.62
63	.601	264.86	.000	.12	.1281	.01706	-.0039	.0002	-.0000	-.0005	.1270	.01550	8.42
64	.602	265.27	.000	.78	.1515	.01713	-.0056	.0003	.0000	-.0005	.1512	.01738	9.70
65	.601	264.38	.000	1.38	.1742	.01729	-.0073	.0002	.0001	-.0006	.1737	.01969	10.82
66	.601	264.38	.000	2.04	.1991	.01745	-.0091	.0000	.0001	-.0007	.1944	.02272	11.73
67	.601	264.29	.000	2.70	.2267	.01781	-.0111	.0003	.0001	-.0008	.2254	.02665	12.46
68	.601	264.62	.000	3.40	.2558	.01824	-.0121	.0000	.0000	-.0010	.2543	.03160	13.05
69	.600	263.89	.000	4.02	.2787	.01857	-.0127	.0005	.0000	-.0014	.2767	.03624	13.63
70	.601	264.54	.000	4.75	.3105	.01941	-.0130	.0007	-.0002	-.0014	.3078	.04326	14.11
71	.600	264.21	.000	5.45	.3446	.02073	-.0131	.0003	-.0003	-.0017	.3405	.05151	14.61
72	.600	264.22	.000	6.26	.3864	.02277	-.0124	.0001	-.0000	-.0015	.3816	.06297	15.06
73	.601	264.46	.000	7.01	.4213	.02497	-.0124	.0001	.0002	-.0014	.4192	.07742	15.64
74	.600	263.88	.000	7.83	.4653	.02561	-.0119	.0003	.0002	-.0013	.4575	.08893	16.26
75	.600	263.97	.000	8.55	.4772	.02686	-.0111	.0002	.0000	-.0012	.4876	.10465	16.94
76	.600	264.13	.000	.77	.1520	.01719	-.0056	.0003	.0000	-.0004	.1518	.01743	8.71

POINT	ALPHA	CLS0	CUC	COB	COI	R/FT	TEMP
55	-5.50	.0050	.00030	.00080	.0010	2.01	119.5
56	-4.27	.0004	.00038	.00080	.0010	2.01	118.7
57	-3.64	.0000	.00039	.00080	.0010	2.01	118.7
58	-2.99	.0007	.00039	.00080	.0010	2.01	118.7
59	-2.40	.0019	.00039	.00080	.0010	2.01	118.7
60	-1.75	.0043	.00040	.00080	.0010	2.01	118.6
61	-1.11	.0073	.00040	.00080	.0010	2.01	118.5
62	-.48	.0117	.00040	.00080	.0010	2.01	118.5
63	.12	.0164	.00040	.00080	.0010	2.01	118.4
64	.78	.0229	.00040	.00080	.0010	2.01	118.4
65	1.38	.0302	.00040	.00080	.0010	2.01	118.4
66	2.04	.0394	.00040	.00080	.0010	2.01	118.4
67	2.70	.0509	.00040	.00080	.0010	2.01	118.5
68	3.40	.0647	.00040	.00080	.0010	2.01	118.6
69	4.02	.0765	.00040	.00080	.0010	2.01	118.7
70	4.75	.0947	.00040	.00080	.0010	2.01	118.7
71	5.45	.1159	.00040	.00080	.0010	2.01	118.7
72	6.26	.1456	.00040	.00080	.0010	2.01	118.8
73	7.01	.1724	.00040	.00080	.0010	2.01	118.5
74	7.83	.2093	.00040	.00080	.0010	2.01	118.5
75	8.55	.2371	.00040	.00080	.0010	2.01	118.5
76	.77	.0230	.00040	.00080	.0010	2.01	118.7

TEST 401		RUN 50		MACH 1.200		CONFIG. 6							
POINT	MINF	Q	BETA	ALPHA	CN	CA	C4	CDLL	CYAN	CSIDE	CL	CD	L/D
28	1.251	417.34	-.004	-0.04	-.1149	.0130C	.0275	.0007	.0C01	.0C09	-.1129	.02192	-5.15
29	1.200	417.53	-.004	-4.51	-.0491	.01509	.0093	.0C07	.0C03	.0C01	-.0477	.01040	-2.87
30	1.200	416.95	-.004	-3.79	-.0194	.01701	.0054	.0C04	.0C01	.0C03	-.0102	.01515	-1.20
31	1.200	417.03	-.000	-3.04	.0092	.01790	.0017	.0C00	.0C01	.0C02	.0102	.01434	.71
32	1.201	417.00	-.000	-2.33	.0396	.01097	-.0021	.0005	.0C01	.0C01	.0004	.01424	2.84
33	1.201	417.06	-.000	-1.54	.0036	.01962	-.0050	.0004	.0C01	-.0C01	.0041	.01467	4.37
34	1.201	417.00	-.000	-.88	.0951	.02535	-.0009	.0C03	.0001	.0C01	.0954	.01579	6.14
35	1.200	417.53	-.000	-.22	.1100	.02065	-.0120	.0003	.0C01	-.0C01	.1100	.01710	6.95
36	1.201	417.17	-.000	.51	.1475	.02151	-.0161	.0903	.0C01	.0300	.1475	.01922	7.66
37	1.200	416.00	-.000	1.26	.1787	.02111	-.0203	.0002	.0C01	-.0002	.1782	.02194	8.12
38	1.199	416.79	-.000	1.92	.2016	.02115	-.0233	.0002	.0C01	.0000	.2030	.02175	8.10
39	1.199	416.06	-.000	2.73	.2341	.02122	-.0273	.0003	-.0C01	.0000	.2349	.02133	8.01
40	1.200	417.03	-.000	3.40	.2611	.02129	-.0300	.0002	.0C01	-.0002	.2594	.03363	7.71
41	1.200	416.97	-.000	4.30	.3024	.02201	-.0336	.0000	.0C01	-.0001	.2999	.04150	7.22
42	1.199	416.79	-.000	5.08	.3356	.02296	-.0356	.0001	.0C01	.0004	.3322	.04948	6.71
43	1.199	416.70	-.000	6.35	.3833	.02614	-.0386	-.0001	.0003	-.0005	.3794	.06326	5.98
44	1.201	417.51	-.000	7.06	.4351	.02994	-.0411	.0C 3	-.0003	.0001	.4282	.07921	5.41
45	1.199	416.74	-.000	8.08	.4810	.03162	-.0425	.0003	-.0005	.0004	.4726	.09576	4.94
46	1.199	416.99	-.000	1.28	.1803	.02113	-.0205	.0002	.0C00	-.0002	.1797	.02206	8.15

POINT	ALPHA	CLSQ	CUL	C00	C01	R/FT	TEMP
28	-0.04	.0127	.00110	.00210	.0010	2.01	119.1
29	-4.51	.0023	.00114	.00210	.0010	2.01	119.0
30	-3.79	.0003	.00114	.00210	.0010	2.01	119.0
31	-3.04	.0001	.00112	.00210	.0010	2.01	119.0
32	-2.33	.0016	.00112	.00210	.0010	2.01	119.9
33	-1.66	.0001	.00113	.00210	.0010	2.01	118.9
34	-.88	.0091	.00113	.00210	.0010	2.01	118.7
35	-.22	.0101	.00117	.00210	.0010	2.01	118.9
36	.51	.0217	.00114	.00210	.0010	2.01	118.9
37	1.26	.0310	.00113	.00210	.0010	2.01	118.9
38	1.92	.0403	.00110	.00210	.0010	2.01	118.9
39	2.73	.0552	.00110	.00210	.0010	2.01	118.9
40	3.40	.0673	.00110	.00210	.0010	2.01	118.7
41	4.30	.0899	.00110	.00210	.0010	2.01	118.6
42	5.08	.1104	.00110	.00210	.0010	2.01	118.7
43	6.35	.1432	.00110	.00210	.0010	2.01	118.9
44	7.06	.1834	.00110	.00210	.0010	2.01	118.9
45	8.08	.2233	.00110	.00210	.0010	2.01	118.7
46	1.28	.0310	.00110	.00210	.0010	2.01	118.7

TEST 401		RUN 51		MACH .950		CONFIG. 6							
POINT	MINF	Q	BETA	ALPHA	CN	CA	C4	CDLL	CYAN	CSIDE	CL	CD	L/D
47	.951	369.97	-.004	-6.01	-.1007	.01105	.0094	.0005	.0C01	.0009	-.0990	.02244	-4.04
48	.952	370.33	-.000	-4.47	-.0328	.01437	.0022	.0007	.0007	.0005	-.0316	.01511	-2.79
49	.952	370.26	-.000	-3.73	-.0039	.01920	-.0004	.0000	.0000	.0000	-.0029	.01306	-.21
50	.950	369.83	-.000	-3.06	.0225	.01619	-.0027	.0005	.0000	.0001	.0234	.01326	1.76
51	.950	369.70	-.000	-2.30	.0516	.01700	-.0008	.0005	.0000	.0000	.0522	.01322	3.45
52	.952	370.56	-.000	-1.65	.0754	.01750	-.0070	.0004	.0000	.0000	.0754	.01363	5.17
53	.950	369.75	-.000	-.92	.1037	.01900	-.0097	.0003	.0000	-.0001	.1029	.01463	7.10
54	.951	370.01	-.000	-.18	.1343	.01829	-.0133	.0004	.0000	.0000	.1344	.01615	8.32
55	.951	369.88	-.000	.50	.1608	.01841	-.0166	.0003	.0000	-.0000	.1607	.01813	6.94
56	.951	369.91	-.000	1.18	.1863	.01841	-.0195	.0003	.0000	-.0002	.1859	.02055	5.75
57	.951	370.05	-.000	1.83	.2086	.01831	-.0218	.0004	.0000	-.0002	.2040	.02325	6.65
58	.950	369.77	-.000	2.57	.2386	.01914	-.0242	.0004	-.0001	.0001	.2376	.02717	6.74
59	.950	369.79	-.000	3.34	.2736	.01930	-.0272	.0005	-.0C01	-.0002	.2721	.03253	5.36
60	.951	370.00	-.000	4.11	.3024	.01951	-.0293	.0005	-.0C01	-.0005	.3005	.03843	7.81
61	.950	369.82	-.000	5.03	.3500	.02013	-.0304	.0007	.0000	.0000	.3465	.04606	7.07
62	.952	370.42	-.000	5.87	.3888	.02229	-.0315	.0003	.0004	-.0010	.3845	.06021	6.39
63	.952	370.27	-.000	6.83	.4353	.02478	-.0310	.0008	-.0C04	.0000	.4293	.07469	5.75
64	.951	369.89	-.000	7.72	.4772	.02667	-.0325	.0009	-.0C07	.0013	.4693	.09086	5.28
65	.951	370.05	-.000	1.18	.1879	.01847	-.0196	.0004	.0000	-.0003	.1875	.02044	9.09

POINT	ALPHA	CLSQ	CUL	C00	C01	R/FT	TEMP
47	-6.01	.0098	.00020	.00070	.0010	2.01	118.5
48	-4.47	.0010	.00020	.00070	.0010	2.01	118.7
49	-3.73	.0000	.00025	.00070	.0010	2.01	118.7
50	-3.06	.0005	.00026	.00070	.0010	2.01	118.7
51	-2.30	.0027	.00026	.00070	.0010	2.01	118.6
52	-1.65	.0058	.00025	.00070	.0010	2.01	118.7
53	-.92	.0108	.00028	.00070	.0010	2.01	118.6
54	-.18	.0181	.00028	.00070	.0010	2.01	118.5
55	.50	.0258	.00024	.00070	.0010	2.01	118.5
56	1.18	.0346	.00029	.00070	.0010	2.01	118.5
57	1.83	.0432	.00030	.00070	.0010	2.01	118.6
58	2.57	.0564	.00033	.00070	.0010	2.01	118.6
59	3.34	.0740	.00036	.00070	.0010	2.01	118.6
60	4.11	.0902	.00034	.00070	.0010	2.01	118.6
61	5.03	.1203	.00044	.00070	.0010	2.01	118.5
62	5.87	.1478	.00047	.00070	.0010	2.01	118.6
63	6.83	.1843	.00052	.00070	.0010	2.01	118.6
64	7.72	.2202	.00058	.00070	.0010	2.01	118.6
65	1.18	.0352	.00029	.00070	.0010	2.01	118.5

ORIGINAL PAGE IS OF POOR QUALITY



NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401 RUN 52 MACH .900 CONFIG. 6

POINT	WING	O	BETA	ALPHA	CM	CA	CM	CRULL	CYAM	CXIDE	CL	CD	L/D
66	.900	357.15	-.00	-3.89	-.0902	.01209	.0074	.0007	-.0001	.0006	-.0004	.01947	-4.54
67	.899	356.80	-.00	-4.44	-.0311	.01426	.0027	.0006	-.0000	.0002	-.0002	.01404	-2.02
68	.900	357.09	-.00	-3.74	-.0045	.01512	.0036	.0006	-.0000	-.0000	-.0000	.01356	-1.26
69	.900	357.03	.00	-2.97	.0253	.01605	-.0013	.0009	-.0000	-.0001	-.0001	.01297	2.62
70	.897	355.69	.00	-2.31	.0490	.01670	-.0029	.0005	-.0000	-.0000	-.0000	.01280	3.62
71	.899	356.62	.00	-1.64	.0722	.01716	-.0046	.0005	-.0000	-.0000	-.0000	.01329	5.47
72	.900	356.92	.00	-.87	.1024	.01758	-.0071	.0005	-.0000	-.0000	-.0000	.01422	7.22
73	.900	357.09	.00	-.20	.1291	.01778	-.0098	.0004	-.0000	-.0000	-.0000	.01554	8.31
74	.900	357.15	.00	.46	.1530	.01706	-.0125	.0004	-.0000	-.0000	-.0000	.01730	9.84
75	.900	357.21	.00	1.15	.1803	.01703	-.0152	.0004	-.0000	-.0000	-.0000	.01909	9.16
76	.899	356.80	.00	1.85	.2055	.01765	-.0172	.0003	-.0000	-.0000	-.0000	.02244	9.11
77	.899	356.80	.00	2.57	.2335	.01753	-.0190	.0004	-.0000	-.0000	-.0000	.02325	4.94
78	.899	356.75	.01	3.26	.2500	.01762	-.0207	.0005	-.0000	-.0000	-.0000	.02565	4.48
79	.900	357.09	.01	4.07	.2599	.01777	-.0229	.0004	-.0000	-.0000	-.0000	.02930	7.95
80	.899	356.32	.01	4.98	.3376	.01896	-.0238	.0005	-.0000	-.0000	-.0000	.03466	7.22
81	.899	356.79	.00	5.84	.3826	.02144	-.0246	.0001	-.0000	-.0000	-.0000	.03784	6.47
82	.901	357.40	.00	6.77	.4283	.02366	-.0244	.0001	-.0000	-.0000	-.0000	.04225	5.85
83	.899	356.68	.00	7.65	.4683	.02536	-.0235	-.0000	-.0000	-.0000	-.0000	.04607	5.36
84	.899	356.74	.00	1.23	.1889	.01790	-.0154	.0004	-.0000	-.0000	-.0000	.02013	9.36

POINT	ALPHA	CLSQ	CUL	COM	COI	R/FT	TEMP
66	-3.89	.0078	.0000	.0000	.0010	2.01	118.5
67	-4.44	.0009	.0000	.0000	.0010	2.90	118.6
68	-3.74	.0000	.0000	.0000	.0010	2.01	118.6
69	-2.97	.0007	.0000	.0000	.0010	2.01	118.6
70	-2.31	.0025	.0000	.0000	.0010	2.00	118.5
71	-1.64	.0053	.0000	.0000	.0010	2.00	118.6
72	-.87	.0105	.0000	.0000	.0010	2.00	118.7
73	-.20	.0167	.0000	.0000	.0010	2.01	118.6
74	.46	.0234	.0000	.0000	.0010	2.01	118.6
75	1.15	.0324	.0000	.0000	.0010	2.01	118.5
76	1.85	.0420	.0000	.0000	.0010	2.01	118.5
77	2.57	.0541	.0000	.0000	.0010	2.01	118.5
78	3.26	.0658	.0000	.0000	.0010	2.01	118.5
79	4.07	.0864	.0000	.0000	.0010	2.01	118.5
80	4.98	.1120	.0000	.0000	.0010	2.00	118.5
81	5.84	.1432	.0000	.0000	.0010	2.01	118.5
82	6.77	.1785	.0000	.0000	.0010	2.01	118.6
83	7.65	.2122	.0000	.0000	.0010	2.00	118.6
84	1.23	.0355	.0000	.0000	.0010	2.00	118.6

TEST 401 RUN 53 MACH .600 CONFIG. 6

POINT	WING	O	BETA	ALPHA	CM	CA	CM	CRULL	CYAM	CXIDE	CL	CD	L/D
85	.599	263.11	-.00	-5.63	-.0771	.01270	.0051	.0005	.0000	.0005	-.0055	.01440	-4.10
86	.599	262.87	.00	-4.37	-.0285	.01436	.0034	.0005	.0000	-.0001	-.0024	.01465	-1.00
87	.598	262.45	.00	-3.72	-.0063	.01506	.0022	.0004	.0000	-.0000	-.0003	.01263	-1.39
88	.600	263.35	.00	-3.05	.0108	.01593	.0013	.0005	.0000	-.0000	-.0000	.01297	1.51
89	.600	263.27	.00	-2.43	.0391	.01631	.0004	.0003	-.0000	-.0000	-.0000	.01284	3.10
90	.599	262.79	.00	-1.79	.0635	.01686	-.0006	.0003	-.0000	-.0000	-.0000	.01307	4.90
91	.599	263.19	.00	-1.16	.0800	.01701	-.0017	.0002	-.0000	-.0000	-.0000	.01357	5.98
92	.599	262.87	.00	-.55	.1035	.01721	-.0030	.0001	-.0000	-.0000	-.0000	.01442	7.19
93	.599	262.21	.00	.08	.1249	.01735	-.0048	.0002	-.0000	-.0000	-.0000	.01573	7.94
94	.599	263.19	.00	.72	.1492	.01727	-.0064	.0002	-.0000	-.0000	-.0000	.01735	8.59
95	.599	262.95	.00	1.31	.1688	.01707	-.0079	.0003	-.0000	-.0000	-.0000	.01913	8.80
96	.598	262.30	.00	1.94	.1900	.01675	-.0093	.0004	-.0000	-.0000	-.0000	.02139	8.85
97	.598	262.37	.00	2.58	.2135	.01653	-.0102	.0005	-.0000	-.0000	-.0000	.02432	8.74
98	.599	262.93	.00	3.20	.2324	.01629	-.0110	.0005	-.0000	-.0000	-.0000	.02742	8.43
99	.599	262.95	.01	3.86	.2577	.01627	-.0118	.0004	-.0000	-.0000	-.0000	.03179	8.05
100	.598	262.44	.01	4.56	.2871	.01649	-.0122	.0005	-.0000	-.0000	-.0000	.03744	7.40
101	.598	262.29	.01	5.28	.3192	.01694	-.0124	.0004	-.0000	-.0000	-.0000	.04443	7.12
102	.599	262.79	.01	6.01	.3545	.01831	-.0121	.0003	-.0000	-.0000	-.0000	.05355	6.55
103	.599	263.11	.00	.72	.1514	.01739	-.0066	.0003	-.0000	-.0000	-.0000	.01751	9.64

POINT	ALPHA	CLSQ	COM	COI	R/FT	TEMP
85	-5.63	.0057	.0000	.0000	2.00	118.1
86	-4.37	.0007	.0000	.0000	2.00	118.5
87	-3.72	.0000	.0000	.0000	2.00	118.7
88	-3.05	.0004	.0000	.0000	2.00	118.6
89	-2.43	.0016	.0000	.0000	2.00	119.4
90	-1.79	.0041	.0000	.0000	2.00	118.6
91	-1.16	.0066	.0000	.0000	2.00	118.7
92	-.55	.0107	.0000	.0000	2.00	118.9
93	.08	.0156	.0000	.0000	2.00	118.5
94	.72	.0222	.0000	.0000	2.00	118.5
95	1.31	.0284	.0000	.0000	2.00	118.5
96	1.94	.0350	.0000	.0000	2.00	118.5
97	2.58	.0432	.0000	.0000	2.00	118.6
98	3.20	.0534	.0000	.0000	2.00	118.6
99	3.86	.0655	.0000	.0000	2.00	118.6
100	4.56	.0812	.0000	.0000	2.00	118.5
101	5.28	.1001	.0000	.0000	2.00	118.3
102	6.01	.1229	.0000	.0000	2.00	118.3
103	.72	.0229	.0000	.0000	2.00	118.5

TEST 401		RUN 56		MACH .950		CONFIG. 7							
POINT	HINF	Q	delta	ALPHA	CM	CA	CM	CRULL	CYAM	CSIDE	CL	CD	L/D
116	.951	369.83	-.61	-6.11	-.1029	.01292	.0043	.0009	-.0001	.0011	-.1910	.02211	-4.57
117	.950	369.22	-.60	-4.53	-.2349	.01546	-.0006	.0007	-.0000	.0009	-.0336	.01647	-2.04
118	.950	369.51	-.60	-3.80	-.0061	.01634	-.0028	.0006	.0000	.0000	-.0050	.01501	-1.34
119	.950	369.38	-.60	-3.09	.0217	.01717	-.0047	.0006	-.0000	.0003	.0226	.01627	1.30
120	.950	369.35	-.60	-2.38	.0493	.01706	-.0063	.0000	.0000	.0001	.0350	.01609	3.55
121	.950	369.24	-.60	-1.67	.0740	.01834	-.0082	.0000	.0000	.0001	.0602	.01647	5.15
122	.950	369.16	-.60	-.91	.1041	.01876	-.0108	.0000	.0000	.0002	.1064	.01537	6.82
123	.950	369.50	-.60	-.20	.1340	.01899	-.0141	.0000	.0000	.0000	.1349	.01681	8.62
124	.949	369.34	-.60	.47	.1613	.01937	-.0172	.0000	.0000	-.0001	.1612	.01871	10.42
125	.950	369.52	-.60	1.16	.1876	.01901	-.0203	.0000	.0000	-.0001	.1872	.02112	12.26
126	.950	369.41	-.60	1.85	.2147	.01880	-.0232	.0000	.0000	-.0002	.2139	.02411	14.07
127	.950	369.33	-.60	2.59	.2433	.01850	-.0257	.0000	-.0000	-.0001	.2423	.02708	15.89
128	.950	369.30	-.60	3.27	.2683	.01847	-.0280	.0000	-.0000	-.0003	.2668	.03003	17.73
129	.950	369.38	-.61	4.04	.3005	.01845	-.0306	.0000	-.0000	-.0006	.2984	.03308	19.58
130	.950	369.47	-.61	4.83	.3347	.01804	-.0310	.0000	-.0000	-.0013	.3319	.03626	21.43
131	.949	369.10	-.61	5.66	.3789	.01976	-.0355	-.0000	.0000	-.0012	.3751	.03951	23.28
132	.950	369.40	-.61	6.53	.4227	.02096	-.0386	-.0000	-.0000	-.0014	.4176	.04277	25.13
133	.950	369.40	-.61	7.45	.4671	.02265	-.0388	-.0000	-.0000	-.0012	.4602	.04613	26.98
134	.951	369.55	-.62	8.38	.5113	.02564	-.0379	.0000	-.0000	-.0018	.5212	.04958	28.83
135	.950	369.25	-.61	7.99	.4948	.02379	-.0395	.0000	-.0000	-.0010	.4867	.05063	30.68
136	.950	369.23	-.61	5.28	.3590	.01920	-.0320	-.0015	.0000	-.0015	.3557	.04507	32.53
137	.950	369.44	-.61	4.90	.3426	.01901	-.0320	.0000	.0000	-.0014	.3397	.04647	34.38
138	.950	369.58	-.60	1.20	.1927	.01910	-.0207	.0000	.0000	-.0003	.1923	.02142	36.23

POINT	ALPHA	CLSO	LOC	COB	CDI	R/FT	TEMP
116	-6.11	.0102	.00003	.00070	.0010	2.01	118.9
117	-4.53	.0011	.00003	.00070	.0010	2.00	119.0
118	-3.80	.0000	.00003	.00070	.0010	2.00	119.0
119	-3.09	.0005	.00023	.00070	.0010	2.00	119.9
120	-2.38	.0025	.00040	.00070	.0010	2.00	118.9
121	-1.67	.0054	.00060	.00070	.0010	2.00	119.7
122	-.91	.0113	.00080	.00070	.0010	2.00	118.9
123	-.20	.0182	.00097	.00070	.0010	2.01	118.7
124	.47	.0260	.00110	.00070	.0010	2.00	118.9
125	1.16	.0350	.00126	.00070	.0010	2.00	119.0
126	1.85	.0450	.00140	.00070	.0010	2.00	119.0
127	2.59	.0567	.00150	.00070	.0010	2.00	118.9
128	3.27	.0692	.00150	.00070	.0010	2.01	118.7
129	4.04	.0830	.00150	.00070	.0010	2.00	118.9
130	4.83	.1102	.00150	.00070	.0010	2.00	118.9
131	5.66	.1407	.00150	.00070	.0010	2.00	118.9
132	6.53	.1744	.00150	.00070	.0010	2.00	118.9
133	7.45	.2110	.00150	.00070	.0010	2.00	118.9
134	8.38	.2516	.00150	.00070	.0010	2.00	118.9
135	7.99	.2369	.00150	.00070	.0010	2.00	118.9
136	5.28	.1265	.00150	.00070	.0010	2.00	118.9
137	4.90	.1154	.00150	.00070	.0010	2.01	118.7
138	1.20	.0370	.00060	.00070	.0010	2.01	118.9

TEST 401 RUN 57 MACH 1.200 CONFIG. 7

POINT	HINF	Q	delta	ALPHA	CM	CA	CM	CRULL	CYAM	CSIDE	CL	CD	L/D
139	1.200	417.02	-.60	-6.13	-.1135	.01456	.0136	.0000	.0000	.0004	-.1113	.02368	-4.76
140	1.200	416.95	-.60	-4.62	-.0521	.01715	.0057	.0007	-.0001	.0001	-.0506	.01919	-2.76
141	1.201	417.17	-.60	-3.83	-.0177	.01836	.0025	.0007	.0001	-.0004	-.0165	.01641	-1.76
142	1.200	416.87	-.60	-3.14	.0073	.01921	-.0005	.0000	.0000	-.0004	.0083	.01569	-.83
143	1.200	417.05	-.60	-2.40	.0397	.02020	-.0040	.0000	.0000	-.0003	.0405	.01542	2.63
144	1.201	417.53	-.60	-1.63	.0710	.02099	-.0075	.0000	.0000	-.0003	.0716	.01545	4.47
145	1.201	417.50	-.60	-.87	.0994	.02146	-.0104	.0000	.0000	-.0001	.0997	.01685	6.31
146	1.201	417.51	-.60	-.17	.1262	.02167	-.0141	.0000	.0000	-.0005	.1263	.01819	8.14
147	1.200	417.47	-.60	.53	.1548	.02188	-.0181	.0000	.0000	-.0005	.1546	.02023	9.98
148	1.201	417.61	-.60	1.24	.1817	.02191	-.0219	.0000	.0000	-.0004	.1811	.02273	11.87
149	1.200	417.32	-.60	1.95	.2091	.02185	-.0256	.0000	.0000	-.0004	.2082	.02585	13.71
150	1.201	417.59	-.60	2.66	.2374	.02173	-.0292	.0000	-.0000	-.0002	.2361	.02949	15.56
151	1.200	417.31	-.61	3.47	.2713	.02181	-.0332	.0000	.0000	-.0004	.2706	.03311	17.41
152	1.201	417.59	-.61	4.22	.3023	.02208	-.0356	.0000	.0000	-.0007	.2999	.03618	19.26
153	1.200	417.29	-.61	5.06	.3387	.02262	-.0396	.0000	.0000	-.0006	.3354	.03933	21.11
154	1.201	417.50	-.61	5.83	.3714	.02372	-.0425	-.0000	-.0000	-.0006	.3671	.04264	22.96
155	1.201	417.48	-.61	6.70	.4148	.02543	-.0453	-.0000	-.0000	-.0006	.4090	.04592	24.81
156	1.200	417.38	-.61	7.55	.4533	.02706	-.0490	-.0000	-.0000	-.0003	.4458	.04936	26.66
157	1.200	417.53	-.60	1.27	.1851	.02196	-.0223	.0000	.0000	-.0004	.1846	.02245	28.51

POINT	ALPHA	CLSO	LOC	COB	CDI	R/FT	TEMP
139	-6.13	.0124	.00114	.00210	.0010	2.01	118.9
140	-4.62	.0026	.00112	.00210	.0010	2.01	118.9
141	-3.83	.0003	.00110	.00210	.0010	2.01	118.7
142	-3.14	.0001	.00111	.00210	.0010	2.01	118.6
143	-2.40	.0016	.00107	.00210	.0010	2.01	118.7
144	-1.63	.0051	.00109	.00210	.0010	2.01	118.9
145	-.87	.0099	.00112	.00210	.0010	2.01	118.7
146	-.17	.0159	.00114	.00210	.0010	2.01	118.6
147	.53	.0239	.00119	.00210	.0010	2.01	118.6
148	1.24	.0328	.00123	.00210	.0010	2.01	118.6
149	1.95	.0436	.00128	.00210	.0010	2.01	118.6
150	2.66	.0558	.00130	.00210	.0010	2.01	118.6
151	3.47	.0726	.00135	.00210	.0010	2.01	118.7
152	4.22	.0899	.00133	.00210	.0010	2.01	118.6
153	5.06	.1125	.00136	.00210	.0010	2.01	118.7
154	5.83	.1347	.00138	.00210	.0010	2.01	118.6
155	6.70	.1673	.00147	.00210	.0010	2.01	118.6
156	7.55	.1987	.00141	.00210	.0010	2.01	118.6
157	1.27	.0341	.00146	.00210	.0010	2.01	118.7

ORIGINAL PAGE IS OF POOR QUALITY

	TEST 401	RUN 50	MACH .900	CONFIG. 7									
POINT	TIME	Q	delta	ALPHA	CM	CA	CM	CROLL	CYAW	C/SIDE	CL	CD	L/D
158	.901	357.35	-.00	-5.99	-.0931	.01332	.0043	.0007	-.0001	.0007	-.0912	.02117	-4.31
159	.899	356.60	-.00	-4.55	-.0301	.01522	.0007	.0007	-.0000	.0001	-.0368	.01640	-2.24
160	.900	356.98	-.00	-3.86	-.0054	.01626	-.0015	.0006	-.0000	.0001	-.0043	.01478	-.29
161	.899	356.46	.00	-3.11	.0175	.01682	-.0028	.0005	-.0000	-.0001	.0106	.01405	1.31
162	.900	356.85	.00	-2.37	.0404	.01763	-.0043	.0005	-.0000	-.0001	.0491	.01382	3.55
163	.900	356.86	.00	-1.65	.0746	.01805	-.0060	.0004	-.0000	-.0002	.0750	.01409	5.32
164	.905	357.09	.00	-.96	.1032	.01839	-.0083	.0004	.0000	-.0004	.1035	.01490	6.95
165	.906	357.09	.00	-.73	.1277	.01853	-.0104	.0003	.0000	-.0005	.1278	.01621	7.98
166	.900	356.87	.00	.45	.1546	.01853	-.0131	.0003	-.0006	-.0003	.1544	.01795	9.60
167	.903	356.80	.00	1.15	.1807	.01891	-.0158	.0003	.0000	-.0003	.1803	.02233	8.87
168	.900	356.92	.00	1.83	.2071	.01825	-.0182	.0003	.0000	-.0005	.2064	.02304	8.96
169	.903	356.97	.00	2.50	.2294	.01792	-.0198	.0003	-.0004	-.0004	.2284	.02611	8.75
170	.903	357.39	.00	3.24	.2510	.01779	-.0222	.0004	-.0001	-.0004	.2504	.03069	8.46
171	.903	357.15	.00	4.02	.2917	.01768	-.0263	.0005	-.0001	-.0000	.2898	.03620	7.99
172	.900	356.92	.00	4.86	.3255	.01797	-.0295	.0006	.0000	-.0015	.3229	.04323	7.47
173	.899	356.97	.00	5.62	.3644	.01852	-.0284	.0006	.0002	-.0017	.3625	.05254	6.91
174	.899	356.74	.00	6.41	.4048	.01957	-.0310	.0006	-.0002	-.0010	.4001	.06243	6.37
175	.890	356.96	.00	7.27	.4465	.02094	-.0316	.0006	-.0001	-.0014	.4403	.07551	5.83
176	.899	356.62	.00	1.18	.1860	.01894	-.0162	.0003	.0000	-.0005	.1856	.02657	9.02
177	.900	357.20	.00	.48	.1601	.01862	-.0137	.0004	.0000	-.0005	.1599	.01817	8.80

POINT	ALPHA	CLS0	LDC	CDR	CDI	Q/FT	TEMP
158	-5.99	.0003	.00000	.00000	.0010	2.01	118.0
159	-4.55	.0014	.00000	.00000	.0010	2.00	118.0
160	-3.86	.0003	.00000	.00000	.0010	2.01	118.5
161	-3.11	.0003	.00000	.00000	.0010	2.01	118.4
162	-2.37	.0024	.00000	.00000	.0010	2.01	118.5
163	-1.65	.0030	.00000	.00000	.0010	2.00	118.6
164	-.96	.0107	.00000	.00000	.0010	2.01	118.6
165	-.73	.0163	.00000	.00000	.0010	2.00	118.7
166	.45	.0238	.00000	.00000	.0010	2.01	118.5
167	1.15	.0325	.00000	.00000	.0010	2.01	118.5
168	1.83	.0426	.00000	.00000	.0010	2.00	118.6
169	2.50	.0521	.00000	.00000	.0010	2.00	118.7
170	3.24	.0676	.00000	.00000	.0010	2.00	118.7
171	4.02	.0804	.00000	.00000	.0010	2.00	118.7
172	4.86	.1042	.00000	.00000	.0010	2.01	118.5
173	5.62	.1317	.00000	.00000	.0010	2.00	118.6
174	6.41	.1601	.00000	.00000	.0010	2.00	118.7
175	7.27	.1939	.00000	.00000	.0010	2.01	118.5
176	1.18	.0345	.00000	.00000	.0010	2.00	118.5
177	.48	.0256	.00000	.00000	.0010	2.01	118.5

	TEST 401	RUN 50	MACH .800	CONFIG. 7									
POINT	TIME	Q	delta	ALPHA	CM	CA	CM	CROLL	CYAW	C/SIDE	CL	CD	L/D
178	.599	262.96	-.00	-5.76	-.3833	.01364	.0036	.0007	.0001	.0001	-.0815	.02009	-4.06
179	.600	263.54	-.00	-4.38	-.0284	.01548	.0013	.0005	.0001	-.0001	-.0271	.01940	-1.72
180	.600	263.62	.00	-3.73	-.0053	.01626	.0002	.0005	.0001	-.0002	-.0042	.01472	-.29
181	.600	263.70	.00	-3.14	.0130	.01668	-.0005	.0004	.0000	-.0002	.0139	.01414	.90
182	.600	263.54	.00	-2.43	.0427	.01734	-.0012	.0003	-.0000	-.0002	.0434	.01372	3.16
183	.600	263.78	.00	-1.78	.0622	.01762	-.0017	.0004	.0000	-.0002	.0627	.01398	4.52
184	.600	263.62	.00	-1.21	.0798	.01772	-.0024	.0003	-.0001	-.0003	.0801	.01423	5.63
185	.599	262.79	.00	-.54	.1038	.01796	-.0037	.0003	.0000	-.0000	.1040	.01511	7.86
186	.600	263.54	.00	.69	.1245	.01800	-.0052	.0003	-.0001	-.0004	.1245	.01632	7.83
187	.600	263.87	.00	.69	.1482	.01784	-.0070	.0002	.0000	-.0004	.1480	.01782	9.31
188	.599	263.21	.00	1.31	.1695	.01765	-.0085	.0002	.0000	-.0005	.1690	.01972	8.57
189	.600	263.62	.00	1.94	.1910	.01736	-.0101	.0004	-.0000	-.0004	.1903	.02200	8.65
190	.600	263.87	.00	2.56	.2135	.01691	-.0112	.0003	-.0000	-.0004	.2126	.02464	8.37
191	.600	263.95	.00	3.19	.2330	.01653	-.0122	.0003	-.0000	-.0006	.2317	.02768	8.37
192	.599	262.95	.00	3.77	.2552	.01630	-.0132	.0004	-.0001	-.0009	.2536	.03126	8.11
193	.600	263.87	.00	4.52	.2866	.01619	-.0144	.0004	-.0000	-.0017	.2844	.03645	7.77
194	.600	263.62	.00	5.19	.3139	.01612	-.0150	.0005	.0001	-.0021	.3111	.04265	7.30
195	.599	263.21	.00	5.88	.3455	.01644	-.0163	.0005	-.0001	-.0019	.3420	.04997	6.84
196	.601	264.11	.00	.71	.1520	.01797	-.0074	.0003	.0000	-.0006	.1517	.01805	8.41
197	.600	263.87	.00	6.65	.3807	.01721	-.0184	.0006	-.0001	-.0012	.3761	.05937	6.30
198	.599	262.95	.00	7.29	.4263	.01774	-.0185	.0003	-.0001	-.0016	.4007	.06736	5.95
199	.599	263.13	.00	8.10	.4501	.01895	-.0185	.0005	-.0003	-.0016	.4429	.08034	5.51
200	.601	264.19	.00	.75	.1547	.01794	-.0075	.0003	-.0000	-.0003	.1545	.01816	8.51

POINT	ALPHA	CLS0	LDC	CDR	CDI	Q/FT	TEMP
178	-5.76	.0066	.00000	.00000	.0010	2.00	118.6
179	-4.38	.0007	.00000	.00000	.0010	2.01	118.0
180	-3.73	.0000	.00000	.00000	.0010	2.01	118.1
181	-3.14	.0002	.00000	.00000	.0010	2.00	118.6
182	-2.43	.0019	.00000	.00000	.0010	2.00	118.9
183	-1.78	.0039	.00000	.00000	.0010	2.00	118.7
184	-1.21	.0064	.00000	.00000	.0010	2.00	118.6
185	-.58	.0108	.00000	.00000	.0010	2.00	118.5
186	.69	.0155	.00000	.00000	.0010	2.00	118.5
187	.69	.0219	.00000	.00000	.0010	2.01	118.4
188	1.31	.0286	.00000	.00000	.0010	2.00	118.6
189	1.94	.0362	.00000	.00000	.0010	2.00	118.7
190	2.56	.0452	.00000	.00000	.0010	2.00	118.7
191	3.19	.0537	.00000	.00000	.0010	2.01	118.6
192	3.77	.0643	.00000	.00000	.0010	2.00	118.9
193	4.52	.0809	.00000	.00000	.0010	2.01	118.5
194	5.19	.0988	.00000	.00000	.0010	2.00	118.5
195	5.88	.1170	.00000	.00000	.0010	2.00	118.5
196	.71	.0230	.00000	.00000	.0010	2.01	118.5
197	6.65	.1415	.00000	.00000	.0010	2.01	118.5
198	7.29	.1606	.00000	.00000	.0010	2.00	118.5
199	8.10	.1982	.00000	.00000	.0010	2.00	118.6
200	.75	.0239	.00000	.00000	.0010	2.01	118.6

TEST 40A	RUN 61	MACH .900	CONFIG. 8										
POINT	MINF	Q	DELTA	ALPHA	CM	CA	CH	CDALL	CVAM	CSIDE	CL	CD	L/D
17	.901	357.02	-.04	-6.05	-.1219	.01470	-.0156	.0068	.0001	.0009	-.1197	.02566	-6.66
18	.903	358.61	-.04	-6.61	-.0597	.01651	-.0091	.0068	.0002	.0003	-.0582	.01943	-2.99
19	.900	357.10	-.04	-3.85	-.0271	.01722	-.0058	.0009	.0002	.0001	-.0259	.01720	-1.50
20	.899	356.96	-.04	-3.16	.0035	.01790	-.0024	.0009	.0002	-.0001	.0045	.01586	-.28
21	.899	356.96	-.04	-2.41	.0370	.01847	-.0010	.0009	.0002	-.0002	.0377	.01516	2.50
22	.900	357.32	-.04	-1.70	.0658	.01883	-.0037	.0008	.0002	-.0002	.0663	.01567	4.40
23	.900	356.92	-.04	-.95	.0974	.01897	-.0044	.0007	.0002	-.0003	.0979	.01554	6.30
24	.899	356.63	-.04	-.29	.1236	.01889	-.0042	.0007	.0002	-.0002	.1235	.01647	7.50
25	.899	356.06	-.04	.45	.1531	.01854	-.0121	.0006	.0002	-.0003	.1530	.01700	8.52
26	.899	355.90	-.04	1.12	.1787	.01802	-.0145	.0005	.0002	-.0004	.1783	.01790	9.05
27	.900	357.24	-.04	1.85	.2000	.01716	-.0171	.0008	.0002	-.0003	.2002	.02211	9.42
28	.900	356.98	-.04	2.54	.2354	.01632	-.0193	.0009	.0002	-.0003	.2344	.02496	9.39
29	.899	356.69	-.04	3.29	.2667	.01548	-.0220	.0010	.0002	-.0002	.2653	.02894	9.17
30	.899	356.69	-.04	4.03	.2989	.01482	-.0249	.0012	.0006	-.0004	.2971	.03390	8.74
31	.899	356.63	-.04	4.82	.3374	.01453	-.0282	.0012	.0011	-.0010	.3350	.04172	8.17
32	.899	356.66	-.04	6.49	.4291	.01543	-.0375	.0019	-.0002	-.0005	.4245	.04243	6.80
33	.898	356.65	-.04	7.33	.4720	.01699	-.0406	.0011	-.0002	-.0005	.4667	.04736	6.19
34	.900	356.93	-.04	8.24	.5216	.01863	-.0419	.0011	-.0003	-.0006	.5134	.04942	5.62
35	.902	357.21	-.04	9.21	.5682	.02077	-.0409	.0010	-.0003	-.0015	.5575	.04960	5.09
36	.900	356.98	-.04	1.17	.1834	.01799	-.0148	.0008	.0002	-.0005	.1830	.01992	9.19

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
17	-6.75	.0143	.00035	.00080	.0010	2.00	120.1
18	-6.61	.0136	.00036	.00080	.0010	2.00	120.6
19	-3.85	.0007	.00033	.00040	.0010	2.00	119.0
20	-3.16	.0000	.00033	.00040	.0010	2.01	118.7
21	-2.41	.0014	.00033	.00040	.0010	2.01	118.6
22	-1.70	.0044	.00033	.00040	.0010	2.01	118.6
23	-.95	.0096	.00035	.00040	.0010	2.00	118.9
24	-.29	.0152	.00036	.00040	.0010	2.00	119.0
25	.45	.0234	.00036	.00040	.0010	2.00	119.0
26	1.12	.0318	.00037	.00040	.0010	2.00	119.9
27	1.85	.0433	.00039	.00040	.0010	2.00	118.9
28	2.54	.0549	.00040	.00040	.0010	2.00	118.7
29	3.29	.0704	.00040	.00040	.0010	2.00	118.6
30	4.03	.0883	.00040	.00040	.0010	2.00	118.6
31	4.82	.1122	.00040	.00040	.0010	2.01	118.6
32	6.49	.1802	.00040	.00040	.0010	2.00	118.7
33	7.33	.2178	.00040	.00040	.0010	2.00	118.7
34	8.24	.2638	.00040	.00040	.0010	2.00	118.9
35	9.21	.3170	.00040	.00040	.0010	2.01	118.5
36	1.17	.0335	.00040	.00040	.0010	2.00	118.9

TEST 40A	RUN 61	MACH .950	CONFIG. 8										
POINT	MINF	Q	DELTA	ALPHA	CM	CA	CH	CDALL	CVAM	CSIDE	CL	CD	L/D
37	.951	370.15	-.04	-6.08	-.1231	.01505	-.0162	.0007	.0001	.0001	-.1270	.02631	-6.59
38	.950	369.22	-.04	-4.59	-.0555	.01693	-.0088	.0009	.0002	-.0003	-.0540	.01951	-2.75
39	.950	369.31	-.04	-3.86	-.0231	.01769	-.0049	.0005	.0002	-.0003	-.0219	.01749	-1.25
40	.950	369.34	-.04	-3.13	.0089	.01837	-.0011	.0005	.0002	-.0003	.0099	.01610	.61
41	.950	369.44	-.04	-2.37	.0432	.01903	-.0028	.0009	.0002	-.0003	.0440	.01552	2.83
42	.950	369.47	-.04	-1.66	.0733	.01937	-.0042	.0008	.0002	-.0003	.0739	.01554	4.75
43	.950	369.45	-.04	-.96	.1013	.01954	-.0049	.0008	.0002	-.0003	.1014	.01614	6.29
44	.949	369.29	-.04	-.22	.1330	.01936	-.0049	.0007	.0001	-.0006	.1331	.01716	7.76
45	.949	369.47	-.04	.46	.1604	.01911	-.0063	.0006	.0002	-.0009	.1604	.01870	8.54
46	.950	369.17	-.04	1.15	.1856	.01864	-.0089	.0008	.0002	-.0007	.1851	.02067	8.94
47	.950	369.17	-.04	1.87	.2162	.01795	-.0089	.0007	.0002	-.0007	.2155	.02329	9.25
48	.950	369.25	-.04	2.61	.2464	.01720	-.0089	.0006	.0002	-.0005	.2454	.02669	9.19
49	.950	369.30	-.04	3.33	.2768	.01645	-.0081	.0006	.0001	-.0007	.2754	.03082	8.94
50	.949	368.76	-.04	4.08	.3112	.01592	-.0082	.0006	.0001	-.0007	.3092	.03631	8.52
51	.950	369.53	-.04	4.86	.3462	.01506	-.0086	.0006	.0001	-.0007	.3435	.04346	7.91
52	.950	369.44	-.04	5.67	.3924	.01645	-.0081	.0009	.0002	-.0005	.3888	.05366	7.27
53	.950	369.53	-.04	6.53	.4385	.01748	-.0087	.0009	-.0004	-.0006	.4337	.06555	6.62
54	.949	369.11	-.04	7.44	.4847	.01891	-.0087	.0010	-.0003	-.0007	.4742	.07979	5.94
55	.951	369.69	-.04	8.79	.5558	.02176	-.0091	.0011	-.0004	-.0009	.5440	.09472	5.00
56	.950	369.23	-.04	1.16	.1843	.01856	-.0082	.0006	.0002	-.0007	.1840	.02076	9.17

POINT	ALPHA	CLSQ	CDL	CDR	CDI	R/FT	TEMP
37	-6.08	.0146	.00025	.00070	.0010	2.01	119.0
38	-4.59	.0029	.00046	.00070	.0010	2.00	119.9
39	-3.86	.0005	.00023	.00070	.0010	2.01	118.6
40	-3.13	.0001	.00023	.00070	.0010	2.01	118.6
41	-2.37	.0019	.00026	.00070	.0010	2.01	118.7
42	-1.66	.0089	.00025	.00070	.0010	2.00	118.9
43	-.96	.0163	.00026	.00070	.0010	2.01	118.7
44	-.22	.0277	.00027	.00070	.0010	2.00	118.9
45	.46	.0297	.00028	.00070	.0010	2.00	118.7
46	1.15	.0343	.00029	.00070	.0010	2.00	118.7
47	1.87	.0464	.00030	.00070	.0010	2.00	118.7
48	2.61	.0602	.00033	.00070	.0010	2.00	118.9
49	3.33	.0759	.00035	.00070	.0010	2.00	118.9
50	4.08	.0936	.00038	.00070	.0010	2.00	118.9
51	4.86	.1180	.00041	.00070	.0010	2.01	118.9
52	5.67	.1512	.00041	.00070	.0010	2.01	118.6
53	6.53	.1881	.00042	.00070	.0010	2.01	118.9
54	7.44	.2287	.00047	.00070	.0010	2.00	118.9
55	8.79	.2981	.00051	.00070	.0010	2.01	118.9
56	1.16	.0357	.00028	.00070	.0010	2.00	118.9

ORIGINAL PAGE IS OF POOR QUALITY

TEST 48A		RUN 62		MACH 1.200		CONFIG. 8							
POINT	QINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSDIE	CL	CO	L/D
57	1.200	417.10	-0.01	-6.10	-1348	.31661	.0239	.0007	.0000	-.0002	-.1322	.02791	-4.74
58	1.202	418.30	-0.00	-4.59	-0624	.01916	.0137	.0007	.0004	-.0008	-.0406	.02099	-2.89
59	1.201	417.84	-0.00	-3.83	-.0321	.02004	.0094	.0007	.0004	-.0009	-.0307	.01964	-1.61
60	1.202	417.72	-0.00	-3.10	.0006	.02090	.0047	.0008	.0004	-.0008	.0017	.01774	.10
61	1.201	417.45	-0.00	-2.37	.0319	.02162	.0005	.0008	.0003	-.0008	.0320	.01718	1.91
62	1.201	417.59	-0.00	-1.64	.0636	.02221	-.0042	.0009	.0003	-.0009	.0642	.01728	3.71
63	1.200	417.47	-0.00	-.91	.0940	.02244	-.0085	.0009	.0003	-.0009	.0943	.01785	5.29
64	1.201	417.69	-0.00	-.17	.1255	.02249	-.0132	.0008	.0003	-.0010	.1256	.01903	6.60
65	1.201	417.77	-0.00	.53	.1536	.02238	-.0177	.0008	.0003	-.0009	.1533	.02071	7.41
66	1.201	417.82	-0.00	1.26	.1845	.02206	-.0225	.0007	.0002	-.0009	.1846	.02301	8.00
67	1.201	417.59	-0.00	1.93	.2089	.02159	-.0261	.0007	.0002	-.0008	.2088	.02550	8.16
68	1.201	417.48	-0.00	2.68	.2433	.02167	-.0311	.0008	.0002	-.0008	.2425	.02932	8.25
69	1.201	417.66	-0.00	3.47	.2783	.02067	-.0360	.0009	.0002	-.0007	.2765	.03365	8.05
70	1.201	417.81	-0.00	4.23	.3131	.02044	-.0411	.0010	.0002	-.0008	.3107	.03789	7.69
71	1.200	417.81	-0.00	5.00	.3486	.02047	-.0463	.0011	.0002	-.0005	.3455	.04178	7.25
72	1.200	417.53	-0.01	5.83	.3881	.02126	-.0495	.0011	-.0003	-.0002	.3843	.04578	6.69
73	1.200	417.34	-0.01	6.75	.4372	.02288	-.0556	.0009	-.0005	-.0000	.4315	.04911	6.08
74	1.200	417.42	-0.01	7.57	.4778	.02423	-.0588	.0009	-.0005	-.0000	.4704	.05305	5.61
75	1.201	417.53	-0.01	7.79	.4860	.02451	-.0588	.0011	-.0005	-.0000	.4781	.05708	5.49
76	1.201	417.53	-0.00	1.28	.1861	.02198	-.0225	.0007	.0003	-.0009	.1855	.02304	4.05

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
57	-6.15	.0175	.00116	.00210	.0010	2.01	118.6
58	-4.59	.0037	.00010	.00211	.0010	2.01	118.7
59	-3.83	.0009	.00112	.00211	.0010	2.01	118.6
60	-3.10	.0000	.00111	.00211	.0010	2.01	118.6
61	-2.37	.0011	.00110	.00211	.0010	2.01	118.6
62	-1.64	.0041	.00111	.00211	.0010	2.01	118.7
63	-.91	.0085	.00113	.00211	.0010	2.01	118.7
64	-.17	.0158	.00110	.00210	.0010	2.01	118.5
65	.53	.0235	.00119	.00210	.0010	2.01	118.5
66	1.26	.0339	.00123	.00211	.0010	2.01	118.6
67	1.93	.0433	.00130	.00211	.0010	2.01	118.6
68	2.68	.0586	.00135	.00210	.0010	2.01	118.6
69	3.47	.0765	.00135	.00211	.0010	2.01	118.7
70	4.23	.0965	.00139	.00211	.0010	2.01	118.7
71	5.00	.1193	.00141	.00211	.0010	2.01	118.6
72	5.83	.1474	.00143	.00210	.0010	2.01	118.6
73	6.75	.1962	.00143	.00210	.0010	2.01	118.6
74	7.57	.2213	.00149	.00210	.0010	2.01	118.6
75	7.79	.2286	.00149	.00210	.0010	2.01	118.7
76	1.28	.0344	.00147	.00210	.0010	2.01	118.6

TEST 48A		RUN 63		MACH .600		CONFIG. 8							
POINT	QINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSDIE	CL	CO	L/D
77	.000	263.72	-0.00	-5.84	-1118	.01484	.0127	.0004	.0001	.0001	-.1097	.02438	-4.61
78	.001	264.37	-0.00	-4.45	-1047	.01074	.0090	.0006	.0001	-.0005	-.0457	.01855	-2.67
79	.000	263.91	-0.00	-3.82	-.3241	.01773	.0059	.0007	.0002	-.0005	-.0229	.01700	-1.35
80	.000	263.97	-0.00	-3.15	.0016	.01773	.0038	.0005	.0001	-.0005	.0024	.01541	.14
81	.000	263.98	-0.00	-2.52	.0285	.01812	.0019	.0006	.0002	-.0009	.0229	.01543	1.44
82	.001	264.37	-0.00	-1.87	.0538	.01945	.0002	.0006	.0002	-.0007	.0544	.01486	1.68
83	.001	264.46	-0.00	-1.22	.0785	.01949	-.0012	.0005	.0002	-.0009	.0744	.01500	1.28
84	.001	264.54	-0.00	-.57	.1030	.01842	-.0030	.0005	.0002	-.0009	.1032	.01580	0.82
85	.001	264.49	-0.00	.05	.1255	.01819	-.0044	.0006	.0002	-.0006	.1255	.01649	0.41
86	.001	264.45	-0.00	.63	.1499	.01782	-.0059	.0005	.0002	-.0009	.1495	.01777	0.01
87	.001	264.43	-0.00	1.31	.1697	.01715	-.0072	.0004	.0002	-.0009	.1693	.01888	0.71
88	.001	264.21	-0.00	1.95	.1916	.01641	-.0083	.0005	.0002	-.0009	.1909	.02110	0.05
89	.001	264.45	-0.00	2.57	.2125	.01554	-.0092	.0007	.0002	-.0009	.2115	.02324	0.11
90	.001	264.34	-0.00	3.24	.2393	.01485	-.0106	.0008	.0002	-.0011	.2391	.02575	0.03
91	.000	263.71	-0.00	3.89	.2664	.01388	-.0118	.0008	.0001	-.0010	.2659	.02869	0.75
92	.000	264.21	-0.01	4.51	.2920	.01323	-.0133	.0006	.0001	-.0010	.2907	.03165	0.36
93	.001	264.45	-0.01	5.21	.3191	.01281	-.0149	.0008	.0003	-.0010	.3169	.03466	0.04
94	.001	264.37	-0.01	5.94	.3552	.01240	-.0173	.0007	.0002	-.0010	.3519	.03770	0.04
95	.599	263.44	-0.01	6.64	.3926	.01321	-.0186	.0007	-.0001	-.0014	.3894	.04069	0.01
96	.001	263.88	-0.01	7.44	.4283	.01372	-.0219	.0005	-.0005	-.0015	.4230	.04304	0.00
97	.001	264.21	-0.01	8.19	.4677	.01436	-.0249	.0004	-.0001	-.0017	.4617	.04582	0.43
98	.001	264.21	-0.01	8.91	.5020	.01516	-.0282	.0004	-.0003	-.0019	.4536	.04901	0.49
99	.001	264.62	-0.01	9.72	.5428	.01571	-.0318	.0002	-.0001	-.0029	.4321	.05134	0.01
100	.572	264.33	-0.01	10.53	.5894	.01705	-.0389	.0002	.0001	-.0039	.4760	.05465	0.02
101	.001	264.52	-0.00	.64	.1465	.01785	-.0058	.0005	.0002	-.0009	.1463	.01778	4.23

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
77	-5.84	.0120	.00038	.00081	.0010	2.01	117.9
78	-4.45	.0021	.00039	.00081	.0010	2.01	118.6
79	-3.82	.0005	.00038	.00081	.0010	2.00	118.9
80	-3.15	.0000	.00038	.00081	.0010	2.00	119.1
81	-2.52	.0009	.00039	.00081	.0010	2.00	119.1
82	-1.87	.0030	.00039	.00081	.0010	2.01	118.7
83	-1.22	.0062	.00041	.00081	.0010	2.01	118.5
84	-.57	.0107	.00041	.00081	.0010	2.01	118.4
85	.05	.0157	.00042	.00081	.0010	2.01	118.2
86	.69	.0215	.00042	.00081	.0010	2.01	118.2
87	1.33	.0297	.00045	.00081	.0010	2.01	118.5
88	1.95	.0364	.00047	.00081	.0010	2.01	118.6
89	2.57	.0448	.00048	.00081	.0010	2.01	118.7
90	3.24	.0507	.00049	.00081	.0010	2.01	118.7
91	3.86	.0670	.00052	.00081	.0010	2.00	118.7
92	4.51	.0841	.00052	.00081	.0010	2.01	118.7
93	5.21	.1002	.00053	.00081	.0010	2.01	118.7
94	5.94	.1239	.00054	.00081	.0010	2.01	118.6
95	6.69	.1508	.00053	.00081	.0010	2.00	118.5
96	7.41	.1789	.00053	.00081	.0010	2.01	118.4
97	8.16	.2125	.00053	.00081	.0010	2.01	118.4
98	8.91	.2437	.00057	.00081	.0010	2.01	118.4
99	9.72	.2832	.00059	.00081	.0010	2.01	118.5
100	10.53	.3317	.00058	.00081	.0010	2.01	118.7
101	.64	.0214	.00044	.00081	.0010	2.01	118.5

TEST 001		RUN 00		MACH .950		CONFIG. 9							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CHOLL	CYAN	CSIDE	CL	CD	L/D
29	.951	369.99	-.01	-5.01	-.1037	.61223	.0196	.0006	.0002	-.0006	-.1027	.02198	-4.86
30	.951	376.17	-.00	-4.36	-.0397	.01451	.0119	.0007	.0003	-.0001	-.0386	.01379	-2.43
31	.951	376.17	-.00	-3.64	-.0082	.01546	.0082	.0008	.0002	-.0002	-.0072	.01425	-.50
32	.951	369.83	-.00	-2.88	.0280	.01653	.0035	.0008	.0002	-.0002	.0288	.01341	2.15
33	.952	370.34	-.00	-2.19	.0547	.01708	-.0001	.0009	.0002	-.0003	.0553	.01326	4.16
34	.950	369.81	-.00	-1.52	.0821	.01750	-.0038	.0009	.0002	-.0004	.0825	.01362	6.06
35	.951	369.98	.00	-.01	.1124	.01771	-.0077	.0007	.0002	-.0007	.1126	.01443	7.81
36	.951	371.32	.00	-.07	.1420	.01763	-.0114	.0007	.0002	-.0005	.1420	.01596	9.90
37	.951	369.94	.00	.57	.1653	.01767	-.0139	.0006	.0002	-.0007	.1651	.01761	9.37
38	.951	369.95	.00	1.33	.1905	.01771	-.0174	.0007	.0001	-.0006	.1906	.02.62	9.65
39	.951	359.93	.00	2.12	.2384	.01418	-.0217	.0010	-.0001	-.0004	.2375	.02529	9.39
40	.951	294.46	.00	2.94	.2786	.01892	-.0262	.0010	.0002	-.0009	.2773	.03147	8.81
41	.950	369.79	.00	3.76	.3152	.01958	-.0291	.0010	.0001	-.0011	.3133	.03821	8.21
42	.950	369.85	.00	4.58	.3617	.02111	-.0321	.0016	-.0000	-.0015	.3589	.04422	7.44
43	.950	369.49	.00	5.49	.4085	.02284	-.0344	.0017	-.0001	-.0017	.4044	.04812	6.73
44	.951	370.30	.00	6.41	.4539	.02470	-.0358	.0016	-.0000	-.0018	.4483	.07354	6.17
45	.951	371.14	.00	7.33	.5009	.02687	-.0368	.0021	-.0001	-.0016	.4926	.08845	5.55
46	.950	359.78	.00	8.09	.5419	.02882	-.0384	.0022	-.0001	-.0018	.5325	.10311	5.16
47	.951	376.79	.00	1.38	-.2977	.01791	-.0181	.0008	.0001	-.0007	.2072	.02122	9.77

POINT	ALPHA	CLSO	LWC	CDB	CDI	R/FT	TEMP
29	-5.01	.0104	.0000	.00070	.0010	2.01	118.7
30	-4.36	.0015	.0000	.00070	.0010	2.01	118.7
31	-3.64	.0001	.0000	.00070	.0010	2.01	118.9
32	-2.88	.0000	.0000	.00070	.0010	2.01	118.9
33	-2.19	.0031	.0000	.00070	.0010	2.01	118.9
34	-1.52	.0008	.0000	.00070	.0010	2.01	118.7
35	-.01	.0127	.0000	.00070	.0010	2.01	118.6
36	-.07	.0202	.0000	.00070	.0010	2.01	118.7
37	.57	.0273	.0000	.00070	.0010	2.01	119.7
38	1.33	.0396	.0000	.00070	.0010	2.01	119.7
39	2.12	.0504	.0000	.00070	.0010	2.01	118.7
40	2.94	.0709	.0000	.00070	.0010	2.01	119.7
41	3.76	.0901	.0000	.00070	.0010	2.01	118.7
42	4.58	.1039	.0000	.00070	.0010	2.01	118.7
43	5.49	.1036	.0000	.00070	.0010	2.01	118.7
44	6.41	.2039	.0000	.00070	.0010	2.01	118.7
45	7.33	.2434	.0000	.00070	.0010	2.01	118.7
46	8.09	.2835	.0000	.00070	.0010	2.01	118.6
47	1.38	.0029	.0000	.00070	.0010	2.01	118.7

TEST 001		RUN 07		MACH 1.200		CONFIG. 0							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CHOLL	CYAN	CSIDE	CL	CD	L/D
48	1.200	417.47	-.00	-5.76	-.1045	.01433	.0255	.0000	.0004	-.0002	-.1026	.02165	-4.74
49	1.201	417.51	-.00	-4.32	-.0448	.01673	.0167	.0000	.0003	-.0004	-.0434	.01646	-2.50
50	1.201	417.53	-.00	-3.55	-.0104	.01796	.0115	.0000	.0004	-.0009	-.0093	.01547	-.60
51	1.200	417.47	-.00	-2.84	.0194	.01889	.0069	.0000	.0003	-.0007	.0207	.01490	1.37
52	1.201	417.48	.00	-2.15	.0464	.01952	.0020	.0007	.0004	-.0010	.0471	.01467	3.21
53	1.201	417.56	.00	-1.45	.0759	.02009	-.0021	.0007	.0003	-.0010	.0764	.01507	5.07
54	1.202	417.54	.00	-.75	.1035	.02039	-.0064	.0007	.0003	-.0009	.1037	.01593	6.91
55	1.201	417.59	.00	-.04	.1320	.02057	-.0113	.0007	.0003	-.0009	.1321	.01738	7.67
56	1.200	417.50	.00	.66	.1588	.02059	-.0150	.0007	.0003	-.0009	.1585	.01932	8.21
57	1.201	417.43	.00	1.46	.1962	.02085	-.0203	.0007	.0001	-.0007	.1956	.02274	8.81
58	1.201	417.56	.00	2.21	.2337	.02159	-.0257	.0008	.0000	-.0007	.2327	.02744	9.44
59	1.200	417.31	.00	3.00	.2702	.02252	-.0309	.0009	.0001	-.0009	.2686	.03351	8.02
60	1.201	417.49	.00	3.82	.3105	.02355	-.0358	.0010	-.0001	-.0010	.3082	.04108	7.50
61	1.200	417.45	.00	4.67	.3527	.02493	-.0401	.0010	-.0001	-.0010	.3495	.05043	6.93
62	1.200	417.32	.00	5.55	.3960	.02651	-.0447	.0011	-.0003	-.0014	.3915	.06154	6.36
63	1.200	417.39	.00	6.46	.4400	.02829	-.0472	.0010	-.0004	-.0013	.4360	.07451	5.83
64	1.199	417.38	.00	7.40	.4915	.03075	-.0492	.0011	-.0005	-.0014	.4833	.09116	5.30
65	1.201	417.61	.00	1.50	-.2021	.02101	-.0210	.0007	.0001	-.0009	.2014	.02318	9.69

POINT	ALPHA	CLSO	LWC	CDB	CDI	R/FT	TEMP
48	-5.76	.0105	.0000	.00210	.0010	2.01	114.9
49	-4.32	.0019	.0000	.00210	.0010	2.01	118.4
50	-3.55	.0001	.0000	.00210	.0010	2.01	118.7
51	-2.84	.0004	.0000	.00210	.0010	2.01	119.7
52	-2.15	.0022	.0000	.00210	.0010	2.01	118.7
53	-1.45	.0058	.0000	.00210	.0010	2.01	118.7
54	-.75	.0109	.0000	.00210	.0010	2.01	118.7
55	-.04	.0174	.0000	.00210	.0010	2.01	118.7
56	.66	.0251	.0000	.00210	.0010	2.01	118.7
57	1.46	.0382	.0000	.00210	.0010	2.01	118.6
58	2.21	.0542	.0000	.00210	.0010	2.01	118.7
59	3.00	.0722	.0000	.00210	.0010	2.01	118.6
60	3.82	.0950	.0000	.00210	.0010	2.01	118.7
61	4.67	.1221	.0000	.00210	.0010	2.01	118.7
62	5.55	.1533	.0000	.00210	.0010	2.01	118.7
63	6.46	.1884	.0000	.00210	.0010	2.01	118.6
64	7.40	.2336	.0000	.00210	.0010	2.01	118.7
65	1.50	.0000	.0000	.00210	.0010	2.01	118.7

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TEST 40A RUN 68 MACH 1.000 CONFIG. 9

POINT	WAVE	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
66	1.000	380.99	-0.01	-5.80	-1.024	.61443	.0200	.0006	.0002	.0002	-.1004	.02259	-4.44
67	1.000	381.55	-0.01	-4.35	-.0398	.01650	.0125	.0007	.0002	-.0003	-.0385	.01745	-2.20
68	1.000	381.00	-0.01	-3.59	-.0056	.01760	.0082	.0008	.0002	-.0004	-.0045	.01582	-1.29
69	1.000	380.99	-0.01	-2.89	.0237	.01830	.0044	.0008	.0001	-.0002	.0246	.01498	1.64
70	1.000	380.85	-0.01	-2.15	-.0550	.01800	-.0000	.0004	.0001	-.0005	.0557	.01470	3.79
71	1.000	380.85	-0.01	-1.51	.0809	.01926	-.0040	.0009	.0001	-.0005	.0814	.01502	5.42
72	1.000	380.85	-0.01	-.77	.1114	.01951	-.0081	.0009	.0002	-.0007	.1117	.01592	7.02
73	1.000	380.95	-0.01	-.11	.1383	.01966	-.0116	.0009	.0001	-.0008	.1384	.01730	8.00
74	1.000	380.90	-0.01	.61	.1678	.01961	-.0152	.0008	.0001	-.0008	.1676	.01929	8.69
75	1.000	380.90	-0.01	1.34	.1978	.01958	-.0184	.0009	.0001	-.0007	.1973	.02210	8.93
76	1.000	380.84	-0.01	2.13	.2366	.02006	-.0227	.0012	-.0002	-.0003	.2357	.02673	8.82
77	1.000	380.94	-0.01	2.92	.2733	.02078	-.0272	.0011	.0000	-.0009	.2719	.03256	8.35
78	1.000	380.84	-0.01	3.74	.3174	.02184	-.0316	.0013	-.0000	-.0011	.3153	.04038	7.81
79	1.000	380.84	-0.02	4.63	.3618	.02316	-.0350	.0015	-.0002	-.0013	.3588	.05016	7.15
80	1.000	380.81	-0.02	5.49	.4064	.02484	-.0376	.0015	-.0003	-.0016	.4022	.06149	6.54
81	1.000	380.85	-0.02	6.41	.4529	.02667	-.0401	.0020	-.0002	-.0019	.4471	.07500	5.96
82	1.000	380.82	-0.02	7.29	.4974	.02872	-.0421	.0019	-.0002	-.0022	.4898	.08951	5.47
83	1.000	379.95	-0.02	7.94	.5398	.03058	-.0438	.0020	-.0001	-.0021	.5244	.10220	5.15
84	1.000	380.85	-0.02	1.39	.2041	.01968	-.0190	.0009	.0000	-.0006	.2035	.02251	9.04

POINT	ALPHA	CLSO	CDL	COB	CDI	R/FT	TEMP
66	-5.80	.0101	.00000	.00110	.0010	2.01	118.5
67	-4.35	.0015	.00000	.00110	.0010	2.01	118.5
68	-3.59	.0000	.00000	.00110	.0010	2.01	118.6
69	-2.89	.0000	.00000	.00110	.0010	2.01	118.7
70	-2.15	.0031	.00000	.00110	.0010	2.01	118.6
71	-1.51	.0066	.00000	.00110	.0010	2.01	118.6
72	-.77	.0125	.00000	.00110	.0010	2.01	118.7
73	-.11	.0191	.00000	.00110	.0010	2.01	118.6
74	.61	.0281	.00000	.00110	.0010	2.01	118.7
75	1.34	.0389	.00000	.00110	.0010	2.01	118.7
76	2.13	.0555	.00000	.00110	.0010	2.01	118.6
77	2.92	.0739	.00000	.00110	.0010	2.01	118.7
78	3.74	.0994	.00000	.00110	.0010	2.01	118.6
79	4.63	.1287	.00000	.00110	.0010	2.01	118.6
80	5.49	.1617	.00000	.00110	.0010	2.01	118.7
81	6.41	.1999	.00000	.00110	.0010	2.01	118.5
82	7.29	.2399	.00000	.00110	.0010	2.01	118.5
83	7.94	.2771	.00000	.00110	.0010	2.01	118.5
84	1.39	.0016	.00000	.00110	.0010	2.01	118.7

TEST 40A RUN 69 MACH .975 CONFIG. 9

POINT	WAVE	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
85	1.000	375.36	-0.01	-5.82	-1.007	.61302	.0194	.0006	.0003	.0003	-.1004	.02146	-4.41
86	1.000	376.32	-0.01	-4.32	-.0350	.01544	.0115	.0007	.0003	-.0003	-.0337	.01533	-2.20
87	1.000	375.12	-0.01	-3.61	-.0056	.01619	.0079	.0008	.0002	-.0003	-.0047	.01476	-1.27
88	1.000	375.73	-0.01	-2.92	.0214	.01693	.0042	.0008	.0002	-.0007	.0223	.01427	1.64
89	1.000	375.83	-0.01	-2.20	-.0550	.01752	-.0001	.0008	.0002	-.0005	.0536	.01377	3.79
90	1.000	375.83	-0.01	-1.54	.0775	.01781	-.0035	.0009	.0002	-.0007	.0780	.01402	5.42
91	1.000	375.80	-0.01	-.82	.1106	.01826	-.0080	.0009	.0001	-.0008	.1109	.01499	7.02
92	1.000	375.12	-0.01	-.10	.1380	.01833	-.0115	.0007	.0002	-.0008	.1381	.01636	8.00
93	1.000	375.85	-0.01	.65	.1692	.01835	-.0150	.0008	.0001	-.0008	.1690	.01835	8.69
94	1.000	376.10	-0.01	1.32	.1971	.01834	-.0180	.0008	.0001	-.0008	.1966	.02117	8.93
95	1.000	375.85	-0.01	2.10	.2358	.01885	-.0220	.0012	-.0001	-.0009	.2349	.02578	7.81
96	1.000	375.87	-0.01	2.90	.2741	.01950	-.0261	.0012	.0000	-.0010	.2727	.03165	7.15
97	1.000	375.89	-0.01	3.72	.3155	.02037	-.0301	.0012	.0001	-.0010	.3135	.03938	6.54
98	1.000	376.15	-0.01	4.62	.3620	.02195	-.0340	.0016	-.0001	-.0010	.3590	.04935	5.96
99	1.000	375.94	-0.01	5.49	.4093	.02369	-.0363	.0018	-.0001	-.0010	.4051	.06139	5.47
100	1.000	375.94	-0.02	6.37	.4467	.02524	-.0374	.0017	-.0001	-.0010	.4411	.07292	4.96
101	1.000	375.65	-0.01	7.37	.4831	.02794	-.0388	.0021	-.0001	-.0010	.4784	.08646	4.47
102	1.000	375.50	-0.01	8.04	.5408	.02974	-.0407	.0021	.0002	-.0010	.5319	.10339	3.97
103	1.000	376.21	-0.01	1.39	.2040	.01848	-.0195	.0010	.0001	-.0007	.2035	.02174	9.04

POINT	ALPHA	CLSO	CDL	COB	CDI	R/FT	TEMP
85	-5.82	.0098	.00000	.00170	.0010	2.01	118.7
86	-4.32	.0011	.00000	.00170	.0010	2.01	118.7
87	-3.61	.0000	.00000	.00170	.0010	2.01	118.7
88	-2.92	.0005	.00000	.00170	.0010	2.01	118.6
89	-2.20	.0029	.00000	.00170	.0010	2.01	118.5
90	-1.54	.0061	.00000	.00170	.0010	2.01	118.6
91	-.82	.0123	.00000	.00170	.0010	2.01	118.6
92	-.10	.0191	.00000	.00170	.0010	2.01	118.6
93	.65	.0286	.00000	.00170	.0010	2.01	118.6
94	1.32	.0387	.00000	.00170	.0010	2.01	118.6
95	2.10	.0552	.00000	.00170	.0010	2.01	118.6
96	2.90	.0744	.00000	.00170	.0010	2.01	118.6
97	3.72	.0983	.00000	.00170	.0010	2.01	118.6
98	4.62	.1289	.00000	.00170	.0010	2.01	118.6
99	5.49	.1641	.00000	.00170	.0010	2.01	118.6
100	6.37	.1946	.00000	.00170	.0010	2.01	118.6
101	7.37	.2456	.00000	.00170	.0010	2.01	118.6
102	8.04	.2823	.00000	.00170	.0010	2.01	118.7
103	1.39	.0016	.00000	.00170	.0010	2.01	118.6

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 40A	KUM 70	MACH .900	CONFIG.	9									
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CRULL	CYAM	CSSOE	CL	CO	L/D
104	.900	357.40	-.00	-5.77	-.0980	.01217	-.0186	.0007	.0003	-.0002	-.0972	.02025	-4.80
105	.900	356.92	-.00	-4.35	-.0130	.01443	-.0113	.0017	.0002	-.0003	-.0918	.01523	-2.09
106	.900	356.86	-.00	-3.83	-.0086	.01532	-.0085	.0008	.0003	-.0004	-.0076	.01403	-1.54
107	.900	357.03	.00	-2.90	.0257	.01636	-.0046	.0007	.0002	-.0006	.0265	.01324	2.00
108	.899	356.68	.00	-2.20	.0524	.01663	-.0015	.0006	.0003	-.0010	.0530	.01306	4.06
109	.898	356.02	.00	-1.52	.0782	.01724	-.0016	.0007	.0002	-.0008	.0786	.01336	5.98
110	.891	357.34	.00	-.85	.1052	.01750	-.0046	.0007	.0002	-.0007	.1055	.01415	7.45
111	.899	356.74	.00	-1.11	.1350	.01746	-.0076	.0006	.0002	-.0008	.1357	.01546	8.77
112	.899	356.50	.00	.59	.1640	.01726	-.0102	.0006	.0002	-.0009	.1634	.01716	9.54
113	.900	357.21	.01	1.31	.1931	.01724	-.0126	.0007	.0002	-.0011	.1927	.01905	9.70
114	.900	357.33	.01	2.12	.2368	.01752	-.0159	.0006	-.0004	-.0009	.2300	.02425	9.48
115	.900	356.92	.01	2.88	.2675	.01805	-.0192	.0016	.0006	-.0010	.2662	.02968	8.97
116	.899	356.74	.01	3.65	.3033	.01861	-.0224	.0012	.0001	-.0014	.3015	.03606	8.36
117	.900	356.86	.01	4.57	.3526	.02016	-.0268	.0017	-.0005	-.0018	.3458	.04632	7.55
118	.898	356.32	.02	5.37	.3914	.02141	-.0267	.0017	-.0006	-.0021	.3877	.05612	6.91
119	.899	356.56	.02	6.31	.4417	.02329	-.0277	.0016	-.0006	-.0021	.4365	.06991	6.24
120	.900	356.92	.01	7.21	.4890	.02541	-.0294	.0019	-.0006	-.0016	.4819	.08800	5.68
121	.901	357.39	.01	7.97	.5264	.02709	-.0311	.0021	-.0006	-.0018	.5176	.09802	5.28
122	.902	357.76	.01	1.38	.2020	-.01746	-.0136	.0008	.0001	-.0008	.2015	.02051	9.83

POINT	ALPHA	CLSQ	LDL	COB	COI	R/FT	TEMP
104	-5.77	.0096	.00033	.00080	.0010	2.01	118.1
105	-4.35	.0010	.00030	.00080	.0010	2.01	118.4
106	-3.83	.0031	.00033	.00080	.0010	2.00	118.6
107	-2.90	.0007	.00030	.00080	.0010	2.00	118.7
108	-2.20	.0028	.00035	.00080	.0010	2.00	118.7
109	-1.52	.0062	.00030	.00080	.0010	2.00	118.7
110	-.85	.0111	.00030	.00080	.0010	2.01	118.7
111	-1.11	.0182	.00030	.00080	.0010	2.00	118.7
112	.59	.0268	.00037	.00080	.0010	2.00	118.7
113	1.31	.0371	.00038	.00080	.0010	2.00	118.7
114	2.12	.0529	.00040	.00080	.0010	2.01	118.6
115	2.88	.0709	.00040	.00080	.0010	2.01	118.5
116	3.65	.0979	.00048	.00080	.0010	2.01	118.5
117	4.57	.1224	.00051	.00080	.0010	2.01	118.5
118	5.37	.1503	.00057	.00080	.0010	2.00	118.5
119	6.31	.1905	.00057	.00080	.0010	2.00	118.5
120	7.21	.2322	.00061	.00080	.0010	2.00	118.7
121	7.97	.2679	.00061	.00080	.0010	2.01	118.7
122	1.38	.0406	.00030	.00080	.0010	2.01	118.7

TEST 40A	KUM 71	MACH .800	CONFIG.	9									
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CRULL	CYAM	CSSOE	CL	CO	L/D
123	.800	329.67	-.00	-5.73	-.0967	.01217	-.0172	.0007	.0002	-.0002	-.0945	.01996	-4.70
124	.800	329.87	-.00	-4.34	-.0374	.01424	-.0115	.0006	.0002	-.0005	-.0862	.01827	-2.37
125	.800	329.94	-.00	-3.63	-.0069	.01529	-.0096	.0007	.0002	-.0005	-.0759	.01804	-1.43
126	.800	329.53	.00	-2.94	.0205	.01611	-.0058	.0007	.0002	-.0007	.0213	.01324	1.61
127	.800	329.60	.00	-2.26	.0490	.01672	-.0030	.0006	.0002	-.0008	.0404	.01298	3.02
128	.799	329.39	.00	-1.59	.0726	.01716	-.0005	.0007	.0002	-.0009	.0737	.01324	5.57
129	.800	329.60	.00	-.94	.0963	.01725	-.0018	.0006	.0002	-.0009	.0966	.01337	6.96
130	.799	329.26	.00	-.26	.1202	.01716	-.0039	.0006	.0002	-.0009	.1203	.01461	8.13
131	.800	329.60	.00	.42	.1463	.01705	-.0069	.0007	.0002	-.0009	.1462	.01633	9.55
132	.800	329.67	.01	1.13	.1757	.01699	-.0079	.0006	.0002	-.0011	.1754	.01835	10.66
133	.800	329.60	.01	1.87	.2066	.01694	-.0095	.0006	.0002	-.0011	.2054	.02187	11.42
134	.800	329.73	.01	2.59	.2371	.01728	-.0118	.0006	.0002	-.0013	.2361	.02517	11.72
135	.799	329.33	.01	3.37	.2759	.01777	-.0144	.0010	.0002	-.0019	.2744	.03215	11.63
136	.800	329.73	.02	4.17	.3129	.01861	-.0162	.0010	.0002	-.0021	.3107	.03957	11.07
137	.801	330.01	.02	4.95	.3492	.01959	-.0173	.0016	.0002	-.0024	.3462	.04744	10.24
138	.799	329.26	.02	5.87	.3982	.02120	-.0179	.0016	.0002	-.0023	.3924	.05607	9.47
139	.800	329.73	.01	6.71	.4424	.02295	-.0185	.0019	.0002	-.0022	.4367	.07266	8.61
140	.799	329.46	.01	7.53	.4839	.02442	-.0198	.0018	-.0002	-.0019	.4764	.08568	7.65
141	.800	329.80	.00	1.13	.1784	.01698	-.0080	.0006	.0002	-.0010	.1780	.01465	9.63

POINT	ALPHA	CLSQ	LDL	COB	COI	R/FT	TEMP
123	-5.73	.0096	.00030	.00080	.0010	2.01	118.5
124	-4.34	.0013	.00030	.00080	.0010	2.01	118.5
125	-3.63	.0006	.00030	.00080	.0010	2.01	118.6
126	-2.94	.0075	.00040	.00080	.0010	2.01	118.6
127	-2.26	.0025	.00040	.00080	.0010	2.01	118.6
128	-1.59	.0053	.00041	.00080	.0010	2.00	118.6
129	-.94	.0093	.00041	.00080	.0010	2.00	118.7
130	-.26	.0145	.00042	.00080	.0010	2.00	118.7
131	.42	.0214	.00042	.00080	.0010	2.00	118.7
132	1.13	.0308	.00044	.00080	.0010	2.00	118.7
133	1.87	.0424	.00046	.00080	.0010	2.00	118.7
134	2.59	.0557	.00048	.00080	.0010	2.01	118.6
135	3.37	.0753	.00052	.00080	.0010	2.01	118.5
136	4.17	.0968	.00053	.00080	.0010	2.01	118.5
137	4.95	.1199	.00056	.00080	.0010	2.01	118.5
138	5.87	.1552	.00059	.00080	.0010	2.00	118.5
139	6.71	.1907	.00064	.00080	.0010	2.01	118.5
140	7.53	.2271	.00064	.00080	.0010	2.01	118.5
141	1.13	.0317	.00043	.00080	.0010	2.01	118.7

ORIGINAL FILED AS  
OF POOR QUALITY



NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401 RUN 72 MACH .600 CONFIG. 9													
POINT	WIMP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D
142	.558	261.96	.000	-5.64	-.0913	.01233	.0154	.0006	.0002	-.0003	-.0896	.01943	-4.61
143	.599	263.20	.000	-4.27	-.0332	.01457	.0107	.0005	.0002	-.0004	-.0321	.01520	-2.11
144	.579	262.54	.000	-3.64	-.0082	.01526	.0087	.0006	.0002	-.0005	-.0072	.01395	-.52
145	.599	262.95	.000	-2.98	.0168	.01599	.0045	.0005	.0001	-.0006	.0176	.01329	1.33
146	.603	263.44	.000	-2.37	.0416	.01657	.0045	.0005	.0002	-.0009	.0423	.01303	3.24
147	.599	262.86	.000	-1.76	.0609	.01682	.0028	.0006	.0003	-.0011	.0614	.01315	4.67
148	.599	262.62	.000	-1.15	.0841	.01716	.0008	.0005	.0002	-.0011	.0845	.01368	6.18
149	.600	263.28	.000	-.51	.1065	.01714	-.0009	.0005	.0002	-.0010	.1067	.01444	7.41
150	.599	262.29	.000	.11	.1288	.01704	-.0024	.0005	.0001	-.0009	.1288	.01549	8.31
151	.598	262.30	.000	.75	.1518	.01691	-.0036	.0005	.0002	-.0009	.1516	.01708	9.27
152	.600	263.27	.001	1.41	.1768	.01668	-.0048	.0004	.0001	-.0011	.1764	.01924	9.17
153	.598	262.21	.001	2.10	.2024	.01647	-.0054	.0004	.0000	-.0012	.2016	.02228	9.07
154	.598	262.29	.001	2.77	.2324	.01696	-.0073	.0004	-.0006	-.0014	.2313	.02637	9.77
155	.600	263.28	.001	3.45	.2621	.01725	-.0088	.0007	.0003	-.0025	.2606	.03117	9.36
156	.598	262.46	.002	4.10	.2912	.01775	-.0099	.0010	-.0006	-.0025	.2892	.03674	7.87
157	.599	262.78	.002	4.83	.3248	.01851	-.0103	.0013	-.0001	-.0027	.3221	.04197	7.32
158	.598	262.13	.002	5.56	.3601	.01952	-.0103	.0014	-.0000	-.0028	.3565	.04522	6.79
159	.599	262.79	.001	6.32	.3999	.02072	-.0100	.0017	.0002	-.0025	.3952	.04885	6.29
160	.599	262.66	.001	7.13	.4397	.02200	-.0098	.0018	.0001	-.0021	.4336	.04759	5.81
161	.597	261.80	.001	7.93	.4806	.02344	-.0092	.0018	.0000	-.0021	.4728	.04775	5.39
162	.599	263.11	.001	8.67	.5159	.02466	-.0089	.0018	-.0001	-.0021	.5063	.04930	5.05
163	.599	263.03	.000	.79	.1574	.01698	-.0041	.0005	.0002	-.0010	.1571	.01735	9.04

POINT	ALPHA	CLSO	COL	CDB	CDI	R/FT	TEMP
142	-5.64	.0080	.00000	.00080	.0010	2.00	118.4
143	-4.27	.0010	.00001	.00080	.0010	2.00	118.5
144	-3.64	.0001	.00000	.00080	.0010	2.00	118.5
145	-2.98	.0003	.00002	.00080	.0010	2.00	118.7
146	-2.37	.0018	.00000	.00080	.0010	2.00	118.7
147	-1.76	.0038	.00000	.00080	.0010	2.00	118.7
148	-1.15	.0071	.00000	.00080	.0010	2.00	118.7
149	-.51	.0114	.00000	.00080	.0010	2.00	118.6
150	.11	.0166	.00000	.00080	.0010	2.00	118.4
151	.75	.0230	.00000	.00080	.0010	2.00	118.6
152	1.41	.0311	.00000	.00080	.0010	2.00	118.6
153	2.10	.0406	.00000	.00080	.0010	2.00	118.6
154	2.77	.0535	.00000	.00080	.0010	2.00	118.6
155	3.45	.0679	.00000	.00080	.0010	2.00	118.6
156	4.10	.0836	.00000	.00080	.0010	2.00	118.6
157	4.83	.1037	.00000	.00080	.0010	2.00	119.0
158	5.56	.1271	.00000	.00080	.0010	2.00	118.5
159	6.32	.1582	.00000	.00080	.0010	2.00	118.5
160	7.13	.1840	.00000	.00080	.0010	2.00	118.5
161	7.93	.2235	.00000	.00080	.0010	2.00	118.5
162	8.67	.2563	.00000	.00080	.0010	2.00	118.5
163	.79	.0247	.00000	.00080	.0010	2.00	118.5

TEST 401 RUN 73 MACH 1.200 CONFIG. 10													
POINT	WIMP	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D
17	1.200	417.16	-.001	-5.60	-.1106	.01615	.0351	.0007	.0005	-.0001	-.1085	.02376	-6.57
18	1.201	417.00	-.001	-4.04	-.0400	.01877	.0246	.0006	.0005	-.0005	-.0386	.01844	-2.65
19	1.200	416.81	-.001	-3.40	-.0179	.01940	.0213	.0006	.0005	-.0008	-.0148	.01734	-.27
20	1.200	417.05	-.000	-2.63	.0163	.02046	.0180	.0006	.0005	-.0009	.0172	.01654	1.74
21	1.200	416.84	-.000	-1.96	.0424	.02096	.0118	.0006	.0005	-.0010	.1431	.01769	2.67
22	1.201	417.14	-.000	-1.25	.0718	.02147	.0073	.0007	.0005	-.0010	.1721	.01690	4.33
23	1.199	416.97	-.000	-.55	.1002	.02176	.0029	.0007	.0005	-.0009	.1774	.01769	5.33
24	1.200	417.08	-.000	.13	.1262	.02185	-.0012	.0007	.0005	-.0009	.1241	.01914	6.32
25	1.200	416.81	-.000	.88	.1593	.02207	-.0060	.0007	.0005	-.0010	.1589	.02135	7.24
26	1.200	417.13	.000	1.62	.1910	.02222	-.0104	.0007	.0003	-.0009	.1931	.02452	7.74
27	1.200	416.78	.000	2.42	.2292	.02300	-.0150	.0009	.0001	-.0005	.2290	.02954	7.73
28	1.200	417.08	.000	3.22	.2697	.02394	-.0217	.0010	.0002	-.0009	.2687	.03594	7.44
29	1.200	417.95	.001	4.02	.3095	.02493	-.0263	.0010	.0002	-.0010	.3060	.04342	7.05
30	1.200	416.94	.001	4.99	.3547	.02635	-.0309	.0011	.0001	-.0012	.3511	.05399	6.51
31	1.200	416.96	.002	5.77	.3941	.02784	-.0353	.0011	-.0003	-.0013	.3493	.06429	6.05
32	1.200	416.89	.002	6.67	.4373	.02954	-.0394	.0010	-.0003	-.0010	.4370	.07715	5.58
33	1.200	417.08	.001	7.58	.4835	.03149	-.0439	.0010	.0000	-.0011	.4722	.09151	5.16
34	1.200	416.95	.000	1.65	.1934	.02219	-.0107	.0007	.0003	-.0010	.1927	.02465	7.62

POINT	ALPHA	CLSO	COL	CDB	CDI	R/FT	TEMP
17	-5.60	.0118	.00100	.00210	.0010	1.99	123.0
18	-4.04	.0015	.00102	.00210	.0010	1.98	124.2
19	-3.40	.0003	.00100	.00210	.0010	1.99	122.5
20	-2.63	.0003	.00102	.00210	.0010	1.99	121.6
21	-1.96	.0019	.00100	.00210	.0010	2.00	120.5
22	-1.25	.0052	.00100	.00210	.0010	2.00	119.9
23	-.55	.0101	.00100	.00210	.0010	2.00	119.6
24	.13	.0159	.00102	.00210	.0010	2.00	119.5
25	.88	.0253	.00100	.00210	.0010	2.00	119.4
26	1.62	.0362	.00100	.00210	.0010	2.00	119.4
27	2.42	.0520	.00100	.00210	.0010	2.00	119.2
28	3.22	.0718	.00102	.00210	.0010	2.01	119.1
29	4.02	.0936	.00100	.00210	.0010	2.01	119.1
30	4.99	.1232	.00100	.00210	.0010	2.01	119.0
31	5.77	.1516	.00100	.00210	.0010	2.01	119.0
32	6.67	.1857	.00100	.00210	.0010	2.01	118.9
33	7.58	.2229	.00100	.00210	.0010	2.01	118.9
34	1.65	.0371	.00100	.00210	.0010	2.01	119.0

TEST 401 RUN 74 MACH 1.000 CONFIG. 10

POINT	WING	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
35	.999	380.19	-.001	-5.70	-.1089	.01599	.0294	.0007	.0005	-.0003	-.1068	.02463	-4.34
36	1.000	380.53	-.001	-4.18	-.0440	.01803	.0212	.0008	.0004	-.0003	-.0426	.01709	-2.23
37	1.000	380.54	-.001	-3.44	-.0094	.01898	.0169	.0008	.0004	-.0007	-.0083	.01741	-1.48
38	.999	380.08	-.001	-2.72	.0204	.01953	.0129	.0008	.0004	-.0006	.0213	.01644	1.29
39	.999	380.33	-.001	-2.04	.0476	.01997	.0093	.0009	.0003	-.0006	.0483	.01616	2.99
40	1.000	380.42	-.001	-1.33	.0782	.02053	.0049	.0009	.0003	-.0007	.0787	.01661	4.74
41	.999	381.13	-.001	-.64	.1042	.02062	.0016	.0009	.0003	-.0007	.1045	.01734	6.02
42	.999	381.22	.001	.08	.1340	.02068	-.0023	.0008	.0003	-.0009	.1343	.01974	7.13
43	.999	380.08	.001	.78	.1613	.02063	-.0049	.0008	.0003	-.0009	.1613	.02072	7.77
44	1.000	380.49	.001	1.58	.1978	.02098	-.0087	.0016	.0002	-.0007	.1972	.02433	8.11
45	.999	380.27	.001	2.45	.2401	.02150	-.0133	.0012	.0002	-.0008	.2389	.02964	8.06
46	.999	380.38	.001	3.11	.2720	.02231	-.0170	.0011	.0002	-.0011	.2704	.03492	7.74
47	.998	376.99	.001	3.97	.3161	.02321	-.0209	.0013	.0002	-.0013	.3137	.04292	7.31
48	.994	381.07	.001	4.76	.3531	.02442	-.0238	.0016	-.0001	-.0013	.3499	.05153	6.79
49	.998	380.02	.001	5.79	.4062	.02640	-.0266	.0016	-.0002	-.0016	.4014	.06511	6.17
50	.999	380.38	.001	6.63	.4491	.02822	-.0293	.0021	-.0000	-.0011	.4429	.07775	5.70
51	.998	379.93	.001	7.38	.4898	.02992	-.0311	.0019	.0000	-.0013	.4819	.09052	5.22
52	.998	379.84	.001	1.62	.2044	.02103	-.0090	.0010	.0002	-.0009	.2037	.02469	8.25

POINT	ALPHA	CLSD	CUC	CDB	CDI	R/FT	TEMP
35	-5.70	.0210	.00099	.00110	.0010	2.00	118.5
36	-4.18	.0015	.00039	.00110	.0010	2.01	118.5
37	-3.44	.0011	.00039	.00110	.0010	2.01	118.5
38	-2.72	.0005	.00039	.00110	.0010	2.00	118.5
39	-2.04	.0023	.00069	.00110	.0010	2.00	118.6
40	-1.33	.0062	.00067	.00110	.0010	2.00	118.9
41	-.64	.0109	.00020	.00110	.0010	2.00	118.9
42	.08	.0179	.00029	.00110	.0010	2.00	118.7
43	.78	.0259	.00029	.00110	.0010	2.00	118.7
44	1.58	.0339	.00029	.00110	.0010	2.00	118.7
45	2.45	.0571	.00029	.00110	.0010	2.00	118.7
46	3.11	.0731	.00023	.00110	.0010	2.00	118.7
47	3.97	.0994	.00024	.00110	.0010	2.00	118.7
48	4.76	.1224	.00024	.00110	.0010	2.00	118.7
49	5.79	.1612	.00020	.00110	.0010	2.00	118.7
50	6.63	.1951	.00037	.00110	.0010	2.00	118.9
51	7.38	.2322	.00059	.00110	.0010	2.00	118.9
52	1.62	.0415	.00029	.00110	.0010	2.00	118.6

TEST 401 RUN 75 MACH .975 CONFIG. 10

POINT	WING	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
53	.975	375.03	-.001	-5.62	-.1052	.01880	.0292	.0008	.0004	-.0002	-.1132	.02333	-4.42
54	.975	375.05	-.001	-4.13	-.0367	.01892	.0232	.0007	.0005	-.0005	-.0354	.01742	-1.44
55	.975	375.02	-.001	-3.43	-.0069	.01766	.0163	.0007	.0004	-.0004	-.0054	.01634	-1.36
56	.975	375.35	-.001	-2.73	.0191	.01825	.0129	.0008	.0003	-.0005	.0217	.01562	1.29
57	.975	375.34	-.001	-2.04	.0499	.01887	.0098	.0009	.0004	-.0009	.0505	.01534	3.29
58	.975	375.23	-.001	-1.35	.0759	.01919	.0053	.0009	.0004	-.0009	.0783	.01570	4.86
59	.975	375.04	-.001	-.63	.1050	.01941	.0015	.0009	.0003	-.0009	.1052	.01655	6.03
60	.975	374.14	-.001	.07	.1339	.01950	-.0023	.0008	.0004	-.0009	.1334	.01821	7.04
61	.975	375.02	-.001	.76	.1618	.01951	-.0047	.0008	.0004	-.0009	.1615	.02094	8.11
62	.975	375.00	.001	1.54	.1964	.01958	-.0090	.0010	.0003	-.0010	.1954	.02314	8.06
63	.975	375.29	.001	2.36	.2351	.02024	-.0122	.0012	.0002	-.0009	.2341	.02919	7.31
64	.975	375.29	.001	3.13	.2746	.02099	-.0162	.0012	.0003	-.0013	.2737	.03423	7.04
65	.975	375.14	.001	3.95	.3145	.02185	-.0208	.0013	.0003	-.0015	.3122	.04174	7.04
66	.975	375.15	.001	4.85	.3617	.02341	-.0232	.0016	.0000	-.0017	.3584	.05216	6.87
67	.974	375.01	.001	5.72	.4061	.02517	-.0256	.0018	-.0001	-.0020	.4015	.06380	6.29
68	.975	375.23	.001	6.63	.4504	.02700	-.0266	.0018	-.0001	-.0017	.4447	.07710	5.70
69	.975	375.28	.001	7.23	.4806	.02837	-.0278	.0021	.0001	-.0019	.4732	.08694	5.44
70	.975	375.39	.001	1.56	.2013	.01977	-.0094	.0010	.0003	-.0008	.2007	.02352	8.03

POINT	ALPHA	CLSD	CUC	CDB	CDI	R/FT	TEMP
53	-5.62	.0177	.00064	.00070	.0010	2.01	118.5
54	-4.13	.0013	.00039	.00070	.0010	2.01	118.6
55	-3.43	.0009	.00039	.00070	.0010	2.01	118.6
56	-2.73	.0004	.00048	.00070	.0010	2.01	118.9
57	-2.04	.0026	.00067	.00070	.0010	2.00	118.9
58	-1.35	.0068	.00049	.00070	.0010	2.01	118.9
59	-.63	.0111	.00044	.00070	.0010	2.01	118.7
60	.07	.0179	.00043	.00070	.0010	2.01	118.7
61	.76	.0261	.00043	.00070	.0010	2.01	118.6
62	1.54	.0383	.00049	.00070	.0010	2.01	118.6
63	2.36	.0548	.00049	.00070	.0010	2.01	118.6
64	3.13	.0745	.00049	.00070	.0010	2.01	118.6
65	3.95	.0975	.00049	.00070	.0010	2.01	118.6
66	4.85	.1295	.00048	.00070	.0010	2.01	118.7
67	5.72	.1613	.00059	.00070	.0010	2.01	118.7
68	6.63	.1974	.00055	.00070	.0010	2.01	118.7
69	7.23	.2239	.00069	.00070	.0010	2.01	118.7
70	1.56	.0403	.00049	.00070	.0010	2.01	118.6

ORIGINAL PAGE IS OF POOR QUALITY

NASA LANGLEY RESEARCH CENTER 0-FT TPT

SCAT 15-F

		TEST 401		RUN 76		MACH .950		CONFIG. 10					
POINT	TIME	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
71	.951	370.06	-.01	-5.64	-.1058	.01423	.0293	.0007	.0004	-.0003	-.1039	.02289	-4.54
72	.951	369.92	-.01	-4.08	-.0352	.01649	.0204	.0008	.0004	-.0005	-.0534	.01724	-1.97
73	.952	370.34	-.01	-3.39	-.0060	.01734	.0166	.0008	.0004	-.0004	-.0049	.01596	-0.31
74	.952	370.19	-.01	-2.77	.0228	.01797	.0127	.0008	.0003	-.0006	.0234	.01516	1.56
75	.952	370.39	-.01	-2.04	.0478	.01844	.0094	.0007	.0004	-.0009	.0444	.01503	3.22
76	.952	369.92	.00	-1.33	.0797	.01892	.0053	.0008	.0004	-.0011	.0402	.01534	5.22
77	.952	370.62	.00	-.61	.1090	.01914	.0016	.0007	.0004	-.0010	.1092	.01631	6.71
78	.949	369.44	.00	.11	.1366	.01916	-.0014	.0006	.0004	-.0011	.1365	.01770	7.71
79	.951	370.03	.00	.73	.1647	.01900	-.0044	.0006	.0004	-.0012	.1644	.01955	8.41
80	.950	369.78	.00	1.53	.1981	.01911	-.0077	.0006	.0003	-.0011	.1976	.02271	8.70
81	.951	370.23	.01	2.31	.2341	.01962	-.0116	.0010	.0002	-.0010	.2332	.02734	4.53
82	.950	369.63	.00	3.11	.2736	.02027	-.0156	.0010	.0003	-.0012	.2727	.03339	8.15
83	.950	369.73	.01	3.93	.3154	.02108	-.0190	.0014	.0003	-.0017	.3137	.04197	7.65
84	.950	369.72	.02	4.81	.3583	.02251	-.0214	.0017	.0001	-.0018	.3552	.05009	7.01
85	.950	369.81	.02	5.73	.4049	.02423	-.0236	.0017	.0001	-.0022	.4004	.06259	6.40
86	.951	369.95	.02	6.62	.4505	.02616	-.0252	.0019	.0001	-.0020	.4445	.07619	5.83
87	.950	369.53	.00	1.02	.2070	.01928	-.0084	.0009	.0003	-.0009	.2064	.02343	8.81

POINT	ALPHA	CLS0	LOC	C08	C01	R/FT	TEMP
71	-5.64	.0108	.00000	.00070	.0010	2.01	118.5
72	-4.08	.0112	.00004	.00070	.0010	2.01	118.7
73	-3.39	.0000	.00000	.00070	.0010	2.01	118.7
74	-2.70	.0006	.00057	.00070	.0010	2.01	118.7
75	-2.04	.0023	.00055	.00070	.0010	2.01	118.9
76	-1.33	.0064	.00055	.00070	.0010	2.01	118.7
77	-.61	.0119	.00055	.00070	.0010	2.01	118.7
78	.11	.0186	.00050	.00070	.0010	2.01	118.6
79	.73	.0270	.00055	.00070	.0010	2.01	118.6
80	1.53	.0390	.00050	.00070	.0010	2.01	118.6
81	2.31	.0544	.00050	.00070	.0010	2.01	118.6
82	3.11	.0740	.00000	.00070	.0010	2.01	118.6
83	3.93	.0981	.00000	.00070	.0010	2.01	118.6
84	4.81	.1262	.00000	.00070	.0010	2.01	118.7
85	5.70	.1604	.00000	.00070	.0010	2.01	118.9
86	6.62	.1976	.00070	.00070	.0010	2.01	118.9
87	1.02	.0426	.00059	.00070	.0010	2.01	118.6

		TEST 401		RUN 77		MACH .900		CONFIG. 10					
POINT	TIME	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
88	.901	357.72	-.01	-5.52	-.0981	.01431	.0279	.0007	.0004	-.0003	-.1003	.02184	-4.40
89	.901	357.60	-.01	-4.14	-.0369	.01620	.0225	.0007	.0004	-.0006	-.0534	.01703	-2.09
90	.901	357.96	-.01	-3.43	-.0078	.01709	.0171	.0006	.0003	-.0006	-.0049	.01572	-0.40
91	.901	357.78	-.01	-2.75	.0179	.01773	.0140	.0006	.0003	-.0007	.0234	.01535	1.54
92	.901	357.84	.00	-1.99	.0489	.01827	.0125	.0007	.0004	-.0009	.0444	.01477	3.26
93	.900	357.54	.00	-1.33	.0760	.01860	.0075	.0007	.0003	-.0010	.0402	.01503	5.22
94	.900	357.42	.00	-.66	.1018	.01874	.0049	.0007	.0003	-.0008	.1004	.01576	6.71
95	.901	357.90	.00	-.02	.1242	.01873	.0025	.0006	.0003	-.0010	.1242	.01644	7.71
96	.901	357.72	.00	.73	.1551	.01861	-.0027	.0005	.0004	-.0012	.1549	.01757	8.70
97	.900	357.42	.00	1.53	.1892	.01453	-.0027	.0007	.0003	-.0013	.1847	.02157	8.70
98	.900	357.54	.00	2.31	.2241	.01886	-.0058	.0005	.0001	-.0009	.2232	.02584	8.70
99	.901	357.66	.01	3.03	.2607	.01935	-.0091	.0005	.0003	-.0013	.2593	.03125	4.24
100	.901	357.81	.01	3.85	.3025	.02012	-.0123	.0003	.0003	-.0018	.3005	.03664	7.71
101	.900	357.30	.02	4.72	.3465	.02145	-.0147	.0017	.0001	-.0021	.3435	.04308	7.15
102	.900	357.42	.02	5.59	.3885	.02284	-.0186	.0016	.0001	-.0022	.3844	.04956	6.56
103	.901	357.67	.01	6.51	.4379	.02475	-.0213	.0016	.0001	-.0019	.4323	.07242	5.97
104	.900	357.30	.00	1.54	.1970	.01868	-.0032	.0008	.0003	-.0011	.1964	.02231	8.6

POINT	ALPHA	CLS0	LOC	C08	C01	R/FT	TEMP
88	-5.52	.0093	.00071	.00080	.0010	2.01	118.9
89	-4.14	.0013	.00009	.00080	.0010	2.01	118.7
90	-3.43	.0000	.00000	.00080	.0010	2.01	118.7
91	-2.75	.0003	.00000	.00080	.0010	2.01	118.7
92	-1.99	.0025	.00001	.00080	.0010	2.01	118.7
93	-1.33	.0058	.00001	.00080	.0010	2.01	118.6
94	-.66	.0104	.00002	.00080	.0010	2.01	118.6
95	-.02	.0154	.00001	.00080	.0010	2.01	118.6
96	.73	.0240	.00000	.00080	.0010	2.01	118.6
97	1.53	.0356	.00000	.00080	.0010	2.01	118.5
98	2.31	.0498	.00000	.00080	.0010	2.01	118.5
99	3.03	.0672	.00000	.00080	.0010	2.01	118.7
100	3.85	.0903	.00070	.00080	.0010	2.01	118.7
101	4.72	.1181	.00072	.00080	.0010	2.01	118.9
102	5.59	.1478	.00073	.00080	.0010	2.01	118.9
103	6.51	.1869	.00082	.00080	.0010	2.01	118.9
104	1.50	.0386	.00007	.00080	.0010	2.01	118.6

	TEST 401	RUN 78	NACH .800	CONFIG. 10									
POINT	MINF	S	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSIDE	CL	CD	L/D
175	.799	329.39	-.001	-5.55	-.0988	.01397	.0268	.0008	.0003	-.0001	-.0970	.02166	-4.48
176	.801	329.14	-.000	-4.21	-.0427	.01591	.0208	.0007	.0003	-.0003	-.0414	.01720	-2.41
177	.801	329.41	-.000	-3.40	-.0068	.01693	.0172	.0006	.0003	-.0006	-.0058	.01557	-.37
178	.799	329.38	-.000	-2.75	.0164	.01758	.0146	.0007	.0003	-.0008	.0192	.01488	1.29
179	.800	329.67	.000	-2.17	.0390	.01800	.0125	.0007	.0003	-.0009	.0397	.01471	2.70
179	.800	329.96	.000	-1.46	.0664	.01835	.0100	.0007	.0003	-.0006	.0669	.01465	4.50
111	.800	329.53	.000	-.79	.0912	.01849	.0075	.0006	.0003	-.0008	.0915	.01543	5.93
112	.800	329.86	.000	-.10	.1168	.01847	.0055	.0006	.0003	-.0011	.1168	.01646	7.10
113	.800	329.53	.000	.57	.1415	.01830	.0037	.0006	.0003	-.0008	.1413	.01789	7.90
114	.800	329.87	.000	1.27	.1699	.01819	.0020	.0006	.0003	-.0012	.1695	.02018	8.42
115	.799	329.12	.000	2.00	.1976	.01819	.0008	.0007	.0002	-.0013	.1969	.02327	8.46
116	.800	329.47	.000	2.77	.2351	.01861	-.0021	.0007	.0003	-.0013	.2340	.02815	8.31
117	.800	329.67	.001	3.52	.2691	.01905	-.0043	.0006	.0004	-.0020	.2664	.03368	7.91
118	.800	329.53	.000	4.34	.3105	.02305	-.0060	.0004	.0001	-.0022	.3081	.04169	7.39
119	.799	329.19	.000	5.15	.3491	.02113	-.0070	.0003	.0001	-.0025	.3458	.05057	6.84
120	.800	329.53	.000	6.02	.3927	.02245	-.0084	.0003	.0002	-.0025	.3892	.06180	6.29
121	.800	329.37	.000	6.84	.4144	.02328	-.0084	.0003	.0002	-.0021	.4072	.06790	6.04
122	.800	329.37	.000	1.32	.1735	.01826	.0018	.0005	.0003	-.0011	.1731	.02044	8.47

POINT	ALPHA	CLSD	COL	COR	CDI	R/FT	TEMP
105	-5.55	.0099	.00070	.00080	.0010	2.01	118.5
106	-4.21	.0087	.00070	.00080	.0010	2.01	118.7
107	-3.40	.0080	.00070	.00080	.0010	2.01	118.7
108	-2.75	.0076	.00060	.00080	.0010	2.00	118.7
109	-2.17	.0070	.00060	.00080	.0010	2.00	118.7
110	-1.46	.0065	.00060	.00080	.0010	2.01	118.7
111	-.79	.0064	.00060	.00080	.0010	2.00	118.7
112	-.10	.0063	.00060	.00080	.0010	2.01	118.6
113	.57	.0060	.00060	.00080	.0010	2.01	118.6
114	1.28	.0287	.00060	.00080	.0010	2.01	118.7
115	2.00	.0388	.00070	.00080	.0010	2.00	118.6
116	2.77	.0547	.00070	.00080	.0010	2.01	118.7
117	3.52	.0710	.00070	.00080	.0010	2.00	118.7
118	4.34	.0949	.00070	.00080	.0010	2.00	118.7
119	5.15	.1190	.00070	.00080	.0010	2.00	118.7
120	6.02	.1507	.00060	.00080	.0010	2.00	118.7
121	6.84	.1875	.00060	.00080	.0010	2.01	118.6
122	1.32	.0300	.00060	.00080	.0010	2.01	118.6

	TEST 401	RUN 79	NACH .800	CONFIG. 10									
POINT	MINF	S	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSIDE	CL	CD	L/D
123	.599	282.99	-.000	-5.50	-.0960	.01408	.0254	.0006	.0003	-.0006	-.0942	.02140	-4.40
124	.601	284.11	-.000	-4.17	-.0389	.01603	.0201	.0005	.0003	-.0004	-.0377	.01712	-2.21
125	.600	283.95	-.000	-3.53	-.0127	.01878	.0178	.0006	.0003	-.0005	-.0116	.01573	-.74
126	.600	283.95	-.000	-2.88	.0107	.01736	.0158	.0007	.0003	-.0006	.0115	.01500	.77
127	.600	283.45	.000	-2.30	.0322	.01779	.0138	.0005	.0003	-.0008	.0329	.01458	2.24
128	.600	283.54	.000	-1.65	.0549	.01820	.0120	.0006	.0003	-.0010	.0554	.01441	3.74
129	.599	283.29	.000	-1.03	.0785	.01836	.0102	.0006	.0003	-.0011	.0784	.01515	5.20
130	.599	283.29	.000	-.34	.1014	.01840	.0087	.0005	.0003	-.0010	.1015	.01593	6.38
131	.599	283.37	.000	.27	.1245	.01825	.0073	.0005	.0003	-.0011	.1244	.01735	7.30
132	.600	283.78	.000	.88	.1464	.01804	.0060	.0005	.0003	-.0012	.1461	.01848	7.91
133	.600	283.54	.000	1.52	.1678	.01788	.0051	.0005	.0003	-.0014	.1673	.02052	8.15
134	.599	283.04	.000	2.19	.1931	.01792	.0046	.0005	.0001	-.0011	.1923	.02349	8.19
135	.599	283.13	.000	2.85	.2221	.01818	.0030	.0004	.0002	-.0010	.2209	.02742	8.06
136	.599	283.29	.001	3.55	.2545	.01850	.0018	.0007	.0003	-.0005	.2528	.03247	7.80
137	.599	283.05	.000	4.24	.2876	.01909	.0000	.0006	.0001	-.0007	.2854	.03849	7.42
138	.600	283.04	.000	5.00	.3228	.01991	-.0004	.0004	.0001	-.0009	.3199	.04615	6.93
139	.599	283.29	.001	5.72	.3571	.02078	-.0006	.0003	.0001	-.0006	.3532	.05449	6.44
140	.599	283.29	.001	6.46	.3929	.02145	-.0003	.0003	.0001	-.0002	.3891	.06414	6.05
141	.600	283.54	.001	7.31	.4364	.02320	-.0000	.0003	.0001	-.0002	.4299	.07671	5.60
142	.599	282.85	.000	.90	.1516	.01816	.0058	.0004	.0003	-.0012	.1513	.01991	8.04

POINT	ALPHA	CLSD	COL	COR	CDI	R/FT	TEMP
123	-5.50	.0069	.00070	.00080	.0010	2.00	118.5
124	-4.17	.0060	.00070	.00080	.0010	2.01	118.5
125	-3.53	.0051	.00070	.00080	.0010	2.01	118.6
126	-2.88	.0041	.00070	.00080	.0010	2.01	118.6
127	-2.30	.0031	.00070	.00080	.0010	2.00	118.6
128	-1.65	.0031	.00060	.00080	.0010	2.00	118.7
129	-1.03	.0030	.00060	.00080	.0010	2.00	118.7
130	-.34	.0023	.00060	.00080	.0010	2.00	118.7
131	.27	.0015	.00060	.00080	.0010	2.00	118.7
132	.88	.0013	.00060	.00080	.0010	2.00	118.7
133	1.52	.0280	.00060	.00080	.0010	2.00	118.7
134	2.19	.0370	.00070	.00080	.0010	2.00	118.6
135	2.85	.0488	.00070	.00080	.0010	2.00	118.6
136	3.55	.0639	.00070	.00080	.0010	2.00	118.6
137	4.24	.0815	.00070	.00080	.0010	2.00	118.6
138	5.00	.1023	.00070	.00080	.0010	2.00	118.6
139	5.72	.1248	.00070	.00080	.0010	2.00	118.6
140	6.46	.1505	.00070	.00080	.0010	2.00	118.6
141	7.31	.1848	.00060	.00080	.0010	2.00	118.6
142	.93	.0229	.00060	.00080	.0010	2.00	118.7

ORIGINAL PAGE IS OF POOR QUALITY

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

		TEST 404	RUN 80		MACH 1.200			CONFIG. 11						
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D	
17	1.202	417.96	-0.01	-6.06	-0.0994	.01826	.0076	.0000	.0003	.0003	-0.0370	.02558	-3.79	
18	1.202	417.70	-0.01	-4.55	-0.0361	.02139	-0.0023	.0000	.0003	-0.0000	-0.0323	.02093	-1.54	
19	1.201	417.42	-0.01	-3.90	-0.0075	.02239	-0.0064	.0007	.0004	-0.0004	-0.001	.01975	-0.30	
20	1.201	417.29	-0.01	-3.18	-0.0235	.02365	-0.0111	.0007	.0003	-0.0002	.0244	.01921	1.79	
21	1.201	417.90	-0.00	-2.46	.0530	.02460	-0.0159	.0007	.0004	-0.0005	.0560	.01920	2.81	
22	1.201	417.59	-0.00	-1.74	.0825	.02532	-0.0209	.0000	.0004	-0.0007	.0832	.01970	4.22	
23	1.202	417.62	-0.00	-1.07	.1102	.02582	-0.0255	.0000	.0003	-0.0005	.1107	.02065	5.36	
24	1.200	417.40	-0.00	-0.33	.1407	.02622	-0.0305	.0000	.0002	-0.0005	.1409	.02231	6.31	
25	1.201	417.48	-0.00	.38	.1705	.02650	-0.0352	.0007	.0002	-0.0005	.1713	.02455	6.94	
26	1.201	417.45	-0.00	1.11	.2016	.02675	-0.0400	.0000	.0002	-0.0003	.2016	.02747	7.29	
27	1.200	417.45	.00	1.81	.2339	.02743	-0.0448	.0000	-0.0000	-0.0003	.2325	.03170	7.35	
28	1.201	417.50	.01	2.67	.2744	.02853	-0.0511	.0004	-0.0001	-0.0003	.2727	.03820	7.14	
29	1.199	417.24	.01	3.51	.3146	.02977	-0.0569	.0010	-0.0002	-0.0004	.3122	.04590	6.80	
30	1.200	417.42	.01	4.23	.3500	.03152	-0.0612	.0011	-0.0002	-0.0004	.3467	.05363	6.47	
31	1.200	417.34	.01	5.12	.3923	.03271	-0.0656	.0012	-0.0003	-0.0006	.3878	.06465	6.02	
32	1.200	417.40	.02	5.17	.4473	.03531	-0.0706	.0011	-0.0005	-0.0006	.4410	.08056	5.51	
33	1.200	417.34	.00	1.11	.2011	.02670	-0.0398	.0000	.0002	-0.0006	.2006	.02749	7.30	

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
17	-6.06	.0094	.00135	.00210	.0010	1.99	122.2
18	-4.55	.0010	.00135	.00210	.0010	2.00	121.1
19	-3.90	.0007	.00144	.00210	.0010	2.00	120.5
20	-3.18	.0000	.00140	.00210	.0010	2.00	120.0
21	-2.46	.0029	.00130	.00210	.0010	2.00	119.7
22	-1.74	.0069	.00130	.00210	.0010	2.00	119.6
23	-1.07	.0123	.00140	.00210	.0010	2.00	119.5
24	-0.33	.0198	.00140	.00210	.0010	2.00	119.5
25	.38	.0290	.00147	.00210	.0010	2.01	119.2
26	1.11	.0404	.00140	.00210	.0010	2.01	119.1
27	1.81	.0542	.00134	.00210	.0010	2.01	119.1
28	2.67	.0744	.00102	.00210	.0010	2.01	119.1
29	3.51	.0975	.00108	.00210	.0010	2.01	119.1
30	4.23	.1202	.00172	.00210	.0010	2.01	118.9
31	5.12	.1504	.00102	.00210	.0010	2.01	118.9
32	5.17	.1944	.00135	.00210	.0010	2.01	118.9
33	1.11	.0402	.00140	.00210	.0010	2.01	118.9

		TEST 404	RUN 91		MACH 1.200			CONFIG. 11						
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D	
34	1.000	380.90	-0.01	-6.04	-0.0921	.01892	.0011	.0000	.0000	.0006	-0.0897	.02600	-3.45	
35	1.002	381.39	-0.00	-4.56	-0.0288	.02081	-0.0060	.0000	.0001	-0.0000	-0.0271	.02094	-1.29	
36	1.000	381.05	-0.00	-3.86	-0.0061	.02174	-0.0094	.0000	.0001	-0.0001	.0014	.01959	-0.07	
37	1.000	380.94	.00	-3.17	.0277	.02253	-0.0130	.0000	.0002	-0.0005	.0289	.01800	0.00	
38	1.000	380.99	.00	-2.44	.0571	.02328	-0.0174	.0009	.0001	-0.0001	.0581	.01867	1.11	
39	1.000	381.05	.00	-1.75	.0904	.02403	-0.0227	.0010	.0001	-0.0003	.0911	.01917	4.75	
40	1.000	380.95	.00	-0.99	.1211	.02452	-0.0277	.0010	-0.0001	-0.0001	.1215	.02033	5.67	
41	1.000	380.85	.01	-0.29	.1511	.02483	-0.0320	.0009	-0.0002	-0.0000	.1512	.02190	6.84	
42	1.000	380.74	.01	.31	.1752	.02474	-0.0352	.0004	-0.0003	-0.0000	.1750	.02358	7.42	
43	.999	380.60	.00	1.05	.2057	.02492	-0.0389	.0009	-0.0002	-0.0000	.2052	.02558	7.72	
44	.999	380.55	.01	1.83	.2426	.02524	-0.0431	.0011	-0.0003	-0.0001	.2417	.03009	7.82	
45	.999	380.65	.01	2.64	.2840	.02621	-0.0480	.0012	-0.0001	-0.0005	.2825	.03715	7.80	
46	.999	380.55	.01	3.46	.3257	.02736	-0.0538	.0012	.0001	-0.0004	.3235	.04486	7.21	
47	.999	380.55	.01	4.14	.3612	.02855	-0.0576	.0015	.0001	-0.0012	.3582	.05245	6.83	
48	.998	380.55	.02	5.21	.4160	.03107	-0.0623	.0017	.0001	-0.0010	.4114	.06061	6.18	
49	.998	380.19	.02	5.96	.4548	.03271	-0.0667	.0017	.0000	-0.0018	.4469	.07766	5.78	
50	.999	380.60	.01	6.82	.4994	.03510	-0.0681	.0023	-0.0001	-0.0013	.4914	.09207	5.34	
51	.998	380.35	.01	7.53	.5380	.03719	-0.0703	.0022	-0.0002	-0.0010	.5285	.10523	4.92	
52	.998	380.13	.00	1.07	.2088	.02494	-0.0392	.0009	-0.0002	-0.0001	.2084	.02664	7.82	

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
34	-6.04	.0080	.00021	.00110	.0010	2.01	118.7
35	-4.56	.0007	.00048	.00110	.0010	2.01	118.6
36	-3.86	.0000	.00033	.00110	.0010	2.01	118.6
37	-3.17	.0000	.00024	.00110	.0010	2.01	118.6
38	-2.44	.0034	.00036	.00110	.0010	2.01	118.7
39	-1.75	.0083	.00038	.00110	.0010	2.01	118.7
40	-0.99	.0148	.00039	.00110	.0010	2.01	118.7
41	-0.29	.0229	.00039	.00110	.0010	2.01	118.7
42	.31	.0306	.00042	.00110	.0010	2.01	118.7
43	1.05	.0421	.00047	.00110	.0010	2.01	118.6
44	1.83	.0584	.00051	.00110	.0010	2.01	118.7
45	2.64	.0798	.00056	.00110	.0010	2.01	118.6
46	3.46	.1046	.00059	.00110	.0010	2.01	118.7
47	4.14	.1283	.00061	.00110	.0010	2.01	118.7
48	5.21	.1693	.00059	.00110	.0010	2.01	118.7
49	5.96	.2015	.00060	.00110	.0010	2.00	118.9
50	6.82	.2417	.00062	.00110	.0010	2.01	118.9
51	7.53	.2793	.00070	.00110	.0010	2.00	118.9
52	1.07	.0434	.00049	.00110	.0010	2.00	118.7

TEST 401 RUN 82 MACH .975 CONFIG. 11

POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
53	.976	374.75	-.000	-6.69	-.0951	.01604	-.0007	.0007	.0001	.0003	-.0028	.02514	-3.69
54	.976	375.70	-.000	-6.60	-.0204	.01962	-.0065	.0006	.0001	.0000	-.0204	.01696	-1.34
55	.975	375.39	-.000	-3.82	.0049	.02054	-.0107	.0007	.0002	-.0002	.0000	.01807	.34
56	.975	375.36	-.000	-3.04	.0372	.02152	-.0151	.0009	.0001	-.0002	.0000	.01761	2.15
57	.976	375.53	-.000	-2.50	.0600	.02216	-.0184	.0007	.0001	-.0002	.0000	.01779	3.67
58	.975	375.79	.000	-1.75	.0905	.02477	-.0230	.0010	.0002	-.0005	.0000	.01740	4.90
59	.975	375.33	.000	-1.08	.1192	.02322	-.0275	.0009	.0000	-.0003	.0000	.01740	6.21
60	.975	375.39	.000	-.37	.1475	.02355	-.0317	.0009	-.0001	-.0002	.0000	.01751	7.06
61	.975	375.12	.000	.29	.1751	.02369	-.0351	.0007	-.0001	-.0003	.0000	.01746	7.65
62	.975	375.24	.000	1.00	.2040	.02375	-.0386	.0009	-.0001	-.0003	.0000	.01751	7.95
63	.977	375.75	.001	1.73	.2387	.02417	-.0423	.0011	-.0002	-.0001	.0000	.01746	8.01
64	.976	375.54	.001	2.54	.2791	.02498	-.0476	.0012	-.0001	-.0001	.0000	.01777	7.80
65	.976	375.07	.001	3.48	.3265	.02613	-.0526	.0013	.0002	-.0001	.0000	.01767	7.34
66	.975	375.18	.001	4.14	.3604	.02722	-.0563	.0014	.0002	-.0001	.0000	.01756	6.94
67	.974	374.75	.002	5.10	.4121	.02958	-.0617	.0017	-.0000	-.0001	.0000	.01770	6.33
68	.973	374.70	.002	6.07	.4614	.03179	-.0636	.0018	.0001	-.0002	.0000	.01797	5.79
69	.973	374.06	.001	7.03	.5122	.03444	-.0655	.0022	-.0001	-.0001	.0000	.01816	5.30
70	.977	375.82	.001	7.72	.5509	.03676	-.0679	.0025	.0002	-.0001	.0000	.01809	4.90
71	.974	374.63	.000	1.67	.2110	.02379	-.0393	.0008	-.0000	-.0000	.0000	.01804	6.09

POINT	ALPHA	CLSD	CUC	COB	COI	R/FI	TEMP
53	-6.69	.0030	.0000	.0007	.0310	2.01	118.5
54	-6.60	.0007	.0000	.0007	.0310	2.01	118.5
55	-3.82	.0000	.0000	.0007	.0010	2.01	118.7
56	-3.04	.0015	.0000	.0007	.0010	2.01	118.7
57	-2.50	.0038	.0000	.0007	.0010	2.01	118.9
58	-1.75	.0083	.0000	.0007	.0010	2.01	118.9
59	-1.08	.0143	.0000	.0007	.0010	2.01	118.9
60	-.37	.0218	.0000	.0007	.0010	2.01	118.9
61	.29	.0306	.0007	.0007	.0010	2.01	118.7
62	1.00	.0414	.0000	.0007	.0010	2.01	118.6
63	1.73	.0500	.0000	.0007	.0010	2.01	118.9
64	2.54	.0671	.0000	.0007	.0010	2.01	118.7
65	3.48	.0852	.0000	.0007	.0010	2.01	118.6
66	4.14	.1074	.0000	.0007	.0010	2.01	118.6
67	5.10	.1304	.0000	.0007	.0010	2.01	118.6
68	6.07	.1574	.0000	.0007	.0010	2.01	118.6
69	7.03	.1891	.0000	.0007	.0010	2.00	118.6
70	7.72	.2247	.0000	.0007	.0010	2.01	118.7
71	8.67	.2643	.0000	.0007	.0010	2.00	118.7

TEST 401 RUN 83 MACH .950 CONFIG. 11

POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
72	.950	369.50	-.000	-6.63	-.0927	.01645	-.0003	.0000	.0001	.0000	-.0028	.02514	-3.71
73	.950	369.78	-.000	-6.56	-.0262	.01910	-.0071	.0000	.0001	.0000	-.0204	.01696	-1.34
74	.951	370.22	-.000	-3.87	.0022	.02001	-.0103	.0000	.0002	-.0002	.0000	.01807	.34
75	.951	370.33	-.000	-3.14	.0325	.02194	-.0142	.0000	.0001	-.0002	.0000	.01761	2.15
76	.948	369.71	.000	-2.43	.0632	.02171	-.0184	.0000	.0002	-.0005	.0000	.01771	3.67
77	.949	369.39	.000	-1.74	.0924	.02241	-.0227	.0000	.0002	-.0005	.0000	.01740	4.90
78	.951	369.99	.000	-1.07	.1213	.02288	-.0271	.0000	.0001	-.0005	.0000	.01740	6.21
79	.950	369.42	.000	-.33	.1511	.02307	-.0309	.0000	.0000	-.0005	.0000	.01751	7.06
80	.950	369.36	.000	.39	.1827	.02314	-.0344	.0000	.0000	-.0005	.0000	.01746	7.65
81	.950	369.58	.000	1.10	.2131	.02316	-.0384	.0000	.0000	-.0005	.0000	.01751	7.95
82	.950	369.41	.001	1.86	.2467	.02341	-.0419	.0011	-.0002	-.0002	.0000	.01746	8.01
83	.950	369.27	.001	2.64	.2872	.02427	-.0469	.0011	-.0001	-.0001	.0000	.01777	7.80
84	.948	368.70	.001	3.35	.3196	.02502	-.0503	.0013	.0000	-.0001	.0000	.01767	7.34
85	.951	369.69	.001	4.19	.3635	.02651	-.0547	.0016	.0001	-.0001	.0000	.01756	6.94
86	.950	369.30	.002	5.03	.4075	.02851	-.0580	.0017	.0000	-.0001	.0000	.01746	6.33
87	.950	369.35	.002	5.91	.4543	.03058	-.0612	.0020	.0000	-.0001	.0000	.01770	5.79
88	.948	368.82	.001	6.84	.5020	.03290	-.0626	.0021	.0001	-.0001	.0000	.01797	5.30
89	.949	369.14	.001	7.80	.5584	.03597	-.0633	.0025	.0001	-.0001	.0000	.01809	4.90
90	.950	369.08	.000	1.06	.2097	.02318	-.0381	.0007	-.0000	-.0000	.0000	.01804	6.09

PT	ALPHA	CLSD	CUC	COB	COI	R/FI	TEMP
72	-6.63	.0082	.0000	.0007	.0010	2.01	118.7
73	-6.56	.0006	.0000	.0007	.0010	2.01	118.9
74	-3.87	.0000	.0000	.0007	.0010	2.01	118.7
75	-3.14	.0011	.0000	.0007	.0010	2.01	118.7
76	-2.43	.0041	.0000	.0007	.0010	2.00	118.6
77	-1.74	.0087	.0000	.0007	.0010	2.01	118.6
78	-1.07	.0148	.0000	.0007	.0010	2.01	118.7
79	-.33	.0229	.0000	.0007	.0010	2.01	118.6
80	.39	.0333	.0000	.0007	.0010	2.01	118.6
81	1.10	.0452	.0000	.0007	.0010	2.01	118.6
82	1.86	.0604	.0007	.0007	.0010	2.01	118.6
83	2.64	.0816	.0000	.0007	.0010	2.01	118.6
84	3.35	.1009	.0000	.0007	.0010	2.00	118.6
85	4.19	.1300	.0000	.0007	.0010	2.01	118.7
86	5.03	.1627	.0000	.0007	.0010	2.01	118.7
87	5.91	.2014	.0000	.0007	.0010	2.01	118.7
88	6.84	.2465	.0000	.0007	.0010	2.00	118.7
89	7.80	.3000	.0000	.0007	.0010	2.00	118.7
90	1.06	.0438	.0000	.0007	.0010	2.00	118.7

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TEST 401		RUN 04		NAME .900		CONFIG. 11									
POINT	WIND	Q	DELTA	ALPHA	CM	CA	CH	CRULL	CYAN	CSIDE	CL	CO	L/D		
92	.902	350.80	-.001	-5.95	-.0877	.01645	-.0006	.0000	.0001	.0002	-.0855	.02344	-3.61		
93	.900	357.40	.000	-6.53	-.0250	.01881	-.0071	.0000	-.0000	.0000	-.0234	.01893	-1.24		
94	.900	357.22	-.000	-3.88	.0040	.01989	-.0103	.0000	.0000	-.0004	.0054	.01777	1.30		
95	.900	357.10	.000	-3.10	.0338	.02081	-.0138	.0000	.0000	-.0004	.0349	.01715	2.03		
96	.899	356.01	.000	-2.40	.0640	.02162	-.0175	.0000	.0000	-.0007	.0649	.01712	3.79		
97	.900	350.92	.000	-1.72	.0910	.02215	-.0209	.0000	.0000	-.0000	.0917	.01760	5.21		
98	.901	357.53	.000	-1.03	.1178	.02253	-.0244	.0000	.0000	-.0006	.1182	.01800	6.35		
99	.900	357.23	.000	-.35	.1424	.02254	-.0273	.0000	.0000	-.0000	.1425	.01986	7.18		
100	.900	356.85	.000	.29	.1712	.02266	-.0304	.0000	.0000	-.0006	.1711	.02173	7.88		
101	.900	356.27	.000	1.07	.2049	.02252	-.0331	.0000	.0000	-.0000	.2035	.02452	8.30		
102	.900	356.18	.000	1.86	.2368	.02269	-.0359	.0000	-.0002	-.0004	.2359	.02855	8.26		
103	.999	356.76	.000	2.58	.2711	.02329	-.0395	.0000	-.0002	-.0006	.2699	.03359	9.03		
104	.998	356.26	.000	3.32	.3082	.02387	-.0429	.0000	-.0001	-.0011	.3063	.03985	7.69		
105	.900	357.19	.000	4.21	.3531	.02504	-.0464	.0015	.0001	-.0017	.3503	.04608	7.14		
106	.900	356.97	.000	5.04	.3976	.02609	-.0497	.0017	-.0000	-.0019	.3937	.05304	6.56		
107	.999	356.33	.000	5.88	.4462	.02805	-.0517	.0017	.0001	-.0023	.4450	.06181	6.06		
108	.900	357.16	.000	6.81	.4865	.03032	-.0536	.0020	-.0000	-.0013	.4854	.08649	5.54		
109	.900	357.12	.000	7.77	.5400	.03352	-.0562	.0022	-.0001	-.0014	.5395	.10445	5.04		
110	.899	356.75	.000	8.32	.5732	.03535	-.0587	.0021	-.0000	-.0017	.5621	.11612	4.64		
111	.899	356.68	.000	1.04	.2023	.02247	-.0330	.0000	-.0000	-.0006	.2014	.02435	8.20		

POINT	ALPHA	CLSQ	LOC	COB	COI	R/FT	TEMP
92	-5.95	.0073	.0000	.0000	.0010	2.01	118.2
93	-6.53	.0005	.0000	.0000	.0010	2.01	118.6
94	-3.88	.0000	.0000	.0000	.0010	2.01	118.7
95	-3.10	.0012	.0000	.0000	.0010	2.00	118.9
96	-2.40	.0042	.0000	.0000	.0010	2.00	118.7
97	-1.72	.0084	.0000	.0000	.0010	2.00	118.7
99	-1.03	.0140	.0000	.0000	.0010	2.01	118.6
99	-.35	.0203	.0000	.0000	.0010	2.01	118.5
100	.29	.0292	.0000	.0000	.0010	2.01	118.5
101	1.07	.0414	.0000	.0000	.0010	2.00	118.5
102	1.86	.0557	.0000	.0000	.0010	2.01	118.6
103	2.58	.0728	.0000	.0000	.0010	2.00	118.7
104	3.32	.0930	.0000	.0000	.0010	2.00	118.7
105	4.21	.1227	.0000	.0000	.0010	2.01	118.7
106	5.04	.1556	.0000	.0000	.0010	2.00	118.7
107	5.88	.1892	.0000	.0000	.0010	2.00	118.7
108	6.81	.2298	.0000	.0000	.0010	2.00	118.7
109	7.77	.2814	.0000	.0000	.0010	2.01	118.7
110	8.32	.3159	.0000	.0000	.0010	2.00	118.7
111	1.04	.0407	.0000	.0000	.0010	2.00	118.6

TEST 401		RUN 05		NAME .900		CONFIG. 11									
POINT	WIND	Q	DELTA	ALPHA	CM	CA	CH	CRULL	CYAN	CSIDE	CL	CO	L/D		
112	.800	329.85	-.000	-5.94	-.0887	.01614	-.0010	.0000	.0000	.0000	-.0865	.02345	-3.61		
113	.800	329.94	-.000	-6.54	-.0266	.01864	-.0071	.0000	-.0000	.0000	-.0250	.01893	-1.24		
114	.800	329.67	-.000	-3.82	.0054	.01986	-.0103	.0000	.0000	-.0001	.0054	.01777	1.30		
115	.800	329.60	.000	-3.11	.0360	.02075	-.0131	.0000	.0000	-.0004	.0351	.01728	2.03		
116	.799	329.60	.000	-2.42	.0638	.02164	-.0169	.0000	.0000	-.0007	.0649	.01715	3.79		
117	.799	329.33	.000	-1.75	.0885	.02194	-.0199	.0000	.0000	-.0000	.0897	.01750	4.92		
118	.800	329.80	.000	-1.11	.1111	.02237	-.0218	.0000	.0000	-.0000	.1115	.01846	5.21		
119	.799	329.47	.000	-.42	.1373	.02265	-.0245	.0000	.0000	-.0000	.1374	.01986	5.54		
120	.799	329.46	.000	.22	.1593	.02235	-.0265	.0000	.0000	-.0000	.1597	.02117	5.04		
121	.799	329.33	.000	.92	.1893	.02226	-.0280	.0000	.0000	-.0000	.1899	.02344	4.64		
122	.799	329.26	.000	1.70	.2194	.02229	-.0305	.0000	-.0000	-.0000	.2189	.02859	4.11		
123	.799	329.20	.000	2.43	.2527	.02271	-.0331	.0000	-.0000	-.0000	.2515	.03155	3.79		
124	.799	329.73	.000	3.15	.2864	.02329	-.0359	.0000	-.0000	-.0000	.2867	.03709	3.04		
125	.799	329.39	.000	3.94	.3240	.02398	-.0381	.0014	.0000	-.0017	.3227	.04442	2.79		
126	.800	329.73	.000	4.71	.3603	.02526	-.0398	.0015	.0000	-.0021	.3573	.05231	2.76		
127	.800	329.87	.000	5.54	.4041	.02682	-.0419	.0016	.0000	-.0021	.3994	.06393	2.25		
128	.799	329.40	.000	6.46	.4521	.02883	-.0427	.0018	.0000	-.0017	.4459	.07744	1.79		
129	.799	329.26	.000	7.29	.4980	.03078	-.0433	.0019	.0000	-.0017	.4901	.09166	1.33		
130	.800	330.01	.000	8.20	.5434	.03294	-.0440	.0019	.0000	-.0016	.5332	.10714	1.02		
131	.799	329.39	.000	9.20	.5948	.03583	-.0435	.0018	-.0000	-.0016	.5853	.12433	0.83		
132	.800	329.80	.000	9.48	.6115	.03640	-.0436	.0017	-.0000	-.0017	.5971	.13776	0.63		
133	.800	331.12	.000	.95	.1916	.02237	-.0290	.0000	.0000	-.0007	.1912	.02376	8.20		

POINT	ALPHA	CLSQ	LOC	COB	COI	R/FT	TEMP
112	-5.94	.0075	.0000	.0000	.0010	2.01	117.9
113	-6.54	.0006	.0000	.0000	.0010	2.01	118.1
114	-3.82	.0001	.0000	.0000	.0010	2.01	118.2
115	-3.11	.0012	.0000	.0000	.0010	2.01	118.2
116	-2.42	.0038	.0000	.0000	.0010	2.00	118.2
117	-1.75	.0076	.0000	.0000	.0010	2.01	118.2
118	-1.11	.0124	.0000	.0000	.0010	2.01	118.2
119	-.42	.0189	.0000	.0000	.0010	2.01	118.4
120	.22	.0254	.0000	.0000	.0010	2.01	118.4
121	.92	.0357	.0000	.0000	.0010	2.01	118.5
122	1.70	.0479	.0000	.0000	.0010	2.00	118.5
123	2.43	.0633	.0000	.0000	.0010	2.01	118.5
124	3.15	.0811	.0000	.0000	.0010	2.01	118.6
125	3.94	.1030	.0000	.0000	.0010	2.00	118.6
126	4.70	.1275	.0000	.0000	.0010	2.01	118.6
127	5.54	.1597	.0000	.0000	.0010	2.01	118.6
128	6.46	.1989	.0000	.0000	.0010	2.00	118.6
129	7.29	.2382	.0000	.0000	.0010	2.00	118.6
130	8.20	.2843	.0000	.0000	.0010	2.01	118.6
131	9.20	.3426	.0000	.0000	.0010	2.00	118.6
132	9.48	.3546	.0000	.0000	.0010	2.01	118.6
133	.95	.0366	.0000	.0000	.0010	2.01	118.7

TEST 401		RUN 46		MACH 1.00		CONFIG. 11							
POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
134	.070	263.70	-.000	-5.76	-.0753	-.01674	-.0037	.0006	.0001	.0002	-.0733	-.02241	-3.27
135	.081	264.52	-.000	-6.32	-.07126	-.01924	-.0085	.0006	.0001	-.0001	-.0111	-.01838	-4.61
136	.094	264.28	-.000	-3.73	-.0092	-.02005	-.0102	.0005	.0002	-.0005	-.0175	-.01751	1.50
137	.090	254.03	-.000	-3.17	-.0303	-.02074	-.0122	.0006	.0002	-.0006	-.0314	-.01723	1.82
138	.085	263.54	-.000	-2.44	-.0580	-.02143	-.0148	.0006	.0002	-.0008	-.0597	-.01711	3.40
139	.085	263.95	-.000	-1.76	-.0917	-.02194	-.0171	.0006	.0001	-.0007	-.0424	-.01762	4.68
140	.081	264.11	-.000	-1.24	-.1607	-.02219	-.0194	.0005	.0002	-.0007	-.1011	-.01822	5.55
141	.081	264.19	-.000	-.07	-.1215	-.02228	-.0207	.0007	.0001	-.0005	-.1218	-.01906	5.39
142	.081	264.19	-.000	-.01	-.1463	-.02231	-.0229	.0005	.0001	-.0008	-.1443	-.02040	7.14
143	.082	263.62	-.000	.06	-.1714	-.02212	-.0245	.0005	.0001	-.0007	-.1711	-.02228	7.68
144	.089	263.35	-.000	1.47	-.2017	-.02196	-.0269	.0005	.0000	-.0007	-.2011	-.02332	7.94
145	.094	252.72	-.001	2.05	-.2214	-.02204	-.0266	.0006	-.0001	-.0011	-.2205	-.02315	7.83
146	.099	252.72	-.001	2.54	-.2441	-.02226	-.0282	.0006	-.0002	-.0010	-.2429	-.03143	7.73
147	.080	263.54	-.001	3.41	-.2836	-.02290	-.0306	.0006	.0003	-.0021	-.2817	-.03793	7.43
148	.082	263.67	-.001	4.02	-.3106	-.02344	-.0319	.0012	.0001	-.0021	-.3087	-.04335	7.11
149	.090	263.66	-.002	4.81	-.3518	-.02465	-.0333	.0015	-.0002	-.0024	-.3495	-.05224	6.67
150	.099	263.38	-.002	5.43	-.3873	-.02553	-.0346	.0015	-.0001	-.0025	-.3762	-.05960	6.31
151	.099	263.13	-.002	6.14	-.4168	-.02675	-.0365	.0017	.0000	-.0024	-.4115	-.06966	5.91
152	.099	262.97	-.002	6.85	-.4468	-.02779	-.0384	.0019	.0001	-.0019	-.4443	-.07909	5.57
153	.099	263.12	-.002	7.76	-.4985	-.02994	-.0414	.0017	-.0001	-.0018	-.4899	-.09516	5.15
154	.099	263.21	-.002	8.57	-.5416	-.03172	-.0432	.0019	-.0001	-.0014	-.5308	-.11024	4.82
155	.080	263.59	-.002	9.26	-.5734	-.03293	-.0439	.0020	-.0002	-.0010	-.5676	-.12298	4.56
156	.098	262.72	-.002	10.17	-.6214	-.03503	-.0453	.0020	-.0003	-.0007	-.6055	-.14243	4.25
157	.080	253.70	-.000	.65	-.1722	-.02219	-.0245	.0005	.0000	-.0004	-.1720	-.02235	7.75

POINT	ALPHA	CLSD	CLC	COM	COL	R/FT	TEMP
134	-5.76	.0000	.0000	.0000	.0010	2.01	118.1
135	-6.32	.0000	.0000	.0000	.0010	2.01	118.4
136	-3.73	.0001	.0000	.0000	.0010	2.01	118.5
137	-3.17	.0000	.0000	.0000	.0010	2.01	118.5
138	-2.44	.0000	.0000	.0000	.0010	2.00	118.5
139	-1.76	.0000	.0000	.0000	.0010	2.01	118.5
140	-1.24	.0000	.0000	.0000	.0010	2.01	118.5
141	-.07	.0000	.0000	.0000	.0010	2.01	118.6
142	-.01	.0000	.0000	.0000	.0010	2.01	118.6
143	.06	.0000	.0000	.0000	.0010	2.00	118.7
144	.47	.0000	.0000	.0000	.0010	2.00	118.7
145	.54	.0000	.0000	.0000	.0010	2.00	118.7
146	.54	.0000	.0000	.0000	.0010	2.00	118.7
147	.61	.0000	.0000	.0000	.0010	2.00	118.6
148	.62	.0000	.0000	.0000	.0010	2.00	118.6
149	.61	.0000	.0000	.0000	.0010	2.00	118.6
150	.63	.0000	.0000	.0000	.0010	2.00	118.5
151	.61	.0000	.0000	.0000	.0010	2.00	118.5
152	.62	.0000	.0000	.0000	.0010	2.00	118.5
153	.61	.0000	.0000	.0000	.0010	2.00	118.5
154	.67	.0000	.0000	.0000	.0010	2.00	118.5
155	.62	.0000	.0000	.0000	.0010	2.00	118.5
156	10.17	.0000	.0000	.0000	.0010	2.00	119.6
157	.65	.0000	.0000	.0000	.0010	2.00	118.6

TEST 421		RUN 47		MACH 1.200		CONFIG. 12							
POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
160	1.202	172.87	-.000	-5.39	-.1119	-.02333	-.0426	.0006	.0000	-.0007	-.1096	-.02006	74.11
161	1.202	172.85	-.000	-3.64	-.0452	-.02146	-.0311	.0006	.0007	-.0003	-.0446	-.02137	74.06
162	1.201	172.50	-.000	-3.13	-.0163	-.02242	-.0284	.0006	.0000	-.0000	-.0417	-.02106	74.00
163	1.201	172.51	-.000	-2.52	-.0394	-.02307	-.0277	.0006	.0000	-.0000	-.0318	-.02182	74.00
164	1.201	172.53	-.000	-1.89	-.0341	-.02377	-.0283	.0007	.0000	-.0000	-.0394	-.02196	74.00
165	1.201	172.53	-.000	-1.13	-.0652	-.02404	-.0297	.0007	.0000	-.0000	-.0515	-.02190	74.00
166	1.201	172.59	-.000	-.39	-.0952	-.02443	-.0294	.0007	.0000	-.0000	-.0616	-.02208	74.00
167	1.202	172.54	-.000	.31	-.1240	-.02455	-.0291	.0007	.0000	-.0000	-.0714	-.02212	74.00
168	1.200	172.47	-.000	1.11	-.1572	-.02467	-.0293	.0006	.0000	-.0000	-.0815	-.02212	74.00
169	1.199	172.33	-.000	1.82	-.1896	-.02501	-.0297	.0006	.0000	-.0000	-.0914	-.02214	74.00
170	1.200	172.47	-.000	2.62	-.2293	-.02544	-.0298	.0009	.0001	-.0001	-.1011	-.02219	74.00
171	1.202	172.42	-.001	3.42	-.2676	-.02683	-.0299	.0008	.0001	-.0001	-.1113	-.02215	74.00
172	1.200	172.47	-.001	4.27	-.3013	-.02762	-.0295	.0006	.0001	-.0000	-.1214	-.02214	74.00
173	1.200	172.36	-.001	5.05	-.3406	-.02894	-.0299	.0010	.0001	-.0000	-.1317	-.02214	74.00
174	1.199	172.31	-.000	5.97	-.3863	-.02987	-.0296	.0010	-.0000	-.0000	-.1420	-.02214	74.00
175	1.199	172.05	-.000	6.90	-.4374	-.03295	-.0299	.0010	-.0000	-.0000	-.1523	-.02214	74.00
176	1.200	172.03	-.001	7.74	-.4858	-.03493	-.0296	.0006	.0000	-.0000	-.1624	-.02214	74.00

POINT	ALPHA	CLSD	CLC	COM	COL	R/FT	TEMP
160	1.202	.0000	.0000	.0000	.0010	2.00	120.1
161	1.202	.0000	.0000	.0000	.0010	2.00	119.9
162	1.201	.0000	.0000	.0000	.0010	2.00	119.7
163	1.201	.0000	.0000	.0000	.0010	2.00	119.6
164	1.201	.0000	.0000	.0000	.0010	2.01	119.5
165	1.201	.0000	.0000	.0000	.0010	2.01	119.2
166	1.201	.0000	.0000	.0000	.0010	2.01	119.2
167	1.201	.0000	.0000	.0000	.0010	2.01	119.1
168	1.200	.0000	.0000	.0000	.0010	2.01	119.1
169	1.199	.0000	.0000	.0000	.0010	2.01	119.0
170	1.200	.0000	.0000	.0000	.0010	2.01	118.9
171	1.200	.0000	.0000	.0000	.0010	2.01	118.7
172	1.200	.0000	.0000	.0000	.0010	2.01	118.7
173	1.200	.0000	.0000	.0000	.0010	2.01	118.7
174	1.199	.0000	.0000	.0000	.0010	2.01	118.7
175	1.199	.0000	.0000	.0000	.0010	2.01	118.7
176	1.200	.0000	.0000	.0000	.0010	2.01	118.7

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NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

POINT	MACH	U	BETA	ALPHA	CX	CA	CM	CROLL	CYAW	CSTOE	CL	CD	L/D
177	1.998	380.40	-.001	-5.34	-.1038	.01909	.0375	.0008	.0006	-.0010	-.1015	.02063	-3.01
178	1.000	380.93	-.001	-3.97	-.0437	.02060	.0290	.0008	.0007	-.0012	-.0421	.02147	-1.96
179	1.000	380.94	-.001	-3.22	-.0130	.02126	.0250	.0008	.0007	-.0014	-.0118	.01980	-1.59
180	1.000	380.69	-.001	-2.55	.0149	.02174	.0210	.0009	.0007	-.0014	.0159	.01895	.84
181	1.000	380.94	-.001	-1.80	.0470	.02222	.0162	.0009	.0006	-.0014	.0477	.01864	2.55
182	1.000	380.84	.000	-1.19	.0707	.02254	.0130	.0009	.0006	-.0014	.0711	.01839	3.74
183	1.000	380.80	.000	-.50	.0993	.02278	.0093	.0008	.0005	-.0013	.0994	.01842	5.02
184	1.000	380.75	.000	.25	.1290	.02288	.0055	.0008	.0005	-.0014	.1289	.02133	6.05
185	1.000	380.95	.000	.98	.1588	.02287	.0021	.0008	.0004	-.0014	.1584	.02348	6.75
186	1.000	380.41	.001	1.69	.1887	.02307	-.0012	.0010	.0003	-.0013	.1880	.02653	7.09
187	1.000	380.40	.001	2.50	.2300	.02365	-.0057	.0011	.0002	-.0012	.2297	.03157	7.25
188	1.000	379.88	.001	3.26	.2645	.02423	-.0094	.0012	.0002	-.0015	.2627	.03714	7.77
189	1.000	381.14	.001	4.17	.3165	.02613	-.0151	.0013	.0001	-.0018	.3137	.04639	8.44
190	1.000	381.05	.002	5.05	.3587	.02767	-.0174	.0015	-.0002	-.0018	.3549	.05713	8.27
191	1.000	380.36	.003	5.97	.4042	.02945	-.0219	.0016	-.0004	-.0019	.3990	.07026	8.76
192	1.000	381.04	.004	1.75	.1940	.02313	-.0016	.0015	.0003	-.0013	.1932	.02643	7.17
193	1.001	381.26	.000	1.74	.1950	.02321	-.0020	.0010	.0003	-.0012	.1942	.02712	7.14

POINT	ALPHA	CLS0	CDL	CDR	CDI	R/FT	TEMP
177	-5.34	.0103	.00140	.00110	.0010	2.01	118.7
178	-3.97	.0018	.00147	.00110	.0010	2.01	118.7
179	-3.22	.0001	.00148	.00110	.0010	2.01	118.7
180	-2.55	.0003	.00149	.00110	.0010	2.01	118.7
181	-1.80	.0023	.00151	.00110	.0010	2.01	118.7
182	-1.19	.0051	.00153	.00110	.0010	2.01	118.7
183	-.50	.0099	.00158	.00110	.0010	2.01	118.7
184	.25	.0166	.00160	.00110	.0010	2.01	118.7
185	.98	.0251	.00164	.00110	.0010	2.01	118.7
186	1.69	.0353	.00166	.00110	.0010	2.01	118.7
187	2.50	.0523	.00167	.00110	.0010	2.01	118.7
188	3.26	.0800	.00168	.00110	.0010	2.00	118.7
189	4.17	.0984	.00169	.00110	.0010	2.01	118.7
190	5.05	.1259	.00169	.00110	.0010	2.01	118.5
191	5.97	.1592	.00169	.00110	.0010	2.04	118.5
192	1.75	.0373	.00165	.00110	.0010	2.01	118.7
193	1.74	.0377	.00165	.00110	.0010	2.01	118.7

POINT	MACH	U	BETA	ALPHA	CX	CA	CM	CROLL	CYAW	CSTOE	CL	CD	L/D
194	1.975	374.50	-.001	-5.40	-.1091	.01757	.0307	.0008	.0005	-.0007	-.1069	.02200	-3.01
195	1.975	375.35	-.001	-3.97	-.0427	.01935	.0289	.0008	.0007	-.0012	-.0413	.02200	-1.96
196	1.975	375.66	-.001	-3.27	-.0140	.02061	.0249	.0007	.0007	-.0013	-.0124	.02190	-1.59
197	1.977	375.92	-.001	-2.54	.0169	.02063	.0205	.0007	.0007	-.0016	.0174	.02110	.84
198	1.977	375.67	.000	-1.81	.0469	.02109	.0164	.0008	.0006	-.0015	.0474	.02189	2.55
199	1.977	375.98	.000	-1.10	.0743	.02144	.0128	.0009	.0006	-.0016	.0747	.02131	3.74
200	1.975	375.33	.000	-.44	.1011	.02154	.0095	.0008	.0005	-.0015	.1014	.02110	5.02
201	1.975	375.44	.000	.23	.1269	.02171	.0056	.0007	.0005	-.0013	.1264	.02201	6.05
202	1.976	375.81	.000	1.00	.1609	.02177	.0027	.0007	.0005	-.0014	.1605	.02267	6.75
203	1.975	375.40	.000	1.67	.1864	.02187	.0002	.0006	.0004	-.0015	.1857	.02500	7.09
204	1.976	375.04	.001	2.54	.2310	.02258	-.0044	.0011	.0003	-.0015	.2304	.03112	7.25
205	1.973	374.54	.001	3.35	.2721	.02336	-.0090	.0012	.0003	-.0017	.2703	.03751	7.77
206	1.974	374.75	.001	4.11	.3075	.02426	-.0121	.0013	.0002	-.0019	.3050	.04654	8.44
207	1.973	374.44	.001	5.02	.3583	.02625	-.0154	.0014	-.0001	-.0021	.3547	.05702	8.27
208	1.975	375.43	.000	5.90	.4019	.02820	-.0177	.0017	-.0003	-.0022	.3984	.07074	8.76
209	1.974	375.41	.001	1.74	.1939	.02201	-.0004	.0009	.0003	-.0014	.1932	.02619	7.17
210	1.974	374.92	.000	1.64	.1864	.02186	-.0003	.0009	.0004	-.0015	.1857	.02549	7.14

POINT	ALPHA	CLS0	CDL	CDR	CDI	R/FT	TEMP
194	-5.40	.0114	.00140	.00170	.0010	2.00	118.6
195	-3.97	.0017	.00144	.00170	.0010	2.01	118.6
196	-3.27	.0002	.00148	.00170	.0010	2.01	118.6
197	-2.54	.0003	.00148	.00170	.0010	2.01	118.6
198	-1.81	.0023	.00147	.00170	.0010	2.01	118.6
199	-1.10	.0056	.00147	.00170	.0010	2.01	118.7
200	-.44	.0103	.00149	.00170	.0010	2.01	118.7
201	.23	.0159	.00149	.00170	.0010	2.01	118.7
202	1.00	.0237	.00149	.00170	.0010	2.01	118.7
203	1.67	.0345	.00149	.00170	.0010	2.01	118.7
204	2.54	.0532	.00149	.00170	.0010	2.01	118.6
205	3.35	.0731	.00149	.00170	.0010	2.00	118.6
206	4.11	.0930	.00149	.00170	.0010	2.00	118.7
207	5.02	.1258	.00149	.00170	.0010	2.00	118.7
208	5.90	.1575	.00149	.00170	.0010	2.01	118.7
209	1.74	.0373	.00149	.00170	.0010	2.01	118.9
210	1.64	.0345	.00147	.00170	.0010	2.01	118.7

TEST 80		RUN 90		MACH .950		CONFIG. 12									
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CRULL	CYAW	CSIDE	CL	CU	L/D		
211	.950	359.30	-.000	-5.43	-.1122	.01710	.0392	.0006	.0005	-.0007	-.1101	-.0000	-6.24		
212	.943	368.86	-.000	-3.91	-.0413	.01894	.0292	.0008	.0006	-.0010	-.0096	-.0000	-1.90		
213	.951	369.53	-.000	-3.29	-.0176	.01961	.0260	.0009	.0006	-.0014	-.0100	-.0000	-4.86		
214	.949	358.87	-.000	-2.50	.0198	.02021	.0209	.0008	.0006	-.0014	-.0100	-.0000	-1.17		
215	.951	359.50	.000	-1.87	.0449	.02080	.0204	.0008	.0006	-.0016	-.0096	-.0000	2.59		
216	.950	365.29	.000	-1.15	.0740	.02103	.0137	.0008	.0005	-.0015	-.0096	-.0000	5.17		
217	.950	355.17	.000	-.45	.1017	.02125	.0103	.0008	.0006	-.0016	-.0096	-.0000	6.43		
218	.951	355.81	.000	.25	.1301	.02134	.0070	.0008	.0005	-.0016	-.0096	-.0000	6.44		
219	.950	355.05	.000	.99	.1619	.02129	.0036	.0008	.0006	-.0015	-.0096	-.0000	7.25		
220	.951	355.74	.000	1.69	.1896	.02132	.0008	.0008	.0005	-.0017	-.0096	-.0000	7.50		
221	.951	355.63	.000	2.54	.2358	.02136	-.0043	.0009	.0003	-.0015	-.0096	-.0000	7.59		
222	.948	368.89	.000	3.35	.2750	.02201	-.0092	.0011	.0003	-.0020	-.0096	-.0000	7.35		
223	.943	355.57	.000	4.14	.3138	.02385	-.0115	.0014	.0003	-.0021	-.0096	-.0000	6.95		
224	.949	355.14	.000	5.05	.3581	.02550	-.0138	.0016	-.0001	-.0022	-.0096	-.0000	6.62		
225	.951	369.74	.000	1.75	.1966	.02142	.0202	.0009	.0004	-.0016	-.0096	-.0000	7.62		
226	.952	371.16	.000	1.68	.1895	.02136	.0008	.0008	.0005	-.0016	-.0096	-.0000	7.49		

POINT	ALPHA	CLSD	CLC	CUB	COI	R/FT	TEMP
211	-5.43	.0000	.0000	.00070	.0010	2.01	118.6
212	-3.91	.0000	.0000	.00070	.0010	2.00	118.7
213	-3.29	.0000	.0000	.00070	.0010	2.01	118.7
214	-2.50	.0000	.0000	.00070	.0010	2.00	118.9
215	-1.87	.0000	.0000	.00070	.0010	2.01	118.9
216	-1.15	.0000	.0000	.00070	.0010	2.00	118.9
217	-.45	.0000	.0000	.00070	.0010	2.00	118.7
218	.25	.0000	.0000	.00070	.0010	2.01	118.9
219	.99	.0000	.0000	.00070	.0010	2.01	118.7
220	1.69	.0000	.0000	.00070	.0010	2.01	118.7
221	2.54	.0000	.0000	.00070	.0010	2.01	118.7
222	3.35	.0000	.0000	.00070	.0010	2.00	118.7
223	4.14	.0000	.0000	.00070	.0010	2.01	118.7
224	5.05	.0000	.0000	.00070	.0010	2.01	118.6
225	1.75	.0000	.0000	.00070	.0010	2.01	118.6
226	1.68	.0000	.0000	.00070	.0010	2.01	118.7

TEST 80		RUN 91		MACH .900		CONFIG. 12									
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CRULL	CYAW	CSIDE	CL	CU	L/D		
227	.900	357.34	-.000	-5.45	-.1109	.01689	.0386	.0008	.0005	-.0006	-.1088	-.0000	-6.24		
228	.902	358.34	-.000	-3.94	-.0417	.01879	.0293	.0007	.0006	-.0013	-.0096	-.0000	-1.90		
229	.902	358.52	.000	-3.22	-.0122	.01957	.0256	.0007	.0005	-.0013	-.0096	-.0000	-4.86		
230	.903	358.77	.000	-2.51	.0172	.02015	.0221	.0007	.0006	-.0014	-.0096	-.0000	-1.17		
231	.903	358.83	.000	-1.91	.0378	.02047	.0196	.0008	.0006	-.0016	-.0096	-.0000	2.59		
232	.902	358.70	.000	-1.16	.0709	.02089	.0159	.0008	.0005	-.0017	-.0096	-.0000	5.17		
233	.901	359.23	.000	-.52	.0935	.02091	.0135	.0007	.0004	-.0014	-.0096	-.0000	6.44		
234	.900	357.87	.000	.20	.1219	.02097	.0108	.0008	.0005	-.0017	-.0096	-.0000	7.25		
235	.900	357.75	.000	.98	.1545	.02094	.0080	.0007	.0005	-.0016	-.0096	-.0000	7.50		
236	.902	356.40	.000	1.70	.1848	.02084	.0057	.0007	.0004	-.0017	-.0096	-.0000	7.59		
237	.901	357.94	.000	2.47	.2201	.02123	-.0025	.0009	.0002	-.0015	-.0096	-.0000	7.35		
238	.902	358.00	.000	3.24	.2604	.02178	-.0054	.0010	.0003	-.0014	-.0096	-.0000	6.95		
239	.900	357.74	.000	3.98	.2914	.02233	-.0088	.0013	.0003	-.0013	-.0096	-.0000	6.62		
240	.902	358.71	.000	4.93	.3418	.02404	-.0071	.0016	.0001	-.0012	-.0096	-.0000	6.57		
241	.901	358.17	.000	1.70	.1853	.02088	.0057	.0008	.0004	-.0017	-.0096	-.0000	7.51		

POINT	ALPHA	CLSD	CLC	CUB	COI	R/FT	TEMP
227	-5.45	.0000	.0000	.00080	.0010	2.01	117.9
228	-3.94	.0000	.0000	.00080	.0010	2.01	118.0
229	-3.22	.0000	.0000	.00080	.0010	2.01	118.2
230	-2.51	.0000	.0000	.00080	.0010	2.01	118.5
231	-1.91	.0000	.0000	.00080	.0010	2.01	118.6
232	-1.16	.0000	.0000	.00080	.0010	2.01	118.7
233	-.52	.0000	.0000	.00080	.0010	2.01	118.7
234	.20	.0000	.0000	.00080	.0010	2.01	118.7
235	.98	.0000	.0000	.00080	.0010	2.01	118.7
236	1.70	.0000	.0000	.00080	.0010	2.01	118.7
237	2.47	.0000	.0000	.00080	.0010	2.01	118.7
238	3.24	.0000	.0000	.00080	.0010	2.01	118.6
239	3.98	.0000	.0000	.00080	.0010	2.01	118.5
240	4.93	.0000	.0000	.00080	.0010	2.01	118.6
241	1.70	.0000	.0000	.00080	.0010	2.01	118.7

		TEST 401	RUN 92	MACH .800	CONFIG. 12								
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSDIE	CL	CO	L/D
242	.800	329.27	.000	-5.36	-.1058	.01677	.0372	.0007	.0004	-.0006	-.1037	.02478	-4.19
243	.799	329.00	.000	-3.98	-.0435	.01664	.0299	.0006	.0005	-.0011	-.0421	.01982	-2.13
244	.799	329.06	.000	-3.27	-.0162	.01932	.0267	.0006	.0005	-.0013	-.0151	.01641	-.82
245	.800	329.34	.000	-2.61	.0088	.01986	.0240	.0006	.0005	-.0014	.0097	.01764	.55
246	.799	329.00	.000	-1.97	.0357	.02031	.0214	.0007	.0005	-.0016	.0364	.01727	2.11
247	.799	329.00	.000	-1.32	.0578	.02063	.0192	.0006	.0005	-.0015	.0583	.01750	3.33
248	.800	329.27	.000	-.59	.0867	.02075	.0167	.0006	.0004	-.0014	.0869	.01805	4.81
249	.799	329.06	.000	.07	.1102	.02075	.0148	.0006	.0004	-.0015	.1102	.01908	5.77
250	.799	329.00	.000	.75	.1350	.02062	.0131	.0005	.0004	-.0015	.1347	.02059	6.54
251	.799	329.06	.001	1.42	.1611	.02057	.0115	.0006	.0004	-.0017	.1605	.02277	7.25
252	.799	329.06	.001	2.20	.1952	.02073	.0099	.0007	.0002	-.0017	.1943	.02642	7.35
253	.798	329.59	.001	2.90	.2266	.02109	.0073	.0007	.0003	-.0019	.2253	.03074	7.33
254	.798	329.25	.001	3.75	.2667	.02168	.0048	.0011	.0004	-.0024	.2648	.03726	7.10
255	.799	329.07	.002	4.53	.3061	.02283	.0031	.0013	.0004	-.0026	.3033	.04512	6.72
256	.799	329.06	.002	4.74	.3133	.02291	.0027	.0014	.0004	-.0028	.3104	.04694	6.61
257	.801	329.74	.001	1.44	.1647	.02058	.0113	.0005	.0004	-.0018	.1641	.02293	7.16

POINT	ALPHA	CL50	CUC	CUB	CO1	R/FT	TEMP
242	-5.36	.0109	.00000	.00000	.0010	2.00	118.5
243	-3.98	.0018	.00137	.00000	.0010	2.00	118.5
244	-3.27	.0002	.00139	.00000	.0010	2.00	118.5
245	-2.61	.0011	.00127	.00000	.0010	2.00	118.5
246	-1.97	.0013	.00124	.00000	.0010	2.00	118.5
247	-1.32	.0034	.00110	.00000	.0010	2.00	118.5
248	-.59	.0076	.00112	.00000	.0010	2.00	118.6
249	.07	.0121	.00119	.00000	.0010	2.00	118.6
250	.75	.0191	.00119	.00000	.0010	2.00	118.6
251	1.42	.0254	.00119	.00000	.0010	2.00	118.6
252	2.20	.0377	.00119	.00000	.0010	2.00	118.6
253	2.90	.0547	.00119	.00000	.0010	2.00	118.6
254	3.75	.0701	.00119	.00000	.0010	2.00	118.6
255	4.53	.0921	.00112	.00000	.0010	2.00	118.6
256	4.74	.0963	.00119	.00000	.0010	2.00	118.6
257	1.44	.0269	.00112	.00000	.0010	2.00	118.6

		TEST 401	RUN 93	MACH .800	CONFIG. 12								
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSDIE	CL	CO	L/D
258	.801	269.79	.000	-5.32	-.1031	.01687	.0365	.0005	.0005	-.0007	-.1021	.02496	-4.14
259	.802	269.37	.000	-4.02	-.0490	.01848	.0313	.0004	.0003	-.0011	-.0476	.02007	-2.37
260	.802	269.54	.000	-3.34	-.0216	.01922	.0283	.0006	.0005	-.0015	-.0204	.01965	-1.10
261	.803	269.20	.000	-2.77	-.0008	.01971	.0261	.0006	.0004	-.0015	.0002	.01792	.001
262	.803	269.21	.000	-2.12	.0242	.02015	.0240	.0005	.0005	-.0019	.0249	.01745	1.43
263	.803	269.04	.000	-1.49	.0469	.02048	.0222	.0005	.0004	-.0017	.0474	.01748	2.72
264	.803	269.01	.000	-.87	.0690	.02062	.0205	.0005	.0004	-.0016	.0693	.01777	3.97
265	.801	269.52	.000	-.23	.0920	.02067	.0192	.0006	.0004	-.0016	.0921	.01851	4.94
266	.800	269.03	.000	.39	.1127	.02053	.0177	.0006	.0003	-.0016	.1124	.01950	5.76
267	.800	269.79	.000	1.01	.1321	.02031	.0168	.0004	.0004	-.0017	.1317	.02093	6.32
268	.800	269.45	.001	1.69	.1590	.02026	.0159	.0004	.0003	-.0019	.1583	.02313	6.54
269	.598	269.47	.001	2.37	.1830	.02037	.0154	.0005	.0002	-.0019	.1821	.02595	7.02
270	.599	269.37	.001	3.12	.2148	.02064	.0135	.0005	.0002	-.0022	.2134	.02915	7.10
271	.599	269.37	.001	3.72	.2482	.02107	.0119	.0008	.0005	-.0023	.2469	.03335	7.07
272	.800	269.54	.002	4.44	.2837	.02179	.0108	.0011	.0001	-.0025	.2824	.03833	6.64
273	.599	269.13	.002	5.17	.3145	.02261	.0106	.0013	.0001	-.0026	.3112	.04404	6.24
274	.599	269.37	.002	5.85	.3464	.02351	.0103	.0015	.0001	-.0026	.3422	.05041	5.81
275	.800	269.70	.002	6.10	.3564	.02367	.0103	.0016	.0001	-.0026	.3513	.05343	5.61
276	.802	269.01	.001	1.08	.1421	.02049	.0164	.0005	.0004	-.0019	.1417	.02136	6.84

POINT	ALPHA	CL50	CUC	CUB	CO1	R/FT	TEMP
258	-5.32	.0102	.00139	.00000	.0010	2.01	118.5
259	-4.02	.0023	.00139	.00000	.0010	2.01	118.5
260	-3.34	.0004	.00127	.00000	.0010	2.01	118.5
261	-2.77	.0000	.00114	.00000	.0010	2.02	118.5
262	-2.12	.0006	.00126	.00000	.0010	2.02	118.4
263	-1.49	.0022	.00115	.00000	.0010	2.02	118.4
264	-.87	.0048	.00111	.00000	.0010	2.01	118.4
265	-.23	.0085	.00110	.00000	.0010	2.01	118.6
266	.39	.0127	.00110	.00000	.0010	2.01	118.6
267	1.01	.0174	.00110	.00000	.0010	2.03	118.6
268	1.69	.0251	.00110	.00000	.0010	2.03	118.6
269	2.32	.0331	.00119	.00000	.0010	2.00	118.7
270	3.02	.0455	.00111	.00000	.0010	2.00	118.7
271	3.72	.0607	.00113	.00000	.0010	2.03	118.7
272	4.44	.0770	.00112	.00000	.0010	2.00	118.7
273	5.17	.0968	.00110	.00000	.0010	2.00	118.7
274	5.85	.1171	.00110	.00000	.0010	2.00	118.7
275	6.10	.1238	.00115	.00000	.0010	2.03	118.6
276	1.08	.0201	.00111	.00000	.0010	2.01	118.6

TEST 96 RUN 96 MACH 1.200 CONFIG. 13

POINT	H/MF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CG	L/D
281	1.200	417.95	-.001	-5.94	-.1139	.01630	.0207	.0006	.0003	.0003	-.1117	.0249	-0.49
281	1.201	417.90	-.001	-4.43	-.0697	.01926	.0118	.0007	.0003	-.0000	-.0481	.0190	-0.41
282	1.201	417.53	-.000	-3.68	-.0194	.02026	.0076	.0006	.0003	-.0003	-.0181	.0189	-0.46
283	1.202	417.04	-.000	-2.94	.0121	.02127	.0034	.0007	.0003	-.0004	.0132	.0176	-0.75
284	1.201	417.59	-.000	-2.27	.0396	.02197	-.0003	.0007	.0003	-.0003	.0404	.0172	-0.36
285	1.201	417.01	-.000	-1.48	.0728	.02251	-.0050	.0008	.0003	-.0006	.0733	.0175	-0.10
286	1.201	417.49	-.000	-.80	.0986	.02272	-.0087	.0006	.0003	-.0006	.0989	.0147	-0.42
287	1.201	417.01	-.000	-.05	.1311	.02281	-.0134	.0008	.0002	-.0006	.1311	.0194	-0.49
288	1.202	417.42	-.000	.67	.1605	.02282	-.0178	.0007	.0002	-.0006	.1662	.0214	-0.42
289	1.200	417.52	-.000	1.39	.1906	.02281	-.0223	.0007	.0002	-.0006	.1900	.0244	-0.41
290	1.201	417.98	-.000	2.10	.2224	.02294	-.0272	.0006	.0001	-.0007	.2214	.0270	-0.52
291	1.200	417.47	-.000	2.86	.2580	.02327	-.0332	.0009	.0000	-.0005	.2565	.0307	-0.77
292	1.200	417.22	-.001	3.63	.2946	.02369	-.0387	.0009	-.0001	-.0004	.2925	.0347	-0.68
293	1.199	417.26	-.001	4.42	.3321	.02409	-.0436	.0009	-.0002	-.0005	.3293	.0387	-0.74
294	1.200	417.60	-.001	5.20	.3687	.02484	-.0478	.0010	-.0003	-.0004	.3649	.0427	-0.63
295	1.200	417.42	-.001	6.16	.4128	.02600	-.0518	.0009	-.0005	-.0001	.4076	.0471	-0.66
296	1.200	417.45	-.002	6.92	.4484	.02706	-.0548	.0008	-.0005	-.0004	.4414	.0517	-0.59
297	1.199	417.33	-.000	1.44	.2008	.02284	-.0237	.0007	.0001	-.0007	.2002	.0244	-0.70

POINT	ALPHA	CLS0	LOC	CDB	CDI	R/FT	TEMP
287	-5.94	.0125	.00118	.00210	.0010	2.01	119.2
281	-4.43	.0023	.00110	.00210	.0010	2.01	119.1
282	-3.68	.0003	.00104	.00210	.0010	2.01	119.1
283	-2.94	.0002	.00112	.00210	.0010	2.01	119.1
284	-2.27	.0016	.00112	.00210	.0010	2.01	119.1
285	-1.48	.0054	.00112	.00210	.0010	2.01	119.1
286	-.80	.0098	.00104	.00210	.0010	2.01	119.0
287	-.05	.0172	.00110	.00210	.0010	2.01	119.0
288	.67	.0257	.00104	.00210	.0010	2.01	119.0
289	1.39	.0361	.00104	.00210	.0010	2.01	118.9
290	2.10	.0490	.00104	.00210	.0010	2.01	118.9
291	2.86	.0650	.00107	.00210	.0010	2.01	118.9
292	3.63	.0856	.00104	.00210	.0010	2.01	118.9
293	4.42	.1084	.00101	.00210	.0010	2.01	118.9
294	5.20	.1332	.00102	.00210	.0010	2.01	118.9
295	6.16	.1601	.00104	.00210	.0010	2.01	118.9
296	6.92	.1952	.00104	.00210	.0010	2.01	118.9
297	1.44	.0451	.00102	.00210	.0010	2.01	118.9

TEST 96 RUN 95 MACH 1.000 CONFIG. 13

POINT	H/MF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CG	L/D
298	1.000	380.55	-.001	-5.99	-.1102	.01680	.0144	.0007	.0001	.0006	-.1174	.0275	-0.47
299	1.002	381.46	-.000	-4.45	-.0640	.01924	.0072	.0008	.0001	-.0001	-.0494	.0270	-0.44
300	1.002	381.50	-.000	-3.72	-.0117	.02290	.0049	.0008	.0001	-.0000	-.0214	.0280	-0.50
301	1.000	380.85	-.000	-2.93	.0192	.02067	.0017	.0008	.0000	-.0002	.0273	.0280	-0.18
302	1.000	380.74	-.000	-2.25	.0474	.02115	-.0022	.0009	.0001	-.0003	.0444	.0280	-0.47
303	1.000	380.85	-.000	-1.53	.0745	.02142	-.0055	.0009	.0001	-.0004	.0741	.0280	-0.47
304	1.000	381.01	-.000	-.74	.1083	.02149	-.0093	.0009	.0001	-.0003	.1046	.0280	-0.43
305	1.000	380.94	-.000	.13	.1329	.02142	-.0120	.0009	.0000	-.0004	.1329	.0280	-0.49
306	1.000	380.38	-.000	.61	.1647	.02129	-.0161	.0009	.0001	-.0006	.1645	.0280	-0.45
307	1.000	380.86	-.000	1.36	.1969	.02111	-.0199	.0009	.0001	-.0007	.1944	.0280	-0.49
308	1.000	380.69	-.001	2.07	.2305	.02114	-.0240	.0010	.0001	-.0005	.2246	.0280	-0.44
309	1.000	380.50	-.001	2.93	.2730	.02133	-.0279	.0011	.0001	-.0005	.2715	.0280	-0.47
310	1.000	380.65	-.001	3.64	.3067	.02142	-.0319	.0013	.0000	-.0004	.3047	.0280	-0.47
311	1.000	380.60	-.001	4.40	.3433	.02175	-.0378	.0014	-.0001	-.0001	.3404	.0280	-0.42
312	1.000	380.60	-.001	5.20	.3830	.02260	-.0425	.0016	-.0003	-.0003	.3744	.0280	-0.44
313	1.000	380.55	-.002	6.05	.4261	.02363	-.0463	.0015	-.0004	-.0006	.4212	.0280	-0.35
314	1.000	380.55	-.001	6.88	.4661	.02485	-.0492	.0015	-.0003	-.0007	.4594	.0280	-0.47
315	1.000	380.64	-.001	7.60	.5151	.02585	-.0529	.0018	-.0002	-.0009	.5067	.0280	-0.47
316	1.000	380.94	-.000	1.45	.2088	.02123	-.0214	.0009	-.0000	-.0005	.2042	.0280	-0.45

POINT	ALPHA	CLS0	LOC	CDB	CDI	R/FT	TEMP
298	-5.99	.0116	.00002	.00110	.0010	2.01	118.6
299	-4.45	.0015	.00000	.00110	.0010	2.01	118.6
300	-3.72	.0001	.00005	.00110	.0010	2.01	118.6
301	-2.93	.0004	.00000	.00110	.0010	2.01	118.6
302	-2.25	.0023	.00000	.00110	.0010	2.01	118.7
303	-1.53	.0058	.00003	.00110	.0010	2.01	118.7
304	-.74	.0118	.00002	.00110	.0010	2.01	118.7
305	.13	.0177	.00000	.00110	.0010	2.01	118.7
306	.61	.0271	.00001	.00110	.0010	2.01	118.6
307	1.36	.0386	.00002	.00110	.0010	2.01	118.7
308	2.07	.0527	.00000	.00110	.0010	2.01	118.6
309	2.93	.0737	.00000	.00110	.0010	2.01	118.6
310	3.64	.0928	.00012	.00110	.0010	2.01	118.7
311	4.40	.1160	.00014	.00110	.0010	2.01	118.7
312	5.20	.1439	.00015	.00110	.0010	2.01	118.6
313	6.05	.1774	.00016	.00110	.0010	2.01	118.6
314	6.88	.2114	.00018	.00110	.0010	2.01	118.7
315	7.60	.2567	.00021	.00110	.0010	2.01	118.7
316	1.45	.0433	.00004	.00110	.0010	2.01	118.7

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 404		RUN 96		MACH .975		CONFIG. 13							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	ROLL	GYM	CSIDE	CL	CD	L/D
317	.972	373.96	.000	-5.91	-.1055	.01516	.0140	.0006	.0002	.0002	-.1034	.02424	-4.26
318	.975	374.82	.000	-4.49	-.0461	.01762	.0072	.0007	.0000	-.0001	-.0446	.01929	-2.32
319	.977	375.49	.000	-3.71	-.0116	.01866	.0038	.0008	.0001	-.0002	-.0103	.01747	-1.59
320	.975	375.01	.000	-2.95	.0198	.01918	.0003	.0008	.0001	-.0004	.0208	.01643	1.26
321	.973	374.16	.000	-2.26	.0493	.01966	-.0029	.0009	.0001	-.0005	.0500	.01601	3.13
322	.974	374.77	.000	-1.58	.0745	.01999	-.0059	.0009	.0001	-.0006	.0750	.01622	4.63
323	.974	374.61	.000	-.86	.1053	.02014	-.0096	.0008	.0001	-.0004	.1056	.01646	6.26
324	.974	374.65	.000	-.09	.1379	.02021	-.0133	.0008	.0001	-.0005	.1379	.01629	7.54
325	.974	374.51	.000	.58	.1641	.02013	-.0162	.0008	.0001	-.0007	.1639	.02010	9.15
326	.974	374.70	.000	1.31	.1934	.02002	-.0196	.0008	.0001	-.0009	.1931	.02274	9.49
327	.975	374.95	.000	2.08	.2304	.02011	-.0237	.0010	-.0000	-.0006	.2296	.02676	4.58
328	.975	374.92	.000	2.82	.2671	.02029	-.0287	.0011	.0000	-.0008	.2658	.03171	4.35
329	.974	374.65	.000	3.55	.3010	.02026	-.0324	.0012	.0000	-.0010	.2992	.03717	4.05
330	.973	374.24	.000	4.37	.3407	.02067	-.0367	.0016	-.0001	-.0011	.3381	.04404	7.54
331	.973	374.16	.000	5.19	.3827	.02137	-.0406	.0018	-.0002	-.0010	.3792	.05415	7.00
332	.973	374.60	.000	6.02	.4214	.02236	-.0432	.0015	-.0003	-.0006	.4168	.06477	6.43
333	.973	374.04	.000	6.87	.4622	.02373	-.0447	.0015	-.0003	-.0004	.4501	.07713	5.91
334	.973	374.12	.000	7.78	.5092	.02553	-.0473	.0017	-.0003	-.0003	.5010	.09251	5.42
335	.974	374.71	.000	1.34	.2022	.02015	-.0205	.0009	.0001	-.0009	.2017	.02318	8.70

POINT	ALPHA	CLSO	CDC	COB	COI	R/FT	TEMP
317	-5.91	.0107	.00017	.00070	.0010	2.00	118.6
318	-4.49	.0020	.00019	.00070	.0010	2.00	118.6
319	-3.71	.0001	.00013	.00070	.0010	2.00	118.7
320	-2.95	.0004	.00019	.00070	.0010	2.00	118.7
321	-2.26	.0025	.00015	.00070	.0010	2.00	118.7
322	-1.58	.0056	.00015	.00070	.0010	2.00	118.7
323	-.86	.0111	.00017	.00070	.0010	2.00	118.6
324	-.09	.0190	.00018	.00070	.0010	2.00	118.6
325	.58	.0268	.00019	.00070	.0010	2.00	118.6
326	1.31	.0373	.00019	.00070	.0010	2.00	118.6
327	2.08	.0527	.00021	.00070	.0010	2.00	118.7
328	2.82	.0706	.00024	.00070	.0010	2.00	118.7
329	3.55	.0895	.00027	.00070	.0010	2.00	118.9
330	4.37	.1143	.00031	.00070	.0010	2.00	118.7
331	5.19	.1438	.00036	.00070	.0010	2.00	118.7
332	6.02	.1737	.00033	.00070	.0010	2.00	118.7
333	6.87	.2080	.00038	.00070	.0010	2.00	118.7
334	7.78	.2510	.00038	.00070	.0010	2.00	118.6
335	1.34	.0407	.00019	.00070	.0010	2.00	118.7

TEST 401		RUN 97		MACH .950		CONFIG. 13							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	ROLL	GYM	CSIDE	CL	CD	L/D
336	.950	369.71	.000	-5.96	-.1111	.01436	.0151	.0005	.0001	.0002	-.1090	.02413	-4.50
337	.952	370.53	.000	-4.41	-.0411	.01704	.0072	.0007	.0001	-.0002	-.0347	.01946	-2.15
338	.951	369.95	.000	-3.73	-.0134	.01771	.0045	.0007	.0001	-.0003	-.0122	.01886	-1.73
339	.951	370.02	.000	-2.99	.0192	.01855	.0011	.0008	.0001	-.0005	.0191	.01547	1.21
340	.950	369.82	.000	-2.26	.0482	.01910	-.0021	.0008	.0002	-.0007	.0438	.01547	3.15
341	.951	370.20	.000	-1.53	.0785	.01952	-.0056	.0008	.0002	-.0007	.0790	.01577	4.63
342	.951	369.94	.000	-.82	.1090	.01964	-.0090	.0008	.0001	-.0006	.1093	.01637	6.26
343	.952	370.47	.000	-.12	.1372	.01975	-.0124	.0007	.0001	-.0004	.1373	.01676	7.73
344	.952	370.49	.000	.61	.1673	.01955	-.0158	.0007	.0001	-.0006	.1671	.01643	9.15
345	.950	369.78	.000	1.34	.1998	.01933	-.0191	.0007	.0001	-.0009	.1943	.02226	9.50
346	.951	370.29	.000	2.08	.2307	.01941	-.0229	.0009	-.0000	-.0004	.2299	.02676	7.52
347	.951	369.94	.000	2.78	.2651	.01942	-.0275	.0010	-.0001	-.0007	.2639	.03171	4.63
348	.952	370.65	.000	3.54	.3044	.01969	-.0320	.0012	.0000	-.0012	.3026	.03696	4.19
349	.951	369.94	.000	4.37	.3405	.01984	-.0366	.0016	-.0000	-.0013	.3394	.04401	7.54
350	.951	370.02	.000	5.17	.3800	.02053	-.0381	.0017	-.0002	-.0011	.3764	.05415	7.11
351	.951	369.89	.000	6.04	.4207	.02137	-.0409	.0015	-.0002	-.0017	.4141	.06477	6.52
352	.951	370.26	.000	6.88	.4649	.02294	-.0434	.0015	-.0002	-.0010	.4590	.07576	4.96
353	.951	370.17	.000	7.73	.5097	.02452	-.0451	.0016	-.0003	-.0011	.4974	.08806	5.44
354	.951	370.13	.000	1.43	.2088	.01944	-.0201	.0008	.0002	-.0009	.2081	.02318	8.70

POINT	ALPHA	CLSO	CDC	COB	COI	R/FT	TEMP
336	-5.96	.0119	.00019	.00070	.0010	2.01	118.7
337	-4.41	.0016	.00023	.00070	.0010	2.01	118.7
338	-3.73	.0001	.00019	.00070	.0010	2.01	118.7
339	-2.99	.0004	.00023	.00070	.0010	2.01	118.7
340	-2.26	.0024	.00019	.00070	.0010	2.01	118.7
341	-1.53	.0062	.00019	.00070	.0010	2.01	118.7
342	-.82	.0119	.00019	.00070	.0010	2.01	118.7
343	-.12	.0188	.00023	.00070	.0010	2.01	118.7
344	.61	.0279	.00027	.00070	.0010	2.01	118.7
345	1.34	.0397	.00030	.00070	.0010	2.01	118.7
346	2.08	.0528	.00031	.00070	.0010	2.01	118.7
347	2.78	.0696	.00033	.00070	.0010	2.01	118.7
348	3.54	.0914	.00036	.00070	.0010	2.01	118.7
349	4.37	.1142	.00039	.00070	.0010	2.01	118.7
350	5.17	.1418	.00041	.00070	.0010	2.01	118.6
351	6.04	.1731	.00044	.00070	.0010	2.01	118.6
352	6.88	.2105	.00045	.00070	.0010	2.01	118.6
353	7.73	.2478	.00047	.00070	.0010	2.01	118.7
354	1.43	.0434	.00031	.00070	.0010	2.01	118.7

TEST #	RUN #	MACH	ALPHA	CONFIG.	13	POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CRULL	CVAW	CSIDE	CL	CD	L/D
355	900	357.23	-5.40	-1060	.01418	.0163	.0605	.0022	.0001	-1060	.02319	-4.48							
356	900	357.21	-4.44	-1060	.01654	.0075	.0007	.0001	-1034	-0.006	.01791	-2.27							
357	900	357.14	-3.64	-1092	.01750	.0045	.0007	.0001	-1034	-0.001	.01626	-1.50							
358	901	357.27	-3.00	-1169	.01818	.0020	.0008	.0002	-1035	.0178	.01547	1.15							
359	900	357.92	-2.30	-1439	.01875	-0.005	.0008	.0002	-1008	.0446	.01517	2.06							
360	899	357.67	-1.56	-1731	.01910	-0.002	.0007	.0001	-1006	.0736	.01530	4.81							
361	899	356.79	-0.87	-1011	.01915	-0.0059	.0008	.0001	-1007	.1014	.01582	6.41							
362	900	357.09	-1.16	-1298	.01919	-0.007	.0007	.0001	-1008	.1299	.01704	7.62							
363	900	356.92	-1.55	-1582	.01898	-0.0114	.0007	.0001	-1008	.1589	.01871	8.45							
364	900	357.04	1.27	1863	.01868	-0.0138	.0007	.0001	-1011	.1459	.02162	8.86							
365	900	357.04	2.11	2185	.01857	-0.0166	.0008	.0006	-1008	.2177	.02446	9.92							
366	900	356.94	2.76	2543	.01845	-0.0205	.0009	-0.001	-1007	.2532	.02886	11.77							
367	900	357.10	3.49	2880	.01849	-0.0234	.0012	-0.000	-1006	.2863	.03421	13.37							
368	899	356.94	4.29	3241	.01867	-0.0266	.0015	-0.001	-1013	.3218	.04107	15.06							
369	899	356.75	5.14	3652	.01913	-0.0298	.0018	-0.001	-1013	.3629	.04994	17.25							
370	900	356.98	5.92	4052	.01991	-0.0326	.0018	-0.001	-1014	.4019	.05942	19.79							
371	900	357.22	6.77	4481	.02127	-0.0347	.0015	-0.001	-1013	.4425	.07216	23.13							
372	900	357.04	7.64	4928	.02307	-0.0370	.0013	-0.003	-1013	.4853	.08545	26.61							
373	899	356.84	8.49	5378	.02490	-0.0389	.0014	-0.003	-1015	.5242	.10226	31.16							
374	899	356.90	1.33	1954	.01873	-0.0144	.0007	.0001	-1010	.1949	.02148	9.08							

POINT	ALPHA	CLSD	CLL	CDR	CDI	R/FT	TEMP
355	-5.40	.0160	.00000	.00000	.0010	2.01	119.4
356	-4.44	.01610	.00000	.00000	.0010	2.01	118.6
357	-3.64	.01601	.00000	.00000	.0010	2.01	118.7
358	-3.00	.01603	.00000	.00000	.0010	2.01	118.7
359	-2.30	.01627	.00000	.00000	.0010	2.00	118.7
360	-1.56	.01654	.00000	.00000	.0010	2.00	119.7
361	-0.87	.01683	.00000	.00000	.0010	2.00	119.7
362	-1.16	.01684	.00000	.00000	.0010	2.00	118.7
363	-1.55	.01652	.00000	.00000	.0010	2.01	118.6
364	1.27	.01645	.00000	.00000	.0010	2.01	118.6
365	2.11	.01674	.00000	.00000	.0010	2.00	118.7
366	2.76	.01661	.00000	.00000	.0010	2.00	118.7
367	3.49	.01682	.00000	.00000	.0010	2.00	119.7
368	4.29	.01635	.00000	.00000	.0010	2.01	118.6
369	5.14	.01611	.00000	.00000	.0010	2.00	118.6
370	5.92	.01604	.00000	.00000	.0010	2.01	118.6
371	6.77	.01658	.00000	.00000	.0010	2.01	118.7
372	7.64	.01655	.00000	.00000	.0010	2.00	118.7
373	8.49	.01702	.00000	.00000	.0010	2.00	118.7
374	1.33	.01680	.00000	.00000	.0010	2.00	118.7

TEST #	RUN #	MACH	ALPHA	CONFIG.	13	POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CRULL	CVAW	CSIDE	CL	CD	L/D
375	890	329.87	-5.83	-1040	.01394	.0132	.0008	.0002	-1001	-1.021	.02202	-4.51							
376	890	329.53	-4.35	-10376	.01644	.0072	.0007	.0001	-1002	-1.357	.02145	-3.47							
377	890	329.47	-3.72	-10125	.01721	.0051	.0007	.0001	-1004	-1.711	.02149	-2.77							
378	890	329.88	-2.98	-10163	.01796	.0027	.0008	.0001	-1006	-2.177	.02152	-2.14							
379	890	329.53	-2.31	-10421	.01866	.0007	.0007	.0001	-1004	-2.474	.02144	-1.67							
380	890	329.94	-1.62	-10693	.01880	-0.0014	.0007	.0002	-1006	-2.774	.02152	-1.25							
381	890	330.01	-0.95	-10949	.01887	-0.0035	.0008	.0001	-1007	-3.051	.02150	-0.86							
382	890	330.01	-0.27	-11190	.01885	-0.0059	.0008	.0001	-1009	-3.391	.02149	-0.48							
383	890	329.81	0.43	-11469	.01880	-0.0076	.0008	.0002	-1009	-3.669	.02170	-0.10							
384	890	329.53	1.11	-11718	.01835	-0.0092	.0008	.0002	-1006	-3.914	.02147	0.28							
385	890	329.84	1.83	-12001	.01810	-0.0112	.0008	.0001	-1012	-4.194	.02142	0.66							
386	890	329.96	2.52	-12284	.01793	-0.0136	.0007	-0.000	-1007	-4.477	.02147	1.04							
387	890	329.67	3.23	-12612	.01785	-0.0164	.0008	.0001	-1012	-4.759	.02146	1.42							
388	890	330.22	4.07	-12988	.01781	-0.0187	.0013	.0001	-1018	-5.044	.02146	1.80							
389	890	330.24	4.75	-13305	.01791	-0.0204	.0017	.000	-1019	-5.329	.02149	2.18							
390	890	330.01	5.61	-13707	.01842	-0.0226	.0017	-0.001	-1017	-5.617	.02140	2.56							
391	890	330.01	6.32	-14035	.01905	-0.0241	.0016	-0.000	-1019	-5.907	.02144	2.94							
392	890	329.73	7.10	-14491	.02060	-0.0257	.0015	.000	-1017	-6.197	.02140	3.32							
393	890	329.53	8.01	-14922	.02196	-0.0273	.0011	-0.003	-1015	-6.484	.02140	3.70							
394	890	330.01	8.83	-15331	.02321	-0.0289	.0015	-0.002	-1022	-6.772	.02137	4.08							
395	890	329.67	1.10	-1774	.01838	-0.0097	.0008	.0001	-1010	-1.770	.02017	8.77							

POINT	ALPHA	CLSD	CLL	CDR	CDI	R/FT	TEMP
375	-5.83	.01394	.00000	.00000	.0010	2.01	119.7
376	-4.35	.01644	.00000	.00000	.0010	2.00	118.9
377	-3.72	.01721	.00000	.00000	.0010	2.01	119.7
378	-2.98	.01796	.00000	.00000	.0010	2.01	118.7
379	-2.31	.01866	.00000	.00000	.0010	2.00	118.7
380	-1.62	.01880	.00000	.00000	.0010	2.01	118.7
381	-0.95	.01887	.00000	.00000	.0010	2.01	118.6
382	-0.27	.01885	.00000	.00000	.0010	2.01	118.6
383	0.43	.01880	.00000	.00000	.0010	2.01	118.6
384	1.11	.01835	.00000	.00000	.0010	2.01	118.6
385	1.83	.01810	.00000	.00000	.0010	2.01	118.6
386	2.52	.01793	.00000	.00000	.0010	2.00	118.7
387	3.23	.01785	.00000	.00000	.0010	2.00	118.7
388	4.07	.01781	.00000	.00000	.0010	2.01	118.7
389	4.75	.01791	.00000	.00000	.0010	2.01	118.7
390	5.61	.01842	.00000	.00000	.0010	2.01	118.6
391	6.32	.01905	.00000	.00000	.0010	2.01	118.6
392	7.10	.02060	.00000	.00000	.0010	2.00	118.7
393	8.01	.02196	.00000	.00000	.0010	2.00	118.7
394	8.83	.02321	.00000	.00000	.0010	2.01	118.7
395	1.10	.01838	.00000	.00000	.0010	2.01	118.6

ORIGINAL PAGE IS OF POOR QUALITY

TEST 481 RUN 100 MACH .600 CONFIG. 13

POINT	MINF	Q	BETA	ALPHA	CM	CA	CH	CMOLL	CVAM	CSIDE	CL	CO	L/D
396	.600	263.70	-.00	-5.70	-.0975	.01388	.0116	.0004	.0001	-.0001	-.0957	.02169	-4.41
397	.599	263.29	.00	-4.33	-.0373	.01622	.0070	.0006	.0001	-.0005	-.0360	.01719	-2.09
398	.600	263.62	.00	-3.69	-.0129	.01697	.0054	.0005	.0001	-.0004	-.0116	.01595	-.73
399	.600	263.70	.00	-3.00	.0134	.01769	.0038	.0005	.0001	-.0008	.0143	.01516	.95
400	.600	263.71	.00	-2.42	.0355	.01813	.0024	.0006	.0002	-.0009	.0363	.01482	2.45
401	.600	263.70	.00	-1.79	.0583	.01840	.0009	.0006	.0001	-.0009	.0588	.01477	3.98
402	.600	263.62	.00	-1.14	.0829	.01854	-.0008	.0006	.0002	-.0010	.0833	.01509	5.52
403	.600	263.95	.00	-.47	.1062	.01853	-.0023	.0006	.0001	-.0009	.1063	.01586	6.70
404	.601	264.20	.00	.14	.1283	.01840	-.0038	.0006	.0002	-.0011	.1282	.01691	7.58
405	.600	263.62	.00	.78	.1494	.01812	-.0051	.0004	.0002	-.0010	.1492	.01835	8.13
406	.600	263.37	.00	1.40	.1726	.01793	-.0063	.0004	.0002	-.0014	.1721	.02032	8.47
407	.600	264.03	.00	2.08	.1985	.01760	-.0076	.0005	.0000	-.0010	.1977	.02301	8.59
408	.600	263.46	.00	2.72	.2251	.01738	-.0092	.0005	.0000	-.0013	.2246	.02624	8.54
409	.600	263.95	.00	3.35	.2487	.01718	-.0111	.0007	.0002	-.0017	.2473	.02987	8.28
410	.599	263.29	.00	4.02	.2792	.01707	-.0126	.0013	.0001	-.0018	.2773	.03478	7.97
411	.599	263.21	.00	4.73	.3080	.01694	-.0136	.0017	.0001	-.0021	.3056	.04047	7.55
412	.600	263.62	.00	5.43	.3403	.01710	-.0151	.0017	-.0001	-.0023	.3372	.04762	7.11
413	.599	263.38	.00	6.14	.3741	.01755	-.0161	.0017	-.0001	-.0020	.3700	.05567	6.65
414	.600	263.45	.00	6.85	.4068	.01838	-.0165	.0014	-.0000	-.0020	.4017	.06493	6.19
415	.599	262.97	.00	7.62	.4490	.01958	-.0174	.0011	.0001	-.0024	.4425	.07716	5.73
416	.599	263.38	.00	8.35	.4849	.02038	-.0185	.0009	-.0002	-.0020	.4768	.08881	5.37
417	.600	264.03	.00	9.16	.5298	.02157	-.0192	.0019	-.0002	-.0028	.5196	.10382	5.00
418	.600	263.78	.00	.78	.1513	.01818	-.0052	.0005	.0001	-.0009	.1511	.01843	8.20

POINT	ALPHA	CLSO	CLC	COB	COI	R/FT	TEMP
396	-5.70	.0092	.00000	.00080	.0010	2.01	118.0
397	-4.33	.0013	.00000	.00080	.0010	2.00	118.2
398	-3.69	.0001	.00000	.00080	.0010	2.01	118.2
399	-3.00	.0002	.00000	.00080	.0010	2.00	118.5
400	-2.42	.0013	.00000	.00080	.0010	2.00	118.6
401	-1.79	.0035	.00000	.00080	.0010	2.00	118.7
402	-1.14	.0069	.00000	.00080	.0010	2.00	118.7
403	-.47	.0113	.00000	.00080	.0010	2.00	119.7
404	.14	.0164	.00000	.00080	.0010	2.01	118.7
405	.78	.0223	.00000	.00080	.0010	2.00	118.6
406	1.40	.0296	.00000	.00080	.0010	2.00	118.6
407	2.08	.0391	.00000	.00080	.0010	2.01	118.6
408	2.72	.0520	.00000	.00080	.0010	2.00	118.5
409	3.35	.0612	.00000	.00080	.0010	2.01	118.5
410	4.02	.0769	.00000	.00080	.0010	2.00	118.5
411	4.73	.0934	.00000	.00080	.0010	2.00	118.5
412	5.43	.1137	.00000	.00080	.0010	2.00	118.5
413	6.14	.1369	.00000	.00080	.0010	2.00	118.6
414	6.85	.1613	.00000	.00080	.0010	2.01	118.6
415	7.62	.1958	.00000	.00080	.0010	2.00	118.7
416	8.35	.2273	.00000	.00080	.0010	2.00	118.7
417	9.16	.2700	.00000	.00080	.0010	2.01	118.6
418	.78	.0228	.00000	.00080	.0010	2.00	118.6

TEST 481 RUN 101 MACH 1.200 CONFIG. 13

POINT	MINF	Q	BETA	ALPHA	CM	CA	CH	CMOLL	CVAM	CSIDE	CL	CO	L/D
19	1.200	417.37	2.02	-5.90	-.1189	.01649	.0218	.0026	.0025	-.0089	-.1165	.02550	-4.57
20	1.201	417.61	2.03	-4.33	-.0686	.01921	.0116	.0011	.0025	-.0090	-.0470	.01972	-2.34
21	1.201	417.50	2.03	-3.69	-.0214	.02014	.0077	.0006	.0026	-.0090	-.0201	.01937	-1.09
22	1.201	417.61	2.03	-2.90	.0098	.02105	.0055	.0001	.0025	-.0092	.0109	.01743	.62
23	1.201	417.58	2.03	-2.17	.0397	.02194	-.0008	.0006	.0025	-.0093	.0405	.01722	2.35
24	1.200	417.34	2.03	-1.47	.0667	.02229	-.0042	.0011	.0024	-.0095	.0672	.01747	3.95
25	1.201	417.56	2.03	-.74	.0954	.02258	-.0082	.0017	.0024	-.0099	.0957	.01824	5.25
26	1.201	417.55	2.03	-.02	.1257	.02270	-.0125	.0023	.0023	-.0099	.1257	.01956	6.43
27	1.201	417.48	2.04	.70	.1551	.02265	-.0169	.0030	.0022	-.0100	.1549	.02145	7.22
28	1.200	417.33	2.04	1.43	.1866	.02268	-.0215	.0036	.0021	-.0108	.1867	.02422	7.68
29	1.201	417.48	2.04	2.18	.2214	.02276	-.0271	.0041	.0019	-.0098	.2204	.02837	7.49
30	1.201	417.55	2.04	2.93	.2564	.02307	-.0327	.0045	.0014	-.0091	.2548	.03305	7.71
31	1.201	417.53	2.04	3.67	.2918	.02355	-.0385	.0052	.0007	-.0079	.2897	.03869	7.41
32	1.201	417.53	2.03	4.49	.3327	.02428	-.0442	.0057	.0004	-.0071	.3237	.04417	6.99
33	1.200	417.31	2.03	5.30	.3694	.02495	-.0499	.0061	.0004	-.0070	.3655	.05087	6.54
34	1.200	417.45	2.02	6.18	.4106	.02605	-.0521	.0065	.0007	-.0073	.4054	.06704	6.05
35	1.201	417.50	2.01	6.96	.4488	.02724	-.0556	.0068	.0007	-.0072	.4422	.07431	5.65
36	1.201	417.56	2.04	1.46	.1950	.02275	-.0228	.0037	.0021	-.0100	.1943	.02459	7.97

POINT	ALPHA	CLSO	CLC	COB	COI	R/FT	TEMP
19	-5.90	.0136	.00100	.00210	.0010	2.01	119.1
20	-4.33	.0022	.00120	.00210	.0010	2.01	119.0
21	-3.69	.0004	.00120	.00210	.0010	2.01	119.1
22	-2.90	.0001	.00123	.00210	.0010	2.01	119.0
23	-2.17	.0016	.00124	.00210	.0010	2.01	118.9
24	-1.47	.0045	.00125	.00210	.0010	2.01	118.9
25	-.74	.0092	.00128	.00210	.0010	2.01	118.7
26	-.02	.0158	.00130	.00210	.0010	2.01	118.9
27	.70	.0240	.00134	.00210	.0010	2.01	119.7
28	1.43	.0346	.00138	.00210	.0010	2.01	118.7
29	2.18	.0486	.00142	.00210	.0010	2.01	118.9
30	2.93	.0649	.00143	.00210	.0010	2.01	118.9
31	3.67	.0839	.00144	.00210	.0010	2.01	118.9
32	4.49	.1087	.00146	.00210	.0010	2.01	118.9
33	5.30	.1336	.00147	.00210	.0010	2.01	118.9
34	6.18	.1644	.00148	.00210	.0010	2.01	118.9
35	6.96	.1956	.00151	.00210	.0010	2.01	118.9
36	1.46	.0378	.00142	.00210	.0010	2.01	118.9

		TEST 401	RUN 102	MACH 1.000			CONFIG. 13							L/D
POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CD	L/D	
37	.998	380.07	2.02	-5.88	-.1101	.01881	.0156	.0024	.0025	-.0080	-.1078	.02590	-4.18	
38	1.002	380.48	2.02	-4.38	-.0435	.01903	.0078	.0013	.0023	-.0083	-.0419	.02020	-2.68	
39	.999	380.33	2.03	-3.58	-.0122	.01995	.0042	.0008	.0023	-.0086	-.0109	.01857	-1.59	
40	.999	380.20	2.03	-2.93	.0150	.02049	.0012	.0002	.0023	-.0087	.0160	.01759	.91	
41	.999	380.27	2.03	-2.22	.0439	.02101	-.0021	-.0004	.0024	-.0091	.0447	.01719	2.60	
42	.999	380.33	2.03	-1.50	.0720	.02135	-.0050	-.0009	.0024	-.0094	.0726	.01735	4.18	
43	.999	380.25	2.03	-.79	.0993	.02142	-.0081	-.0015	.0024	-.0096	.0996	.01794	5.55	
44	.999	380.10	2.03	-.10	.1259	.02135	-.0111	-.0021	.0024	-.0096	.1260	.01903	6.62	
45	.999	380.28	2.03	.62	.1561	.02116	-.0147	-.0028	.0023	-.0097	.1559	.02075	7.52	
46	.999	380.14	2.03	1.38	.1904	.02098	-.0187	-.0034	.0021	-.0098	.1898	.02346	8.09	
47	.999	380.39	2.03	2.11	.2250	.02100	-.0231	-.0038	.0018	-.0094	.2240	.02717	9.25	
48	.999	380.14	2.03	2.87	.2606	.02110	-.0276	-.0043	.0013	-.0087	.2592	.03204	8.09	
49	.999	380.24	2.03	3.64	.3007	.02139	-.0334	-.0052	.0010	-.0081	.2988	.03834	7.79	
50	.999	380.35	2.04	4.45	.3425	.02192	-.0387	-.0060	.0012	-.0081	.3398	.04633	7.32	
51	.998	379.83	2.04	5.25	.3831	.02256	-.0427	-.0068	.0015	-.0085	.3794	.05543	6.85	
52	.998	379.99	2.04	6.11	.4237	.02360	-.0459	-.0076	.0020	-.0090	.4187	.06649	6.30	
53	.999	380.12	2.03	6.94	.4663	.02492	-.0485	-.0079	.0021	-.0091	.4598	.07899	5.82	
54	.998	379.85	2.03	7.82	.5103	.02653	-.0522	-.0071	.0023	-.0091	.5019	.09358	5.36	
55	.999	380.19	2.03	1.38	.1959	.02105	-.0192	-.0035	.0021	-.0096	.1954	.02365	9.26	

POINT	ALPHA	CLSQ	CDL	CD8	CD1	R/FT	TEMP
37	-5.88	.0116	.00000	.00110	.0010	2.00	118.7
38	-4.38	.0018	.00000	.00110	.0010	2.00	118.9
39	-3.58	.0001	.00001	.00110	.0010	2.00	118.7
40	-2.93	.0003	.00002	.00110	.0010	2.00	118.7
41	-2.22	.0020	.00003	.00110	.0010	2.00	118.7
42	-1.50	.0053	.00004	.00110	.0010	2.00	118.6
43	-.79	.0099	.00005	.00110	.0010	2.00	118.6
44	-.10	.0159	.00006	.00110	.0010	2.00	118.7
45	.62	.0243	.00006	.00110	.0010	2.00	118.7
46	1.38	.0360	.00007	.00110	.0010	2.00	118.7
47	2.11	.0502	.00006	.00110	.0010	2.00	118.7
48	2.87	.0672	.00007	.00110	.0010	2.00	118.7
49	3.64	.0893	.00009	.00110	.0010	2.00	118.9
50	4.45	.1155	.00013	.00110	.0010	2.00	118.9
51	5.25	.1440	.00018	.00110	.0010	2.00	118.9
52	6.11	.1753	.00027	.00110	.0010	2.00	118.9
53	6.94	.2114	.00041	.00110	.0010	2.00	118.9
54	7.82	.2519	.00064	.00110	.0010	2.00	118.9
55	1.38	.0382	.00007	.00110	.0010	2.00	119.0

		TEST 401	RUN 103	MACH .950			CONFIG. 13							L/D
POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CD	L/D	
56	.951	370.07	2.02	-5.89	-.1113	.01456	.0168	.0018	.0026	-.0094	-.1092	.02418	-4.52	
57	.951	369.88	2.03	-4.33	-.0419	.01701	.0072	.0008	.0023	-.0083	-.0405	.01842	-2.20	
58	.951	370.29	2.03	-3.64	-.0126	.01777	.0047	.0002	.0023	-.0086	-.0114	.01643	-.84	
59	.951	370.09	2.03	-2.94	.0161	.01848	.0009	-.0002	.0022	-.0085	.0171	.01593	1.07	
60	.951	369.96	2.03	-2.22	.0456	.01965	-.0021	-.0008	.0022	-.0088	.0464	.01557	2.93	
61	.951	370.04	2.03	-1.50	.0746	.01952	-.0054	-.0014	.0023	-.0094	.0751	.01586	4.73	
62	.951	370.23	2.03	-.79	.1029	.01961	-.0084	-.0021	.0023	-.0094	.1030	.01649	6.25	
63	.951	370.00	2.03	-.10	.1327	.01965	-.0115	-.0028	.0022	-.0095	.1327	.01781	7.45	
64	.951	369.88	2.03	.61	.1608	.01959	-.0150	-.0034	.0022	-.0097	.1606	.01952	9.23	
65	.950	369.76	2.03	1.36	.1915	.01924	-.0182	-.0038	.0020	-.0095	.1910	.02207	8.65	
66	.948	369.19	2.03	2.13	.2277	.01913	-.0223	-.0041	.0017	-.0091	.2269	.02589	8.76	
67	.951	370.22	2.03	2.85	.2627	.01918	-.0265	-.0045	.0011	-.0081	.2614	.03665	8.53	
68	.948	369.13	2.03	3.60	.2997	.01945	-.0308	-.0056	.0010	-.0081	.2979	.03655	8.15	
69	.950	369.79	2.02	4.41	.3373	.01993	-.0348	-.0061	.0010	-.0077	.3348	.04409	7.59	
70	.950	369.60	2.02	5.21	.3773	.02059	-.0384	-.0066	.0013	-.0081	.3739	.05304	7.15	
71	.951	370.15	2.03	6.09	.4216	.02172	-.0411	-.0072	.0018	-.0087	.4169	.06462	6.45	
72	.950	369.71	2.03	6.87	.4573	.02285	-.0431	-.0075	.0019	-.0088	.4513	.07547	5.92	
73	.950	369.88	2.03	7.81	.5068	.02454	-.0454	-.0075	.0021	-.0087	.4987	.09147	5.45	
74	.951	369.92	2.03	1.44	.2047	.01936	-.0198	-.0039	.0019	-.0094	.2041	.02279	9.94	

POINT	ALPHA	CLSQ	CDL	CD8	CD1	R/FT	TEMP
56	-5.89	.0119	.00003	.00070	.0010	2.01	118.6
57	-4.33	.0016	.00007	.00070	.0010	2.01	118.6
58	-3.64	.0001	.00007	.00070	.0010	2.01	118.7
59	-2.94	.0003	.00007	.00070	.0010	2.01	118.7
60	-2.22	.0021	.00007	.00070	.0010	2.01	118.9
61	-1.50	.0056	.00001	.00070	.0010	2.01	118.9
62	-.79	.0106	.00002	.00070	.0010	2.01	119.0
63	-.10	.0176	.00003	.00070	.0010	2.01	119.0
64	.61	.0258	.00004	.00070	.0010	2.01	118.9
65	1.36	.0365	.00004	.00070	.0010	2.01	118.7
66	2.13	.0515	.00004	.00070	.0010	2.01	118.7
67	2.85	.0683	.00005	.00070	.0010	2.01	118.6
68	3.60	.0887	.00007	.00070	.0010	2.01	118.6
69	4.41	.1121	.00009	.00070	.0010	2.01	118.6
70	5.21	.1398	.00014	.00070	.0010	2.01	118.7
71	6.09	.1738	.00024	.00070	.0010	2.01	118.9
72	6.87	.2037	.00040	.00070	.0010	2.01	118.9
73	7.81	.2487	.00061	.00070	.0010	2.01	118.9
74	1.44	.0417	.00003	.00070	.0010	2.01	118.7

ORIGINAL PAGE IS  
OF POOR QUALITY



TEST 401 RUN 104 MACH .900 CONFIG. 13

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D
75	.902	356.20	2.02	-5.91	-.1141	.01394	.0168	.0019	.0028	-.0088	-.1121	.02342	-4.71
76	.900	357.13	2.02	-4.33	-.0412	.01655	.0074	.0010	.0023	-.0083	-.0399	.01782	-2.24
77	.900	356.92	2.02	-3.70	-.0174	.01723	.0049	.0004	.0023	-.0085	-.0163	.01652	-.99
78	.899	356.86	2.03	-2.96	.0153	.01813	.0019	-.0022	.0023	-.0087	.0162	.01552	1.04
79	.899	356.75	2.03	-2.25	.0407	.01853	-.0005	-.0007	.0023	-.0091	.0414	.01513	2.73
80	.901	357.52	2.03	-1.53	.0719	.01907	-.0033	-.0013	.0022	-.0099	.0724	.01534	4.72
81	.899	356.92	2.03	-.88	.0930	.01911	-.0053	-.0018	.0022	-.0091	.0933	.01588	5.87
82	.900	356.92	2.03	-.09	.1259	.01910	-.0043	-.0026	.0022	-.0094	.1259	.01710	7.34
83	.900	357.10	2.03	.59	.1508	.01984	-.0107	-.0032	.0021	-.0094	.1508	.01859	8.10
84	.899	356.69	2.03	1.27	.1796	.01857	-.0131	-.0036	.0020	-.0094	.1791	.02074	8.64
85	.900	357.17	2.03	2.03	.2091	.01843	-.0159	-.0038	.0018	-.0092	.2093	.02395	9.72
86	.900	357.17	2.03	2.75	.2422	.01928	-.0188	-.0041	.0012	-.0083	.2411	.02806	8.59
87	.899	356.61	2.03	3.54	.2848	.01842	-.0234	-.0051	.0009	-.0081	.2831	.03419	8.24
88	.899	356.80	2.02	4.25	.3155	.01852	-.0263	-.0056	.0009	-.0081	.3132	.04066	7.62
89	.899	356.81	2.01	5.08	.3567	.01906	-.0296	-.0062	.0014	-.0083	.3536	.04876	7.25
90	.900	357.12	2.00	5.97	.4007	.02003	-.0322	-.0066	.0020	-.0090	.3965	.05978	6.43
91	.898	356.26	1.99	6.78	.4385	.02097	-.0333	-.0072	.0022	-.0093	.4329	.07078	6.12
92	.893	356.23	1.98	7.63	.4847	.02249	-.0351	-.0072	.0026	-.0093	.4774	.08443	5.63
93	.900	357.23	2.03	1.38	.1939	.01871	-.0145	-.0037	.0019	-.0091	.1934	.02160	8.96

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
75	-5.91	.0126	.00039	.00080	.0010	2.01	118.6
76	-4.33	.0016	.00039	.00080	.0010	2.01	118.7
77	-3.70	.0003	.00039	.00080	.0010	2.00	118.7
78	-2.96	.0003	.00039	.00080	.0010	2.00	118.9
79	-2.25	.0017	.00040	.00080	.0010	2.00	118.9
80	-1.53	.0052	.00039	.00080	.0010	2.01	118.9
81	-.88	.0097	.00040	.00080	.0010	2.00	118.7
82	-.09	.0179	.00042	.00080	.0010	2.03	118.7
83	.59	.0227	.00041	.00080	.0010	2.00	118.7
84	1.27	.0321	.00042	.00080	.0010	2.00	118.6
85	2.03	.0434	.00042	.00080	.0010	2.01	118.5
86	2.75	.0581	.00042	.00080	.0010	2.01	118.7
87	3.54	.0802	.00043	.00080	.0010	2.00	118.7
88	4.25	.0981	.00040	.00080	.0010	2.00	118.9
89	5.08	.1251	.00041	.00080	.0010	2.00	118.9
90	5.97	.1572	.00043	.00080	.0010	2.00	118.9
91	6.78	.1874	.00045	.00080	.0010	2.00	119.9
92	7.63	.2279	.00049	.00080	.0010	2.00	118.9
93	1.38	.0374	.00042	.00080	.0010	2.01	118.6

TEST 401 RUN 105 MACH .600 CONFIG. 13

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CD	L/D
94	.598	262.39	2.01	-5.59	-.0936	.01421	.0111	.0014	.0025	-.0082	-.0919	.02146	-4.24
95	.600	263.62	2.02	-4.28	-.0388	.01629	.0071	.0007	.0023	-.0082	-.0375	.01734	-2.16
96	.600	263.86	2.02	-3.69	-.0178	.01679	.0055	.0003	.0023	-.0084	-.0166	.01810	-1.03
97	.601	264.20	2.02	-2.96	.0133	.01766	.0036	-.0003	.0022	-.0081	.0142	.01515	.94
98	.599	263.29	2.02	-2.32	.0361	.01813	.0020	-.0007	.0022	-.0086	.0364	.01485	2.48
99	.600	263.62	2.02	-1.74	.0570	.01840	.0008	-.0011	.0023	-.0092	.0575	.01467	3.47
100	.599	263.13	2.02	-1.03	.0818	.01854	-.0004	-.0016	.0021	-.0087	.0822	.01527	5.34
101	.599	263.37	2.02	-.43	.1026	.01859	-.0022	-.0022	.0021	-.0087	.1029	.01593	6.49
102	.599	263.38	2.02	.16	.1242	.01832	-.0036	-.0027	.0021	-.0089	.1242	.01686	7.36
103	.599	263.38	2.02	.83	.1483	.01804	-.0050	-.0032	.0019	-.0090	.1480	.01839	8.05
104	.599	262.97	2.02	1.50	.1721	.01772	-.0064	-.0035	.0019	-.0092	.1715	.02042	8.43
105	.599	263.13	2.01	2.15	.1964	.01752	-.0077	-.0036	.0017	-.0090	.1954	.02238	8.64
106	.600	263.71	2.01	2.78	.2206	.01734	-.0090	-.0038	.0013	-.0086	.2195	.02421	8.37
107	.601	264.36	2.01	3.38	.2433	.01706	-.0103	-.0038	.0009	-.0078	.2419	.02957	8.14
108	.600	263.46	2.01	4.09	.2754	.01701	-.0127	-.0046	.0010	-.0083	.2735	.03479	7.86
109	.599	263.29	2.00	4.74	.3034	.01706	-.0150	-.0050	.0015	-.0087	.3010	.04029	7.47
110	.599	262.97	1.99	5.47	.3357	.01735	-.0145	-.0054	.0021	-.0093	.3324	.04745	7.01
111	.599	263.43	1.98	6.18	.3732	.01793	-.0153	-.0059	.0028	-.0101	.3691	.05622	6.55
112	.598	262.48	1.97	6.98	.4103	.01863	-.0163	-.0063	.0029	-.0094	.4050	.06652	6.14
113	.597	261.98	1.97	7.65	.4429	.01925	-.0172	-.0063	.0029	-.0097	.4364	.07623	5.72
114	.600	263.70	2.02	.81	.1496	.01808	-.0051	-.0031	.0019	-.0089	.1493	.01839	8.12

POINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
94	-5.59	.0084	.00042	.00080	.0010	2.00	117.4
95	-4.28	.0014	.00042	.00080	.0010	2.01	117.7
96	-3.69	.0003	.00040	.00080	.0010	2.01	117.9
97	-2.96	.0002	.00040	.00080	.0010	2.01	118.1
98	-2.32	.0014	.00040	.00080	.0010	2.00	118.2
99	-1.74	.0033	.00040	.00080	.0010	2.01	118.4
100	-1.03	.0068	.00040	.00080	.0010	2.00	118.5
101	-.43	.0104	.00040	.00080	.0010	2.00	118.6
102	.16	.0154	.00041	.00080	.0010	2.00	118.7
103	.83	.0219	.00042	.00080	.0010	2.00	118.7
104	1.50	.0294	.00043	.00080	.0010	2.00	118.7
105	2.15	.0383	.00043	.00080	.0010	2.00	118.7
106	2.78	.0482	.00045	.00080	.0010	2.00	118.7
107	3.38	.0583	.00049	.00080	.0010	2.01	118.7
108	4.09	.0744	.00051	.00080	.0010	2.00	118.7
109	4.74	.0904	.00054	.00080	.0010	2.00	118.7
110	5.47	.1103	.00057	.00080	.0010	2.00	118.7
111	6.18	.1362	.00057	.00080	.0010	2.00	118.6
112	6.98	.1640	.00056	.00080	.0010	2.00	118.6
113	7.65	.1904	.00058	.00080	.0010	2.00	118.6
114	.81	.0223	.00052	.00080	.0010	2.00	118.6

TEST 40A RUN 107 MACH 1.200 CONFIG. 14

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
29	1.201	417.56	2.03	-5.97	-.1205	.01613	.0222	.0026	.0016	-.0073	-.1182	.02548	-4.64
30	1.201	417.64	2.04	-4.46	-.0521	.01883	.0123	.0012	.0015	-.0075	-.0505	.01972	-2.56
31	1.201	417.40	2.04	-3.67	-.0179	.02907	.0075	.0005	.0015	-.0077	-.0166	.01637	-.92
32	1.201	417.59	2.04	-2.97	.0101	.02088	.0037	-.0004	.0015	-.0079	.0111	.01723	.65
33	1.201	417.53	2.04	-2.29	.0303	.02159	-.0001	-.0004	.0015	-.0081	.0392	.01694	2.31
34	1.201	417.57	2.05	-1.53	.0462	.02200	-.0039	-.0010	.0015	-.0085	.0667	.01712	3.40
35	1.200	417.39	2.04	-.77	.0961	.02234	-.0080	-.0017	.0016	-.0088	.0963	.01794	5.37
36	1.200	417.42	2.04	-.04	.1269	.02248	-.0125	-.0023	.0017	-.0091	.1270	.01928	6.58
37	1.201	417.54	2.04	.72	.1591	.02244	-.0173	-.0031	.0016	-.0093	.1596	.02133	7.45
38	1.201	417.56	2.04	1.33	.1840	.02240	-.0210	-.0035	.0016	-.0094	.1835	.02356	7.79
39	1.201	417.48	2.04	2.09	.2220	.02259	-.0270	-.0041	.0017	-.0097	.2210	.02757	8.02
40	1.200	417.39	2.04	2.85	.2575	.02282	-.0326	-.0045	.0011	-.0090	.2560	.03251	7.87
41	1.200	417.42	2.04	3.61	.2943	.02336	-.0386	-.0052	.0011	-.0076	.2923	.03472	7.55
42	1.200	417.33	2.04	4.52	.3381	.02408	-.0447	-.0058	.0001	-.0068	.3351	.04753	7.65
43	1.201	417.53	2.03	5.34	.3768	.02483	-.0485	-.0061	.0001	-.0068	.3779	.05669	6.54
44	1.200	417.35	2.02	6.12	.4135	.02584	-.0522	-.0066	.0003	-.0068	.4084	.06668	6.12
45	1.200	417.46	2.01	6.98	.4539	.02702	-.0559	-.0069	.0006	-.0071	.4472	.07890	5.67
46	1.200	417.37	2.00	7.64	.4861	.02815	-.0594	-.0072	.0007	-.0070	.4780	.08946	5.34
47	1.200	417.37	2.00	1.35	.1867	.02241	-.0213	-.0035	.0017	-.0095	.1861	.02370	7.61

POINT	ALPHA	CLSO	CLC	CDB	CDI	R/FT	TEMP
29	-5.97	.0167	.00117	.00213	.0010	2.00	120.1
30	-4.46	.0125	.00117	.00210	.0010	2.00	119.9
31	-3.67	.0093	.00117	.00210	.0010	2.00	119.7
32	-2.97	.0061	.00117	.00210	.0010	2.00	119.6
33	-2.29	.0035	.00116	.00210	.0010	2.01	119.1
34	-1.53	.0015	.00116	.00210	.0010	2.01	119.0
35	-.77	.0005	.00116	.00210	.0010	2.01	118.0
36	-.04	.0001	.00116	.00210	.0010	2.01	119.0
37	.72	.0002	.00116	.00210	.0010	2.01	119.0
38	1.33	.0007	.00115	.00210	.0010	2.01	118.9
39	2.09	.0018	.00115	.00210	.0010	2.01	118.9
40	2.85	.0035	.00115	.00210	.0010	2.01	119.0
41	3.61	.0054	.00114	.00210	.0010	2.01	119.0
42	4.52	.0073	.00114	.00210	.0010	2.01	118.9
43	5.34	.0090	.00113	.00210	.0010	2.01	118.9
44	6.12	.0108	.00113	.00210	.0010	2.01	118.9
45	6.98	.0123	.00113	.00210	.0010	2.01	118.9
46	7.64	.0135	.00112	.00210	.0010	2.01	118.9
47	1.35	.0007	.00113	.00210	.0010	2.01	118.9

TEST 40A RUN 108 MACH 1.000 CONFIG. 14

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
48	1.000	381.27	2.03	-5.88	-.1064	.01688	.0157	.0024	.0013	-.0067	-.1041	.02550	-4.67
49	1.002	341.77	2.04	-4.44	-.0422	.01912	.0083	.0013	.0013	-.0071	-.0406	.02223	-2.61
50	1.002	381.97	2.04	-3.68	-.0105	.01994	.0047	.0006	.0013	-.0074	-.0062	.01848	-.41
51	1.001	381.58	2.04	-2.95	.0174	.02058	.0016	.0001	.0013	-.0077	.0184	.01756	1.05
52	1.001	381.57	2.04	-2.23	.0473	.02106	-.0018	-.0005	.0014	-.0080	.0481	.01710	2.01
53	1.001	381.50	2.04	-1.56	.0730	.02129	-.0046	-.0009	.0015	-.0084	.0735	.01720	4.24
54	1.001	381.41	2.04	-.80	.1025	.02137	-.0079	-.0016	.0016	-.0086	.1028	.01783	5.77
55	1.001	381.56	2.04	-.09	.1304	.02124	-.0113	-.0022	.0016	-.0089	.1304	.01894	6.89
56	1.001	381.55	2.04	.62	.1627	.02117	-.0156	-.0030	.0016	-.0093	.1625	.02083	7.80
57	1.000	381.51	2.04	1.34	.1953	.02097	-.0194	-.0034	.0016	-.0092	.1947	.02343	8.31
58	1.000	381.26	2.04	2.12	.2303	.02087	-.0233	-.0039	.0013	-.0090	.2293	.02728	8.41
59	.998	380.73	2.04	2.86	.2652	.02099	-.0278	-.0045	.0007	-.0082	.2638	.03279	8.22
60	.999	381.03	2.04	3.68	.3090	.02130	-.0340	-.0054	.0005	-.0077	.3070	.03901	7.87
61	1.000	381.14	2.03	4.43	.3487	.02183	-.0398	-.0060	.0007	-.0076	.3440	.04641	7.41
62	1.000	381.12	2.02	5.29	.3885	.02265	-.0450	-.0064	.0009	-.0070	.3847	.05626	6.84
63	.999	381.00	2.01	6.06	.4257	.02356	-.0498	-.0066	.0012	-.0063	.4208	.06623	6.35
64	1.000	381.36	2.00	6.92	.4714	.02512	-.0546	-.0070	.0016	-.0067	.4649	.07964	5.84
65	.999	381.16	1.98	7.89	.5188	.02680	-.0593	-.0072	.0020	-.0067	.5102	.09568	5.33
66	.998	380.50	1.97	8.29	.5413	.02777	-.0633	-.0073	.0023	-.0067	.5316	.10339	5.14
67	1.000	381.22	2.00	1.34	.1149	.02089	-.0191	-.0035	.0016	-.0092	.1144	.02335	8.32

POINT	ALPHA	CLSO	CLC	CDB	CDI	R/FT	TEMP
48	-5.88	.0108	.00003	.00110	.0010	2.01	118.9
49	-4.44	.0017	.00002	.00110	.0010	2.01	118.0
50	-3.68	.0001	.00002	.00110	.0010	2.01	118.9
51	-2.95	.0003	.00004	.00110	.0010	2.01	118.9
52	-2.23	.0023	.00003	.00110	.0010	2.01	118.7
53	-1.56	.0054	.00005	.00110	.0010	2.01	118.9
54	-.80	.0108	.00006	.00110	.0010	2.01	118.9
55	-.09	.0170	.00007	.00110	.0010	2.01	118.9
56	.62	.0264	.00008	.00110	.0010	2.01	118.9
57	1.34	.0379	.00010	.00110	.0010	2.01	118.9
58	2.12	.0526	.00012	.00110	.0010	2.01	119.0
59	2.86	.0696	.00017	.00110	.0010	2.01	118.9
60	3.68	.0943	.00020	.00110	.0010	2.01	118.9
61	4.43	.1183	.00023	.00110	.0010	2.01	118.9
62	5.29	.1480	.00025	.00110	.0010	2.01	118.9
63	6.06	.1771	.00027	.00110	.0010	2.01	118.9
64	6.92	.2161	.00030	.00110	.0010	2.01	118.9
65	7.89	.2603	.00037	.00110	.0010	2.01	118.9
66	8.29	.2826	.00039	.00110	.0010	2.01	118.7
67	1.34	.0378	.00011	.00110	.0010	2.01	118.9

ORIGINAL PAGE IS  
OF POOR QUALITY

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401 RUN 100 MACH .950 CONFIG. 14

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTDE	CL	CD	L/D
68	.949	365.16	2.04	-5.88	-.1676	.01447	.0151	.0019	.0014	-.0071	-.1055	-.02371	-4.45
69	.952	370.36	2.04	-4.48	-.0445	.01683	.0079	.0000	.0012	-.0071	-.0430	-.01855	-2.32
70	.951	370.17	2.04	-3.74	-.0125	.01777	.0045	.0004	.0011	-.0071	-.0113	-.01684	-2.67
71	.951	369.95	2.04	-1.60	.0170	.01837	.0013	-.0002	.0012	-.0075	.0179	.01376	.14
72	.951	370.05	2.04	-2.21	.0511	.01936	-.0023	-.0000	.0012	-.0079	.0514	.01538	3.36
73	.951	370.05	2.04	-1.55	.0761	.01941	-.0050	-.0014	.0013	-.0082	.0766	.01565	4.89
74	.952	369.42	2.04	-.76	.1090	.01953	-.0086	-.0022	.0013	-.0085	.1092	.01638	6.67
75	.952	370.45	2.04	-.14	.1330	.01954	-.0113	-.0020	.0014	-.0087	.1333	.01752	7.60
76	.950	369.59	2.04	.64	.1644	.01932	-.0149	-.0034	.0014	-.0089	.1641	.01945	8.44
77	.951	370.13	2.04	1.27	.1893	.01967	-.0176	-.0038	.0013	-.0087	.1889	.02157	8.76
78	.951	370.09	2.04	2.02	.2265	.01913	-.0220	-.0040	.0012	-.0086	.2257	.02540	8.89
79	.950	369.80	2.04	2.87	.2678	.01918	-.0267	-.0047	.0015	-.0079	.2665	.03084	9.64
80	.952	370.46	2.03	3.71	.3083	.01937	-.0315	-.0057	.0014	-.0074	.3064	.03758	9.15
81	.951	370.19	2.03	4.48	.3474	.01992	-.0355	-.0063	.0015	-.0074	.3452	.04530	7.62
82	.951	370.13	2.04	5.29	.3858	.02054	-.0384	-.0067	.0018	-.0076	.3823	.05432	7.04
83	.951	369.93	2.04	6.03	.4223	.02144	-.0430	-.0072	.0019	-.0077	.4177	.06401	6.53
84	.951	370.07	2.04	6.98	.4695	.02277	-.0452	-.0075	.0014	-.0070	.4633	.07600	5.94
85	.949	369.58	1.98	7.86	.5158	.02466	-.0452	-.0076	.0019	-.0084	.5076	.09331	5.44
86	.950	369.67	1.97	8.60	.5498	.02643	-.0455	-.0080	.0017	-.0077	.5397	.10662	5.14
87	.952	370.20	2.04	1.33	.1967	.01913	-.0166	-.0038	.0014	-.0090	.1962	.02200	6.52

POINT	ALPHA	CLS0	CUC	CDB	CDI	R/FT	TEMP
68	-5.88	.0111	.00031	.00070	.0010	2.01	118.9
69	-4.48	.0014	.00020	.00070	.0010	2.01	118.7
70	-3.74	.0001	.00030	.00070	.0010	2.01	118.6
71	-3.00	.0003	.00034	.00070	.0010	2.01	118.6
72	-2.21	.0027	.00034	.00070	.0010	2.01	118.6
73	-1.55	.0039	.00033	.00070	.0010	2.01	118.6
74	-.76	.0119	.00033	.00070	.0010	2.01	118.6
75	-.14	.0177	.00032	.00070	.0010	2.01	118.7
76	.64	.0269	.00035	.00070	.0010	2.01	118.7
77	1.27	.0357	.00036	.00070	.0010	2.01	118.7
78	2.02	.0509	.00037	.00070	.0010	2.01	118.7
79	2.87	.0710	.00042	.00070	.0010	2.01	118.7
80	3.71	.0939	.00044	.00070	.0010	2.01	118.9
81	4.48	.1191	.00048	.00070	.0010	2.01	118.9
82	5.27	.1462	.00051	.00070	.0010	2.01	118.9
83	6.03	.1745	.00054	.00070	.0010	2.01	118.7
84	6.98	.2140	.00058	.00070	.0010	2.01	118.7
85	7.86	.2576	.00062	.00070	.0010	2.01	118.7
86	8.60	.2913	.00064	.00070	.0010	2.01	118.7
87	1.33	.0385	.00036	.00070	.0010	2.01	118.7

TEST 401 RUN 110 MACH .900 CONFIG. 14

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTDE	CL	CD	L/D
88	.902	358.26	2.03	-5.93	-.1133	.01393	.0150	.0019	.0016	-.0076	-.1093	-.02306	-4.44
89	.901	357.96	2.04	-4.36	-.0375	.01666	.0075	.0009	.0012	-.0070	-.0361	-.01766	-2.74
90	.902	358.45	2.04	-3.75	-.0140	.01728	.0045	.0004	.0012	-.0074	-.0129	-.01637	-2.77
91	.902	358.13	2.04	-2.98	.0174	.01809	.0020	-.0001	.0012	-.0075	.0183	.01537	1.14
92	.901	357.79	2.04	-2.23	.0452	.01956	-.0004	-.0007	.0012	-.0079	.0455	.01699	3.00
93	.900	357.47	2.04	-1.56	.0712	.01891	-.0028	-.0012	.0012	-.0090	.0716	.01517	4.72
94	.901	357.84	2.04	-.81	.1008	.01908	-.0057	-.0020	.0012	-.0080	.1011	.01585	6.33
95	.900	357.30	2.04	-.14	.1274	.01898	-.0080	-.0026	.0014	-.0087	.1275	.01688	7.60
96	.900	357.48	2.04	.59	.1565	.01868	-.0107	-.0031	.0013	-.0096	.1564	.01850	8.44
97	.901	357.67	2.04	1.25	.1830	.01844	-.0131	-.0030	.0012	-.0086	.1825	.02163	8.95
98	.901	357.85	2.03	2.01	.2142	.01824	-.0160	-.0038	.0011	-.0084	.2134	.02395	9.01
99	.901	357.60	2.04	2.78	.2523	.01819	-.0194	-.0042	.0015	-.0077	.2511	.02856	8.74
100	.900	357.54	2.03	3.57	.2917	.01824	-.0236	-.0052	.0014	-.0075	.2901	.03457	8.39
101	.899	357.12	2.03	4.26	.3214	.01836	-.0264	-.0057	.0015	-.0075	.3191	.04036	7.61
102	.903	358.50	2.02	5.25	.3754	.01935	-.0307	-.0063	.0018	-.0076	.3720	.05183	7.18
103	.901	357.60	2.01	6.00	.4073	.01995	-.0321	-.0068	.0011	-.0082	.4030	.06464	6.65
104	.901	357.79	1.99	6.93	.4579	.02145	-.0344	-.0074	.0017	-.0086	.4519	.07474	6.05
105	.900	357.35	1.98	7.73	.4982	.02287	-.0363	-.0076	.0021	-.0090	.4906	.08739	5.44
106	.901	357.73	2.04	1.28	.1858	.01849	-.0134	-.0036	.0013	-.0087	.1854	.02267	6.49

POINT	ALPHA	CLS0	CUC	CDB	CDI	R/FT	TEMP
88	-5.93	.0119	.00038	.00080	.0010	2.01	118.9
89	-4.36	.0013	.00041	.00080	.0010	2.01	118.9
90	-3.75	.0002	.00040	.00080	.0010	2.01	118.9
91	-2.98	.0003	.00041	.00080	.0010	2.01	118.7
92	-2.23	.0021	.00041	.00080	.0010	2.01	118.7
93	-1.56	.0051	.00041	.00080	.0010	2.01	118.7
94	-.81	.0102	.00041	.00080	.0010	2.01	118.9
95	-.14	.0143	.00042	.00080	.0010	2.01	118.9
96	.59	.0244	.00043	.00080	.0010	2.01	118.7
97	1.25	.0333	.00044	.00080	.0010	2.01	118.7
98	2.01	.0455	.00046	.00080	.0010	2.01	118.7
99	2.78	.0630	.00049	.00080	.0010	2.01	118.7
100	3.57	.0841	.00053	.00080	.0010	2.01	118.9
101	4.26	.1018	.00056	.00080	.0010	2.01	118.9
102	5.25	.1384	.00058	.00080	.0010	2.01	118.9
103	6.00	.1624	.00063	.00080	.0010	2.01	118.9
104	6.93	.2042	.00064	.00080	.0010	2.01	118.7
105	7.73	.2487	.00068	.00080	.0010	2.01	118.7
106	1.28	.0644	.00045	.00080	.0010	2.01	118.7

TEST 48A		RUN 111		MACH .600		CONFIG. 14									
POINT	TIME	Q	DELTA	ALPHA	CN	CA	CM	CDLL	CVM	CSIDE	CL	CD	L/D		
107	.599	263.05	2.62	-5.59	-.0090	.01434	-.0111	.0014	.0015	-.0071	-.0072	.02149	-4.13		
108	.603	263.95	2.65	-4.33	-.0364	.01625	-.0074	-.0000	.0012	-.0470	-.0072	-.0055	-.0072		
109	.599	263.37	2.63	-3.67	-.0153	.01173	-.0057	-.0002	.0011	-.0072	-.0142	.00567	-.00		
110	.600	263.70	2.63	-3.06	.0107	.01749	-.0039	-.0002	.0012	-.0072	-.0116	.01544	2.57		
111	.607	263.46	2.63	-2.43	.0369	.01004	-.0024	-.0008	.0011	-.0070	-.0377	.01562	2.57		
112	.599	263.29	2.63	-1.79	.0552	.01021	-.0013	-.0011	.0012	-.0070	-.0359	.01562	5.30		
113	.600	263.76	2.63	-1.13	.0700	.01034	-.0002	-.0017	.0011	-.0070	-.0392	.01562	5.30		
114	.600	263.06	2.63	-.54	.1010	.01045	-.0017	-.0021	.0012	-.0070	-.0419	.01562	6.50		
115	.599	263.38	2.63	-.20	.1205	.01022	-.0035	-.0024	.0012	-.0072	-.0402	.01562	7.62		
116	.600	263.02	2.63	.75	.1474	.01795	-.0046	-.0031	.0012	-.0072	-.0405	.01562	8.19		
117	.600	263.54	2.62	1.37	.1672	.01760	-.0057	-.0034	.0012	-.0072	-.0404	.01562	8.63		
118	.606	263.46	2.62	2.04	.1930	.01727	-.0072	-.0037	.0011	-.0070	-.0404	.01562	8.66		
119	.599	263.37	2.62	2.71	.2191	.01705	-.0087	-.0037	.0010	-.0071	-.0404	.01562	8.66		
120	.603	263.95	2.62	3.29	.2452	.01697	-.0100	-.0039	.0009	-.0072	-.0405	.01562	8.66		
121	.599	263.29	2.62	3.98	.2758	.01680	-.0123	-.0047	.0009	-.0072	-.0405	.01562	8.66		
123	.598	262.39	2.61	4.75	.3061	.01675	-.0134	-.0054	.0009	-.0070	-.0405	.01562	8.66		
124	.599	263.21	2.60	5.43	.3400	.01717	-.0142	-.0054	.0015	-.0070	-.0406	.01562	8.66		
125	.600	263.54	2.60	6.16	.3750	.01776	-.0150	-.0054	.0019	-.0071	-.0406	.01562	8.66		
126	.599	263.37	2.60	6.82	.4064	.01826	-.0159	-.0062	.0021	-.0070	-.0406	.01562	8.66		
127	.598	262.64	2.60	7.69	.4507	.01919	-.0170	-.0065	.0024	-.0071	-.0406	.01562	8.66		
128	.598	262.39	2.60	8.45	.4921	.02074	-.0174	-.0072	.0019	-.0070	-.0407	.01562	8.66		
129	.600	263.46	2.62	.82	.1570	.01810	-.0051	-.0031	.0012	-.0072	-.0405	.01562	8.66		
130	.600	263.54	2.63	.78	.1514	.01798	-.0057	-.0032	.0012	-.0072	-.0405	.01562	8.66		

POINT	ALPHA	CLSO	CLC	COM	COI	R/FT	TEMP
107	-5.59	.0076	.00000	.00000	.0010	2.60	118.6
108	-4.33	.0013	.00000	.00000	.0010	2.61	118.6
109	-3.67	.0002	.00000	.00000	.0010	2.60	118.6
110	-3.06	.0001	.00000	.00000	.0010	2.60	118.7
111	-2.43	.0014	.00000	.00000	.0010	2.60	118.9
112	-1.79	.0031	.00000	.00000	.0010	2.60	118.9
113	-1.13	.0063	.00000	.00000	.0010	2.60	118.9
114	-.54	.0104	.00000	.00000	.0010	2.60	118.9
115	.20	.0165	.00000	.00000	.0010	2.60	118.9
116	.75	.0217	.00000	.00000	.0010	2.60	118.9
117	1.37	.0278	.00000	.00000	.0010	2.60	118.7
118	2.04	.0370	.00000	.00000	.0010	2.60	118.7
119	2.71	.0475	.00000	.00000	.0010	2.60	118.6
120	3.29	.0595	.00000	.00000	.0010	2.61	118.6
121	3.98	.0750	.00000	.00000	.0010	2.60	118.6
123	4.75	.0922	.00000	.00000	.0010	2.60	118.7
124	5.43	.1144	.00000	.00000	.0010	2.60	118.7
125	6.16	.1382	.00000	.00000	.0010	2.60	118.7
126	6.82	.1612	.00000	.00000	.0010	2.60	118.7
127	7.69	.1972	.00000	.00000	.0010	2.60	118.7
128	8.45	.2340	.00000	.00000	.0010	2.60	118.7
129	.82	.0266	.00000	.00000	.0010	2.60	118.9
130	.78	.0228	.00000	.00000	.0010	2.60	118.7

TEST 48A		RUN 12		MACH 1.200		CONFIG. 14									
POINT	TIME	Q	DELTA	ALPHA	CN	CA	CM	CDLL	CVM	CSIDE	CL	CD	L/D		
133	1.200	417.58	2.64	-5.87	-.1129	.31626	-.2239	.0006	.0012	-.0000	-.01104	.02000	-4.68		
134	1.201	417.50	2.63	-4.34	-.1345	.31932	-.0114	.0069	.0013	-.0005	-.02023	.02000	-4.27		
136	1.202	417.62	2.63	-3.63	-.0177	.32009	.0078	.0006	.0012	-.0005	-.02144	.02000	-4.61		
137	1.202	417.62	2.63	-2.90	-.0137	.32135	.0036	.0015	.0012	-.0005	-.02167	.02000	-4.65		
138	1.201	417.53	2.63	-2.16	.0442	.32140	-.0006	.0016	.0012	-.0005	-.02457	.02000	-4.66		
139	1.201	417.56	2.63	-1.46	.0719	.32221	-.0045	.0017	.0012	-.0005	-.02704	.02000	-4.66		
140	1.202	417.59	2.63	-.72	.1009	.32261	-.0086	.0016	.0012	-.0005	-.02912	.02000	-4.61		
141	1.201	417.53	2.63	-.00	.1298	.32267	-.0124	.0017	.0012	-.0005	-.02944	.02000	-4.61		
142	1.201	417.59	2.63	.69	.1589	.32266	-.0171	.0017	.0012	-.0005	-.02965	.02000	-4.66		
143	1.201	417.53	2.63	1.43	.1902	.32239	-.0219	.0017	.0012	-.0005	-.02964	.02000	-4.66		
144	1.200	417.42	2.63	2.21	.2253	.32254	-.0273	.0018	.0012	-.0005	-.02964	.02000	-4.66		
145	1.200	417.33	2.63	2.93	.2592	.32267	-.0329	.0017	.0011	-.0005	-.02964	.02000	-4.61		
146	1.200	417.4	2.63	3.65	.2930	.32319	-.0381	.0019	.0011	-.0005	-.02964	.02000	-4.62		
147	1.201	417.33	2.63	4.45	.3303	.32364	-.0431	.0019	.0010	-.0005	-.02964	.02000	-4.62		
148	1.200	417.40	2.63	5.28	.3698	.32437	-.0474	.0019	.0011	-.0005	-.02964	.02000	-4.62		
149	1.200	417.40	2.63	6.09	.4059	.32529	-.0539	.0018	.0010	-.0005	-.02964	.02000	-4.61		
150	1.200	417.32	2.63	6.92	.4444	.32644	-.0592	.0017	.0011	-.0005	-.02964	.02000	-4.61		
151	1.201	417.56	2.63	7.81	.4895	.32815	-.0650	.0019	.0011	-.0005	-.02964	.02000	-4.62		
152	1.200	417.42	2.63	1.50	.1999	.32247	-.0232	.0017	.0012	-.0005	-.02964	.02000	-4.10		

POINT	ALPHA	CLSO	CLC	COM	COI	R/FT	TEMP
133	-5.87	.0122	.00113	.00210	.0010	2.01	118.9
134	-4.34	.0010	.00113	.00210	.0010	2.01	119.0
136	-3.63	.0003	.00111	.00210	.0010	2.01	118.7
137	-2.90	.0002	.00111	.00210	.0010	2.01	118.9
138	-2.16	.0020	.00111	.00210	.0010	2.01	118.9
139	-1.46	.0053	.00112	.00210	.0010	2.01	118.9
140	-.72	.0102	.00114	.00210	.0010	2.01	118.9
141	-.00	.0168	.00116	.00210	.0010	2.01	118.9
142	.69	.0252	.00116	.00210	.0010	2.01	119.0
143	1.43	.0359	.00116	.00210	.0010	2.01	118.9
144	2.21	.0503	.00117	.00210	.0010	2.01	118.9
145	2.93	.0664	.00117	.00210	.0010	2.01	118.9
146	3.65	.0846	.00118	.00210	.0010	2.01	118.9
147	4.45	.1072	.00119	.00210	.0010	2.01	118.9
148	5.28	.1332	.00119	.00210	.0010	2.01	118.9
149	6.09	.1607	.00119	.00210	.0010	2.01	118.9
150	6.92	.1920	.00119	.00210	.0010	2.01	118.9
151	7.81	.2315	.00119	.00210	.0010	2.01	118.9
152	1.50	.0397	.00119	.00210	.0010	2.01	118.9

ORIGINAL PAGE IS  
OF POOR QUALITY

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 15-F

TEST 401		RUN 113		RACH 1.000		CONFIG. 14							
POINT	MINE	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
153	1.001	381.10	-.001	-5.87	-.1066	.01669	.0150	.6668	.0002	.0001	-.1066	.02541	-4.11
154	1.000	380.85	-.000	-4.36	-.0395	.01913	.0077	.0606	.0001	-.0002	-.0379	.01990	-1.00
155	1.000	380.79	-.000	-3.64	-.0116	.01987	.0048	.0007	.0001	-.0002	-.0193	.01847	-1.56
156	1.000	380.95	.000	-2.91	.0195	.02950	.0017	.0008	.0001	-.0002	.0196	.01746	1.12
157	1.000	380.99	.000	-2.17	.0196	.02181	-.0018	.0009	.0006	.0001	.0501	.01793	2.94
158	1.000	380.94	.000	-1.48	.0758	.02123	-.0049	.0609	.0001	-.0002	.0763	.01716	4.45
159	1.000	380.84	.000	-.76	.1057	.02132	-.0083	.0609	.0000	-.0003	.1668	.01783	5.94
160	1.000	380.69	.000	-.04	.1333	.02121	-.0119	.0609	.0000	-.0002	.1333	.01901	7.01
161	1.000	380.84	.000	.68	.1632	.02183	-.0176	.0608	.0001	-.0003	.1649	.02448	7.90
162	1.000	380.75	.000	1.43	.1969	.02078	-.0190	.0609	.0000	-.0003	.1963	.02357	8.33
163	1.000	380.44	.000	2.16	.2300	.02075	-.0230	.0601	-.0001	.0001	.2291	.02729	8.39
164	1.000	380.94	.000	2.92	.2677	.02182	-.0289	.0610	-.0001	.0001	.2662	.03250	8.19
165	1.000	380.99	.000	3.67	.3060	.02130	-.0342	.0611	-.0000	.0000	.3043	.03876	7.44
166	1.000	380.79	.001	4.44	.3429	.02163	-.0379	.0613	-.0001	.0000	.3402	.04411	7.30
167	1.000	380.84	.001	5.28	.3832	.02237	-.0421	.0615	-.0002	.0002	.3795	.05541	6.85
168	1.000	381.04	.001	6.11	.4249	.02340	-.0457	.0614	-.0003	.0002	.4205	.06643	6.32
169	1.000	380.69	.000	6.99	.4680	.02462	-.0496	.0615	-.0002	.0001	.4614	.07925	5.82
170	1.000	380.99	.000	7.86	.5155	.02655	-.0524	.0617	-.0001	.0001	.5071	.09470	5.35
171	1.000	380.95	.000	1.47	.2060	.02099	-.0205	.0609	-.0000	-.0002	.2056	.02415	8.51

POINT	ALPHA	CLSQ	CUC	CDB	CDI	R/FT	TEMP
153	-5.87	.0109	.00001	.00110	.0010	2.01	118.9
154	-4.36	.0116	.00001	.00110	.0010	2.01	118.6
155	-3.64	.0101	.00001	.00110	.0010	2.01	118.7
156	-2.91	.0094	.00001	.00110	.0010	2.01	118.7
157	-2.17	.0075	.00002	.00110	.0010	2.01	118.7
158	-1.48	.0058	.00003	.00110	.0010	2.01	118.7
159	-.76	.0112	.00004	.00110	.0010	2.01	118.6
160	-.04	.0178	.00005	.00110	.0010	2.01	118.6
161	.68	.0272	.00006	.00110	.0010	2.01	118.7
162	1.43	.0385	.00010	.00110	.0010	2.01	118.6
163	2.16	.0525	.00015	.00110	.0010	2.01	118.7
164	2.92	.0709	.00025	.00110	.0010	2.01	118.7
165	3.67	.0924	.00047	.00110	.0010	2.01	118.7
166	4.44	.1157	.00076	.00110	.0010	2.01	118.7
167	5.28	.1447	.00122	.00110	.0010	2.01	118.7
168	6.11	.1764	.00185	.00110	.0010	2.01	118.7
169	6.99	.2130	.00269	.00110	.0010	2.01	118.7
170	7.86	.2571	.00377	.00110	.0010	2.01	118.7
171	1.47	.0422	.00060	.00110	.0010	2.01	118.6

TEST 401		RUN 114		RACH .950		CONFIG. 14							
POINT	MINE	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
172	.951	370.06	-.006	-5.83	-.1030	.01456	.0145	.6006	.0003	-.0003	-.1010	.02324	-4.74
173	.951	369.89	-.000	-4.35	-.0378	.01690	.0074	.6007	.0001	-.0002	-.0364	.01912	-1.02
174	.951	370.11	-.000	-3.60	-.0074	.01774	.0043	.6008	.0001	-.0002	-.0063	.01951	-1.51
175	.951	369.89	.000	-2.90	.0191	.01831	.0015	.6008	.0001	-.0002	.0200	.01902	1.11
176	.951	369.94	.000	-2.20	.0445	.01900	-.0014	.6009	.0001	-.0003	.0502	.01539	3.25
177	.951	369.83	.000	-1.49	.0798	.01931	-.0049	.6009	.0001	-.0004	.0893	.01553	5.17
178	.951	369.89	.000	-.72	.1167	.01942	-.0097	.6007	.0001	-.0004	.1110	.01632	6.83
179	.951	370.11	.000	-.04	.1381	.01943	-.0119	.6007	.0000	-.0003	.1381	.01784	7.83
180	.950	369.83	.000	.68	.1677	.01923	-.0151	.6007	.0001	-.0003	.1675	.01952	8.44
181	.950	369.83	.000	1.40	.1978	.01902	-.0186	.6007	.0002	-.0006	.1973	.02215	8.61
182	.950	369.33	.000	2.10	.2281	.01996	-.0219	.6009	.0000	-.0003	.2273	.02561	8.33
183	.952	370.38	.000	2.92	.2697	.01922	-.0275	.6010	.0000	-.0001	.2684	.03122	8.01
184	.950	369.78	.000	3.64	.3038	.01922	-.0312	.6012	.0000	-.0005	.3020	.03675	8.21
185	.951	369.89	.001	4.44	.3405	.01954	-.0342	.6016	-.0000	.0005	.3379	.04416	7.45
186	.950	369.72	.001	5.24	.3784	.02005	-.0378	.6017	-.0001	.0005	.3749	.05245	7.05
187	.951	369.96	.001	6.01	.4201	.02099	-.0404	.6015	-.0001	.0004	.4156	.06368	6.53
188	.951	369.89	.000	6.93	.4625	.02237	-.0427	.6015	-.0001	.0003	.4564	.07631	6.04
189	.950	369.86	.000	7.83	.5079	.02419	-.0478	.6013	-.0001	.0004	.4998	.09144	5.60
190	.950	369.77	.001	8.77	.5603	.02658	-.0527	.6017	-.0002	.0007	.5497	.11074	5.11
191	.951	369.96	.000	1.45	.2075	.01914	-.0196	.6008	.0000	-.0004	.2070	.02289	8.12

POINT	ALPHA	CLSQ	CUC	CDB	CDI	R/FT	TEMP
172	-5.83	.0102	.00029	.00070	.0010	2.01	118.7
173	-4.35	.0013	.00029	.00070	.0010	2.01	118.7
174	-3.60	.0000	.00027	.00070	.0010	2.01	118.7
175	-2.90	.0004	.00028	.00070	.0010	2.01	118.7
176	-2.20	.0025	.00028	.00070	.0010	2.01	118.7
177	-1.49	.0084	.00030	.00070	.0010	2.01	118.7
178	-.72	.0123	.00030	.00070	.0010	2.01	118.7
179	-.04	.0191	.00030	.00070	.0010	2.01	118.7
180	.68	.0280	.00032	.00070	.0010	2.01	118.9
181	1.40	.0389	.00035	.00070	.0010	2.01	118.9
182	2.10	.0516	.00038	.00070	.0010	2.01	118.7
183	2.92	.0720	.00039	.00070	.0010	2.01	118.6
184	3.64	.0912	.00044	.00070	.0010	2.01	118.6
185	4.44	.1142	.00047	.00070	.0010	2.01	118.6
186	5.24	.1406	.00051	.00070	.0010	2.01	118.7
187	6.08	.1727	.00053	.00070	.0010	2.01	118.9
188	6.93	.2083	.00056	.00070	.0010	2.01	118.7
189	7.83	.2498	.00058	.00070	.0010	2.01	118.7
190	8.77	.3022	.00060	.00070	.0010	2.01	118.9
191	1.45	.0428	.00036	.00070	.0010	2.01	118.6

TEST 401		RUN 115		MACH .900		CONFIG. 14							
POINT	SINE	Q	DELTA	ALPHA	CM	CA	CM	CROLL	CVAW	CSIDE	CL	CU	L/D
192	.901	357.66	.00	-5.81	-.1038	.01410	.0167	.0000	.0003	-.0002	-.0019	.62274	-6.48
193	.901	357.96	.00	-4.27	-.0327	.01667	.0072	.0007	.0001	-.0002	-.0014	.61726	-1.02
194	.901	357.96	.00	-3.52	-.0030	.01749	.0044	.0008	.0001	-.0002	-.0027	.61590	-1.17
195	.901	357.78	.00	-2.90	.0204	.01810	.0022	.0008	.0001	-.0004	.0213	.61524	1.40
196	.901	357.90	.00	-2.16	.0489	.01854	-.0096	.0007	.0001	-.0003	.0496	.61488	3.33
197	.900	357.54	.00	-1.43	.0778	.01887	-.0093	.0008	.0001	-.0002	.0783	.61513	5.17
198	.901	357.67	.00	-.79	.1029	.01899	-.0097	.0008	.0001	-.0004	.1032	.61578	6.54
199	.901	357.78	.00	-.03	.1351	.01890	-.0098	.0008	.0001	-.0004	.1351	.61704	7.93
200	.901	357.79	.00	.63	.1596	.01866	-.0110	.0008	.0001	-.0004	.1594	.61863	8.56
201	.900	357.48	.00	1.31	.1861	.01841	-.0133	.0008	.0001	-.0004	.1857	.62007	9.90
202	.902	358.02	.00	2.06	.2100	.01822	-.0163	.0008	.0001	-.0004	.2100	.62427	8.99
203	.900	357.35	.00	2.81	.2516	.01813	-.0198	.0009	-.0001	-.0003	.2504	.62864	8.75
204	.902	358.02	.00	3.62	.2916	.01816	-.0238	.0011	-.0000	-.0003	.2898	.63475	8.36
205	.901	357.72	.01	4.42	.3276	.01832	-.0265	.0015	-.0000	-.0006	.3252	.64172	7.00
206	.900	357.48	.01	5.29	.3712	.01882	-.0290	.0017	-.0001	-.0007	.3679	.65114	7.19
207	.899	357.06	.01	6.01	.4063	.01950	-.0320	.0016	-.0000	-.0006	.4021	.66017	6.68
208	.900	357.22	.00	6.91	.4508	.02090	-.0362	.0016	-.0000	-.0006	.4450	.67322	6.08
209	.902	358.01	.00	7.72	.4952	.02275	-.0368	.0013	-.0001	-.0002	.4877	.68730	5.59
210	.902	358.16	.01	8.72	.5479	.02505	-.0393	.0014	-.0003	-.0004	.5377	.69598	5.07
211	.899	357.00	.00	1.30	.1666	.01839	-.0133	.0008	.0001	-.0003	.1661	.62083	8.93

POINT	ALPHA	CLSD	CDC	CDB	CDI	R/FT	TEMP
192	-5.81	.0100	.00038	.00080	.0010	2.01	118.7
193	-4.27	.0010	.00037	.00080	.0010	2.01	118.7
194	-3.52	.0000	.00037	.00080	.0010	2.01	118.7
195	-2.90	.0005	.00037	.00080	.0010	2.01	118.7
196	-2.16	.0025	.00037	.00080	.0010	2.01	118.7
197	-1.43	.0061	.00038	.00080	.0010	2.01	118.7
198	-.79	.0106	.00037	.00080	.0010	2.01	118.7
199	-.03	.0183	.00038	.00080	.0010	2.01	118.7
200	.63	.0254	.00038	.00080	.0010	2.01	118.7
201	1.31	.0365	.00038	.00080	.0010	2.01	118.7
202	2.06	.0475	.00038	.00080	.0010	2.01	118.7
203	2.81	.0627	.00038	.00080	.0010	2.01	118.7
204	3.62	.0840	.00038	.00080	.0010	2.01	118.7
205	4.42	.1058	.00038	.00080	.0010	2.01	118.7
206	5.29	.1353	.00038	.00080	.0010	2.01	118.7
207	6.01	.1616	.00038	.00080	.0010	2.01	118.7
208	6.91	.1980	.00038	.00080	.0010	2.01	118.7
209	7.72	.2378	.00038	.00080	.0010	2.01	118.7
210	8.72	.2892	.00038	.00080	.0010	2.01	118.7
211	1.30	.0366	.00038	.00080	.0010	2.01	118.7

TEST 401		RUN 115		MACH .900		CONFIG. 14							
POINT	SINE	Q	DELTA	ALPHA	CM	CA	CM	CROLL	CVAW	CSIDE	CL	CU	L/D
212	.900	263.53	.00	-5.57	-.0886	.01625	.0113	.0004	.0002	-.0003	-.0004	.62098	-6.14
213	.900	263.46	.00	-4.25	-.0423	.01629	.0072	.0005	.0001	-.0005	-.0017	.61884	-1.44
214	.999	263.37	.00	-3.63	-.0094	.01686	.0056	.0006	.0001	-.0003	-.0044	.61572	-1.53
215	.999	263.13	.00	-2.99	.0146	.01754	.0047	.0006	.0001	-.0003	.0155	.61496	1.04
216	.900	263.54	.00	-2.39	.0336	.01785	.0029	.0006	.0002	-.0004	.0343	.61484	2.94
217	.901	264.19	.00	-1.70	.0630	.01824	.0008	.0005	.0001	-.0005	.0635	.61456	4.36
218	.900	263.54	.00	-.97	.0879	.01841	-.0008	.0005	.0001	-.0005	.0882	.61511	5.94
219	.900	263.46	.00	-.42	.1069	.01832	-.0020	.0005	.0001	-.0005	.1071	.61573	6.91
220	.900	263.79	.00	.27	.1316	.01815	-.0037	.0005	.0001	-.0004	.1315	.61698	7.75
221	.900	263.37	.00	.78	.1485	.01793	-.0046	.0005	.0001	-.0004	.1483	.61816	8.16
222	.900	263.62	.00	1.46	.1754	.01761	-.0051	.0004	.0002	-.0004	.1749	.62266	7.63
223	.900	263.54	.00	2.09	.1980	.01726	-.0071	.0005	.0001	-.0005	.1974	.62286	6.72
224	.999	263.29	.00	2.80	.2276	.01706	-.0099	.0006	.0001	-.0004	.2265	.62636	6.50
225	.999	263.21	.00	3.43	.2532	.01688	-.0107	.0006	.0002	-.0004	.2517	.63018	6.36
226	.999	263.21	.01	4.13	.2820	.01669	-.0121	.0006	.0001	-.0005	.2801	.63517	7.47
227	.900	263.62	.01	4.85	.3126	.01664	-.0134	.0006	.0001	-.0004	.3101	.64118	7.83
228	.999	263.13	.01	5.53	.3434	.01672	-.0147	.0006	.0001	-.0004	.3402	.64795	7.83
229	.998	262.72	.01	6.18	.3710	.01709	-.0156	.0005	.0001	-.0004	.3677	.65516	6.85
230	.900	263.46	.00	6.91	.4081	.01708	-.0159	.0005	.0002	-.0004	.4029	.66512	6.19
231	.900	263.78	.00	7.68	.4489	.01912	-.0170	.0005	.0002	-.0004	.4423	.67717	5.73
232	.999	263.13	.01	8.44	.4894	.02305	-.0191	.0006	-.0001	-.0004	.4811	.68984	5.36
233	.999	263.29	.01	9.19	.5275	.02196	-.0189	.0006	-.0001	-.0004	.5174	.69317	5.07
234	.900	263.70	-.00	.78	.1692	.01791	-.0097	.0005	.0001	-.0002	.1690	.62816	8.21

POINT	ALPHA	CLSD	CDC	CDB	CDI	R/FT	TEMP
212	-5.57	.0075	.00043	.00080	.0010	2.01	117.5
213	-4.25	.0010	.00043	.00080	.0010	2.01	117.7
214	-3.63	.0001	.00043	.00080	.0010	2.01	119.0
215	-2.99	.0002	.00043	.00080	.0010	2.00	118.2
216	-2.39	.0012	.00043	.00080	.0010	2.00	118.4
217	-1.70	.0040	.00044	.00080	.0010	2.01	118.5
218	-.97	.0078	.00044	.00080	.0010	2.00	118.0
219	-.42	.0115	.00045	.00080	.0010	2.00	118.0
220	.27	.0173	.00045	.00080	.0010	2.00	118.7
221	.78	.0220	.00047	.00080	.0010	2.00	118.7
222	1.46	.0306	.00048	.00080	.0010	2.00	118.7
223	2.09	.0389	.00051	.00080	.0010	2.00	118.7
224	2.80	.0513	.00053	.00080	.0010	2.00	118.7
225	3.43	.0633	.00054	.00080	.0010	2.00	118.7
226	4.13	.0785	.00056	.00080	.0010	2.00	118.7
227	4.85	.0962	.00057	.00080	.0010	2.00	118.7
228	5.53	.1157	.00059	.00080	.0010	2.00	118.7
229	6.18	.1367	.00060	.00080	.0010	2.00	118.7
230	6.91	.1624	.00063	.00080	.0010	2.00	118.7
231	7.68	.1937	.00067	.00080	.0010	2.00	118.7
232	8.44	.2315	.00072	.00080	.0010	2.00	118.7
233	9.19	.2677	.00078	.00080	.0010	2.00	118.7
234	.78	.0222	.00048	.00080	.0010	2.00	118.9

ORIGINAL PAGE IS OF POOR QUALITY

TEST 401 RUN 117 MACH 1.200 CONFIG. 15

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CVAN	CSIDE	CL	CD	L/D
237	1.200	417.40	0.000	-5.97	-0.1170	01561	02306	00007	00002	-0.0303	-0.1155	0.62460	-4.60
238	1.200	417.42	0.000	-4.44	-0.0495	01881	01113	00007	00002	-0.0006	-0.0479	0.01950	-2.66
239	1.201	417.46	0.000	-3.72	-0.0203	01970	00073	00007	00001	-0.0007	-0.0190	0.01700	-1.06
240	1.201	417.59	0.000	-2.98	0.0101	02071	00032	00007	00001	-0.0006	0.0112	0.01700	0.68
241	1.201	417.48	0.000	-2.26	0.0396	02150	00007	00000	00001	-0.0007	0.0402	0.01882	2.39
242	1.201	417.59	0.000	-1.54	0.0682	02202	00007	00000	00001	-0.0007	0.0688	0.01700	6.02
243	1.201	417.50	0.000	-0.82	0.0965	02229	00006	00000	00001	-0.0007	0.0968	0.01779	9.44
244	1.201	417.51	0.000	-0.10	0.1205	02236	00131	00000	00000	-0.0005	0.1205	0.01975	0.64
245	1.200	417.47	0.000	0.61	0.1550	02240	00173	00000	00001	-0.0006	0.1548	0.02094	7.39
246	1.200	417.37	0.000	1.35	0.1863	02244	00220	00000	00001	-0.0004	0.1856	0.02371	7.03
247	1.200	417.42	0.000	2.07	0.2189	02255	00270	00000	00000	-0.0005	0.2179	0.02735	7.97
248	1.201	417.59	0.000	2.75	0.2476	02280	00314	00000	00001	-0.0005	0.2461	0.03154	7.00
249	1.200	417.34	0.000	3.47	0.2900	02320	00380	00000	00000	-0.0006	0.2890	0.03624	7.53
250	1.200	417.37	0.000	4.36	0.3249	02359	00422	00000	00000	-0.0005	0.3217	0.04509	7.13
251	1.200	417.45	0.000	5.18	0.3612	02424	00459	00000	00000	-0.0006	0.3576	0.05368	6.66
252	1.201	417.56	0.000	6.01	0.3982	02516	00490	00000	00001	-0.0005	0.3936	0.06361	6.18
253	1.200	417.44	0.000	6.85	0.4371	02629	00519	00000	00000	-0.0002	0.4330	0.07509	5.76
254	1.200	417.44	0.000	7.71	0.4786	02765	00551	00000	00000	-0.0002	0.4703	0.08852	5.32
255	1.201	417.64	0.000	1.41	0.1966	02252	00235	00000	00001	-0.0004	0.1950	0.02626	0.08

POINT	ALPHA	CL50	CUC	CDB	CD1	R/FT	TEMP
237	-5.97	0.0133	0.0010	0.0210	0.0010	2.01	118.9
238	-4.44	0.0023	0.0010	0.0210	0.0010	2.01	119.7
239	-3.72	0.0004	0.0010	0.0210	0.0010	2.01	119.7
240	-2.98	0.0001	0.0010	0.0210	0.0010	2.01	118.7
241	-2.26	0.0016	0.0010	0.0210	0.0010	2.01	118.7
242	-1.54	0.0047	0.0010	0.0210	0.0010	2.01	118.9
243	-0.82	0.0096	0.0010	0.0210	0.0010	2.01	118.9
244	-0.10	0.0160	0.0010	0.0210	0.0010	2.01	118.9
245	0.61	0.0240	0.0010	0.0210	0.0010	2.01	118.9
246	1.35	0.0345	0.0010	0.0210	0.0010	2.01	118.7
247	2.07	0.0475	0.0010	0.0210	0.0010	2.01	118.7
248	2.75	0.0605	0.0010	0.0210	0.0010	2.01	118.7
249	3.47	0.0829	0.0010	0.0210	0.0010	2.01	118.6
250	4.36	0.1035	0.0010	0.0210	0.0010	2.01	118.7
251	5.18	0.1279	0.0010	0.0210	0.0010	2.01	118.9
252	6.01	0.1547	0.0010	0.0210	0.0010	2.01	118.7
253	6.85	0.1856	0.0010	0.0210	0.0010	2.01	118.6
254	7.71	0.2216	0.0010	0.0210	0.0010	2.01	118.6
255	1.41	0.0384	0.0010	0.0210	0.0010	2.01	118.7

TEST 401 RUN 118 MACH 1.000 CONFIG. 15

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CRULL	CVAN	CSIDE	CL	CD	L/D
256	1.000	380.96	0.000	-5.94	-0.1074	01614	01462	00007	00002	-0.0303	-0.1052	0.25114	-4.60
257	1.001	381.20	0.000	-4.43	-0.0396	02187	00000	00000	00000	-0.0006	-0.0479	0.01950	-2.66
258	1.001	381.25	0.000	-3.73	-0.0116	02195	00000	00000	00000	-0.0006	-0.0190	0.01700	-1.06
259	1.000	380.85	0.000	-2.97	0.0167	02017	00010	00000	00000	-0.0005	0.0177	0.01700	0.68
260	1.000	380.90	0.000	-2.30	0.0448	02067	00022	00000	00000	-0.0004	0.0402	0.01882	2.39
261	1.000	380.85	0.000	-1.55	0.0735	02097	00057	00000	00000	-0.0005	0.074	0.01975	6.02
262	1.000	380.80	0.000	-0.85	0.1029	02167	00099	00000	00000	-0.0004	0.1023	0.02094	7.39
263	1.000	380.90	0.000	-0.09	0.1339	02104	00121	00000	00000	-0.0004	0.1307	0.02371	7.03
264	1.000	380.90	0.000	0.56	0.1599	02093	00160	00000	00001	-0.0003	0.1597	0.02735	7.97
265	1.000	380.95	0.000	1.33	0.1924	02283	00231	00000	00000	-0.0004	0.1919	0.03154	7.00
266	0.999	380.75	0.000	2.06	0.2203	02295	00274	00000	00000	-0.0005	0.2254	0.03624	7.53
267	0.999	380.65	0.000	2.86	0.2651	02311	00291	00000	00000	-0.0005	0.2637	0.04509	7.13
268	0.999	380.76	0.000	3.59	0.3011	02160	00333	00000	00000	-0.0005	0.2927	0.05368	6.66
269	1.000	380.85	0.000	4.36	0.3356	02186	00372	00000	00001	-0.0005	0.3310	0.06361	6.18
270	1.000	380.86	0.000	5.20	0.3759	02274	00407	00000	00001	-0.0005	0.3729	0.07509	5.76
271	0.998	380.65	0.000	6.02	0.4151	02365	00433	00000	00001	-0.0005	0.4103	0.08852	5.32
272	0.999	380.69	0.000	6.78	0.4495	02483	00453	00000	00001	-0.0005	0.4436	0.10000	4.90
273	0.998	380.30	0.000	7.76	0.5031	02712	00496	00000	00001	-0.0004	0.4949	0.12000	4.46
274	1.000	380.85	0.000	1.33	0.1977	02085	00204	00000	00000	-0.0005	0.1971	0.02335	0.64

POINT	ALPHA	CL50	CUC	CDB	CD1	R/FT	TEMP
256	-5.94	0.0111	0.0000	0.0110	0.0010	2.01	118.6
257	-4.43	0.0014	0.0000	0.0110	0.0010	2.01	118.6
258	-3.70	0.0001	0.0000	0.0110	0.0010	2.01	118.6
259	-2.97	0.0003	0.0000	0.0110	0.0010	2.01	118.6
260	-2.30	0.0021	0.0000	0.0110	0.0010	2.01	118.6
261	-1.55	0.0055	0.0000	0.0110	0.0010	2.01	118.7
262	-0.85	0.0105	0.0000	0.0110	0.0010	2.01	118.7
263	-0.09	0.0179	0.0000	0.0110	0.0010	2.01	118.7
264	0.56	0.0255	0.0000	0.0110	0.0010	2.01	118.9
265	1.33	0.0368	0.0000	0.0110	0.0010	2.01	118.7
266	2.06	0.0508	0.0000	0.0110	0.0010	2.01	118.7
267	2.86	0.0696	0.0000	0.0110	0.0010	2.01	118.7
268	3.59	0.0895	0.0000	0.0110	0.0010	2.01	118.6
269	4.36	0.1109	0.0000	0.0110	0.0010	2.01	118.6
270	5.20	0.1386	0.0000	0.0110	0.0010	2.01	118.6
271	6.02	0.1683	0.0000	0.0110	0.0010	2.01	118.6
272	6.78	0.1966	0.0000	0.0110	0.0010	2.01	118.6
273	7.76	0.2448	0.0000	0.0110	0.0010	2.00	118.9
274	1.33	0.0389	0.0000	0.0110	0.0010	2.01	118.9

TEST 001		RUN 119		MACH .950		CONFIG. 15							
POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CF	C/D
275	.951	370.36	...	-5.97	-1126	.01351	-.0149	.0005	.0003	-.0004	-.1106	...	...
276	.951	369.95	...	-6.42	-.0408	.01633	-.0071	.0007	.0001	-.0005	-.0394	...	...
277	.951	370.29	...	-3.71	-.0109	.01718	.0041	.0008	.0001	-.0004	-.0098	...	...
278	.951	370.26	...	-2.99	.0167	.01785	.0011	.0008	.0001	-.0005	.0176	...	...
279	.951	370.01	...	-2.26	.0471	.01846	-.0022	.0008	.0000	-.0005	.0478	...	...
280	.951	370.29	...	-1.62	.0715	.01878	-.0052	.0009	.0000	-.0005	.0727	...	...
281	.951	370.93	...	-.84	.1041	.01907	-.0091	.0008	-.0000	-.0004	.1044	...	...
282	.951	370.19	...	-.22	.1278	.01899	-.0118	.0007	-.0000	-.0004	.1279	...	...
283	.951	370.05	...	.55	.1670	.01899	-.0155	.0007	.0000	-.0004	.1619	...	...
284	.951	369.79	...	1.30	.1943	.01884	-.0189	.0007	.0000	-.0004	.1934	...	...
285	.952	370.57	...	2.03	.2253	.01889	-.0225	.0009	.0000	-.0005	.2245	...	...
286	.951	370.25	...	2.73	.2578	.01900	-.0268	.0012	.0001	-.0004	.2568	...	...
287	.951	370.37	...	3.46	.3003	.01942	-.0315	.0014	.0000	-.0006	.2998	...	...
288	.953	370.81	...	4.33	.3349	.01991	-.0342	.0015	-.0001	-.0004	.3325	...	...
289	.951	369.95	...	5.12	.3692	.02039	-.0358	.0017	-.0001	-.0004	.3656	...	...
290	.951	370.37	...	5.94	.4053	.02122	-.0377	.0016	-.0001	-.0006	.4017	...	...
291	.950	369.79	...	6.84	.4514	.02282	-.0393	.0016	-.0001	-.0005	.4464	...	...
292	.951	369.86	...	7.76	.4976	.02456	-.0411	.0015	-.0001	-.0007	.4949	...	...
293	.950	369.91	...	1.27	.1915	.01885	-.0186	.0007	.0000	-.0005	.1917	...	...

POINT	ALPHA	CLSD	COL	CDB	COI	R/FT	TEMP
275	-5.97	.0122	.00009	.00073	.0010	2.01	118.7
276	-6.42	.0135	.00009	.00073	.0010	2.01	118.7
277	-3.71	.0109	.00007	.00073	.0010	2.01	118.7
278	-2.99	.0167	.00009	.00073	.0010	2.01	118.7
279	-2.26	.0167	.00009	.00073	.0010	2.01	118.6
280	-1.62	.0152	.00008	.00073	.0010	2.01	118.7
281	-.84	.0143	.00009	.00073	.0010	2.01	118.7
282	-.22	.0159	.00009	.00073	.0010	2.01	118.7
283	.55	.0162	.00009	.00073	.0010	2.01	118.7
284	1.30	.0179	.00009	.00073	.0010	2.01	118.6
285	2.03	.0186	.00009	.00073	.0010	2.01	118.7
286	2.73	.0189	.00009	.00073	.0010	2.01	118.7
287	3.46	.0191	.00009	.00073	.0010	2.01	118.7
288	4.33	.0195	.00009	.00073	.0010	2.01	118.7
289	5.12	.0198	.00009	.00073	.0010	2.01	118.7
290	5.94	.0203	.00009	.00073	.0010	2.01	118.9
291	6.84	.0208	.00009	.00073	.0010	2.01	118.7
292	7.76	.0214	.00009	.00073	.0010	2.01	118.7
293	1.27	.0125	.00009	.00073	.0010	2.01	118.7

TEST 001		RUN 120		MACH .900		CONFIG. 15							
POINT	MINF	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CF	C/D
294	.901	357.81	...	-5.91	-1098	.01325	.0143	.0007	.0003	-.0004	-.1104	...	...
295	.901	357.95	...	-6.45	-.0450	.01570	-.0078	.0008	.0001	-.0004	-.0394	...	...
296	.901	357.91	...	-3.72	-.0127	.01671	.0048	.0008	.0001	-.0004	-.0111	...	...
297	.901	357.97	...	-2.98	.0173	.01753	.0019	.0008	.0001	-.0004	.0176	...	...
298	.901	357.73	...	-2.27	.0460	.01810	-.0029	.0009	.0001	-.0004	.0478	...	...
299	.900	357.55	...	-1.52	.0750	.01840	-.0057	.0008	.0000	-.0004	.0727	...	...
300	.901	357.97	...	-.88	.1096	.01850	-.0087	.0008	-.0000	-.0004	.1044	...	...
301	.901	357.74	...	-.16	.1274	.01856	-.0107	.0007	-.0000	-.0004	.1279	...	...
302	.901	357.84	...	.50	.1531	.01839	-.0111	.0007	.0000	-.0004	.1619	...	...
303	.900	357.44	...	1.23	.1814	.01813	-.0135	.0006	.0000	-.0004	.1934	...	...
304	.901	357.73	...	1.96	.2119	.01796	-.0161	.0007	.0000	-.0004	.2245	...	...
305	.901	357.87	...	2.67	.2438	.01789	-.0194	.0009	.0001	-.0004	.2568	...	...
306	.900	357.37	...	3.45	.2822	.01815	-.0235	.0011	-.0000	-.0004	.2998	...	...
307	.900	357.44	...	4.22	.3170	.01841	-.0268	.0014	-.0001	-.0004	.3325	...	...
308	.901	357.80	...	5.08	.3597	.01808	-.0295	.0016	-.0001	-.0004	.3656	...	...
309	.901	357.87	...	5.93	.4013	.02001	-.0311	.0016	-.0001	-.0004	.4017	...	...
310	.901	357.73	...	6.76	.4416	.02143	-.0322	.0016	-.0001	-.0004	.4464	...	...
311	.901	357.74	...	7.62	.4832	.02304	-.0342	.0012	-.0001	-.0004	.4949	...	...
312	.901	357.97	...	8.54	.5375	.02444	-.0364	.0015	-.0003	-.0007	.5277	...	...
313	.900	357.54	...	1.24	.1863	.01814	-.0139	.0007	.0000	-.0004	.1917	...	...

POINT	ALPHA	CLSD	COL	CDB	COI	R/FT	TEMP
294	-5.91	.0114	.00008	.00080	.0010	2.01	118.5
295	-6.45	.0119	.00007	.00080	.0010	2.01	118.7
296	-3.72	.0101	.00007	.00080	.0010	2.01	118.7
297	-2.98	.0103	.00007	.00080	.0010	2.01	118.6
298	-2.27	.0122	.00008	.00080	.0010	2.01	118.6
299	-1.52	.0157	.00008	.00080	.0010	2.01	118.6
300	-.88	.0171	.00007	.00080	.0010	2.01	118.5
301	-.16	.0182	.00008	.00080	.0010	2.01	118.7
302	.50	.0184	.00008	.00080	.0010	2.01	118.7
303	1.23	.0188	.00008	.00080	.0010	2.01	118.6
304	1.96	.0194	.00009	.00080	.0010	2.01	118.6
305	2.67	.0199	.00007	.00080	.0010	2.01	118.6
306	3.45	.0207	.00008	.00080	.0010	2.01	118.6
307	4.22	.0209	.00008	.00080	.0010	2.01	118.7
308	5.08	.0212	.00007	.00080	.0010	2.01	118.7
309	5.93	.0217	.00008	.00080	.0010	2.01	118.6
310	6.76	.0221	.00008	.00080	.0010	2.01	118.6
311	7.62	.0225	.00008	.00080	.0010	2.01	118.6
312	8.54	.0229	.00008	.00080	.0010	2.01	118.6
313	1.24	.0194	.00008	.00080	.0010	2.01	118.6

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TEST 401		RUN 121		MACH .600		CONFIG. 15							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
314	.600	263.79	-.66	-5.73	-.0994	.01308	.0118	.0003	.0002	-.0004	-.0976	-.02113	-4.62
315	.600	263.62	.00	-6.32	-.0378	.01552	.0071	.0006	.0001	-.0003	-.0366	-.01653	-2.21
316	.600	263.87	.00	-3.68	-.0138	.01624	.0036	.0006	.0001	-.0004	-.0127	-.01529	-.83
317	.600	263.79	.00	-3.03	.0119	.01695	.0039	.0007	.0001	-.0005	.0128	.01449	.89
318	.601	264.36	.00	-2.39	.0358	.01744	.0022	.0006	.0000	-.0007	.0365	.01413	2.59
319	.601	264.44	.00	-1.76	.0586	.01771	.0007	.0006	.0000	-.0005	.0591	.01410	4.19
321	.600	263.79	.00	-1.13	.0811	.01788	-.0007	.0005	.0000	-.0006	.0815	.01448	5.63
321	.600	264.03	.00	-.44	.1063	.01785	-.0024	.0005	-.0000	-.0003	.1064	-.01523	6.99
322	.600	263.62	.00	.11	.1251	.01716	-.0036	.0006	.0000	-.0004	.1259	.01620	7.72
323	.600	263.79	.00	.76	.1485	.01769	-.0050	.0005	.0000	-.0004	.1482	.01766	8.46
324	.600	263.54	.00	1.39	.1710	.01718	-.0062	.0005	.0001	-.0009	.1706	.01951	8.74
325	.600	263.46	.00	2.07	.1966	.01694	-.0072	.0005	.0001	-.0010	.1959	.02224	8.81
326	.599	263.21	.00	2.72	.2206	.01682	-.0084	.0007	.0002	-.0009	.2195	.02547	8.62
327	.599	263.54	.01	3.33	.2467	.01679	-.0107	.0005	.0001	-.0011	.2453	.02927	8.38
328	.599	263.21	.01	4.03	.2782	.01672	-.0124	.0011	.0001	-.0014	.2763	.03444	8.02
329	.600	263.54	.01	4.73	.3071	.01681	-.0137	.0014	.0001	-.0016	.3066	.04028	7.56
330	.599	263.30	.01	5.40	.3373	.01705	-.0148	.0016	.0001	-.0021	.3362	.04692	7.12
331	.596	263.13	.01	6.15	.3729	.01774	-.0156	.0017	.0001	-.0023	.3699	.05570	6.61
332	.600	263.46	.00	6.89	.4059	.01883	-.0158	.0015	.0003	-.0023	.4087	.06556	6.11
333	.600	263.54	.01	7.62	.4417	.02006	-.0158	.0011	.0002	-.0026	.4382	.07667	5.69
334	.600	263.54	.01	8.37	.4805	.02136	-.0158	.0013	-.0001	-.0021	.4723	.08926	5.29
335	.599	263.37	.01	9.10	.5118	.02233	-.0143	.0017	-.0001	-.0020	.5018	.11119	4.96
336	.601	264.52	.00	.81	.1557	.01759	-.0053	.0005	.0000	-.0004	.1554	.01798	8.64

POINT	ALPHA	CL50	LDC	CDB	CDI	R/FT	TEMP
314	-5.73	.0695	.00042	.00000	.0010	2.00	118.6
315	-6.32	.0013	.00044	.00000	.0010	2.00	118.6
316	-3.68	.0002	.00043	.00000	.0010	2.01	118.6
317	-3.03	.0002	.00044	.00000	.0010	2.01	118.6
318	-2.39	.0013	.00043	.00000	.0010	2.01	118.6
319	-1.76	.0035	.00043	.00000	.0010	2.01	118.6
320	-1.13	.0066	.00043	.00000	.0010	2.00	118.6
321	-.44	.0113	.00043	.00000	.0010	2.01	118.6
322	.11	.0156	.00043	.00000	.0010	2.00	118.6
323	.76	.0220	.00040	.00000	.0010	2.00	118.7
324	1.39	.0291	.00040	.00000	.0010	2.00	119.7
325	2.07	.0384	.00041	.00000	.0010	2.00	118.7
326	2.72	.0492	.00041	.00000	.0010	2.00	118.7
327	3.33	.0602	.00044	.00000	.0010	2.00	118.6
328	4.03	.0763	.00047	.00000	.0010	2.00	118.7
329	4.73	.0928	.00048	.00000	.0010	2.00	118.7
330	5.40	.1117	.00049	.00000	.0010	2.00	118.6
331	6.15	.1391	.00049	.00000	.0010	2.00	118.6
332	6.89	.1676	.00049	.00000	.0010	2.00	118.6
333	7.62	.1994	.00049	.00000	.0010	2.00	118.6
334	8.37	.2331	.00049	.00000	.0010	2.00	118.6
335	9.10	.2683	.00049	.00000	.0010	2.00	119.7
336	.81	.0242	.00047	.00000	.0010	2.01	119.6

TEST 401		RUN 122		MACH 1.200		CONFIG. 15							
POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
339	1.200	417.37	2.05	-5.77	-.1070	.01629	.0193	.0027	-.0005	-.0035	-.1044	.02388	-4.39
340	1.201	417.64	2.05	-6.43	-.1512	.01443	.0114	.0015	-.0003	-.0039	-.1446	.01923	-2.44
341	1.201	417.45	2.05	-3.61	-.1134	.01999	.0091	.0007	-.0005	-.0042	-.1021	.01758	-.67
342	1.201	417.56	2.06	-2.88	-.1159	.02079	.0022	.0012	-.0005	-.0044	.0167	.01690	.95
343	1.201	417.53	2.06	-2.17	-.1045	.02149	-.0017	.0006	-.0005	-.0047	.0453	.01669	2.71
344	1.200	417.40	2.06	-1.39	-.1008	.02205	-.0054	.0009	-.0005	-.0050	.0753	.01713	4.60
345	1.200	417.39	2.06	-.71	-.1008	.02228	-.0095	.0015	-.0005	-.0052	.1111	.01794	5.83
346	1.200	417.39	2.06	-.02	-.1287	.02240	-.0135	.0022	-.0006	-.0051	.1297	.01926	6.84
347	1.200	417.45	2.06	.71	-.1584	.02243	-.0179	.0028	-.0009	-.0053	.1591	.02130	7.42
348	1.201	417.53	2.06	1.52	-.1917	.02245	-.0233	.0034	-.0009	-.0052	.1911	.02441	7.93
349	1.201	417.45	2.06	2.19	-.2220	.02256	-.0278	.0046	-.0010	-.0054	.2217	.02794	7.91
350	1.200	417.34	2.06	2.90	-.2527	.02291	-.0324	.0060	-.0012	-.0055	.2512	.03245	7.74
351	1.200	417.39	2.05	3.73	-.2931	.02332	-.0386	.0074	-.0012	-.0056	.2910	.03917	7.44
352	1.200	417.39	2.05	4.44	-.3298	.02394	-.0433	.0085	-.0014	-.0059	.3270	.04653	7.03
353	1.200	417.39	2.04	5.23	-.3651	.02456	-.0465	.0086	-.0016	-.0055	.3613	.05495	6.58
354	1.200	417.39	2.04	6.13	-.4041	.02552	-.0498	.0089	-.0018	-.0052	.3991	.06547	6.10
355	1.199	417.28	2.03	7.03	-.4466	.02671	-.0533	.0072	-.0017	-.0054	.4440	.07811	5.63
356	1.200	417.36	2.04	7.94	-.4919	.02827	-.0565	.0077	-.0019	-.0052	.4833	.09288	5.21
357	1.200	417.40	2.06	1.51	-.1992	.02252	-.0242	.0035	-.0009	-.0050	.1995	.02446	4.05

POINT	ALPHA	CL50	LDC	CDB	CDI	R/FT	TEMP
339	-5.77	.0110	.00120	.00210	.0010	2.00	120.7
340	-6.43	.0025	.00120	.00210	.0010	2.00	120.4
341	-3.61	.0001	.00122	.00210	.0010	2.00	120.0
342	-2.88	.0003	.00122	.00210	.0010	2.00	119.9
343	-2.17	.0021	.00122	.00210	.0010	2.00	119.7
344	-1.39	.0057	.00123	.00210	.0010	2.00	119.6
345	-.71	.0102	.00124	.00210	.0010	2.00	119.5
346	-.02	.0166	.00130	.00210	.0010	2.01	119.2
347	.71	.0250	.00130	.00210	.0010	2.01	119.1
348	1.52	.0365	.00134	.00210	.0010	2.01	119.1
349	2.19	.0488	.00137	.00210	.0010	2.01	119.0
350	2.90	.0631	.00140	.00210	.0010	2.01	119.0
351	3.70	.0847	.00143	.00210	.0010	2.01	119.0
352	4.48	.1069	.00145	.00210	.0010	2.01	119.0
353	5.28	.1305	.00148	.00210	.0010	2.01	119.0
354	6.13	.1593	.00150	.00210	.0010	2.01	119.0
355	7.03	.1936	.00153	.00210	.0010	2.01	119.0
356	7.94	.2336	.00156	.00210	.0010	2.01	119.0
357	1.51	.0394	.00142	.00210	.0010	2.01	118.9

TEST 404 RUN 123 MACH 1.000 CONFIG. 15

POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
359	1.001	391.37	2.00	-5.87	-0.1056	0.01638	0.0168	0.0026	-0.0017	-0.0030	-0.0034	0.2498	-4.14
359	1.002	391.77	2.00	-4.28	-0.0340	0.01891	0.0065	0.011	-0.0017	-0.0035	-0.0325	0.1929	-1.68
363	1.001	391.46	2.00	-3.56	-0.0056	0.01967	0.0033	0.0016	-0.0017	-0.0037	-0.0046	0.1788	-0.24
361	1.001	391.60	2.00	-2.84	0.0232	0.02034	0.001	0.0011	-0.0016	-0.0041	0.0242	0.1737	1.42
362	1.001	391.67	2.00	-2.15	0.0503	0.02078	-0.0037	0.0005	-0.0005	-0.0044	0.0310	0.1678	0.66
363	1.001	391.52	2.00	-1.45	0.0785	0.02113	-0.002	0.0012	-0.0006	-0.0045	0.0390	0.1694	0.66
364	1.001	391.31	2.00	-0.77	0.1045	0.02113	-0.0030	0.0016	-0.0005	-0.0046	0.0467	0.1763	0.66
365	1.001	391.43	2.00	-0.02	0.1350	0.02094	-0.0126	0.0024	-0.0006	-0.0047	0.0547	0.1882	0.67
366	1.001	391.37	2.00	0.64	0.1632	0.02084	-0.0161	0.0031	-0.0007	-0.0048	0.0625	0.2056	0.62
367	1.001	391.19	2.00	1.37	0.1932	0.02079	-0.0194	0.0036	-0.0009	-0.0049	0.0706	0.2237	0.57
368	1.001	391.38	2.00	2.16	0.2302	0.02090	-0.0247	0.0041	-0.0012	-0.0053	0.0793	0.2474	0.55
369	1.001	391.28	2.00	2.96	0.2676	0.02117	-0.0294	0.0046	-0.0013	-0.0054	0.0884	0.2709	0.51
370	1.001	391.22	2.00	3.68	0.3017	0.02135	-0.0339	0.0054	-0.0015	-0.0059	0.0977	0.3054	0.57
371	1.001	391.32	2.00	4.48	0.3413	0.02211	-0.0381	0.0061	-0.0017	-0.0064	0.1074	0.3459	0.57
372	1.001	391.35	2.00	5.29	0.3809	0.02291	-0.0422	0.0068	-0.0019	-0.0069	0.1172	0.3906	0.55
373	1.001	391.12	2.00	6.21	0.4247	0.02429	-0.0466	0.0073	-0.0021	-0.0074	0.1274	0.4394	0.54
374	1.001	391.29	2.00	7.03	0.4641	0.02569	-0.0508	0.0078	-0.0023	-0.0079	0.1375	0.4992	0.52
375	1.001	391.46	2.00	7.91	0.5117	0.02775	-0.0549	0.0078	-0.0024	-0.0084	0.1477	0.5645	0.50
376	1.001	391.50	2.00	1.53	0.2123	0.02103	-0.0235	0.0058	-0.0011	-0.0065	0.2117	0.2660	0.61

POINT	ALPHA	CLSW	CLC	CDB	CDI	R/PT	TEMP
359	-5.87	0.0117	0.0000	0.0110	0.010	2.01	118.6
359	-4.28	0.0111	0.0000	0.0110	0.010	2.01	118.6
361	-3.56	0.0101	0.0000	0.0110	0.010	2.01	118.6
361	-2.84	0.0076	0.0000	0.0110	0.010	2.01	118.6
362	-2.15	0.0026	0.0000	0.0110	0.010	2.01	118.6
363	-1.45	0.0052	0.0000	0.0110	0.010	2.01	118.6
364	-0.77	0.011	0.0000	0.0110	0.010	2.01	118.6
364	0.02	0.0192	0.0000	0.0110	0.010	2.01	118.7
365	0.64	0.0267	0.0000	0.0110	0.010	2.01	118.7
366	1.37	0.0371	0.0000	0.0110	0.010	2.01	118.7
366	2.16	0.0526	0.0000	0.0110	0.010	2.01	118.7
369	2.96	0.0710	0.0000	0.0110	0.010	2.01	118.7
370	3.68	0.0899	0.0000	0.0110	0.010	2.01	118.7
371	4.48	0.1166	0.0000	0.0110	0.010	2.01	118.7
372	5.29	0.1422	0.0000	0.0110	0.010	2.01	118.7
373	6.21	0.1660	0.0000	0.0110	0.010	2.01	118.7
374	7.03	0.1993	0.0000	0.0110	0.010	2.01	118.7
375	7.91	0.2330	0.0000	0.0110	0.010	2.01	118.6
376	1.53	0.0443	0.0000	0.0110	0.010	2.01	118.6

TEST 404 RUN 124 MACH 0.950 CONFIG. 15

POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
377	0.951	390.13	2.00	-5.81	-0.1025	0.01411	0.0137	0.0019	-0.0007	-0.0031	-0.0035	0.2271	-4.00
378	0.950	390.44	2.00	-4.27	-0.0333	0.01664	0.0052	0.0018	-0.0008	-0.0035	-0.0321	0.1736	-1.60
379	0.950	390.50	2.00	-3.53	-0.0115	0.01765	0.0027	0.0018	-0.0008	-0.0038	-0.0045	0.1694	-0.03
380	0.950	390.17	2.00	-2.83	0.0249	0.01913	0.0012	0.0005	-0.0007	-0.0041	0.0258	0.1618	0.57
381	0.950	390.47	2.00	-2.14	0.0549	0.01869	-0.0013	0.0006	-0.0006	-0.0044	0.0355	0.1653	0.57
382	0.950	390.29	2.00	-1.46	0.0823	0.01903	-0.0017	0.0014	-0.0007	-0.0047	0.0454	0.1701	0.56
383	0.950	390.51	2.00	-0.69	0.1136	0.01816	-0.0024	0.0021	-0.0007	-0.0047	0.0557	0.1737	0.56
384	0.950	390.29	2.00	0.01	0.1395	0.01899	-0.0029	0.0028	-0.0007	-0.0047	0.0664	0.1737	0.56
385	0.950	390.12	2.00	0.76	0.1705	0.01997	-0.0034	0.0035	-0.0007	-0.0047	0.0773	0.1794	0.55
386	0.950	390.40	2.00	1.43	0.2000	0.01992	-0.0039	0.0039	-0.0008	-0.0046	0.0884	0.1874	0.54
387	0.950	390.47	2.00	2.15	0.2325	0.01989	-0.0044	0.0041	-0.0008	-0.0041	0.1000	0.2091	0.50
388	0.950	390.11	2.00	2.90	0.2672	0.01908	-0.0049	0.0046	-0.0008	-0.0043	0.1124	0.2359	0.48
389	0.950	390.19	2.00	3.66	0.3017	0.01925	-0.0054	0.0054	-0.0008	-0.0044	0.1254	0.2659	0.45
390	0.950	390.51	2.00	4.48	0.3425	0.02004	-0.0059	0.0063	-0.0008	-0.0044	0.1387	0.2994	0.42
391	0.950	390.19	2.00	5.23	0.3738	0.02057	-0.0064	0.0068	-0.0008	-0.0044	0.1524	0.3369	0.39
392	0.950	390.51	2.00	6.11	0.4148	0.02173	-0.0069	0.0073	-0.0008	-0.0044	0.1664	0.3774	0.36
393	0.950	390.19	2.00	7.01	0.4612	0.02323	-0.0074	0.0078	-0.0008	-0.0044	0.1807	0.4216	0.34
394	0.950	390.29	2.00	7.92	0.5081	0.02512	-0.0079	0.0086	-0.0008	-0.0044	0.1954	0.4694	0.31
395	0.950	390.59	2.00	1.44	0.2039	0.01898	-0.0032	0.0039	-0.0008	-0.0045	0.2034	0.2238	0.50

POINT	ALPHA	CLSW	CLC	CDB	CDI	R/PT	TEMP
377	-5.81	0.0101	0.0000	0.0070	0.010	2.01	118.6
378	-4.27	0.0100	0.0000	0.0070	0.010	2.01	118.6
379	-3.53	0.0030	0.0000	0.0070	0.010	2.01	118.6
380	-2.83	0.0007	0.0000	0.0070	0.010	2.00	118.7
381	-2.14	0.0031	0.0000	0.0070	0.010	2.01	118.7
382	-1.46	0.0068	0.0000	0.0070	0.010	2.00	118.7
383	-0.69	0.0129	0.0000	0.0070	0.010	2.01	118.7
384	0.01	0.0195	0.0000	0.0070	0.010	2.01	118.6
385	0.76	0.0290	0.0000	0.0070	0.010	2.01	118.6
386	1.43	0.0398	0.0000	0.0070	0.010	2.01	118.6
387	2.15	0.0534	0.0000	0.0070	0.010	2.01	118.6
388	2.90	0.0707	0.0000	0.0070	0.010	2.00	118.6
389	3.66	0.0899	0.0000	0.0070	0.010	2.00	118.7
390	4.48	0.1155	0.0000	0.0070	0.010	2.01	118.6
391	5.23	0.1372	0.0000	0.0070	0.010	2.01	118.6
392	6.11	0.1682	0.0000	0.0070	0.010	2.01	118.6
393	7.01	0.2070	0.0000	0.0070	0.010	2.01	118.6
394	7.92	0.2498	0.0000	0.0070	0.010	2.01	118.6
395	1.44	0.0414	0.0000	0.0070	0.010	2.01	118.7

ORIGINAL PAGE IS OF POOR QUALITY

		TEST 481		RUN 125		MACH .900		CONFIG. 15					
POINT	TIME	U	DELTA	ALPHA	CN	CA	CM	CRULL	CVAM	CSIDE	CL	CO	L/D
396	.900	357.48	2.05	-5.78	-.0996	.01377	.0133	.0021	-.0007	-.0032	-.0077	.00193	-4.46
397	.901	357.59	2.05	-6.32	-.0360	.01605	.0070	.0010	-.0007	-.0034	-.00367	.00736	-2.15
398	.901	357.66	2.05	-3.57	-.0645	.01796	.0037	.0004	-.0007	-.0030	-.0035	.00551	-2.22
399	.901	357.66	2.05	-2.81	.0275	.01787	.0077	-.0003	-.0007	-.0007	-.0004	.00676	1.92
400	.900	357.44	2.05	-2.14	.0542	.01839	-.0018	-.0008	-.0007	-.0007	-.0004	.00548	3.77
401	.901	357.60	2.05	-1.38	.0841	.01868	-.0044	-.0015	-.0007	-.0007	-.0004	.00645	7.49
402	.901	357.98	2.05	-.68	.1105	.01876	-.0071	-.0021	-.0007	-.0007	-.0004	.00677	7.07
403	.901	357.86	2.05	.01	.1374	.01860	-.0096	-.0026	-.0007	-.0007	-.0004	.00674	8.17
404	.901	357.61	2.05	.67	.1627	.01840	-.0119	-.0032	-.0007	-.0007	-.0004	.00625	9.76
405	.900	357.36	2.05	1.43	.1906	.01818	-.0144	-.0037	-.0007	-.0007	-.0004	.00601	9.74
406	.901	357.61	2.05	2.11	.2216	.01805	-.0173	-.0039	-.0014	-.0007	-.0004	.00590	9.66
407	.900	357.36	2.05	2.90	.2564	.01808	-.0207	-.0043	-.0015	-.0007	-.0004	.00552	9.73
408	.900	357.53	2.05	3.62	.2914	.01822	-.0244	-.0048	-.0017	-.0007	-.0004	.00507	9.78
409	.901	357.66	2.05	4.38	.3283	.01867	-.0276	-.0054	-.0020	-.0007	-.0004	.00459	7.76
410	.900	357.36	2.05	5.26	.3795	.01950	-.0296	-.0065	-.0022	-.0007	-.0004	.00472	6.56
411	.901	357.79	2.05	6.17	.4093	.02063	-.0317	-.0071	-.0024	-.0007	-.0004	.00474	6.53
412	.901	357.86	2.05	6.96	.4530	.02196	-.0331	-.0073	-.0024	-.0007	-.0004	.00447	5.84
413	.900	357.36	2.05	7.76	.4946	.02347	-.0345	-.0077	-.0025	-.0007	-.0004	.00408	5.81
414	.900	357.54	2.05	8.57	.5334	.02527	-.0356	-.0081	-.0026	-.0007	-.0004	.00377	5.11
415	.901	357.81	2.05	1.45	.2033	.01828	-.0152	-.0036	-.0010	-.0007	-.0004	.00554	5.77

POINT	ALPHA	CLSD	COL	CDB	CDI	R/FT	TEMP
396	-5.78	.0000	.0000	.0000	.0010	2.01	117.9
397	-6.32	.0013	.0000	.0000	.0010	2.01	117.2
398	-3.57	.0000	.0000	.0000	.0010	2.01	118.4
399	-2.81	.0000	.0000	.0000	.0010	2.01	119.5
400	-2.14	.0000	.0000	.0000	.0010	2.01	119.5
401	-1.38	.0071	.0000	.0000	.0010	2.01	118.4
402	-.68	.0122	.0000	.0000	.0010	2.01	118.6
403	.01	.0189	.0000	.0000	.0010	2.01	118.6
404	.67	.0264	.0000	.0000	.0010	2.01	119.7
405	1.43	.0361	.0000	.0000	.0010	2.01	118.7
406	2.11	.0485	.0000	.0000	.0010	2.01	119.7
407	2.90	.0651	.0000	.0000	.0010	2.01	119.7
408	3.62	.0839	.0000	.0000	.0010	2.01	118.7
409	4.38	.1062	.0000	.0000	.0010	2.01	118.6
410	5.26	.1341	.0000	.0000	.0010	2.01	118.6
411	6.17	.1649	.0000	.0000	.0010	2.01	118.6
412	6.96	.1994	.0000	.0000	.0010	2.01	118.6
413	7.76	.2371	.0000	.0000	.0010	2.01	118.6
414	8.57	.2762	.0000	.0000	.0010	2.01	118.7
415	1.45	.0399	.0000	.0000	.0010	2.01	118.6

		TEST 481		RUN 126		MACH .900		CONFIG. 15					
POINT	TIME	U	DELTA	ALPHA	CN	CA	CM	CRULL	CVAM	CSIDE	CL	CO	L/D
416	.999	263.71	2.05	-5.55	-.0857	.01383	.0109	.0017	-.0007	-.0030	-.0096	.00025	-4.15
417	.999	263.29	2.05	-4.24	-.0315	.01588	.0166	.0007	-.0007	-.0035	-.0030	.00037	-2.65
418	.900	263.70	2.05	-3.59	-.0093	.01642	.0050	.0004	-.0007	-.0036	-.0036	.00042	-2.64
419	.901	264.28	2.05	-2.93	.0200	.01725	.0031	-.0001	-.0007	-.0036	-.0036	.00042	1.96
420	.999	263.29	2.05	-2.27	.0412	.01767	.0017	-.0000	-.0007	-.0036	-.0036	.00042	1.96
421	.900	263.62	2.05	-1.65	.0653	.01794	.0003	-.0001	-.0007	-.0036	-.0036	.00042	1.96
422	.999	263.38	2.05	-1.04	.0835	.01799	-.0003	-.0001	-.0007	-.0036	-.0036	.00042	1.96
423	.900	263.54	2.05	-.43	.1008	.01800	-.0002	-.0001	-.0007	-.0036	-.0036	.00042	1.96
424	.900	263.78	2.05	.27	.1341	.01773	-.0000	-.0002	-.0007	-.0036	-.0036	.00042	1.96
425	.900	263.95	2.05	.92	.1560	.01750	-.0004	-.0001	-.0007	-.0036	-.0036	.00042	1.96
426	.999	263.37	2.05	1.55	.1793	.01725	-.0008	-.0001	-.0007	-.0036	-.0036	.00042	1.96
427	.999	263.13	2.05	2.13	.2007	.01705	-.0007	-.0001	-.0007	-.0036	-.0036	.00042	1.96
428	.999	263.38	2.05	2.42	.2293	.01684	-.0003	-.0001	-.0007	-.0036	-.0036	.00042	1.96
429	.900	263.46	2.05	3.54	.2599	.01683	-.0012	-.0001	-.0007	-.0036	-.0036	.00042	1.96
430	.901	264.11	2.05	4.18	.2841	.01674	-.0013	-.0001	-.0007	-.0036	-.0036	.00042	1.96
431	.900	263.62	2.05	4.84	.3172	.01719	-.0014	-.0001	-.0007	-.0036	-.0036	.00042	1.96
432	.999	263.13	2.05	5.50	.3433	.01760	-.0015	-.0001	-.0007	-.0036	-.0036	.00042	1.96
433	.999	263.13	2.05	6.31	.3819	.01853	-.0019	-.0001	-.0007	-.0036	-.0036	.00042	1.96
434	.999	262.96	2.05	7.04	.4177	.01941	-.0019	-.0001	-.0007	-.0036	-.0036	.00042	1.96
435	.999	263.13	2.05	7.77	.4508	.02032	-.0019	-.0001	-.0007	-.0036	-.0036	.00042	1.96
436	.999	263.05	2.05	8.53	.4908	.02197	-.0014	-.0001	-.0007	-.0036	-.0036	.00042	1.96
437	.999	263.30	2.05	9.29	.5305	.02355	-.0017	-.0001	-.0007	-.0036	-.0036	.00042	1.96
438	.900	263.70	2.05	.92	.1599	.01761	-.0005	-.0001	-.0007	-.0036	-.0036	.00042	1.96

POINT	ALPHA	CLSD	COL	CDB	CDI	R/FT	TEMP
416	-5.55	.0071	.0000	.0000	.0010	2.00	118.6
417	-4.24	.0039	.0000	.0000	.0010	2.01	119.7
418	-3.59	.0001	.0000	.0000	.0010	2.01	118.2
419	-2.93	.0004	.0000	.0000	.0010	2.01	119.5
420	-2.27	.0018	.0000	.0000	.0010	2.00	119.7
421	-1.65	.0043	.0000	.0000	.0010	2.00	118.7
422	-.43	.0070	.0000	.0000	.0010	2.00	118.7
423	.27	.0114	.0000	.0000	.0010	2.00	118.7
424	.92	.0180	.0000	.0000	.0010	2.00	118.6
425	1.55	.0242	.0000	.0000	.0010	2.01	118.5
426	2.13	.0320	.0000	.0000	.0010	2.00	118.5
427	2.42	.0400	.0000	.0000	.0010	2.00	118.5
428	3.54	.0516	.0000	.0000	.0010	2.00	118.5
429	4.18	.0637	.0000	.0000	.0010	2.00	118.5
430	4.84	.0776	.0000	.0000	.0010	2.01	118.5
431	5.50	.0940	.0000	.0000	.0010	2.00	118.5
432	6.31	.1126	.0000	.0000	.0010	2.00	118.5
433	7.04	.1349	.0000	.0000	.0010	2.00	118.6
434	7.77	.1600	.0000	.0000	.0010	2.00	118.7
435	8.53	.1884	.0000	.0000	.0010	2.00	118.7
436	9.29	.2202	.0000	.0000	.0010	2.00	118.7
437	9.29	.2702	.0000	.0000	.0010	2.00	118.7
438	.92	.0259	.0000	.0000	.0010	2.00	118.5

TEST 401		RUN 127		MACH 1.200		CONFIG. 16							
POINT	WING	U	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTOE	CL	CD	L/D
17	1.200	416.42	-.003	-6.61	-.1268	.01834	.02254	.0057	.0004	.0011	-.1242	.02838	-4.34
18	1.200	417.22	-.003	-6.46	-.1297	.02125	.0162	.0057	.0006	.0017	-.1279	.02273	-2.55
19	1.200	417.06	-.002	-3.67	-.0248	.02237	.0212	.0057	.0005	.0009	-.0233	.02281	-4.12
20	1.200	417.11	-.002	-2.95	-.0049	.02319	.0271	.0056	.0003	.0013	.0061	.01991	.31
21	1.200	417.03	-.002	-2.21	-.0393	.02387	.0227	.0059	.0001	.0015	.0362	.01935	1.07
22	1.200	416.93	-.002	-1.50	-.0644	.02436	-.0014	.0059	-.0032	.0014	.0650	.01956	4.32
23	1.200	417.32	-.001	-.75	-.0968	.02454	-.0059	.0060	-.0035	.0024	.0971	.02118	4.01
24	1.200	416.89	-.001	-.07	-.1297	.02459	-.0095	.0060	-.0037	.0027	.1257	.02133	4.46
25	1.200	417.63	-.001	.63	-.1517	.02457	-.0142	.0060	-.0040	.0032	.1514	.02314	4.54
26	1.200	416.94	-.001	1.39	-.1749	.02456	-.0193	.0060	-.0042	.0035	.1863	.02395	7.10
27	1.200	416.93	-.000	2.07	-.2154	.02459	-.0241	.0061	-.0045	.0039	.2144	.02425	7.33
28	1.200	417.02	-.000	2.85	-.2536	.02487	-.0306	.0060	-.0045	.0038	.2527	.02441	7.22
29	1.200	416.74	.000	3.61	-.2884	.02519	-.0359	.0060	-.0046	.0039	.2863	.02415	7.12
30	1.200	417.03	.000	4.38	-.3236	.02556	-.0406	.0061	-.0046	.0034	.3214	.02410	6.81
31	1.200	416.87	.000	5.19	-.3611	.02629	-.0445	.0065	-.0048	.0041	.3572	.02576	6.41
32	1.200	416.94	.001	6.06	-.3998	.02729	-.0479	.0065	-.0042	.0044	.3944	.02528	6.04
33	1.200	416.78	.001	6.92	-.4405	.02852	-.0515	.0063	-.0045	.0053	.4336	.02724	5.56
34	1.200	417.01	.001	7.75	-.4825	.03004	-.0552	.0064	-.0044	.0051	.4747	.02816	5.14
35	1.200	417.02	-.001	1.40	-.1989	.02466	-.0197	.0065	-.0042	.0035	.1942	.02506	7.25

POINT	ALPHA	CLSQ	LUC	CDB	CDI	R/PT	TEMP
17	-6.61	.00154	.000124	.00210	.0010	2.00	120.9
18	-6.46	.00133	.000123	.00210	.0010	2.00	120.4
19	-3.67	.00005	.000123	.00210	.0010	2.00	120.0
20	-2.95	.00000	.000124	.00210	.0010	2.00	119.7
21	-2.21	.00013	.000124	.00210	.0010	2.00	119.5
22	-1.50	.00062	.000122	.00210	.0010	2.00	119.4
23	-.75	.00194	.000122	.00210	.0010	2.00	119.2
24	-.07	.00496	.000121	.00210	.0010	2.00	119.2
25	.63	.00829	.000121	.00210	.0010	2.00	119.1
26	1.39	.01340	.000123	.00210	.0010	2.00	118.9
27	2.07	.02060	.000121	.00210	.0010	2.00	118.9
28	2.85	.02835	.000120	.00210	.0010	2.00	118.8
29	3.61	.03614	.000124	.00210	.0010	2.00	118.9
30	4.38	.04390	.000123	.00210	.0010	2.00	118.9
31	5.19	.05175	.000120	.00210	.0010	2.00	118.9
32	6.06	.05957	.000121	.00210	.0010	2.00	118.9
33	6.92	.06742	.000121	.00210	.0010	2.00	118.9
34	7.75	.07527	.000121	.00210	.0010	2.00	118.9
35	1.40	.00354	.000121	.00210	.0010	2.00	118.9

TEST 401		RUN 124		MACH 1.000		CONFIG. 16							
POINT	WING	U	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	CSTOE	CL	CD	L/D
36	1.000	340.40	-.003	-6.02	-.1265	.02136	.0214	.0075	.0006	.0010	-.1239	.02442	-4.10
37	1.000	340.66	-.003	-4.46	-.0562	.02157	.0213	.0077	.0004	.0017	-.0546	.02376	-2.70
38	1.000	340.73	-.002	-3.71	-.0277	.02231	.0217	.0078	.0003	.0017	-.0255	.02191	-1.60
39	1.000	340.56	-.002	-3.00	-.0004	.02244	.0240	.0079	.0002	.0019	.0004	.02175	.20
40	.998	340.37	-.002	-2.27	-.0320	.02336	.0244	.0080	.0001	.0021	.0329	.02147	1.00
41	.999	340.32	-.002	-1.59	-.0572	.02357	.0213	.0081	-.0001	.0023	.0574	.02147	2.01
42	.999	340.30	-.002	-.86	-.0811	.02380	-.0227	.0080	-.0003	.0026	.0894	.02135	4.00
43	.999	340.22	-.002	-.14	-.1182	.02378	-.0261	.0080	-.0005	.0029	.1142	.02134	6.00
44	.999	340.20	-.001	.58	-.1432	.02355	-.0294	.0079	-.0007	.0034	.1447	.02134	6.00
45	.999	340.05	-.001	1.33	-.1746	.02326	-.0331	.0078	-.0009	.0037	.1790	.02132	7.00
46	.999	340.15	-.001	2.17	-.2153	.02311	-.0374	.0080	-.0010	.0037	.2143	.02130	7.00
47	.998	340.67	-.001	2.82	-.2527	.02303	-.0423	.0080	-.0010	.0035	.2512	.02130	7.00
48	.999	340.17	-.001	3.61	-.2913	.02314	-.0474	.0082	-.0009	.0034	.2943	.02130	7.00
49	.998	340.74	-.000	4.41	-.3303	.02332	-.0525	.0083	-.0008	.0033	.3275	.02130	7.00
50	.998	340.88	-.000	5.14	-.3641	.02389	-.0581	.0084	-.0008	.0037	.3600	.02130	6.00
51	.998	340.79	.000	6.00	-.4039	.02494	-.0640	.0085	-.0008	.0046	.4044	.02130	5.00
52	.998	340.43	.000	6.84	-.4453	.02642	-.0700	.0086	-.0008	.0044	.4444	.02130	5.00
53	.997	340.59	.000	7.67	-.4881	.02777	-.0767	.0087	-.0008	.0044	.4844	.02130	5.00
54	.999	340.34	-.001	1.36	-.1842	.02329	-.0314	.0079	-.0009	.0037	.1876	.02130	7.00

POINT	ALPHA	CLSQ	LUC	CDB	CDI	R/PT	TEMP
36	-6.02	.00154	.000001	.00110	.0010	2.00	118.8
37	-4.46	.00030	.000000	.00110	.0010	2.00	118.8
38	-3.71	.00006	.000000	.00110	.0010	2.00	118.8
39	-3.00	.00000	.000001	.00110	.0010	2.00	118.5
40	-2.27	.00011	.000004	.00110	.0010	2.00	118.7
41	-1.59	.00033	.000004	.00110	.0010	2.00	119.7
42	-.86	.00092	.000004	.00110	.0010	2.00	119.7
43	-.14	.00145	.000003	.00110	.0010	2.00	119.9
44	.58	.00219	.000006	.00110	.0010	2.00	118.7
45	1.33	.00320	.000008	.00110	.0010	2.00	118.7
46	2.10	.00459	.000010	.00110	.0010	2.00	118.6
47	2.82	.00631	.000013	.00110	.0010	2.00	118.6
48	3.61	.00837	.000016	.00110	.0010	2.00	118.6
49	4.41	.01073	.000018	.00110	.0010	2.00	118.7
50	5.14	.01300	.000020	.00110	.0010	2.00	118.7
51	6.00	.01640	.000021	.00110	.0010	2.00	118.7
52	6.84	.02015	.000023	.00110	.0010	2.00	118.7
53	7.67	.02381	.000026	.00110	.0010	2.00	118.7
54	1.36	.00352	.000009	.00110	.0010	2.00	118.7

TEST 401 KUN 129 MACH .950 CONFIG. 16

POINT	4INF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
54	.950	369.83	-.000	-6.00	-.1301	-.01623	-.0210	-.0065	-.0004	-.0019	-.1276	-.02813	-6.94
55	.952	370.34	-.000	-4.47	-.0586	-.0188	-.0135	-.0068	-.0002	-.0019	-.0569	-.02167	-2.63
57	.951	370.05	-.000	-3.75	-.0277	-.01974	-.0122	-.0069	-.0002	-.0010	-.0263	-.01977	-1.33
58	.951	369.90	-.000	-3.00	-.0042	-.02040	-.0069	-.0071	-.0002	-.0016	-.0053	-.01846	.28
59	.952	370.34	-.000	-2.32	-.0315	-.02096	-.0039	-.0072	-.0001	-.0019	-.0323	-.01797	1.00
60	.953	370.77	-.000	-1.54	-.0653	-.02142	-.0009	-.0074	-.0000	-.0022	-.0659	-.01796	3.67
61	.954	369.44	-.000	-.87	-.0924	-.02143	-.0029	-.0073	-.0001	-.0024	-.0927	-.01832	5.76
62	.952	369.90	-.000	-.13	-.1231	-.02153	-.0067	-.0074	-.0003	-.0027	-.1232	-.01955	8.31
63	.951	369.95	-.000	.54	-.1500	-.02134	-.0097	-.0074	-.0003	-.0026	-.1494	-.02104	7.12
64	.951	370.23	-.000	1.32	-.1861	-.02117	-.0135	-.0074	-.0005	-.0030	-.1870	-.02375	7.74
65	.952	370.50	-.000	2.00	-.2170	-.02107	-.0174	-.0075	-.0008	-.0037	-.2161	-.02715	7.66
66	.949	369.40	-.000	2.76	-.2496	-.02097	-.0217	-.0075	-.0008	-.0034	-.2483	-.03127	7.94
67	.951	370.01	-.000	3.52	-.2850	-.02100	-.0257	-.0081	-.0007	-.0030	-.2832	-.03603	7.69
68	.952	370.34	-.000	4.25	-.3188	-.02127	-.0292	-.0085	-.0009	-.0029	-.3164	-.04316	7.33
69	.951	369.50	-.000	5.14	-.3631	-.02105	-.0322	-.0085	-.0011	-.0024	-.3547	-.05259	6.84
70	.951	370.71	-.000	5.94	-.4028	-.02276	-.0354	-.0086	-.0014	-.0036	-.3983	-.06261	6.36
71	.951	369.95	-.000	6.81	-.4469	-.02460	-.0377	-.0083	-.0017	-.0043	-.4449	-.07521	5.96
72	.951	370.12	-.000	7.71	-.4930	-.02571	-.0391	-.0076	-.0017	-.0041	-.4451	-.08992	5.46
73	.950	369.74	-.000	1.36	-.1917	-.02122	-.0143	-.0076	-.0000	-.0030	-.1911	-.02406	7.94

POINT	ALPHA	CLS0	CLC	CDR	CDI	R/FT	TEMP
55	-6.00	-.0163	-.0000	-.0077	-.0010	2.01	118.5
56	-4.47	-.0332	-.0000	-.0177	-.0110	2.01	118.6
57	-3.75	-.0207	-.0000	-.0077	-.0010	2.01	118.7
58	-3.00	-.0042	-.0000	-.0077	-.0010	2.01	118.7
59	-2.32	-.0315	-.0000	-.0077	-.0010	2.01	118.7
60	-1.54	-.0653	-.0000	-.0077	-.0010	2.01	118.7
61	-.87	-.0924	-.0000	-.0077	-.0010	2.01	118.6
62	-.13	-.1231	-.0000	-.0077	-.0010	2.01	118.7
63	.54	-.1500	-.0000	-.0077	-.0010	2.01	118.6
64	1.32	-.1861	-.0000	-.0077	-.0010	2.01	118.7
65	2.00	-.2170	-.0000	-.0077	-.0010	2.01	118.7
66	2.76	-.2496	-.0000	-.0077	-.0010	2.01	118.6
67	3.52	-.2850	-.0000	-.0077	-.0010	2.01	118.6
68	4.25	-.3188	-.0000	-.0077	-.0010	2.01	118.6
69	5.14	-.3631	-.0000	-.0077	-.0010	2.01	118.7
70	5.94	-.4028	-.0000	-.0077	-.0010	2.01	118.6
71	6.81	-.4469	-.0000	-.0077	-.0010	2.01	118.7
72	7.71	-.4930	-.0000	-.0077	-.0010	2.01	118.6
73	1.36	-.1917	-.0000	-.0077	-.0010	2.01	118.7

TEST 401 KUN 130 MACH .950 CONFIG. 16

POINT	4INF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
74	.952	357.64	-.000	-5.89	-.1226	-.01581	-.0211	-.0066	-.0004	-.0019	-.1224	-.02057	-6.94
75	.951	357.72	-.000	-4.37	-.0525	-.01424	-.0133	-.0068	-.0003	-.0019	-.0569	-.02042	-2.63
76	.951	357.62	-.000	-3.75	-.0251	-.01904	-.0105	-.0069	-.0003	-.0015	-.0234	-.01895	-1.33
77	.951	357.54	-.000	-2.96	-.0034	-.01979	-.0077	-.0068	-.0002	-.0014	-.0044	-.01779	.28
78	.952	357.62	-.000	-2.24	-.0329	-.02130	-.0047	-.0068	-.0001	-.0017	-.0336	-.01721	1.00
79	.952	358.65	-.000	-1.00	-.0554	-.02254	-.0025	-.0069	-.0001	-.0019	-.0566	-.01712	3.67
80	.951	357.54	-.000	-.84	-.0892	-.02171	-.0010	-.0068	-.0000	-.0019	-.0845	-.01756	5.76
81	.950	357.42	-.000	-.13	-.1146	-.02171	-.0036	-.0068	-.0001	-.0022	-.1148	-.01856	8.31
82	.950	357.55	-.000	.52	-.1427	-.02049	-.0073	-.0068	-.0003	-.0025	-.1425	-.01999	7.12
83	.951	357.66	-.000	1.22	-.1726	-.02114	-.0091	-.0067	-.0003	-.0024	-.1722	-.02276	7.74
84	.950	357.35	-.000	1.93	-.2069	-.01997	-.0112	-.0069	-.0005	-.0027	-.2057	-.02530	7.66
85	.950	357.37	-.000	2.67	-.2375	-.01994	-.0157	-.0069	-.0006	-.0029	-.2363	-.02919	7.94
86	.951	357.60	-.000	3.43	-.2723	-.01991	-.0193	-.0069	-.0006	-.0024	-.2716	-.03407	7.69
87	.950	357.48	-.000	4.29	-.3137	-.01982	-.0228	-.0070	-.0007	-.0023	-.3113	-.04145	7.33
88	.950	357.42	-.000	5.04	-.3486	-.02038	-.0251	-.0071	-.0008	-.0023	-.3455	-.04914	7.03
89	.950	357.18	-.000	5.83	-.3878	-.02109	-.0274	-.0071	-.0011	-.0030	-.3846	-.05841	6.61
90	.950	356.94	-.000	6.69	-.4272	-.02223	-.0296	-.0071	-.0013	-.0036	-.4217	-.06998	6.03
91	.950	356.94	-.000	7.57	-.4756	-.02396	-.0321	-.0072	-.0014	-.0044	-.4449	-.08463	5.46
92	.951	357.72	-.000	1.36	-.1936	-.02026	-.0140	-.0068	-.0000	-.0030	-.1911	-.02406	7.94

POINT	ALPHA	CLS0	CLC	CDR	CDI	R/FT	TEMP
74	-5.89	-.0145	-.0000	-.0077	-.0010	2.01	117.6
75	-4.37	-.0306	-.0000	-.0077	-.0010	2.01	117.9
76	-3.70	-.0206	-.0000	-.0077	-.0010	2.01	118.1
77	-2.96	-.0000	-.0000	-.0077	-.0010	2.01	119.2
78	-2.24	-.0311	-.0000	-.0077	-.0010	2.01	118.5
79	-1.00	-.0532	-.0000	-.0077	-.0010	2.01	118.6
80	-.84	-.0830	-.0000	-.0077	-.0010	2.01	119.6
81	-.13	-.1131	-.0000	-.0077	-.0010	2.01	118.6
82	.52	-.1433	-.0000	-.0077	-.0010	2.01	118.6
83	1.22	-.1734	-.0000	-.0077	-.0010	2.01	119.6
84	1.98	-.2035	-.0000	-.0077	-.0010	2.01	119.5
85	2.67	-.2336	-.0000	-.0077	-.0010	2.01	118.5
86	3.43	-.2637	-.0000	-.0077	-.0010	2.01	118.5
87	4.29	-.2938	-.0000	-.0077	-.0010	2.01	118.5
88	5.04	-.3239	-.0000	-.0077	-.0010	2.01	118.5
89	5.83	-.3540	-.0000	-.0077	-.0010	2.01	118.5
90	6.69	-.3841	-.0000	-.0077	-.0010	2.01	118.5
91	7.57	-.4142	-.0000	-.0077	-.0010	2.01	118.5
92	1.36	-.1935	-.0000	-.0077	-.0010	2.01	118.5

		TEST 404	RUN 131		MACH .600		CONFIG. 10						
POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CMXL	CYAN	CSIDE	CL	CO	L/D
94	.599	262.78	-.004	-5.84	-.1047	.01533	.0163	.0058	.0002	.0020	-.1026	.02171	-4.33
95	.599	261.96	-.004	-6.37	-.0526	.01733	.0121	.0050	.0001	.0019	-.0911	.01948	-2.62
96	.599	262.70	-.004	-3.67	-.0259	.01465	.0099	.0040	.0001	.0017	-.0247	.01747	-1.38
97	.599	263.03	-.004	-3.13	-.0080	.01444	.0085	.0059	.0002	.0015	-.0077	.01700	-1.41
98	.599	263.11	-.004	-2.47	.0210	.01909	.0067	.0059	.0001	.0015	.0204	.01641	1.27
99	.599	263.28	-.004	-1.83	.0416	.01930	.0051	.0059	.0001	.0015	.0422	.01510	2.61
100	.599	262.70	-.004	-1.17	.0661	.01949	.0034	.0059	.0000	.0014	.0665	.01331	4.08
101	.599	263.05	-.004	-.55	.0911	.01969	.0016	.0058	-.0001	.0019	.0913	.01122	5.36
102	.599	263.33	-.004	.15	.1104	.01957	.0002	.0058	-.0001	.0019	.1108	.01740	6.29
103	.599	263.21	-.004	.72	.1356	.01924	-.0015	.0058	-.0001	.0018	.1353	.01919	7.05
104	.599	263.29	-.004	1.36	.1632	.01911	-.0030	.0056	-.0002	.0019	.1597	.02495	7.62
105	.599	262.97	-.004	1.99	.1932	.01879	-.0042	.0056	-.0003	.0019	.1825	.02123	7.82
106	.599	262.94	-.004	2.67	.2114	.01854	-.0059	.0056	-.0004	.0021	.2103	.02657	7.91
107	.599	263.21	-.004	3.33	.2370	.01831	-.0072	.0059	-.0003	.0017	.2356	.02114	7.81
108	.599	263.29	-.004	3.95	.2605	.01812	-.0089	.0064	-.0004	.0015	.2646	.01369	7.63
109	.599	263.40	-.004	4.63	.2972	.01805	-.0112	.0069	-.0005	.0012	.2947	.00645	7.29
110	.599	263.44	-.004	5.34	.3271	.01811	-.0122	.0071	-.0007	.0012	.3247	.00074	6.92
111	.599	262.97	-.004	6.16	.3591	.01850	-.0133	.0071	-.0008	.0010	.3551	.00024	6.52
112	.599	262.94	-.004	6.81	.3952	.01935	-.0136	.0071	-.0008	.0020	.3971	.00024	6.07
113	.599	263.15	-.004	7.55	.4331	.02036	-.0146	.0067	-.0007	.0016	.4267	.00020	5.67
114	.599	262.96	-.004	8.25	.4718	.02125	-.0159	.0064	-.0008	.0020	.4634	.00010	5.32
115	.599	263.3	-.004	8.94	.5047	.02196	-.0168	.0067	-.0010	.0015	.4952	.00005	5.03
116	.599	263.40	-.004	9.76	.5429	.01940	-.0018	.0058	-.0002	.0019	.4626	.00000	4.73

POINT	ALPHA	CLSD	CL	CON	COI	R/FT	TEMP
94	-5.84	.01533	.00003	.00003	.0010	2.01	116.1
95	-6.37	.01733	.00000	.00000	.0010	2.01	116.2
96	-3.67	.01465	.00000	.00000	.0010	2.00	118.5
97	-3.13	.01444	.00000	.00000	.0010	2.00	118.5
98	-2.47	.01909	.00007	.00000	.0010	2.00	118.5
99	-1.83	.01930	.00000	.00000	.0010	2.00	118.5
100	-1.17	.01949	.00000	.00000	.0010	2.00	118.5
101	-.55	.01969	.00000	.00000	.0010	2.00	118.5
102	.15	.01957	.00000	.00000	.0010	2.00	118.5
103	.72	.01924	.00000	.00000	.0010	2.00	118.5
104	1.36	.01911	.00000	.00000	.0010	2.00	118.5
105	1.99	.01879	.00000	.00000	.0010	2.00	118.5
106	2.67	.01854	.00000	.00000	.0010	2.00	118.5
107	3.33	.01831	.00000	.00000	.0010	2.00	118.5
108	3.95	.01812	.00000	.00000	.0010	2.00	118.5
109	4.63	.01805	.00000	.00000	.0010	2.00	118.5
110	5.34	.01811	.00000	.00000	.0010	2.00	118.5
111	6.16	.01850	.00000	.00000	.0010	2.00	118.5
112	6.81	.01935	.00000	.00000	.0010	2.00	118.5
113	7.55	.02036	.00000	.00000	.0010	2.00	118.5
114	8.25	.02125	.00000	.00000	.0010	2.00	118.5
115	8.94	.02196	.00000	.00000	.0010	2.00	118.6
116	9.76	.01940	.00000	.00000	.0010	2.00	118.6

		TEST 404	RUN 132		MACH .950		CONFIG. 17						
POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CMXL	CYAN	CSIDE	CL	CO	L/D
19	.944	368.20	-.000	-5.89	-.1142	.01255	.01174	.0056	.0000	.0003	-.1123	.02344	-4.00
20	.950	368.14	-.000	-6.38	-.0640	.01464	.0112	.0000	.0001	.0001	-.0647	.01557	-2.89
21	.951	368.25	-.000	-3.70	-.0172	.01545	.0068	.0010	.0001	.0002	-.0162	.01883	-1.60
22	.950	368.84	-.000	-2.84	.0173	.01621	.0028	.0009	.0001	.0002	.0191	.01362	1.33
23	.949	368.81	-.000	-2.24	.0456	.01694	-.0074	.0009	.0001	.0002	.0443	.01344	3.47
24	.950	369.08	-.000	-1.55	.0740	.01726	-.0037	.0009	.0001	.0002	.0744	.01355	4.49
25	.949	368.71	-.000	-.72	.1029	.01747	-.0040	.0009	.0004	.0003	.1032	.01440	7.58
26	.949	368.75	-.000	-.27	.1280	.01739	-.0102	.0008	.0001	.0001	.1280	.01527	8.43
27	.950	368.44	-.000	.50	.1642	.01703	-.0118	.0007	.0001	.0004	.1607	.01587	8.49
28	.948	368.41	-.000	1.31	.1946	.01646	-.0167	.0007	.0002	.0002	.1943	.01421	11.12
29	.948	368.17	-.000	2.12	.2270	.01571	-.0219	.0007	.0001	.0001	.2193	.01174	13.89
30	.947	367.74	-.000	2.74	.2556	.01522	-.0239	.0007	.0003	.0000	.2566	.00546	16.43
31	.946	367.50	-.000	3.42	.2856	.01490	-.0277	.0007	.0002	.0003	.2742	.00023	18.41
32	.946	367.63	-.000	4.27	.3244	.01493	-.0330	.0013	.0001	.0002	.3263	.00000	19.67
33	.947	367.90	-.000	5.14	.3744	.01591	-.0381	.0015	.0001	.0003	.3749	.00000	17.77
34	.944	368.74	-.001	5.97	.4189	.01662	-.0410	.0016	.0002	.0002	.4148	.00000	17.11
35	.940	365.40	-.001	6.90	.4671	.01800	-.0425	.0017	.0001	.0003	.4616	.00000	14.39
36	.952	370.30	-.002	7.95	.5226	.02059	-.0452	.0020	.0000	.0000	.5147	.00000	10.65
37	.949	368.42	-.001	1.42	.2057	.01623	-.0181	.0007	.0001	.0000	.2052	.01104	11.49

POINT	ALPHA	CLSD	CL	CON	COI	R/FT	TEMP
19	-5.89	.01255	.00003	.00003	.0010	2.00	119.9
20	-6.38	.01464	.00000	.00000	.0010	2.00	118.9
21	-3.70	.01545	.00000	.00000	.0010	2.00	118.9
22	-2.84	.01621	.00000	.00000	.0010	2.00	119.0
23	-2.24	.01694	.00000	.00000	.0010	2.00	119.0
24	-1.55	.01726	.00000	.00000	.0010	2.00	119.0
25	-.72	.01747	.00000	.00000	.0010	2.00	119.0
26	-.27	.01739	.00000	.00000	.0010	2.00	119.0
27	.50	.01703	.00000	.00000	.0010	2.00	118.9
28	1.31	.01646	.00000	.00000	.0010	2.00	118.7
29	2.12	.01571	.00000	.00000	.0010	2.00	118.7
30	2.74	.01522	.00000	.00000	.0010	2.00	118.7
31	3.42	.01493	.00000	.00000	.0010	2.00	118.9
32	4.27	.01493	.00000	.00000	.0010	2.00	118.9
33	5.14	.01591	.00000	.00000	.0010	2.00	118.7
34	5.97	.01662	.00000	.00000	.0010	2.00	118.6
35	6.90	.01800	.00000	.00000	.0010	2.00	118.7
36	7.95	.02059	.00000	.00000	.0010	2.01	118.6
37	1.42	.01623	.00000	.00000	.0010	2.00	118.7

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 404 RUN 133 MACH 1.200 CONFIG. 17

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSIDE	CL	CU	L/D
38	1.201	417.50	-.000	-5.80	-.1141	.01463	.0228	.0006	.0002	-.0001	-.1120	.0231	-4.85
39	1.202	417.62	-.000	-4.35	-.0505	.01693	.0141	.0006	.0002	-.0003	-.0491	.01763	-2.79
40	1.202	417.17	-.000	-3.06	-.0210	.01792	.0100	.0007	.0002	-.0004	-.0198	.01612	-1.23
41	1.202	417.30	.000	-2.94	.0066	.01855	.0063	.0007	.0002	-.0006	.0074	.01599	.50
42	1.202	417.22	.000	-2.21	.0397	.01933	.0019	.0007	.0002	-.0006	.0404	.01459	2.75
43	1.202	417.22	.000	-1.44	.0710	.01989	-.0028	.0008	.0002	-.0007	.0714	.01530	4.76
44	1.201	417.09	.000	-.77	.0945	.02004	-.0062	.0008	.0001	-.0005	.0948	.01566	6.65
45	1.200	416.96	.000	-.06	.1268	.02013	-.0109	.0008	.0001	-.0005	.1269	.01608	7.51
46	1.200	417.02	.000	.62	.1556	.01994	-.0151	.0007	.0001	-.0004	.1554	.01652	8.39
47	1.200	417.90	-.000	1.41	.1890	.01962	-.0197	.0007	.0002	-.0004	.1845	.02117	9.90
48	1.200	417.10	-.000	2.20	.2222	.01925	-.0245	.0007	.0001	-.0002	.2213	.02467	11.97
49	1.201	417.19	.000	2.92	.2550	.01920	-.0297	.0008	.0000	-.0002	.2537	.02934	14.74
50	1.200	416.95	.000	3.73	.2938	.01951	-.0355	.0009	-.0002	-.0003	.2919	.03547	17.23
51	1.201	417.06	.000	4.51	.3320	.02011	-.0404	.0010	-.0002	-.0001	.3294	.04325	19.65
52	1.199	416.99	.000	5.36	.3740	.02097	-.0450	.0011	-.0003	.0004	.3704	.05269	22.03
53	1.198	416.62	.001	6.31	.4211	.02240	-.0490	.0011	-.0004	.0002	.4161	.06544	24.36
54	1.199	416.67	.001	7.13	.4586	.02374	-.0514	.0012	-.0005	-.0003	.4521	.07139	26.84
55	1.201	417.06	-.000	1.46	.1945	.01950	-.0204	.0007	.0002	-.0003	.1930	.02134	9.04

POINT	ALPHA	CLSQ	LUL	CDB	COI	R/FT	TEMP
38	-5.80	.0125	.00110	.00210	.0010	2.01	118.7
39	-4.35	.0024	.00110	.00210	.0010	2.01	118.9
40	-3.06	.0004	.00110	.00110	.0010	2.01	118.9
41	-2.94	.0001	.00110	.00210	.0010	2.01	118.6
42	-2.21	.0016	.00110	.00210	.0010	2.01	118.6
43	-1.44	.0051	.00110	.00210	.0010	2.01	118.6
44	-.77	.0090	.00110	.00210	.0010	2.01	118.6
45	-.06	.0161	.00110	.00210	.0010	2.01	118.7
46	.62	.0241	.00110	.00210	.0010	2.01	118.7
47	1.41	.0355	.00110	.00210	.0010	2.01	118.6
48	2.20	.0490	.00110	.00210	.0010	2.01	118.5
49	2.92	.0644	.00110	.00210	.0010	2.01	118.7
50	3.73	.0852	.00110	.00210	.0010	2.01	118.7
51	4.51	.1105	.00110	.00210	.0010	2.01	118.7
52	5.36	.1372	.00110	.00210	.0010	2.01	118.7
53	6.31	.1731	.00110	.00210	.0010	2.01	118.7
54	7.13	.2044	.00110	.00210	.0010	2.01	118.7
55	1.46	.0376	.00110	.00210	.0010	2.01	118.7

TEST 404 RUN 134 MACH 1.000 CONFIG. 17

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSIDE	CL	CU	L/D
56	1.000	380.64	-.000	-5.93	-.1134	.01459	.0175	.0000	.0001	-.0001	-.1112	.02413	-4.61
57	1.000	390.43	-.000	-4.36	-.07449	.01608	.0099	.0007	.0001	-.0001	-.0435	.01735	-2.43
58	1.001	381.25	.000	-3.77	-.0216	.01723	.0072	.0009	.0001	-.0002	-.0204	.01651	-1.24
59	1.002	391.50	.000	-2.91	.0179	.01812	.0027	.0008	.0001	-.0003	.0147	.01505	1.24
60	1.003	391.75	.000	-2.20	.0460	.01969	-.0007	.0010	.0001	-.0004	.0447	.01441	3.15
61	1.003	391.80	.000	-1.50	.0760	.01914	-.0045	.0010	.0001	-.0004	.0764	.01534	5.14
62	1.002	381.59	.000	-.75	.1077	.01923	-.0084	.0009	.0001	-.0003	.1074	.01572	6.97
63	1.001	391.19	.000	-.15	.1277	.01906	-.0108	.0009	.0001	-.0003	.1277	.01601	7.69
64	1.000	390.99	-.000	.57	.1604	.01877	-.0146	.0009	.0001	-.0003	.1602	.01626	8.78
65	1.000	380.99	.000	1.32	.1916	.01825	-.0183	.0008	.0001	-.0003	.1911	.01648	9.31
66	1.000	380.94	-.000	2.03	.2210	.01772	-.0217	.0009	.0001	-.0003	.2210	.01668	9.41
67	1.000	380.94	-.000	2.87	.2604	.01736	-.0269	.0009	.0001	-.0003	.2602	.01689	9.16
68	1.000	390.69	.000	3.57	.2965	.01730	-.0318	.0009	.0002	-.0004	.2964	.01704	8.74
69	1.000	380.84	.000	4.36	.3355	.01765	-.0366	.0012	-.0003	.0002	.3332	.01710	8.17
70	1.000	390.75	.000	5.21	.3784	.01842	-.0406	.0014	-.0003	.0002	.3752	.01718	7.47
71	1.000	380.75	.001	6.07	.4224	.01951	-.0440	.0015	-.0003	.0002	.4190	.01716	6.67
72	1.000	380.15	.001	6.93	.4658	.02071	-.0461	.0015	-.0003	.0002	.4639	.01704	5.74
73	1.000	380.25	.001	7.76	.5090	.02233	-.0480	.0016	-.0003	.0002	.5013	.01700	4.78
74	1.001	381.09	-.000	1.41	.2014	.01830	-.0193	.0009	.0001	-.0003	.2004	.01716	9.04

POINT	ALPHA	CLSQ	LUL	CDB	COI	R/FT	TEMP
56	-5.93	.0124	.00003	.00110	.0010	2.01	118.5
57	-4.36	.0019	.00004	.00110	.0010	2.01	118.5
58	-3.77	.0004	.00005	.00110	.0010	2.01	118.6
59	-2.91	.0004	.00005	.00110	.0010	2.01	118.6
60	-2.20	.0022	.00005	.00110	.0010	2.01	118.6
61	-1.50	.0058	.00005	.00110	.0010	2.01	118.5
62	-.75	.0117	.00005	.00110	.0010	2.01	118.5
63	-.15	.0163	.00005	.00110	.0010	2.01	118.6
64	.57	.0257	.00005	.00110	.0010	2.01	118.7
65	1.32	.0365	.00005	.00110	.0010	2.01	118.7
66	2.03	.0489	.00005	.00110	.0010	2.01	118.7
67	2.87	.0672	.00005	.00110	.0010	2.01	118.7
68	3.57	.0869	.00005	.00110	.0010	2.01	118.7
69	4.36	.1110	.00005	.00110	.0010	2.01	118.7
70	5.21	.1407	.00005	.00110	.0010	2.01	118.7
71	6.07	.1747	.00005	.00110	.0010	2.01	118.6
72	6.93	.2115	.00005	.00110	.0010	2.01	118.6
73	7.76	.2513	.00005	.00110	.0010	2.01	118.6
74	1.41	.0403	.00005	.00110	.0010	2.01	118.6

TEST 401 RUN 135 MACH .975 CONFIG. 17

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D
75	.974	375.38	.000	-5.95	-.1163	.01304	.0177	.0005	-.0000	.0003	-.1163	.02333	-4.90
76	.975	375.39	.000	-4.50	-.0516	.01508	.0105	.0067	.0000	-.0001	-.0502	.01738	-2.89
77	.975	375.12	.000	-3.68	-.0167	.01597	.0067	.0009	.0001	-.0002	-.0136	.01518	-1.90
78	.975	375.28	.000	-2.92	.0180	.01672	.0024	.0009	.0001	-.0002	.0188	.0160	1.34
79	.975	375.31	.000	-2.27	.0057	.01729	-.0008	.0009	.0001	-.0005	.0183	.01377	3.37
80	.974	375.47	.000	-1.54	.0767	.01766	-.0067	.0009	.0001	-.0004	.0771	.01389	5.55
81	.977	375.74	.000	-.77	.1074	.01901	-.0084	.0009	.0001	-.0004	.1075	.01486	7.23
82	.976	375.66	.000	-.10	.1326	.01784	-.0114	.0009	.0001	-.0002	.1327	.01590	9.35
83	.976	375.66	.000	.59	.1627	.01756	-.0149	.0008	.0002	-.0004	.1625	.01752	9.27
84	.975	375.37	.000	1.35	.1918	.01704	-.0179	.0004	.0001	-.0003	.1914	.01984	7.85
85	.975	375.19	.000	2.04	.2222	.01643	-.0211	.0009	.0001	-.0002	.2215	.02261	6.80
86	.976	375.65	.000	2.75	.2545	.01600	-.0252	.0008	.0002	-.0004	.2535	.02550	6.56
87	.975	375.09	.000	3.58	.2973	.01585	-.0299	.0009	.0002	-.0004	.2958	.02627	6.05
88	.975	375.26	.000	4.37	.3361	.01607	-.0357	.0014	.0002	-.0002	.3339	.02790	6.07
89	.974	375.03	.000	5.19	.3803	.01692	-.0432	.0016	-.0002	-.0002	.3772	.02954	7.61
90	.975	375.28	.000	6.14	.4204	.01792	-.0534	.0016	-.0002	-.0002	.4162	.03138	6.89
91	.975	375.14	.001	6.94	.4681	.01957	-.0649	.0016	-.0002	-.0004	.4623	.03425	6.23
92	.973	375.53	.002	7.13	.5295	.02195	-.0745	.0021	-.0007	-.0009	.5211	.03693	5.49
93	.975	375.61	.000	7.72	.1165	.01814	-.0995	.0009	.0001	-.0004	.1169	.03947	7.80
94	.975	375.66	.000	1.38	.1972	.01695	-.0184	.0006	.0001	-.0003	.1967	.01948	9.85

POINT	ALPHA	CLSO	LUC	CUB	COI	R/FT	TEMP
75	-5.95	.0131	.00000	.00070	.0010	2.01	118.5
76	-4.50	.0025	.00003	.00070	.0010	2.01	118.5
77	-3.68	.0002	.00000	.00070	.0010	2.01	118.5
78	-2.92	.0000	.00000	.00070	.0010	2.01	118.5
79	-2.27	.0001	.00000	.00070	.0010	2.01	118.6
80	-1.54	.0000	.00000	.00070	.0010	2.01	118.6
81	-.77	.0000	.00000	.00070	.0010	2.01	118.6
82	-.10	.0000	.00000	.00070	.0010	2.01	118.5
83	.59	.0000	.00000	.00070	.0010	2.01	118.5
84	1.35	.0000	.00000	.00070	.0010	2.01	118.6
85	2.04	.0000	.00000	.00070	.0010	2.01	118.6
86	2.75	.0000	.00000	.00070	.0010	2.01	118.7
87	3.58	.0000	.00000	.00070	.0010	2.00	118.7
88	4.37	.0000	.00000	.00070	.0010	2.01	118.7
89	5.19	.0000	.00000	.00070	.0010	2.01	118.6
90	6.14	.0000	.00000	.00070	.0010	2.01	118.5
91	6.94	.0000	.00000	.00070	.0010	2.01	118.5
92	7.13	.0000	.00000	.00070	.0010	2.01	118.5
93	7.72	.0000	.00000	.00070	.0010	2.01	118.6
94	1.38	.0000	.00000	.00070	.0010	2.01	118.6

TEST 401 RUN 136 MACH .900 CONFIG. 17

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CO	L/D
95	.899	356.77	.000	-5.92	-.1143	.01234	.0167	.0007	.0000	.0003	-.1124	.02227	-5.15
96	.904	357.11	.000	-4.39	-.0643	.01470	.0097	.0008	.0001	-.0001	-.0631	.01824	-2.65
97	.900	357.62	.000	-3.66	-.0137	.01532	.0065	.0005	.0001	-.0002	-.0127	.01436	-1.94
98	.901	357.91	.000	-2.90	.0192	.01813	.0033	.0008	.0001	-.0003	.0177	.01344	1.50
99	.902	357.67	.000	-2.23	.0057	.01667	.0006	.0008	.0001	-.0005	.0163	.01317	3.54
100	.902	358.02	.000	-1.54	.0713	.01695	-.0020	.0008	.0001	-.0004	.0717	.01324	6.42
101	.900	357.54	.000	-.85	.0999	.01705	-.0048	.0008	.0001	-.0003	.1011	.01377	7.67
102	.902	358.03	.000	-.21	.1239	.01699	-.0073	.0007	.0001	-.0004	.1240	.01473	6.42
103	.901	357.97	.000	.60	.1575	.01657	-.0103	.0006	.0001	-.0004	.1573	.01641	6.59
104	.900	357.41	.000	1.30	.1841	.01586	-.0125	.0007	.0001	-.0004	.1847	.01823	10.00
105	.904	357.73	.000	1.98	.2119	.01513	-.0147	.0007	.0001	-.0002	.2112	.02065	10.23
106	.902	357.43	.000	2.68	.2416	.01441	-.0175	.0007	.0002	-.0003	.2407	.02345	10.07
107	.899	356.94	.000	3.48	.2787	.01390	-.0214	.0008	.0003	-.0003	.2774	.02638	9.57
108	.897	355.99	.000	4.24	.3162	.01365	-.0255	.0011	.0002	-.0004	.3145	.02919	8.49
109	.901	357.99	.000	5.15	.3654	.01451	-.0305	.0015	-.0000	-.0002	.3624	.03466	7.94
110	.901	357.97	.000	5.90	.4031	.01507	-.0329	.0013	-.0001	-.0001	.3994	.03641	7.31
111	.898	356.70	.001	6.77	.4490	.01621	-.0352	.0016	-.0001	-.0000	.4439	.03722	6.67
112	.901	357.71	.001	7.70	.5003	.01798	-.0390	.0020	-.0002	-.0001	.4934	.03824	6.64
113	.897	356.11	.000	8.50	.5423	.01981	-.0475	.0027	-.0002	-.0001	.5336	.03936	6.44
114	.900	357.62	.000	1.36	.1921	.01583	-.0131	.0006	.0002	-.0002	.1917	.01958	10.31

POINT	ALPHA	CLSO	LUC	CUB	COI	R/FT	TEMP
95	-5.92	.0124	.00003	.00080	.0010	2.01	118.5
96	-4.39	.0019	.00003	.00080	.0010	2.01	118.5
97	-3.66	.0002	.00000	.00080	.0010	2.01	118.5
98	-2.90	.0000	.00000	.00080	.0010	2.01	118.5
99	-2.23	.0001	.00000	.00080	.0010	2.01	118.5
100	-1.54	.0000	.00000	.00080	.0010	2.01	118.5
101	-.85	.0000	.00000	.00080	.0010	2.01	118.5
102	-.21	.0000	.00000	.00080	.0010	2.01	118.5
103	.60	.0000	.00000	.00080	.0010	2.01	118.5
104	1.30	.0000	.00000	.00080	.0010	2.01	118.5
105	1.98	.0000	.00000	.00080	.0010	2.01	118.5
106	2.68	.0000	.00000	.00080	.0010	2.01	118.5
107	3.48	.0000	.00000	.00080	.0010	2.01	118.5
108	4.24	.0000	.00000	.00080	.0010	2.00	118.5
109	5.15	.0000	.00000	.00080	.0010	2.01	118.6
110	5.90	.0000	.00000	.00080	.0010	2.01	118.6
111	6.77	.0000	.00000	.00080	.0010	2.01	118.6
112	7.70	.0000	.00000	.00080	.0010	2.01	118.7
113	8.50	.0000	.00000	.00080	.0010	2.00	118.6
114	1.36	.0000	.00000	.00080	.0010	2.01	118.5



TEST 48A		RUN 137		MACH .800		CONFIG. 17							
POINT	4INF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
115	.799	329.06	-.000	-5.76	-.1011	.01282	.0145	.0006	.0001	.0001	-.0993	.02110	-6.71
116	.799	329.20	-.000	-4.36	-.0435	.01457	.0094	.0068	.0001	-.0001	-.0423	.01404	-2.64
117	.799	329.20	-.000	-3.69	-.0156	.01327	.0069	.0067	.0001	-.0003	-.0146	.01445	-1.01
118	.799	328.86	-.000	-2.99	.0128	.01591	.0044	.0068	.0001	-.0003	.017	.01342	1.01
119	.799	329.13	-.000	-2.19	.0456	.01656	.0017	.0068	.0001	-.0005	.015	.01301	3.58
120	.800	329.47	-.000	-1.55	.0707	.01689	-.0006	.0068	.0001	-.0006	.071	.01317	9.49
121	.799	329.13	-.000	-.87	.0953	.01695	-.0026	.0068	.0001	-.0006	.046	.01369	6.98
122	.799	329.04	-.000	-.35	.1121	.01477	-.0040	.0096	.0001	-.0005	.1122	.01429	7.85
123	.799	328.86	-.000	.41	.1440	.0133	-.0064	.0068	.0002	-.0004	.1439	.01556	9.24
124	.799	329.20	-.000	1.14	.1739	.01572	-.0082	.0068	.0001	-.0005	.1739	.01731	9.85
125	.799	329.13	-.000	1.82	.1952	.01494	-.0098	.0068	.0001	-.0006	.1946	.01935	10.06
126	.799	329.30	-.000	2.58	.2238	.01443	-.0117	.0065	.0002	-.0005	.2230	.02227	10.01
127	.798	328.38	-.000	3.26	.2537	.01334	-.0141	.0064	.0003	-.0006	.2525	.02574	9.74
128	.798	329.45	-.000	3.95	.2863	.01291	-.0173	.0068	.0004	-.0008	.2848	.03093	9.24
129	.799	328.85	-.000	4.72	.3249	.01273	-.0204	.0064	.0007	-.0004	.3227	.03762	8.54
130	.799	329.52	-.000	5.49	.3624	.01330	-.0226	.0064	.0001	-.0003	.3594	.04609	7.80
131	.799	329.76	-.000	6.39	.4091	.01403	-.0250	.0064	-.0002	-.0004	.4080	.05762	7.03
132	.798	328.45	-.000	7.15	.4492	.01492	-.0264	.0068	-.0001	-.0006	.4484	.06887	5.44
133	.796	328.35	-.000	7.91	.4870	.01594	-.0271	.0067	-.0002	-.0009	.4871	.08152	5.93
134	.800	329.27	-.000	1.22	.1814	.01565	-.0094	.0066	.0002	-.0003	.1817	.01773	10.21

POINT	ALPHA	CLSQ	CLC	CD8	CDI	R/FT	TEMP
115	-5.76	.0099	.00000	.0000	.0010	2.00	118.6
116	-4.36	.0014	.00007	.0000	.0010	2.00	118.6
117	-3.69	.0032	.00007	.0000	.0010	2.00	118.6
118	-2.99	.0002	.00008	.0000	.0010	2.00	118.6
119	-2.19	.0021	.00007	.0000	.0010	2.00	118.6
120	-1.55	.0031	.00008	.0000	.0010	2.00	118.6
121	-.87	.0091	.00009	.0000	.0010	2.00	118.6
122	-.35	.0120	.00009	.0000	.0010	2.00	118.6
123	.41	.0237	.00009	.0000	.0010	2.00	118.6
124	1.14	.0291	.00009	.0000	.0010	2.00	118.5
125	1.82	.0379	.00009	.0000	.0010	2.00	118.5
126	2.58	.0497	.00009	.0000	.0010	2.00	118.5
127	3.26	.0638	.00009	.0000	.0010	2.00	118.5
128	3.95	.0811	.00009	.0000	.0010	2.00	118.5
129	4.72	.1042	.00009	.0000	.0010	2.00	118.5
130	5.49	.1297	.00009	.0000	.0010	2.00	118.5
131	6.39	.1604	.00009	.0000	.0010	2.00	118.5
132	7.15	.1970	.00009	.0000	.0010	2.00	118.5
133	7.91	.2505	.00009	.0000	.0010	2.00	118.5
134	1.22	.0328	.00009	.0000	.0010	2.00	118.7

TEST 48A		RUN 138		MACH .600		CONFIG. 17							
POINT	4INF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
135	.599	263.0	-.000	-5.63	-.0930	.01292	.0127	.0006	.0001	-.0004	-.0913	.02017	-6.57
136	.599	263.03	-.000	-4.20	-.0340	.01477	.0046	.0068	.0001	-.0002	-.0329	.01543	-2.13
137	.599	262.62	-.000	-3.63	-.0136	.01537	.0070	.0068	.0001	-.0004	-.0312	.01454	-1.66
138	.599	263.12	-.000	-3.00	.0110	.01593	.0052	.0068	.0001	-.0004	-.0314	.01443	-1.69
139	.600	263.70	-.000	-2.35	.0350	.01637	.0034	.0065	.0002	-.0006	-.0357	.01314	-2.77
140	.600	263.78	-.000	-1.69	.0596	.01671	.0015	.0068	.0001	-.0006	-.0361	.01314	-4.57
141	.600	263.87	-.000	-1.03	.0831	.01681	.0001	.0068	.0001	-.0005	-.0364	.01364	-3.27
142	.599	263.29	-.000	-.51	.1026	.01672	-.0013	.0068	.0001	-.0006	-.0364	.01314	-7.34
143	.600	263.62	-.000	.09	.1238	.01649	-.0026	.0065	.0001	-.0006	-.0365	.01357	-3.31
144	.600	263.61	-.000	.77	.1475	.01585	-.0040	.0065	.0001	-.0006	-.0365	.01357	-10.15
145	.599	263.13	-.000	1.44	.1740	.01515	-.0053	.0068	.0001	-.0006	-.0365	.01373	-9.74
146	.599	263.37	-.000	2.09	.1959	.01418	-.0064	.0064	.0001	-.0006	-.0365	.01351	-10.01
147	.600	263.70	-.000	2.67	.2177	.01337	-.0076	.0065	.0001	-.0006	-.0365	.01317	-8.44
148	.599	263.12	-.000	3.34	.2429	.01260	-.0092	.0065	.0003	-.0007	-.0364	.01291	-7.77
149	.600	263.46	-.000	3.97	.2687	.01185	-.0117	.0065	.0004	-.0007	-.0364	.01291	-6.34
150	.600	263.70	-.000	5.39	.3329	.01092	-.0158	.0061	.0004	-.0007	-.0364	.01322	-7.13
151	.598	262.56	-.000	4.88	.3032	.01119	-.0138	.0061	.0004	-.0007	-.0364	.01317	-6.43
152	.599	263.13	-.000	6.10	.3705	.01152	-.0174	.0062	.0002	-.0005	-.0362	.01305	-5.43
153	.599	263.04	-.000	6.79	.4026	.01175	-.0181	.0061	.0003	-.0005	-.0364	.01274	-6.43
154	.599	263.21	-.000	7.57	.4418	.01234	-.0218	.0061	-.0002	-.0004	-.0363	.01253	-5.31
155	.599	262.88	-.000	8.26	.4736	.01293	-.0259	.0061	.0003	-.0007	-.0366	.01270	-5.01
156	.599	262.96	-.000	9.13	.5248	.01427	-.0319	.0067	-.0005	-.0014	-.0359	.01259	-4.40
157	.599	263.29	-.000	.81	.1551	.01549	-.0044	.0068	.0001	-.0003	.1549	.01324	-6.51

POINT	ALPHA	CLSQ	CLC	CD8	CDI	R/FT	TEMP
135	-5.63	.0083	.00000	.0000	.0010	2.00	118.2
136	-4.20	.0011	.00000	.0000	.0010	2.00	118.5
137	-3.63	.0002	.00000	.0000	.0010	2.00	118.5
138	-3.00	.0001	.00000	.0000	.0010	2.00	118.6
139	-2.36	.0013	.00009	.0000	.0010	2.00	118.7
140	-1.69	.0036	.00009	.0000	.0010	2.00	118.7
141	-1.03	.0069	.00009	.0000	.0010	2.00	118.7
142	-.51	.0116	.00009	.0000	.0010	2.00	118.7
143	.09	.0153	.00009	.0000	.0010	2.00	118.7
144	.77	.0217	.00009	.0000	.0010	2.00	118.7
145	1.44	.0301	.00009	.0000	.0010	2.00	118.5
146	2.09	.0381	.00009	.0000	.0010	2.00	118.5
147	2.67	.0470	.00009	.0000	.0010	2.01	118.4
148	3.34	.0585	.00009	.0000	.0010	2.00	118.4
149	3.97	.0714	.00009	.0000	.0010	2.00	118.4
150	5.39	.1092	.00009	.0000	.0010	2.01	118.4
151	4.88	.0908	.00009	.0000	.0010	2.00	118.7
152	6.10	.1348	.00009	.0000	.0010	2.00	118.7
153	6.79	.1587	.00009	.0000	.0010	2.00	118.6
154	7.57	.1904	.00009	.0000	.0010	2.00	118.6
155	8.26	.2179	.00009	.0000	.0010	2.00	118.5
156	9.13	.2667	.00009	.0000	.0010	2.00	118.5
157	.81	.0240	.00009	.0000	.0010	2.00	118.5

POINT	TIME	Q	DELTA	ALPHA	CN	CA	CC	CRULL	CVAN	CSIDE	CL	CO	L/D
173	1.197	016.07	-0.01	3.92	-0.1453	0.01206	0.0377	0.0022	0.0011	0.0003	-0.1432	0.02669	-5.80
174	1.197	016.05	-0.01	-0.36	-0.0744	0.01527	0.0276	0.0063	0.0002	0.0001	-0.0730	0.01779	-4.16
175	1.198	017.15	-0.01	-3.66	-0.0439	0.01629	0.0231	0.0003	0.0002	0.0006	-0.0424	0.01595	-2.68
176	1.201	017.34	-0.01	-3.00	-0.0158	0.01698	0.0190	0.0003	0.0002	0.0005	-0.0149	0.01468	-1.61
177	1.201	017.22	-0.01	-2.28	0.0129	0.01755	0.0148	0.0003	0.0003	0.0007	0.0136	0.01392	0.98
178	1.200	016.95	-0.01	-1.44	0.0491	0.01819	0.0094	0.0004	0.0003	0.0005	0.0495	0.01394	3.57
179	1.200	017.03	-0.01	-0.78	0.0775	0.01850	0.0052	0.0004	0.0003	0.0006	0.0778	0.01434	5.42
180	1.200	016.89	-0.01	0.03	0.1129	0.01854	-0.0603	0.0004	0.0003	0.0006	0.1129	0.01548	7.29
181	1.200	016.89	-0.01	0.63	0.1465	0.01843	-0.0038	0.0003	0.0003	0.0007	0.1463	0.01683	8.17
182	1.200	017.05	-0.01	1.39	0.1682	0.01810	-0.0085	0.0003	0.0003	0.0008	0.1677	0.01908	9.00
183	1.199	016.74	-0.01	2.23	0.2030	0.01775	-0.0137	0.0004	0.0003	0.0005	0.2022	0.02254	9.57
184	1.199	016.87	-0.01	2.89	0.2355	0.01771	-0.0188	0.0004	0.0002	0.0005	0.2344	0.02643	9.87
185	1.200	016.85	-0.01	3.50	0.2697	0.01791	-0.0242	0.0004	0.0003	0.0003	0.2681	0.03166	9.47
186	1.199	016.72	-0.01	4.50	0.3161	0.01854	-0.0307	0.0004	0.0001	0.0001	0.3137	0.03722	7.86
187	1.200	016.93	-0.01	5.29	0.3558	0.01854	-0.0354	0.0004	0.0002	0.0003	0.3525	0.04295	7.19
188	1.199	016.79	-0.01	6.19	0.3998	0.02072	-0.0395	0.0004	0.0003	0.0002	0.3952	0.04906	6.52
189	1.200	017.06	-0.01	7.03	0.4411	0.02225	-0.0423	0.0004	0.0003	0.0003	0.4351	0.05596	5.90
190	1.200	016.86	-0.01	7.91	0.4853	0.02407	-0.0445	0.0004	0.0003	0.0004	0.4774	0.06275	5.45
191	1.200	016.73	-0.01	8.44	0.5101	0.01793	-0.0432	0.0003	0.0002	0.0004	0.4796	0.06949	4.21

POINT	ALPHA	CLSO	LOC	COB	COI	RFFT	TEMP
173	-0.02	0.0205	0.0000	0.0210	0.0010	2.00	119.1
174	-0.01	0.0253	0.0000	0.0210	0.0010	2.00	119.7
175	-0.00	0.0310	0.0000	0.0210	0.0010	2.00	119.6
176	-0.01	0.0302	0.0000	0.0210	0.0010	2.00	119.6
177	-0.02	0.0302	0.0000	0.0210	0.0010	2.00	119.5
178	-0.00	0.0325	0.0000	0.0210	0.0010	2.00	119.5
179	-0.01	0.0360	0.0000	0.0210	0.0010	2.00	119.5
180	-0.03	0.0327	0.0000	0.0210	0.0010	2.00	119.5
181	-0.03	0.0308	0.0000	0.0210	0.0010	2.00	119.2
182	-0.03	0.0281	0.0000	0.0210	0.0010	2.00	119.1
183	-0.03	0.0409	0.0000	0.0210	0.0010	2.00	119.1
184	-0.00	0.0549	0.0000	0.0210	0.0010	2.00	119.0
185	-0.03	0.0719	0.0000	0.0210	0.0010	2.00	118.9
186	-0.03	0.0984	0.0000	0.0210	0.0010	2.00	118.9
187	-0.03	0.1242	0.0000	0.0210	0.0010	2.00	118.2
188	-0.03	0.1562	0.0000	0.0210	0.0010	2.00	118.0
189	-0.03	0.1893	0.0000	0.0210	0.0010	2.00	118.1
190	-0.03	0.2279	0.0000	0.0210	0.0010	2.00	118.1
191	-0.03	0.2323	0.0000	0.0210	0.0010	2.00	119.0

POINT	TIME	Q	DELTA	ALPHA	CN	CA	CC	CRULL	CVAN	CSIDE	CL	CO	L/D
192	1.000	380.07	-0.01	-5.87	-0.1556	0.01312	0.0367	0.0004	0.0001	0.0004	-0.1437	0.02547	-5.56
193	1.000	380.28	-0.01	-6.47	-0.0864	0.01470	0.0234	0.0004	0.0001	0.0001	-0.0854	0.01432	-4.62
194	1.000	380.68	-0.01	-3.73	-0.2544	0.01549	0.0259	0.0005	0.0001	0.0002	-0.2535	0.01691	-3.15
195	1.000	380.09	-0.01	-3.04	-0.0244	0.01599	0.0223	0.0005	0.0002	0.0004	-0.2235	0.01518	-1.55
196	1.000	380.73	-0.01	-2.24	0.0112	0.01622	0.0176	0.0006	0.0002	0.0005	0.0114	0.01407	0.46
197	1.000	380.14	-0.01	-1.53	0.0411	0.01695	0.0133	0.0006	0.0002	0.0005	0.0417	0.01374	0.76
198	1.000	380.44	-0.01	-0.85	0.0718	0.01769	0.0091	0.0006	0.0002	0.0005	0.0721	0.01393	0.17
199	1.000	380.65	-0.01	-0.12	0.0746	0.01700	0.0056	0.0006	0.0001	0.0004	0.0746	0.01489	0.71
200	1.000	380.24	-0.01	0.60	0.1310	0.01622	0.0112	0.0006	0.0002	0.0004	0.1304	0.01547	0.25
201	1.000	379.97	-0.01	1.39	0.1657	0.01506	0.0029	0.0006	0.0002	0.0003	0.1652	0.01704	0.19
202	1.000	380.18	-0.01	1.99	0.1887	0.01550	0.0057	0.0005	0.0002	0.0004	0.1880	0.02000	0.41
203	1.000	380.29	-0.01	2.75	0.2141	0.01511	0.0105	0.0005	0.0003	0.0003	0.2133	0.02374	0.61
204	1.000	379.04	-0.01	3.55	0.2652	0.01498	0.0165	0.0005	0.0003	0.0003	0.2637	0.02926	0.81
205	1.000	379.90	-0.01	4.22	0.3081	0.01523	0.0223	0.0005	0.0003	0.0003	0.3051	0.03525	0.63
206	1.000	379.60	-0.01	5.15	0.3493	0.01589	0.0272	0.0005	0.0001	0.0001	0.3465	0.04295	0.63
207	1.000	380.35	-0.01	6.11	0.4008	0.01742	0.0321	0.0005	0.0002	0.0001	0.3967	0.05046	0.83
208	1.000	379.77	-0.01	6.87	0.4412	0.01848	0.0364	0.0005	0.0003	0.0001	0.4358	0.05816	0.81
209	1.000	380.11	-0.01	7.77	0.4872	0.02023	0.0417	0.0005	0.0003	0.0002	0.4807	0.06646	0.73
210	1.000	379.49	-0.01	8.55	0.5297	0.02219	0.0468	0.0005	0.0003	0.0003	0.5275	0.07497	0.74
211	1.000	380.43	-0.01	1.36	0.1688	0.01622	0.0133	0.0007	0.0002	0.0004	0.1644	0.01411	0.37

POINT	ALPHA	CLSO	LOC	COB	COI	RFFT	TEMP
192	-5.87	0.2227	0.0000	0.0110	0.0010	2.00	118.7
193	-6.47	0.0173	0.0000	0.0110	0.0010	2.00	118.6
194	-3.73	0.0124	0.0000	0.0110	0.0010	2.00	118.6
195	-3.04	0.0006	0.0000	0.0110	0.0010	2.00	118.6
196	-2.24	0.0001	0.0000	0.0110	0.0010	2.00	118.6
197	-1.53	0.0017	0.0000	0.0110	0.0010	2.00	118.5
198	-0.85	0.0052	0.0000	0.0110	0.0010	2.00	118.6
199	-0.12	0.0097	0.0000	0.0110	0.0010	2.00	118.6
200	0.60	0.0171	0.0000	0.0110	0.0010	2.00	118.7
201	1.39	0.0273	0.0000	0.0110	0.0010	2.00	118.7
202	1.99	0.0354	0.0000	0.0110	0.0010	2.00	118.7
203	2.75	0.0498	0.0000	0.0110	0.0010	2.00	118.7
204	3.55	0.0696	0.0000	0.0110	0.0010	2.00	118.7
205	4.22	0.0937	0.0000	0.0110	0.0010	2.00	118.7
206	5.15	0.1201	0.0000	0.0110	0.0010	2.00	118.7
207	6.11	0.1574	0.0000	0.0110	0.0010	2.00	118.7
208	6.87	0.1899	0.0000	0.0110	0.0010	2.00	118.7
209	7.77	0.2304	0.0000	0.0110	0.0010	2.00	118.7
210	8.55	0.2716	0.0000	0.0110	0.0010	2.00	118.6
211	1.36	0.0284	0.0000	0.0110	0.0010	2.00	118.6

TEST 001		NUM 103		MACH .975		CONFIG. 10							
POINT	WING	U	BETA	ALPHA	CX	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
212	.975	374.93	-.00	-5.94	-.1504	.01186	.0368	.0013	.0001	.0001	-.1483	.02567	-5.78
213	.975	374.99	-.00	-6.37	-.3011	.01361	.0288	.0004	.0002	-.0003	-.0798	.01805	-4.42
214	.975	374.83	.00	-3.67	-.0495	.01431	.0247	.0005	.0002	-.0006	-.0485	.01574	-3.08
215	.975	375.34	.00	-3.05	-.0223	.01476	.0210	.0006	.0001	-.0004	-.0215	.01422	-1.51
217	.973	374.18	.00	-2.27	.0131	.01535	.0163	.0005	.0002	-.0005	.0137	.01312	1.05
218	.974	374.71	.00	-1.55	.0469	.01549	.0127	.0005	.0002	-.0000	.0413	.01248	3.21
219	.974	374.67	.00	-.72	.0787	.01579	.0076	.0005	.0002	-.0006	.0789	.01316	6.72
220	.974	374.65	.00	-.15	.1012	.01579	.0048	.0005	.0002	-.0006	.1012	.01343	7.32
221	.974	374.52	.00	.56	.1318	.01542	.0009	.0003	.0002	-.0004	.1317	.01310	6.78
222	.973	374.24	-.00	1.29	.1624	.01492	-.0024	.0004	.0002	-.0003	.1623	.01448	9.60
223	.975	374.42	-.00	2.03	.1897	.01434	-.0054	.0005	.0002	-.0003	.1890	.01934	9.74
224	.974	374.69	-.00	2.72	.2229	.01375	-.0093	.0005	.0002	-.0003	.2229	.02259	9.82
225	.975	375.05	-.00	3.57	.2641	.01344	-.0150	.0005	.0004	-.0006	.2627	.02415	9.33
226	.974	374.69	.00	4.27	.3043	.01360	-.0202	.0009	.0002	-.0004	.3024	.02451	8.76
227	.975	375.09	.00	5.21	.3573	.01472	-.0272	.0012	-.0006	-.0003	.3544	.02442	7.80
228	.973	374.11	.00	6.02	.3986	.01563	-.0310	.0012	-.0001	-.0004	.3964	.02503	7.10
229	.974	374.41	.01	6.99	.4501	.01742	-.0334	.0014	-.0002	-.0004	.4447	.02737	6.37
230	.974	374.70	.02	7.84	.4946	.01924	-.0354	.0016	-.0004	-.0003	.4874	.02679	5.75
231	.974	374.68	-.00	1.37	.1716	.01494	-.0034	.0004	.0002	-.0005	.1712	.01724	9.92

POINT	ALPHA	CL50	CX	COB	CO1	R/Y/T	TEMP
212	-5.94	.0220	.0000	.0000	.0010	2.01	118.5
213	-6.37	.0004	.0000	.0000	.0010	2.00	118.5
214	-3.67	.0024	.0000	.0000	.0010	2.00	118.5
215	-3.05	.0005	.0000	.0000	.0010	2.01	118.5
217	-2.27	.0002	.0000	.0000	.0010	2.00	118.7
218	-1.55	.0017	.0000	.0000	.0010	2.00	118.9
219	-.72	.0002	.0000	.0000	.0010	2.00	118.9
220	-.15	.0102	.0000	.0000	.0010	2.00	118.9
221	.56	.0173	.0000	.0000	.0010	2.00	118.6
222	1.29	.0202	.0000	.0000	.0010	2.00	118.6
223	2.03	.0357	.0000	.0000	.0010	2.00	118.6
224	2.72	.0493	.0000	.0000	.0010	2.00	118.5
225	3.57	.0691	.0000	.0000	.0010	2.01	118.5
226	4.27	.0915	.0000	.0000	.0010	2.00	118.5
227	5.21	.1256	.0000	.0000	.0010	2.00	118.7
228	6.02	.1559	.0000	.0000	.0010	2.00	118.6
229	6.99	.1977	.0000	.0000	.0010	2.00	118.7
230	7.84	.2375	.0000	.0000	.0010	2.00	118.6
231	1.37	.0293	.0000	.0000	.0010	2.00	118.6

TEST 001		NUM 104		MACH .950		CONFIG. 10							
POINT	WING	U	BETA	ALPHA	CX	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
232	.950	369.87	-.00	-5.95	-.1539	.01109	.0354	.0002	.0001	.0001	-.1515	.02528	-5.71
233	.951	370.00	.00	-6.43	-.3076	.01293	.0292	.0002	.0002	-.0004	-.0874	.01874	-4.40
234	.951	370.15	.00	-3.80	-.0560	.01373	.0251	.0004	.0002	-.0004	-.0554	.01571	-3.40
235	.951	370.00	.00	-3.01	-.0241	.01436	.0213	.0004	.0001	-.0004	-.0236	.01391	-1.64
236	.952	370.20	.00	-2.24	.0204	.01495	.0174	.0004	.0002	-.0003	.0207	.01244	1.04
237	.951	369.99	.00	-1.64	.0348	.01535	.0138	.0005	.0002	-.0004	.0343	.01265	2.79
238	.950	369.71	.00	-.84	.0694	.01553	.0097	.0005	.0002	-.0006	.0696	.01242	5.43
239	.952	370.33	.00	-.14	.1077	.01552	.0062	.0004	.0004	-.0004	.1077	.01355	7.21
240	.950	369.74	.00	.55	.1267	.01519	.0029	.0004	.0002	-.0006	.1245	.01471	6.64
241	.951	370.16	.00	1.34	.1593	.01459	-.0019	.0004	.0002	-.0006	.1564	.01600	5.57
242	.951	370.15	-.00	2.05	.1918	.01386	-.0046	.0004	.0002	-.0004	.1912	.01653	10.05
243	.951	370.07	-.00	2.79	.2258	.01328	-.0097	.0005	.0003	-.0005	.2249	.02297	9.84
244	.950	369.75	.00	3.44	.2564	.01294	-.0126	.0004	.0003	-.0004	.2541	.02502	9.54
245	.949	369.37	.00	4.30	.3029	.01295	-.0186	.0009	.0002	-.0004	.3011	.02394	8.87
246	.951	370.13	.00	5.12	.3491	.01311	-.0239	.0011	.0001	-.0004	.3465	.02429	8.07
247	.949	369.39	.01	6.01	.3935	.01444	-.0274	.0011	-.0005	-.0005	.3904	.02410	7.21
248	.950	369.91	.01	6.95	.4442	.01627	-.0313	.0014	-.0001	-.0004	.4410	.02445	6.44
249	.950	369.94	.01	7.80	.4913	.01793	-.0333	.0018	-.0001	-.0004	.4841	.02474	5.85
250	.951	370.18	.00	1.36	.1711	.01458	-.0022	.0004	.0002	-.0005	.1704	.01645	10.07

POINT	ALPHA	CL50	CX	COB	CO1	R/Y/T	TEMP
232	-5.95	.0231	.0000	.0000	.0010	2.01	118.5
233	-6.40	.0075	.0000	.0000	.0010	2.01	118.5
234	-3.80	.0030	.0000	.0000	.0010	2.01	118.6
235	-3.01	.0005	.0000	.0000	.0010	2.01	118.7
236	-2.24	.0000	.0000	.0000	.0010	2.01	118.9
237	-1.63	.0012	.0000	.0000	.0010	2.01	118.7
238	-.84	.0048	.0000	.0000	.0010	2.01	118.7
239	-.14	.0095	.0000	.0000	.0010	2.01	118.7
240	.55	.0160	.0000	.0000	.0010	2.01	118.7
241	1.34	.0253	.0000	.0000	.0010	2.01	118.7
242	2.05	.0366	.0000	.0000	.0010	2.01	118.6
243	2.79	.0506	.0000	.0000	.0010	2.01	118.6
244	3.44	.0651	.0000	.0000	.0010	2.01	118.6
245	4.30	.0906	.0000	.0000	.0010	2.01	118.6
246	5.12	.1201	.0000	.0000	.0010	2.01	118.6
247	6.01	.1520	.0000	.0000	.0010	2.01	118.6
248	6.95	.1944	.0000	.0000	.0010	2.01	118.6
249	7.80	.2346	.0000	.0000	.0010	2.01	118.5
250	1.36	.0292	.0000	.0000	.0010	2.01	118.6

TEST 601		NUM 145		MACH .930		CONFIG. 10							
POINT	ANGLE	U	DELTA	ALPHA	CN	CA	CM	CROLL	CVAW	CSTDE	CL	CD	L/D
17	.931	357.43	-.000	-5.78	-.1507	.01044	.0342	.0003	.0002	.0001	-.1489	.02378	-0.26
18	.930	357.01	-.000	-6.36	-.0875	.01235	.0276	.0004	.0002	-.0002	-.0003	.01717	-5.00
19	.899	356.14	-.000	-3.69	-.0582	.01312	.0246	.0004	.0002	-.0004	-.0572	.01504	-1.01
20	.899	356.49	.000	-2.93	-.0287	.01399	.0199	.0004	.0002	-.0005	-.0223	.01332	-1.65
21	.899	356.37	.000	-2.21	.0050	.01457	.0168	.0004	.0001	-.0004	.0003	.01256	.50
22	.930	356.57	-.000	-1.47	.0371	.01505	.0135	.0004	.0002	-.0004	.0375	.01250	3.65
23	.899	356.56	-.000	-.76	.0666	.01523	.0106	.0005	.0002	-.0006	.0664	.01257	5.16
24	.900	356.76	-.000	-.11	.0907	.01516	.0079	.0004	.0002	-.0004	.0907	.01314	6.65
25	.899	356.55	-.000	.54	.1190	.01492	.0050	.0005	.0002	-.0004	.1188	.01422	8.24
26	.899	356.33	-.000	1.30	.1497	.01424	.0023	.0003	.0002	-.0004	.1493	.01556	9.76
27	.900	356.00	-.000	2.07	.1795	.01350	-.0022	.0003	.0002	-.0004	.1794	.01614	11.24
28	.894	355.97	.000	2.79	.2084	.01283	-.0053	.0003	.0002	-.0007	.2076	.01713	12.64
29	.899	356.25	-.000	3.53	.2430	.01229	-.0084	.0003	.0004	-.0009	.2417	.01744	14.04
30	.899	356.29	-.000	4.35	.2831	.01176	-.0117	.0003	.0003	-.0006	.2814	.01756	15.41
31	.900	355.87	.000	5.12	.3244	.01124	-.0147	.0003	.0002	-.0005	.3221	.01766	16.75
32	.899	356.51	.000	5.97	.3703	.01072	-.0187	.0003	.0001	-.0007	.3689	.01743	18.04
33	.899	356.24	.000	6.81	.4167	.01022	-.0219	.0003	-.0004	-.0006	.4121	.01713	19.24
34	.900	356.90	.000	7.61	.4681	.01519	-.0241	.0003	-.0003	-.0005	.4624	.01710	20.34
35	.898	355.93	-.000	1.41	.1593	.01420	.0016	.0003	.0002	-.0005	.1599	.01711	21.76

POINT	ALPHA	CL50	LOC	CDB	CDI	R/FT	TEMP
17	-5.78	.0222	.00030	.00000	.0010	2.00	119.5
18	-6.36	.0175	.00030	.00000	.0010	2.00	119.2
19	-3.69	.0333	.00030	.00000	.0010	2.00	119.1
20	-2.93	.0405	.00032	.00000	.0010	2.00	119.1
21	-2.21	.0507	.00030	.00000	.0010	2.00	119.1
22	-1.47	.0614	.00032	.00000	.0010	2.00	119.1
23	-.76	.0742	.00036	.00000	.0010	2.00	119.1
24	-.11	.0881	.00030	.00000	.0010	2.00	119.0
25	.54	.1041	.00030	.00000	.0010	2.00	119.0
26	1.30	.1223	.00030	.00000	.0010	2.00	119.0
27	2.07	.1432	.00030	.00000	.0010	2.00	118.9
28	2.79	.1631	.00030	.00000	.0010	2.00	118.9
29	3.53	.1840	.00030	.00000	.0010	2.00	118.7
30	4.35	.2072	.00030	.00000	.0010	2.00	118.6
31	5.12	.2337	.00030	.00000	.0010	2.00	118.5
32	5.97	.2646	.00030	.00000	.0010	2.00	118.7
33	6.81	.2999	.00030	.00000	.0010	2.00	118.7
34	7.61	.3394	.00030	.00000	.0010	2.00	118.7
35	1.41	.0252	.00030	.00000	.0010	2.00	119.7

TEST 601		NUM 146		MACH .800		CONFIG. 11							
POINT	ANGLE	U	DELTA	ALPHA	CN	CA	CM	CROLL	CVAW	CSTDE	CL	CD	L/D
36	.799	329.56	-.000	-5.81	-.1467	.01046	.0337	.0002	.0002	.0001	-.1449	.02357	-0.19
37	.801	329.49	-.000	-6.31	-.0811	.01250	.0264	.0003	.0002	-.0003	-.0003	.01536	-0.74
38	.799	329.37	.000	-3.70	-.0597	.01301	.0227	.0004	.0002	-.0004	-.0584	.01524	-0.91
39	.799	329.00	.000	-2.85	-.0205	.01405	.0193	.0003	.0001	-.0004	-.0194	.01326	-1.69
40	.799	329.79	.000	-2.22	.0085	.01469	.0162	.0004	.0002	-.0005	.0091	.01256	.77
41	.799	329.07	.000	-1.53	.0342	.01576	.0138	.0004	.0002	-.0004	.0345	.01247	2.19
42	.800	329.34	.000	-.92	.0575	.01515	.0117	.0004	.0002	-.0007	.0577	.01245	3.64
43	.800	329.01	.000	-.14	.0871	.01511	.0090	.0005	.0002	-.0004	.0871	.01243	5.04
44	.799	329.14	.000	.53	.1113	.01475	.0070	.0005	.0002	-.0006	.1112	.01247	6.46
45	.800	329.27	.000	1.23	.1392	.01427	.0050	.0003	.0002	-.0004	.1399	.01257	7.84
46	.799	329.14	.000	1.93	.1653	.01344	.0030	.0002	.0002	-.0007	.1647	.01271	9.14
47	.800	329.27	.000	2.55	.1882	.01274	.0015	.0002	.0002	-.0004	.1876	.01281	10.31
48	.799	328.97	-.000	3.33	.2228	.01193	-.0013	.0003	.0004	-.0004	.2217	.01284	11.47
49	.800	329.48	.000	3.94	.2494	.01147	-.0036	.0002	.0004	-.0004	.2491	.01277	12.57
50	.799	328.87	.000	4.73	.2896	.01116	-.0070	.0003	.0003	-.0007	.2873	.01272	13.60
51	.799	329.21	.000	5.51	.3278	.01163	-.0099	.0002	.0002	-.0006	.3252	.01276	14.54
52	.799	329.37	.000	6.36	.3729	.01227	-.0127	.0001	.0001	-.0007	.3653	.01271	15.34
53	.798	328.66	.001	7.20	.4169	.01317	-.0169	.0002	-.0003	-.0007	.4121	.01255	16.04
54	.800	329.34	.000	1.25	.1484	.01414	.0043	.0004	.0002	-.0007	.1491	.01257	16.81

POINT	ALPHA	CL50	LOC	CDB	CDI	R/FT	TEMP
36	-5.81	.0210	.00030	.00000	.0010	2.01	117.9
37	-6.31	.0164	.00030	.00000	.0010	2.01	118.0
38	-3.70	.0335	.00030	.00000	.0010	2.01	118.1
39	-2.86	.0404	.00030	.00000	.0010	2.00	118.4
40	-2.22	.0501	.00030	.00000	.0010	2.00	118.6
41	-1.53	.0612	.00030	.00000	.0010	2.00	118.9
42	-.90	.0733	.00030	.00000	.0010	2.00	118.9
43	-.14	.0876	.00030	.00000	.0010	2.01	118.4
44	.53	.1024	.00030	.00000	.0010	2.00	118.4
45	1.23	.1193	.00030	.00000	.0010	2.00	118.4
46	1.93	.1371	.00030	.00000	.0010	2.00	118.5
47	2.55	.1551	.00030	.00000	.0010	2.00	118.5
48	3.33	.1741	.00030	.00000	.0010	2.00	118.6
49	3.94	.1945	.00030	.00000	.0010	2.00	118.7
50	4.73	.2162	.00030	.00000	.0010	2.00	118.7
51	5.51	.2398	.00030	.00000	.0010	2.00	118.7
52	6.36	.2654	.00030	.00000	.0010	2.00	118.7
53	7.20	.2927	.00030	.00000	.0010	2.00	118.6
54	1.25	.0219	.00030	.00000	.0010	2.00	118.5

ORIGINAL PAGE IS OF POOR QUALITY

TEST 401		RUN 107		MACH 1.000		CONFIG. 10							
POINT	WIND	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CD	L/D
55	.599	262.70	-.00	-5.68	-.1361	.01080	.0269	.0001	.0002	-.0304	-.1344	.02242	-6.00
56	.599	262.98	.00	-4.33	-.0086	.01253	.0229	.0002	.0002	-.0304	-.0794	.01677	-6.73
57	.599	262.95	.00	-3.50	-.0075	.01345	.0203	.0003	.0002	-.0305	-.0446	.01459	-3.10
58	.599	262.79	.00	-3.02	-.0250	.01404	.0183	.0002	.0001	-.0095	-.0242	.01353	-1.79
59	.599	262.78	.00	-2.33	.0025	.01443	.0160	.0003	.0001	-.0006	.0031	.01271	.24
60	.599	262.70	.00	-1.65	.0287	.01304	.0141	.0003	.0002	-.0008	.0291	.01240	2.35
61	.598	262.54	.00	-1.11	.0473	.01516	.0126	.0003	.0002	-.0009	.0378	.01245	3.83
62	.599	262.78	.00	-.44	.0715	.01515	.0109	.0002	.0002	-.0008	.0717	.01261	5.59
63	.599	262.70	.00	.14	.0935	.01499	.0094	.0003	.0002	-.0007	.0935	.01342	6.97
64	.599	262.93	.00	.83	.1185	.01450	.0077	.0003	.0002	-.0007	.1183	.01441	8.21
65	.599	262.93	.00	1.42	.1396	.01389	.0064	.0002	.0002	-.0009	.1392	.01554	8.96
66	.599	262.95	-.00	2.18	.1658	.01290	.0048	.0002	.0002	-.0009	.1652	.01741	9.49
67	.599	262.79	.00	2.72	.1870	.01237	.0037	.0002	.0002	-.0009	.1842	.01913	9.73
68	.599	262.62	.00	3.40	.2116	.01130	.0021	.0001	.0004	-.0010	.2105	.02234	9.55
69	.599	262.47	-.00	4.00	.2343	.01061	.0005	.0002	.0004	-.0010	.2337	.02512	9.28
70	.598	262.40	-.00	4.75	.2604	.00986	-.0020	.0005	.0005	-.0010	.2667	.02723	8.82
71	.599	262.62	-.00	5.30	.3011	.00909	-.0043	.0006	.0005	-.0011	.2999	.03157	8.33
72	.598	262.21	.00	6.15	.3378	.00897	-.0063	.0006	.0003	-.0010	.3349	.03443	7.55
73	.599	262.95	.00	6.85	.3714	.00934	-.0075	.0009	.0002	-.0010	.3675	.03727	6.94
74	.598	262.05	.00	7.63	.4127	.01086	-.0097	.0012	.0001	-.0011	.4077	.04077	6.40
75	.598	262.30	.00	8.43	.4539	.01168	-.0116	.0014	-.0002	-.0015	.4473	.04363	5.86
76	.599	262.95	.00	9.15	.4941	.01259	-.0134	.0019	-.0005	-.0018	.4854	.04623	5.44
77	.599	262.30	.00	.94	.1293	.01451	.0071	.0002	.0002	-.0009	.1797	.01431	4.64

POINT	ALPHA	CLSO	CLC	COB	COI	R/FT	TEMP
55	-5.68	.00041	.00000	.00000	.0010	2.00	117.9
56	-4.33	.00033	.00000	.00000	.0010	2.00	118.1
57	-3.50	.00022	.00000	.00000	.0010	2.00	118.4
58	-3.02	.00016	.00000	.00000	.0010	2.00	118.5
59	-2.33	.00010	.00000	.00000	.0010	2.00	118.5
60	-1.65	.00009	.00000	.00000	.0010	2.00	118.5
61	-1.11	.00007	.00000	.00000	.0010	2.00	118.9
62	-.44	.00005	.00000	.00000	.0010	2.00	118.9
63	.14	.00004	.00000	.00000	.0010	2.00	119.7
64	.83	.00003	.00000	.00000	.0010	2.00	119.6
65	1.42	.00002	.00000	.00000	.0010	2.00	119.5
66	2.18	.00001	.00000	.00000	.0010	2.00	119.5
67	2.72	.00001	.00000	.00000	.0010	2.00	118.4
68	3.40	.00001	.00000	.00000	.0010	2.00	118.4
69	4.00	.00001	.00000	.00000	.0010	2.00	118.4
70	4.75	.00001	.00000	.00000	.0010	2.00	118.4
71	5.30	.00001	.00000	.00000	.0010	2.00	118.5
72	6.15	.00001	.00000	.00000	.0010	2.00	118.6
73	6.85	.00001	.00000	.00000	.0010	2.00	118.7
74	7.63	.00001	.00000	.00000	.0010	2.00	118.7
75	8.43	.00001	.00000	.00000	.0010	2.00	118.7
76	9.15	.00001	.00000	.00000	.0010	2.00	118.7
77	.94	.00001	.00000	.00000	.0010	2.00	118.7

TEST 401		RUN 108		MACH 1.200		CONFIG. 10							
POINT	WIND	Q	DELTA	ALPHA	CN	CA	CM	CROLL	CYAW	C SIDE	CL	CD	L/D
80	1.201	416.30	-.00	-5.92	-.1467	.01306	.0341	.0003	.0000	.0004	-.1446	.02502	-4.74
81	1.201	417.09	-.00	-4.34	-.0769	.01565	.0241	.0002	.0001	-.0001	-.0754	.01442	-4.17
82	1.201	417.12	.00	-3.64	-.0456	.01660	.0235	.0003	.0001	-.0001	-.0442	.01515	-2.74
83	1.199	416.38	-.00	-2.89	-.0139	.01721	.0191	.0002	.0001	-.0001	-.0137	.01479	-1.40
84	1.200	416.77	.00	-2.04	.0220	.01801	.0137	.0003	.0002	-.0001	.0220	.01461	1.40
85	1.200	416.91	-.00	-1.44	.0471	.01942	.0106	.0004	.0003	-.0007	.0475	.01413	1.34
86	1.200	416.76	-.00	-.75	.0760	.01966	.0057	.0004	.0002	-.0005	.0762	.01406	1.21
87	1.200	416.53	-.00	.02	.1078	.01876	.0009	.0003	.0002	-.0005	.1074	.01407	1.07
88	1.199	416.39	-.00	.73	.1377	.01966	-.0036	.0003	.0003	-.0005	.1374	.01406	1.04
89	1.200	416.57	-.00	1.47	.1644	.01935	-.0081	.0003	.0002	-.0005	.1679	.01405	1.07
90	1.199	416.55	-.00	2.17	.1975	.01901	-.0124	.0004	.0002	-.0005	.1967	.01405	1.07
91	1.199	416.47	.00	2.86	.2302	.01791	-.0176	.0003	.0002	-.0005	.2291	.01405	1.07
92	1.199	416.40	.00	3.64	.2699	.01815	-.0239	.0005	.0001	-.0005	.2682	.01417	1.04
93	1.200	416.48	.00	4.59	.3175	.01979	-.0305	.0007	-.0002	-.0001	.3157	.01412	1.04
94	1.199	416.41	.00	5.29	.3511	.01949	-.0365	.0006	-.0003	-.0001	.3474	.01405	1.04
95	1.200	416.58	.00	6.25	.3987	.02090	-.0439	.0008	-.0004	-.0001	.3947	.01404	1.04
96	1.200	416.48	.00	7.01	.4359	.02222	-.0514	.0008	-.0005	-.0001	.4294	.01417	1.04
97	1.199	416.56	.00	8.03	.4881	.02346	-.0594	.0009	-.0007	-.0001	.4799	.01417	1.04
98	1.200	416.54	-.00	1.45	.1716	.01815	-.0085	.0003	.0002	-.0005	.1711	.01404	1.04

POINT	ALPHA	CLSO	CLC	COB	COI	R/FT	TEMP
80	-5.92	.00209	.00019	.00210	.0010	2.00	120.1
81	-4.34	.00157	.00019	.00210	.0010	2.00	120.1
82	-3.64	.00120	.00018	.00210	.0010	2.00	119.9
83	-2.89	.00092	.00017	.00210	.0010	2.00	119.8
84	-2.04	.00065	.00017	.00210	.0010	2.00	119.6
85	-1.44	.00043	.00018	.00210	.0010	2.00	119.6
86	-.75	.00030	.00018	.00210	.0010	2.00	119.5
87	.02	.00022	.00018	.00210	.0010	2.00	119.4
88	.73	.00019	.00018	.00210	.0010	2.00	119.4
89	1.47	.00012	.00018	.00210	.0010	2.00	119.4
90	2.17	.00007	.00018	.00210	.0010	2.00	119.1
91	2.86	.00005	.00018	.00210	.0010	2.00	119.1
92	3.64	.00003	.00018	.00210	.0010	2.00	119.1
93	4.59	.00002	.00018	.00210	.0010	2.00	119.0
94	5.29	.00001	.00018	.00210	.0010	2.00	119.0
95	6.25	.00001	.00018	.00210	.0010	2.00	118.9
96	7.01	.00001	.00018	.00210	.0010	2.00	118.9
97	8.03	.00001	.00018	.00210	.0010	2.00	118.9
98	1.45	.00001	.00018	.00210	.0010	2.00	118.9

POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
99	.95J	369.00	-.00	-5.93	-.1501	.01000	.0376	.0002	-.0001	.0005	-.1562	.0294C	-6.15
100	.95J	369.33	-.00	-4.67	-.0910	.01203	.0300	.0001	-.0000	.0003	-.0897	.01017	-6.94
101	.95J	369.52	-.00	-3.79	-.0617	.01356	.0246	.0003	.0001	-.0001	-.0607	.01594	-3.02
102	.95C	369.35	-.00	-2.93	-.0229	.01439	.0215	.0004	.0000	-.0001	-.0222	.01385	-1.60
103	.949	368.78	.00	-2.23	.0092	.01504	.0177	.0005	.0000	-.0002	.0099	.01297	.74
104	.951	369.77	.00	-1.52	.0379	.01544	.0141	.0004	.0001	-.0002	.0393	.01274	3.01
105	.952	370.04	.00	-.89	.0646	.01558	.0107	.0004	.0001	-.0004	.0648	.01287	5.93
106	.950	369.15	-.00	-.24	.1011	.01547	.0065	.0004	.0001	-.0003	.1012	.01370	7.38
107	.951	369.89	-.00	.50	.1264	.01527	.0036	.0004	.0001	-.0003	.1262	.01485	8.54
108	.951	370.05	-.00	1.33	.1604	.01465	-.0003	.0004	.0001	-.0003	.1600	.01607	9.60
109	.956	369.45	-.00	2.32	.1998	.01401	-.0036	.0004	.0001	-.0003	.1992	.01900	9.96
110	.952	369.96	-.00	2.82	.2249	.01368	-.0001	.0005	.0001	-.0003	.2240	.02282	9.84
111	.950	369.50	.00	3.63	.2624	.01290	-.0126	.0004	.0003	-.0006	.2617	.02786	9.37
112	.951	369.85	.00	4.36	.3046	.01318	-.0103	.0004	.0001	-.0003	.3027	.03056	9.75
113	.950	369.34	.01	5.15	.3486	.01388	-.0236	.0004	-.0002	-.0000	.3459	.03336	7.97
114	.950	369.27	.02	5.98	.3919	.01440	-.0273	.0004	-.0002	-.0003	.3882	.03382	7.24
115	.951	369.62	.01	6.93	.4422	.01632	-.0305	.0004	-.0002	-.0007	.4370	.03783	6.44
116	.950	369.51	.01	7.63	.4747	.01739	-.0319	.0004	-.0003	-.0009	.4682	.03756	5.96
117	.951	369.63	-.00	1.38	.1685	.01464	-.0012	.0004	.0001	-.0003	.1684	.01598	4.97

POINT	ALPHA	CLSO	COL	COB	COI	R/FT	TEMP
99	-5.93	.0244	.00000	.00079	.0010	2.01	118.4
100	-4.67	.0400	.00015	.00070	.0010	2.01	118.6
101	-3.79	.0637	.00014	.00073	.0010	2.01	118.7
102	-2.93	.0865	.00015	.00079	.0010	2.01	118.7
103	-2.23	.1001	.00017	.00080	.0010	2.00	118.7
104	-1.52	.1145	.00016	.00079	.0010	2.01	118.7
105	-.89	.1242	.00016	.00079	.0010	2.01	118.7
106	-.24	.1302	.00017	.00073	.0010	2.00	118.6
107	.50	.1359	.00018	.00070	.0010	2.01	118.6
108	1.33	.1420	.00016	.00070	.0010	2.01	118.6
109	2.32	.1459	.00014	.00070	.0010	2.01	118.6
110	2.82	.1492	.00011	.00070	.0010	2.01	118.7
111	3.63	.1501	.00009	.00070	.0010	2.01	118.7
112	4.36	.1496	.00009	.00070	.0010	2.01	118.7
113	5.15	.1496	.00009	.00070	.0010	2.01	118.6
114	5.98	.1507	.00008	.00070	.0010	2.01	118.6
115	6.93	.1500	.00006	.00070	.0010	2.01	118.7
116	7.63	.1492	.00005	.00070	.0010	2.00	118.7
117	1.38	.0263	.00014	.00070	.0010	2.01	118.9

POINT	WING	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAN	CSIDE	CL	CD	L/D
119	.99J	262.70	-.00	-5.78	-.1429	.01266	.0274	.0002	.0001	-.0001	-.1411	.02224	-6.04
120	.99J	262.95	-.00	-4.41	-.0814	.01276	.0235	.0002	.0001	-.0002	-.0806	.01720	-4.64
121	.99J	262.54	-.00	-3.77	-.0554	.01362	.0213	.0002	.0001	-.0003	-.0546	.01523	-3.57
122	.99J	262.02	-.00	-3.03	-.0370	.01411	.0195	.0003	.0000	-.0003	-.0262	.01374	-1.90
123	.99J	262.11	-.00	-2.44	-.0229	.01460	.0177	.0003	.0000	-.0002	-.0202	.01299	-.17
124	.999	262.71	.00	-1.78	.0242	.01513	.0168	.0002	.0001	-.0004	.0247	.01277	1.74
125	.999	262.79	.00	-1.16	.0463	.01529	.0131	.0003	.0002	-.0000	.0468	.01255	3.71
126	.999	262.79	.00	-.56	.0681	.01527	.0115	.0002	.0001	-.0006	.0683	.01241	5.33
127	.999	262.79	.00	.05	.0894	.01513	.0101	.0003	.0001	-.0006	.0894	.01241	6.80
128	.999	262.54	.00	.73	.1142	.01471	.0054	.0002	.0002	-.0005	.1140	.01436	7.94
129	.999	262.70	.00	1.35	.1381	.01413	.0007	.0002	.0001	-.0002	.1377	.01557	8.65
130	.999	262.52	.00	1.99	.1587	.01337	-.0009	.0002	.0001	-.0006	.1582	.01707	9.27
131	.999	262.95	.00	2.62	.1807	.01240	-.0043	.0003	.0001	-.0003	.1809	.01905	9.84
132	.999	262.87	.00	3.27	.2060	.01157	-.0096	.0003	.0002	-.0006	.2054	.02194	9.53
133	.999	262.54	.00	3.90	.2342	.01095	-.0110	.0001	.0000	-.0009	.2329	.02491	9.34
134	.999	262.78	.00	4.59	.2630	.01021	-.0121	.0003	.0000	-.0011	.2614	.02841	8.98
135	.998	262.38	-.00	5.25	.2943	.00976	-.0133	.0006	.0004	-.0009	.2927	.03207	8.38
136	.999	262.87	.00	5.91	.3280	.01004	-.0146	.0009	.0003	-.0007	.3253	.03626	7.73
137	.999	263.03	.00	6.72	.3670	.01050	-.0160	.0010	.0000	-.0006	.3632	.04017	7.04
138	.999	262.82	.01	7.37	.3965	.01072	-.0168	.0008	.0000	-.0006	.3918	.04472	6.56
139	.999	262.62	.01	8.26	.4484	.01181	-.0190	.0008	.0003	-.0011	.4421	.04941	5.95
140	.999	262.79	.02	8.98	.4670	.01262	-.0208	.0008	.0005	-.0014	.4601	.05471	5.52
140	.999	262.95	.00	7.79	.4247	.01474	-.0176	.0002	.0002	-.0006	.4245	.04946	6.49

POINT	ALPHA	CLSO	COL	COB	COI	R/FT	TEMP
118	-3.78	.0199	.00013	.00080	.0010	2.00	118.7
119	-4.41	.0265	.00013	.00080	.0010	2.00	118.9
120	-3.77	.0439	.00013	.00080	.0010	2.00	118.7
121	-3.09	.0607	.00014	.00080	.0010	2.00	118.9
122	-2.44	.0800	.00013	.00080	.0010	2.00	118.7
123	-1.78	.1006	.00013	.00080	.0010	2.00	118.6
124	-1.11	.1222	.00013	.00080	.0010	2.00	118.5
125	-.56	.1447	.00013	.00080	.0010	2.00	118.4
126	.05	.1680	.00013	.00080	.0010	2.00	118.4
127	.73	.1910	.00013	.00080	.0010	2.00	118.4
128	1.35	.2150	.00013	.00080	.0010	2.00	118.4
129	1.99	.2400	.00013	.00080	.0010	2.00	118.4
130	2.62	.2650	.00013	.00080	.0010	2.00	118.5
131	3.27	.2900	.00013	.00080	.0010	2.00	118.6
132	3.90	.3150	.00013	.00080	.0010	2.00	118.7
133	4.59	.3400	.00013	.00080	.0010	2.00	118.9
134	5.25	.3650	.00013	.00080	.0010	2.00	118.9
135	5.93	.3900	.00013	.00080	.0010	2.00	118.9
136	6.72	.4150	.00013	.00080	.0010	2.00	118.9
137	7.37	.4400	.00013	.00080	.0010	2.00	118.7
138	8.26	.4650	.00013	.00080	.0010	2.00	118.6
139	8.98	.4900	.00013	.00080	.0010	2.00	118.5
140	7.79	.4155	.00013	.00080	.0010	2.00	118.4

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 401		RUN 151		MACH 1.200		CONFIG. 19							
POINT	RINF	Q	delta	ALPHA	CM	CA	CM	ROLL	CYAW	CSIDE	CL	CD	L/D
143	0.200	017.65	0.000	-5.00	-0.1626	0.01344	0.0372	0.0612	0.0042	-0.2117	-0.1400	0.02466	-3.65
144	1.202	017.66	0.000	-6.34	-0.0714	0.01501	0.0270	0.0002	0.0000	-0.1116	-0.0700	0.01907	-3.87
145	1.201	017.50	0.000	-3.00	-0.0428	0.01650	0.0220	-0.0002	0.0000	-0.1111	-0.0617	0.01613	-2.50
146	1.202	017.50	0.000	-2.00	-0.0163	0.01763	0.0181	-0.0007	0.0000	-0.1111	-0.0606	0.01445	-1.64
147	1.201	017.40	0.000	-2.14	0.0210	0.01805	0.0134	-0.0012	0.0000	-0.109	0.0225	0.01413	1.59
148	1.201	017.35	0.000	-1.47	0.0482	0.01840	0.0099	-0.0016	0.0000	-0.105	0.0400	0.01413	1.44
149	1.200	017.20	0.000	-0.70	0.0794	0.01960	0.0050	-0.0022	0.0000	-0.109	0.0700	0.01403	1.44
150	1.201	017.02	0.000	0.65	0.1090	0.01970	0.0025	-0.0020	0.0000	-0.109	0.1000	0.01365	0.99
151	1.200	017.00	0.000	0.72	0.1378	0.01855	-0.0017	-0.0033	0.0000	-0.112	0.1375	0.01215	0.00
152	1.200	017.37	0.000	1.44	0.1693	0.01829	-0.0045	-0.0030	0.0000	-0.114	0.1640	0.01261	0.64
153	1.200	017.37	0.000	2.10	0.2007	0.01707	-0.0131	-0.0043	0.0000	-0.112	0.1900	0.01246	0.91
154	1.200	017.34	0.000	2.96	0.2300	0.01780	-0.0190	-0.0040	0.0000	-0.109	0.2300	0.01207	0.74
155	1.200	017.20	0.000	3.71	0.2743	0.01815	-0.0266	-0.0051	0.0000	-0.109	0.2775	0.01275	0.32
156	1.199	017.13	0.000	4.40	0.3120	0.01871	-0.0299	-0.0055	0.0000	-0.109	0.3104	0.01265	0.75
157	1.199	017.04	0.000	5.39	0.3576	0.01972	-0.0351	-0.0060	0.0000	-0.109	0.3542	0.01216	0.66
158	1.199	017.12	0.000	6.27	0.4017	0.02093	-0.0391	-0.0060	0.0000	-0.109	0.397	0.01150	0.65
159	1.199	017.12	0.000	7.12	0.4446	0.02244	-0.0421	-0.0067	0.0000	-0.109	0.4346	0.01100	0.60
160	1.199	017.05	0.000	8.13	0.4930	0.02444	-0.0449	-0.0070	0.0000	-0.109	0.4854	0.01065	0.35
161	1.200	017.20	0.000	1.54	0.1407	0.01819	-0.0100	-0.0041	0.0000	-0.115	0.1402	0.01245	0.03

POINT	ALPHA	CLSD	CLL	CD0	CD1	R/F1	TEMP
143	-5.00	0.0197	0.0000	0.00210	0.0010	2.01	119.5
144	-6.34	0.0049	0.0000	0.00210	0.0010	2.01	119.2
145	-3.00	0.017	0.0000	0.00210	0.0010	2.01	119.2
146	-2.00	0.0071	0.0000	0.00210	0.0010	2.01	119.2
147	-2.14	0.005	0.0000	0.00210	0.0010	2.01	119.1
148	-1.47	0.0024	0.0000	0.00210	0.0010	2.01	119.0
149	-0.70	0.0063	0.0000	0.00210	0.0010	2.01	119.0
150	0.65	0.0120	0.0000	0.00210	0.0010	2.01	119.0
151	0.72	0.0189	0.0000	0.00210	0.0010	2.01	119.0
152	1.44	0.0295	0.0000	0.00210	0.0010	2.01	119.1
153	2.10	0.0400	0.0000	0.00210	0.0010	2.01	119.0
154	2.96	0.0500	0.0000	0.00210	0.0010	2.01	119.0
155	3.71	0.0743	0.0000	0.00210	0.0010	2.01	118.9
156	4.40	0.0904	0.0000	0.00210	0.0010	2.01	118.9
157	5.39	0.1254	0.0000	0.00210	0.0010	2.01	118.9
158	6.27	0.1575	0.0000	0.00210	0.0010	2.01	118.9
159	7.12	0.1922	0.0000	0.00210	0.0010	2.01	118.9
160	8.13	0.2350	0.0000	0.00210	0.0010	2.01	118.9
161	1.54	0.0325	0.0000	0.00210	0.0010	2.01	119.0

TEST 401		RUN 152		MACH .950		CONFIG. 19							
POINT	RINF	Q	delta	ALPHA	CM	CA	CM	ROLL	CYAW	CSIDE	CL	CD	L/D
162	0.946	300.01	0.000	-5.96	-0.1577	0.01006	0.0370	0.0013	0.0000	-0.121	-0.1557	0.02550	-3.00
163	0.949	300.33	0.000	-6.41	-0.0905	0.01111	0.0290	0.0006	0.0000	-0.116	-0.0950	0.01901	-4.73
164	0.952	370.20	0.000	-3.00	-0.0600	0.01377	0.0250	0.0002	0.0000	-0.112	-0.0700	0.01607	-1.60
165	0.950	300.52	0.000	-2.96	-0.0210	0.01461	0.0211	-0.0003	0.0000	-0.109	-0.0600	0.01407	-1.65
166	0.950	300.49	0.000	-2.24	0.0094	0.01516	0.0173	-0.0007	0.0000	-0.104	0.0172	0.01407	0.70
167	0.951	300.90	0.000	-1.51	0.0308	0.01550	0.0120	-0.0013	0.0000	-0.109	0.0300	0.01277	0.07
168	0.949	300.03	0.000	-0.85	0.0601	0.01554	0.0095	-0.0010	0.0000	-0.109	0.0600	0.01200	0.16
169	0.950	300.29	0.000	-0.20	0.0914	0.01550	0.0075	-0.0023	0.0000	-0.109	0.0900	0.01100	0.76
170	0.952	370.33	0.000	0.58	0.1272	0.01550	0.0050	-0.0031	0.0000	-0.109	0.1270	0.01000	0.53
171	0.949	300.20	0.000	1.30	0.1566	0.01606	0.0030	-0.0030	0.0000	-0.109	0.1560	0.01000	0.60
172	0.949	300.99	0.000	2.04	0.1807	0.01396	-0.0006	-0.0040	0.0000	-0.109	0.1800	0.01000	0.83
173	0.949	300.14	0.000	2.00	0.2259	0.01326	-0.0070	-0.0040	0.0000	-0.109	0.2250	0.01000	0.85
174	0.949	300.77	0.000	3.57	0.2617	0.01316	-0.0122	-0.0040	0.0000	-0.109	0.2600	0.01000	0.70
175	0.948	300.67	0.000	4.35	0.3043	0.01342	-0.0175	-0.0050	0.0000	-0.112	0.3040	0.01000	0.73
176	0.950	300.17	0.000	5.13	0.3474	0.01391	-0.0229	-0.0050	0.0000	-0.112	0.3470	0.01000	0.90
177	0.950	300.77	0.000	6.10	0.4017	0.01407	-0.0290	-0.0060	0.0000	-0.111	0.4000	0.01000	0.71
178	0.949	300.15	0.000	6.93	0.4459	0.01407	-0.0316	-0.0060	0.0000	-0.109	0.4450	0.01000	0.65
179	0.949	300.15	0.000	7.03	0.4950	0.01406	-0.0335	-0.0060	0.0000	-0.109	0.4950	0.01000	0.61
180	0.950	370.02	0.000	1.43	0.1711	0.01451	-0.0015	-0.0000	0.0000	-0.109	0.1700	0.01000	0.90

POINT	ALPHA	CLSD	CLL	CD0	CD1	R/F1	TEMP
162	-5.96	0.0243	0.0000	0.00070	0.0010	2.01	118.6
163	-6.41	0.0073	0.0000	0.00070	0.0010	2.01	118.6
164	-3.00	0.0035	0.0000	0.00070	0.0010	2.01	118.6
165	-2.96	0.0006	0.0000	0.00070	0.0010	2.01	118.6
166	-2.24	0.0001	0.0000	0.00070	0.0010	2.01	118.6
167	-1.51	0.0015	0.0000	0.00070	0.0010	2.01	118.7
168	-0.85	0.0040	0.0000	0.00070	0.0010	2.00	118.7
169	-0.20	0.0080	0.0000	0.00070	0.0010	2.00	118.7
170	0.58	0.0141	0.0000	0.00070	0.0010	2.01	118.7
171	1.30	0.0244	0.0000	0.00070	0.0010	2.01	118.7
172	2.04	0.0350	0.0000	0.00070	0.0010	2.00	118.7
173	2.00	0.0506	0.0000	0.00070	0.0010	2.00	118.7
174	3.57	0.0670	0.0000	0.00070	0.0010	2.00	118.6
175	4.35	0.0915	0.0000	0.00070	0.0010	2.00	118.6
176	5.13	0.1180	0.0000	0.00070	0.0010	2.01	118.6
177	6.10	0.1500	0.0000	0.00070	0.0010	2.01	118.7
178	6.93	0.1902	0.0000	0.00070	0.0010	2.01	118.7
179	7.03	0.2301	0.0000	0.00070	0.0010	2.01	118.7
180	1.43	0.0291	0.0000	0.00070	0.0010	2.01	118.7

NASA LANGLEY RESEARCH CENTER 0-FI TPT

SCAT 19-F

		TEST 401	SUN 153	MACH	1.600	CONFIG.	19						L/D
POINT	WIND	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/D
181	.599	262.80	0.01	-5.78	-1.370	.01117	.0270	.0015	.0040	-.0113	-.1392	.02212	-5.51
182	.599	263.13	0.01	-4.39	-.0759	.01322	.0226	.0004	.0035	-.0109	-.0767	.01719	-6.34
183	.599	263.21	0.01	-3.75	-.0520	.01379	.0207	.0003	.0035	-.0107	-.0769	.01536	-3.32
184	.599	263.21	0.01	-3.05	-.0215	.01449	.0183	-.0002	.0034	-.0106	-.0287	.01302	-1.50
185	.599	263.04	0.01	-2.46	.0026	.01502	.0163	-.0006	.0034	-.0103	.0633	.01310	.25
186	.599	263.54	0.01	-1.76	.0279	.01539	.0144	-.0011	.0032	-.0102	.0294	.01273	2.23
187	.599	262.80	0.01	-1.19	.0485	.01548	.0130	-.0014	.0032	-.0105	.0488	.01267	3.85
188	.599	263.28	0.01	-.53	.0712	.01543	.0113	-.0018	.0029	-.0101	.0714	.01297	5.50
189	.600	263.37	0.01	.11	.0964	.01519	.0096	-.0025	.0028	-.0103	.0964	.01357	7.10
190	.599	263.12	0.02	.73	.1172	.01476	.0083	-.0029	.0026	-.0103	.1170	.01446	8.09
191	.599	263.20	0.02	1.34	.1381	.01417	.0070	-.0034	.0024	-.0107	.1379	.01500	8.83
192	.600	263.94	0.02	2.04	.1638	.01329	.0055	-.0039	.0022	-.0104	.1633	.01731	9.43
193	.600	263.77	0.02	2.62	.1845	.01239	.0043	-.0041	.0020	-.0105	.1837	.01932	9.66
194	.600	263.45	0.02	3.33	.2120	.01146	.0027	-.0042	.0017	-.0103	.2118	.02281	9.62
195	.598	262.55	0.02	3.87	.2318	.01098	.0012	-.0043	.0015	-.0102	.2305	.02481	9.29
196	.598	262.47	0.01	4.42	.2486	.01045	-.0013	-.0044	.0013	-.0103	.2466	.02727	8.82
197	.597	261.49	0.01	5.23	.2960	.01026	-.0030	-.0046	.0012	-.0100	.2935	.03039	8.30
198	.598	262.03	0.00	5.97	.3325	.01006	-.0049	-.0050	.0013	-.0106	.3295	.03276	7.71
199	.599	262.79	0.00	6.70	.3692	.01031	-.0069	-.0054	.0014	-.0104	.3655	.03452	7.05
200	.599	263.04	0.00	7.50	.4100	.01103	-.0083	-.0059	.0016	-.0106	.4071	.03627	6.46
201	.597	261.73	0.00	8.24	.4510	.01161	-.0093	-.0062	.0016	-.0102	.4487	.03764	5.98
202	.597	261.73	0.00	8.98	.4883	.01263	-.0096	-.0064	.0017	-.0104	.4856	.03904	5.53
203	.600	263.37	0.02	9.82	.5272	.01477	-.0095	-.0063	.0020	-.0106	.5250	.04176	5.09

POINT	ALPHA	CLS0	LOC	COB	CDI	R/FT	TEMP
181	-5.78	.01193	.00032	.00000	.0010	2.01	117.6
182	-4.39	.00756	.00033	.00000	.0010	2.01	118.0
183	-3.75	.0026	.00036	.00000	.0010	2.00	118.2
184	-3.05	.0004	.00035	.00000	.0010	2.00	118.5
185	-2.46	.0000	.00037	.00000	.0010	2.00	118.6
186	-1.76	.0000	.00037	.00000	.0010	2.00	117.7
187	-1.19	.0024	.00037	.00000	.0010	2.00	118.7
188	-.53	.0051	.00039	.00000	.0010	2.00	118.7
189	.11	.0093	.00040	.00000	.0010	2.00	118.6
190	.73	.0137	.00041	.00000	.0010	2.00	118.5
191	1.34	.0190	.00041	.00000	.0010	2.00	118.5
192	2.04	.0267	.00042	.00000	.0010	2.01	119.5
193	2.62	.0338	.00042	.00000	.0010	2.00	118.5
194	3.33	.0449	.00043	.00000	.0010	2.00	119.5
195	3.87	.0531	.00043	.00000	.0010	2.00	119.7
196	4.42	.0612	.00044	.00000	.0010	2.00	119.9
197	5.23	.0693	.00044	.00000	.0010	2.00	119.7
198	5.97	.0777	.00045	.00000	.0010	2.00	119.7
199	6.70	.0861	.00046	.00000	.0010	2.00	119.7
200	7.50	.0941	.00046	.00000	.0010	2.00	119.6
201	8.24	.1023	.00047	.00000	.0010	2.00	119.6
202	8.98	.1108	.00047	.00000	.0010	2.00	118.4
203	9.82	.1191	.00047	.00000	.0010	2.00	119.5

		TEST 401	SUN 154	MACH	1.200	CONFIG.	18						L/D
POINT	WIND	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/D
206	1.200	416.79	0.00	-5.77	-1.160	.01322	.0367	.0012	.0035	-.0109	-.1392	.02212	-5.77
207	1.200	416.94	0.00	-4.23	-.0760	.01561	.0272	.0002	.0036	-.0106	-.0763	.01776	-4.23
208	1.201	417.00	0.00	-3.57	-.0574	.01615	.0232	-.0002	.0029	-.0102	-.0766	.01588	-3.57
209	1.201	417.00	0.00	-2.77	-.0129	.01707	.0199	-.0007	.0027	-.0101	-.0761	.01370	-2.77
210	1.200	416.98	0.00	-2.10	.0170	.01762	.0138	-.0012	.0026	-.0099	.0147	.01377	1.21
211	1.200	416.98	0.00	-1.34	.0459	.01806	.0095	-.0017	.0025	-.0094	.0460	.01305	1.35
212	1.200	416.81	0.00	-.65	.0757	.01832	.0052	-.0022	.0024	-.0096	.0759	.01245	1.29
213	1.200	416.87	0.00	.11	.1013	.01830	.0014	-.0026	.0022	-.0094	.1013	.01193	1.65
214	1.200	416.80	0.00	.74	.1337	.01823	-.0035	-.0033	.0021	-.0103	.1334	.01066	2.02
215	1.200	416.80	0.00	1.53	.1690	.01788	-.0087	-.0044	.0019	-.0104	.1684	.01004	2.73
216	1.200	416.75	0.00	2.26	.2094	.01749	-.0135	-.0045	.0016	-.0102	.2086	.01024	3.56
217	1.199	416.84	0.00	2.99	.2515	.01700	-.0183	-.0046	.0013	-.0102	.2503	.01053	4.75
218	1.200	416.93	0.00	3.75	.2724	.01700	-.0246	-.0045	.0003	-.0104	.2716	.01082	6.32
219	1.200	417.00	0.00	4.64	.3167	.01646	-.0309	-.0045	-.0001	-.0102	.3162	.01100	7.69
220	1.200	416.97	0.00	5.44	.3570	.01640	-.0356	-.0046	-.0002	-.0103	.3565	.01118	7.60
221	1.200	416.95	0.00	6.38	.4026	.01607	-.0397	-.0049	.0001	-.0104	.4019	.01131	6.41
222	1.199	416.94	0.00	7.25	.4457	.01538	-.0426	-.0047	.0002	-.0104	.4449	.01155	5.45
223	1.200	416.80	0.00	8.24	.4952	.01414	-.0455	-.0047	.0002	-.0106	.4947	.01176	5.30
224	1.200	416.84	0.00	1.57	.1787	.01783	-.0102	-.0042	.0018	-.0104	.1781	.01162	4.04

POINT	ALPHA	CLS0	LOC	COB	CDI	R/FT	TEMP
206	-5.77	.01193	.00114	.00210	.0010	2.00	119.7
207	-4.23	.0094	.00114	.00210	.0010	2.00	119.1
208	-3.57	.0021	.00116	.00210	.0010	2.00	119.1
209	-2.77	.0001	.00119	.00210	.0010	2.00	119.1
210	-2.10	.0003	.00123	.00210	.0010	2.01	119.0
211	-1.34	.0021	.00124	.00210	.0010	2.00	119.1
212	-.65	.0050	.00123	.00210	.0010	2.00	119.0
213	.11	.0103	.00123	.00210	.0010	2.00	119.0
214	.74	.0170	.00129	.00210	.0010	2.01	119.4
215	1.53	.0284	.00130	.00210	.0010	2.01	118.9
216	2.26	.0398	.00138	.00210	.0010	2.01	118.7
217	2.99	.0530	.00139	.00210	.0010	2.01	118.7
218	3.75	.0732	.00139	.00210	.0010	2.01	118.7
219	4.64	.0987	.00139	.00210	.0010	2.01	118.7
220	5.44	.1250	.00141	.00210	.0010	2.01	118.9
221	6.38	.1583	.00143	.00210	.0010	2.01	118.9
222	7.25	.1930	.00148	.00210	.0010	2.01	118.9
223	8.24	.2369	.00154	.00210	.0010	2.01	118.9
224	1.57	.0917	.00139	.00210	.0010	2.01	118.9

ORIGINAL PAGE IS  
OF POOR QUALITY



TEST 401		RUN 155		MACH .950		CONFIG. 18							
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
225	.951	369.92	2.04	-5.89	-.1587	.01079	.0368	.0014	.0037	-.0115	-.1568	.02531	-6.19
226	.951	370.95	2.03	-6.35	-.0879	.01288	.0287	.0006	.0033	-.0108	-.0967	.01780	-6.87
227	.951	369.67	2.03	-3.59	-.0530	.01366	.0244	.0002	.0029	-.0104	-.0920	.01525	-3.41
228	.951	370.05	2.03	-2.88	-.0230	.01434	.0207	-.0003	.0027	-.0097	-.0222	.01377	-1.61
229	.951	376.34	2.03	-2.16	.0081	.01485	.0169	-.0008	.0026	-.0096	.0087	.01284	.68
230	.951	369.96	2.03	-1.46	.0373	.01525	.0134	-.0012	.0024	-.0093	.0377	.01259	2.99
231	.950	369.74	2.03	-.70	.0674	.01535	.0097	-.0018	.0023	-.0096	.0674	.01282	5.27
232	.951	369.88	2.03	.03	.1010	.01522	.0057	-.0026	.0021	-.0096	.1010	.01357	7.45
233	.951	369.88	2.04	.64	.1240	.01493	.0031	-.0032	.0019	-.0097	.1230	.01460	8.49
234	.950	369.63	2.04	1.37	.1567	.01434	-.0005	-.0038	.0018	-.0100	.1563	.01639	9.54
235	.953	369.77	2.04	2.16	.1909	.01362	-.0045	-.0043	.0015	-.0102	.1902	.01910	9.96
236	.951	369.81	2.04	2.87	.2226	.01306	-.0083	-.0046	.0012	-.0098	.2216	.02250	9.85
237	.949	369.30	2.04	3.62	.2607	.01280	-.0128	-.0048	.0007	-.0098	.2593	.02754	9.41
238	.951	370.09	2.04	4.46	.3067	.01312	-.0190	-.0053	.0004	-.0097	.3048	.03524	9.65
239	.951	369.55	2.04	5.28	.3502	.01355	-.0239	-.0057	.0005	-.0099	.3475	.04400	7.90
240	.951	369.46	2.03	6.11	.3958	.01455	-.0283	-.0062	.0005	-.0092	.3920	.05491	7.14
241	.951	370.03	2.03	6.98	.4421	.01663	-.0324	-.0068	.0007	-.0097	.4368	.06791	6.43
242	.950	369.78	2.04	7.86	.4888	.01772	-.0363	-.0068	.0012	-.0103	.4818	.08175	5.82
243	.950	369.74	2.04	1.53	.1709	.01620	-.0302	-.0040	.0016	-.0100	.1705	.01695	10.06

POINT	ALPHA	CLSQ	L/DL	CDB	CDI	R/FT	TEMP
225	-5.89	.0266	.00024	.03070	.0010	2.01	118.9
226	-6.35	.0075	.00021	.00070	.0010	2.01	118.9
227	-3.59	.0027	.00020	.00070	.0010	2.01	118.7
228	-2.88	.0075	.00020	.00070	.0010	2.01	118.9
229	-2.16	.0001	.00020	.00070	.0010	2.01	118.9
230	-1.46	.0014	.00020	.00070	.0010	2.01	118.9
231	-.70	.0046	.00021	.00070	.0010	2.01	118.9
232	.03	.0112	.00022	.00070	.0010	2.01	118.7
233	.64	.0153	.00024	.00070	.0010	2.01	118.7
234	1.37	.0244	.00025	.00070	.0010	2.01	118.7
235	2.16	.0362	.00026	.00070	.0010	2.01	118.7
236	2.87	.0491	.00027	.00070	.0010	2.01	118.7
237	3.62	.0673	.00029	.00070	.0010	2.01	118.6
238	4.46	.0929	.00033	.00070	.0010	2.01	118.6
239	5.28	.1207	.00039	.00070	.0010	2.01	118.6
240	6.11	.1537	.00046	.00070	.0010	2.01	118.6
241	6.98	.1938	.00055	.00070	.0010	2.01	118.7
242	7.86	.2321	.00065	.00070	.0010	2.01	118.7
243	1.56	.0291	.00027	.00070	.0010	2.01	118.7

TEST 401 RUN 156 MACH .950 CONFIG. 18

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CU	L/D
244	.998	262.12	2.02	-5.65	-.1368	.01679	.0284	.0013	.0033	-.0105	-.1351	.02244	-6.03
245	.998	262.21	2.04	-4.32	-.0786	.01277	.0223	.0005	.0029	-.0101	-.0874	.01886	-6.59
246	.998	263.03	2.02	-3.66	-.0508	.01344	.0200	.0001	.0028	-.0099	-.0949	.01986	-3.36
247	.998	262.04	2.02	-2.96	-.0214	.01413	.0178	-.0002	.0026	-.0092	-.0227	.01542	-1.44
248	.999	262.95	2.04	-2.33	.0010	.01465	.0159	-.0004	.0027	-.0095	.0016	.01290	.12
249	.999	262.96	2.02	-1.69	.0252	.01486	.0142	-.0010	.0025	-.0094	.0256	.01234	2.88
250	.998	262.12	2.02	-1.10	.0486	.01507	.0123	-.0015	.0023	-.0092	.0494	.01236	3.96
251	.999	263.19	2.04	-.42	.0717	.01509	.0108	-.0020	.0021	-.0092	.0718	.01276	5.43
252	.999	262.70	2.02	.16	.0933	.01486	.0091	-.0025	.0019	-.0089	.0932	.01311	7.10
253	.999	262.78	2.04	.77	.1137	.01445	.0079	-.0025	.0019	-.0094	.1135	.01417	8.11
254	.999	262.53	2.04	1.45	.1396	.01373	.0063	-.0035	.0017	-.0097	.1392	.01546	8.61
255	.999	262.53	2.04	2.12	.1636	.01290	.0049	-.0039	.0015	-.0099	.1630	.01715	8.50
256	.998	262.12	2.02	2.86	.1824	.01211	.0034	-.0044	.0014	-.0094	.1817	.01978	8.44
257	.998	261.79	2.04	3.29	.2043	.01127	.0025	-.0049	.0010	-.0093	.2034	.02118	8.00
258	.998	262.12	2.02	4.09	.2371	.01049	.0005	-.0043	.0009	-.0094	.2359	.02516	7.36
259	.998	262.13	2.02	4.74	.2688	.01003	-.0019	-.0045	.0007	-.0091	.2670	.03143	6.79
260	.999	262.70	2.04	5.36	.2980	.00987	-.0036	-.0045	.0006	-.0085	.2959	.03598	6.24
261	.998	262.36	2.04	6.13	.3318	.00966	-.0056	-.0046	.0007	-.0082	.3289	.04307	5.64
262	.999	262.70	2.04	6.79	.3677	.00994	-.0075	-.0056	.0009	-.0086	.3646	.05156	5.06
263	.998	262.21	1.99	7.57	.4078	.01057	-.0087	-.0059	.0010	-.0084	.4028	.06241	4.46
264	.997	261.39	1.99	8.31	.4447	.01111	-.0097	-.0062	.0011	-.0081	.4385	.07346	3.87
265	.999	262.78	2.04	9.48	.4876	.01228	-.0101	-.0065	.0013	-.0086	.4795	.08729	3.49
266	.998	262.37	2.04	9.89	.1273	.01445	.0071	-.0032	.0018	-.0095	.1271	.01462	8.69

POINT	ALPHA	CLSQ	L/DL	CDB	CDI	R/FT	TEMP
244	-5.65	.0182	.00043	.00080	.0010	2.01	118.4
245	-4.32	.0060	.00040	.00080	.0010	2.01	118.7
246	-3.66	.0025	.00040	.00080	.0010	2.01	117.1
247	-2.96	.0004	.00040	.00080	.0010	2.00	117.5
248	-2.33	.0000	.00040	.00080	.0010	2.00	117.9
249	-1.69	.0007	.00040	.00080	.0010	2.00	118.2
250	-1.10	.0024	.00040	.00080	.0010	2.00	118.5
251	-.42	.0052	.00040	.00080	.0010	2.00	118.7
252	.16	.0087	.00040	.00080	.0010	2.00	118.7
253	.77	.0129	.00040	.00080	.0010	2.00	118.9
254	1.45	.0194	.00040	.00080	.0010	2.00	118.9
255	2.12	.0266	.00040	.00080	.0010	2.00	118.9
256	2.86	.0330	.00040	.00080	.0010	2.00	118.7
257	3.29	.0414	.00040	.00080	.0010	2.00	118.7
258	4.09	.0556	.00040	.00080	.0010	2.00	118.6
259	4.74	.0713	.00040	.00080	.0010	2.00	118.6
260	5.36	.0875	.00040	.00080	.0010	2.00	118.6
261	6.10	.1082	.00040	.00080	.0010	2.00	118.6
262	6.79	.1325	.00040	.00080	.0010	2.00	118.5
263	7.57	.1623	.00040	.00080	.0010	2.00	118.5
264	8.31	.1922	.00040	.00080	.0010	2.00	118.5
265	9.48	.2299	.00040	.00080	.0010	2.00	118.5
266	1.56	.0162	.00040	.00080	.0010	2.00	118.5

TEST 40A		RUN 157		MACH 1.200		CONFIG. 20							
POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
269	1.221	417.51	2.03	-5.98	-1514	.01280	.0379	.0016	.0734	-.3116	-.1497	.02547	1.14
270	1.222	417.34	2.03	-4.48	-.0836	.01915	.0282	.0004	.0031	-.0108	-.0822	.01849	-4.7
271	1.223	416.9	2.04	-3.76	-.0539	.01600	.0239	-.0001	.0029	-.0106	-.0527	.01646	-3.27
272	1.224	417.31	2.04	-2.99	-.0274	.01682	.0192	-.0005	.0026	-.0132	-.0225	.01481	-1.34
273	1.225	416.44	2.04	-2.27	.0067	.01740	.0152	-.0009	.0026	-.0133	.0075	.01402	.56
274	1.226	416.49	2.04	-1.61	.0373	.01800	.0108	-.0015	.0025	-.0099	.0374	.01354	2.73
275	1.227	417.1	2.04	-.73	.0724	.01831	.0057	-.0020	.0023	-.0096	.0726	.01429	5.04
276	1.228	417.1	2.04	-.07	.0996	.01833	.0016	-.0027	.0023	-.0098	.0997	.01511	6.59
277	1.229	416.34	2.04	.71	.1322	.01825	-.0032	-.0034	.0021	-.0101	.1319	.01479	7.86
278	1.230	416.42	2.04	1.37	.1612	.01800	-.0074	-.0040	.0022	-.0106	.1607	.01475	8.57
279	1.231	416.9	2.04	2.13	.1912	.01758	-.0110	-.0045	.0020	-.0132	.1904	.01457	8.83
280	1.232	417.07	2.04	2.86	.2264	.01743	-.0173	-.0049	.0017	-.0098	.2253	.01559	8.80
281	1.233	417.97	2.04	3.76	.2722	.01781	-.0242	-.0054	.0008	-.0082	.2775	.01244	8.34
282	1.234	416.75	2.04	4.41	.3058	.01831	-.0289	-.0057	.0004	-.0076	.3035	.01369	7.84
283	1.235	416.43	2.03	5.35	.3733	.01932	-.0345	-.0063	.0003	-.0075	.3499	.01408	7.13
284	1.236	416.33	2.03	6.10	.4892	.02020	-.0377	-.0065	.0003	-.0072	.3848	.01536	6.59
285	1.239	416.57	2.02	7.13	.4399	.02188	-.0411	-.0076	.0003	-.0072	.4338	.01323	5.92
286	1.245	416.7	2.04	8.63	.4841	.02368	-.0437	-.0074	.0002	-.0077	.4761	.01772	5.43
287	1.251	417.11	2.04	1.51	.1779	.01789	-.0098	-.0043	.0021	-.0105	.1774	.01477	9.1

POINT	ALPHA	CLSO	LDC	CDB	CDI	R/FT	TEMP
269	-5.98	.0224	.00111	.00210	.0010	2.01	118.9
270	-4.48	.0067	.00113	.00210	.0010	2.01	118.9
271	-3.76	.0024	.00117	.00210	.0010	2.00	119.0
272	-2.99	.0004	.00118	.00210	.0010	2.00	119.0
273	-2.27	.0001	.00119	.00210	.0010	2.00	118.9
274	-1.61	.0019	.00121	.00210	.0010	2.01	118.9
275	-.73	.0053	.00122	.00210	.0010	2.01	118.9
276	-.07	.0099	.00124	.00210	.0010	2.01	118.9
277	.71	.0174	.00126	.00210	.0010	2.00	118.9
278	2.13	.0254	.00128	.00210	.0010	2.01	118.9
279	2.86	.0363	.00130	.00210	.0010	2.01	118.9
280	4.41	.0508	.00137	.00210	.0010	2.01	118.9
281	5.35	.0732	.00139	.00210	.0010	2.01	118.9
282	6.10	.0921	.00139	.00210	.0010	2.00	118.9
283	7.13	.1225	.00140	.00210	.0010	2.01	118.9
284	8.63	.1481	.00142	.00210	.0010	2.01	118.9
285	7.13	.1382	.00146	.00210	.0010	2.00	118.9
286	8.63	.2267	.00132	.00210	.0010	2.01	118.9
287	1.51	.0315	.00142	.00210	.0010	2.01	118.9

TEST 40A		RUN 158		MACH .950		CONFIG. 20							
POINT	MINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
288	.952	370.71	2.02	-5.98	-.1602	.01180	.0369	.0015	.0034	-.0115	-.1582	.02574	-4.15
289	.952	370.69	2.03	-4.98	-.0977	.01254	.0298	.0007	.0031	-.0126	-.0964	.01881	-5.14
290	.951	369.72	2.03	-3.77	-.0616	.01341	.0252	-.0003	.0029	-.0123	-.0676	.01573	-3.85
291	.950	369.41	2.03	-3.09	-.0324	.01410	.0216	-.0001	.0026	-.0098	-.0316	.01413	-2.24
292	.950	369.19	2.03	-2.25	.0036	.01477	.0174	-.0006	.0025	-.0095	.0042	.01292	.33
293	.950	369.19	2.03	-1.61	.0318	.01513	.0139	-.0011	.0024	-.0093	.0322	.01253	2.47
294	.950	369.10	2.03	-.94	.0594	.01531	.0126	-.0016	.0023	-.0093	.0596	.01263	4.72
295	.950	369.14	2.03	-.26	.0867	.01524	.0074	-.0022	.0020	-.0091	.0867	.01316	6.59
296	.950	369.39	2.03	.48	.1173	.01489	.0040	-.0029	.0020	-.0094	.1171	.01417	7.27
297	.950	369.35	2.03	1.19	.1447	.01450	.0009	-.0037	.0020	-.0096	.1444	.01579	8.14
298	.948	368.62	2.03	2.04	.1834	.01374	-.0033	-.0044	.0017	-.0098	.1829	.01655	8.85
299	.949	359.13	2.03	2.69	.2119	.01312	-.0066	-.0047	.0016	-.0095	.2110	.01236	4.98
300	.950	369.45	2.03	3.51	.2543	.01279	-.0117	-.0050	.0012	-.0087	.2531	.02462	4.51
301	.949	368.73	2.02	4.17	.2890	.01292	-.0159	-.0053	.0009	-.0079	.2873	.01719	4.63
302	.949	368.92	2.02	5.10	.3420	.01347	-.0223	-.0060	.0010	-.0079	.3394	.01424	4.06
303	.954	370.72	2.01	5.89	.3868	.01449	-.0271	-.0065	.0010	-.0080	.3813	.01521	7.30
304	.949	368.96	2.00	6.76	.4315	.01556	-.0302	-.0072	.0011	-.0080	.4267	.01655	6.61
305	.949	368.96	1.99	7.81	.4848	.01749	-.0329	-.0071	.0015	-.0086	.4787	.01448	5.47
306	.949	368.72	2.03	1.34	.1635	.01438	-.0010	-.0040	.0019	-.0097	.1631	.01551	6.88

POINT	ALPHA	CLSO	LDC	CDB	CDI	R/FT	TEMP
288	-5.98	.0250	.00024	.00070	.0010	2.01	118.7
289	-4.98	.0093	.00022	.00070	.0010	2.01	118.7
290	-3.77	.0037	.00024	.00070	.0010	2.01	118.7
291	-3.09	.0010	.00025	.00070	.0010	2.00	118.7
292	-2.25	.0000	.00027	.00070	.0010	2.00	118.7
293	-1.61	.0010	.00029	.00070	.0010	2.00	118.7
294	-.94	.0036	.00030	.00070	.0010	2.00	118.7
295	-.26	.0075	.00031	.00070	.0010	2.00	118.7
296	.48	.0137	.00032	.00070	.0010	2.00	118.7
297	1.19	.0209	.00034	.00070	.0010	2.00	118.7
298	2.04	.0334	.00036	.00070	.0010	2.00	118.7
299	2.69	.0445	.00038	.00070	.0010	2.00	118.7
300	3.51	.0641	.00037	.00070	.0010	2.00	118.9
301	4.17	.0826	.00039	.00070	.0010	2.00	118.9
302	5.10	.1152	.00041	.00070	.0010	2.00	118.9
303	5.89	.1454	.00042	.00070	.0010	2.01	118.7
304	6.76	.1821	.00043	.00070	.0010	2.00	118.7
305	7.81	.2284	.00043	.00070	.0010	2.00	118.9
306	1.34	.0266	.00037	.00070	.0010	2.00	118.9

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT

TEST 481 RUN 159 MACH .600 20

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CU	L/D
307	.601	264.20	2.02	-5.78	-1400	.01074	.0264	.0013	.0032	-.0105	-.1383	.02298	-6.92
308	.601	264.37	2.02	-4.41	-.0889	.01263	.0222	.0004	.0028	-.0100	-.0797	.01702	-6.68
309	.601	264.20	2.02	-3.82	-.0583	.01320	.0206	.0004	.0026	-.0098	-.0573	.01526	-3.76
310	.601	264.54	2.02	-3.18	-.0318	.01382	.0185	.0001	.0025	-.0094	-.0310	.01376	-2.25
311	.600	264.12	2.02	-2.44	-.0043	.01443	.0162	-.0005	.0024	-.0094	-.0037	.01280	-1.29
312	.601	264.37	2.02	-1.91	.0137	.01466	.0147	-.0009	.0025	-.0094	.0162	.01233	1.31
313	.601	264.20	2.02	-1.22	.0407	.01500	.0129	-.0014	.0023	-.0090	.0410	.01233	3.32
314	.600	263.87	2.02	-.54	.0686	.01496	.0109	-.0019	.0022	-.0092	.0687	.01251	5.43
315	.601	264.37	2.02	.13	.0924	.01478	.0094	-.0024	.0021	-.0093	.0924	.01319	7.00
316	.600	263.96	2.02	.70	.1166	.01444	.0081	-.0028	.0019	-.0091	.1104	.01398	7.90
317	.600	264.13	2.02	1.30	.1323	.01389	.0068	-.0035	.0019	-.0095	.1320	.01500	8.75
318	.600	264.12	2.02	1.96	.1574	.01294	.0055	-.0038	.0018	-.0095	.1569	.01651	9.51
319	.599	263.47	2.02	2.65	.1818	.01208	.0043	-.0042	.0016	-.0094	.1802	.01863	9.67
320	.602	265.44	2.02	3.19	.2018	.01130	.0032	-.0044	.0014	-.0094	.2000	.02045	9.69
321	.601	264.77	2.02	3.90	.2327	.01052	.0021	-.0045	.0013	-.0091	.2314	.02452	9.44
322	.601	264.61	2.01	4.60	.2625	.01005	-.0008	-.0046	.0012	-.0088	.2609	.02926	8.92
323	.601	264.61	2.00	5.22	.2908	.00983	-.0027	-.0048	.0011	-.0087	.2887	.03446	8.38
324	.601	264.62	1.99	5.95	.3223	.00955	-.0042	-.0052	.0011	-.0072	.3195	.04113	7.77
325	.599	263.14	1.98	6.78	.3678	.00985	-.0066	-.0059	.0013	-.0072	.3633	.05134	7.08
326	.599	263.31	1.98	7.45	.4022	.01049	-.0074	-.0063	.0014	-.0081	.3974	.06077	6.54
327	.600	263.79	1.98	8.14	.4388	.01102	-.0083	-.0066	.0014	-.0082	.4328	.07120	6.09
328	.600	263.96	1.97	8.87	.4738	.01176	-.0088	-.0066	.0013	-.0085	.4643	.08280	5.63
329	.600	264.12	2.02	.72	.1171	.01447	.0078	-.0031	.0019	-.0094	.1169	.01415	8.26

POINT	ALPHA	CLSQ	LOC	CDB	CDI	R/FT	TEMP
307	-5.78	.0191	.00041	.00080	.0010	2.01	118.5
308	-4.41	.0063	.00004	.00000	.0010	2.01	118.5
309	-3.82	.0033	.00003	.00000	.0010	2.01	118.6
310	-3.18	.0010	.00000	.00000	.0010	2.01	118.7
311	-2.44	.0003	.00000	.00000	.0010	2.01	118.7
312	-1.91	.0001	.00000	.00000	.0010	2.01	118.7
313	-1.22	.0001	.00000	.00000	.0010	2.01	118.7
314	-.54	.0001	.00000	.00000	.0010	2.00	118.7
315	.13	.0001	.00000	.00000	.0010	2.01	118.7
316	.70	.0001	.00000	.00000	.0010	2.01	118.7
317	1.30	.0001	.00000	.00000	.0010	2.01	118.7
318	1.96	.0001	.00000	.00000	.0010	2.01	118.6
319	2.65	.0001	.00000	.00000	.0010	2.00	118.6
320	3.19	.0001	.00000	.00000	.0010	2.01	118.6
321	3.90	.0001	.00000	.00000	.0010	2.01	118.6
322	4.60	.0001	.00000	.00000	.0010	2.01	118.6
323	5.22	.0001	.00000	.00000	.0010	2.01	118.5
324	5.95	.0001	.00000	.00000	.0010	2.01	118.7
325	6.78	.0001	.00000	.00000	.0010	2.00	119.0
326	7.45	.0001	.00000	.00000	.0010	2.00	119.2
327	8.14	.0001	.00000	.00000	.0010	2.00	119.5
328	8.87	.0001	.00000	.00000	.0010	2.00	119.5
329	.72	.0137	.00000	.00000	.0010	2.00	119.0

TEST 481 RUN 160 MACH 1.200 CONFIG. 20

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CXIDE	CL	CU	L/D
332	1.201	417.22	.00	-5.91	-1451	.01299	.0374	.0002	.0001	-.0000	-.1430	.02476	-5.74
333	1.201	417.00	.00	-4.32	-.0724	.01552	.0271	.0003	.0001	-.0004	-.0711	.01783	-5.58
334	1.200	416.79	.00	-3.65	-.0464	.01627	.0234	.0002	.0001	-.0006	-.0452	.01609	-2.91
335	1.200	416.82	.00	-2.84	-.0109	.01711	.0182	.0002	.0001	-.0007	-.0101	.01453	-1.69
336	1.200	416.77	.00	-2.09	.0234	.01782	.0132	.0003	.0002	-.0008	.0247	.01386	1.73
337	1.200	416.79	.01	-1.52	.0467	.01821	.0098	.0004	.0002	-.0010	.0472	.01386	3.40
338	1.199	416.69	.00	-.77	.0776	.01849	.0052	.0003	.0002	-.0009	.0775	.01435	5.42
339	1.200	416.82	.00	-.01	.1093	.01854	.0004	.0003	.0002	-.0008	.1094	.01541	7.10
340	1.200	416.76	.00	.64	.1356	.01830	-.0038	.0004	.0002	-.0009	.1354	.01682	8.74
341	1.199	416.68	.00	1.49	.1729	.01802	-.0089	.0005	.0002	-.0008	.1724	.01843	9.67
342	1.199	416.84	.01	2.16	.2006	.01765	-.0130	.0004	.0002	-.0010	.1998	.02210	9.24
343	1.199	416.51	.01	3.61	.2410	.01761	-.0193	.0004	.0000	-.0010	.2397	.02712	8.84
344	1.199	416.75	.01	3.75	.2790	.01789	-.0259	.0006	-.0000	-.0010	.2773	.03248	8.41
345	1.199	416.81	.01	4.56	.3157	.01835	-.0300	.0007	-.0001	-.0008	.3129	.04124	7.90
346	1.199	416.81	.01	5.50	.3662	.01958	-.0357	.0009	-.0002	-.0006	.3626	.05149	7.04
347	1.200	416.92	.02	6.28	.4009	.02051	-.0387	.0009	-.0003	-.0009	.3962	.06114	6.48
348	1.199	416.52	.02	7.22	.4494	.02242	-.0416	.0010	-.0004	-.0009	.4437	.07566	5.86
349	1.200	416.86	.03	7.94	.4864	.02395	-.0436	.0010	-.0005	-.0007	.4795	.08743	5.45
350	1.200	416.67	.00	1.54	.1822	.01790	-.0192	.0004	.0002	-.0009	.1816	.01970	9.72

POINT	ALPHA	CLSQ	LOC	CDB	CDI	R/FT	TEMP
332	-5.91	.0205	.00111	.00210	.0010	2.01	119.7
333	-4.32	.0050	.00014	.00210	.0010	2.01	118.7
334	-3.65	.0020	.00003	.00210	.0010	2.01	118.9
335	-2.84	.0001	.00000	.00210	.0010	2.01	118.9
336	-2.09	.0000	.00000	.00210	.0010	2.01	118.9
337	-1.52	.0022	.00110	.00210	.0010	2.01	118.9
338	-.77	.0061	.00111	.00210	.0010	2.01	118.9
339	.01	.0120	.00114	.00210	.0010	2.01	118.9
340	.64	.0183	.00110	.00210	.0010	2.00	118.9
341	1.49	.0297	.00122	.00210	.0010	2.00	118.9
342	2.16	.0399	.00123	.00210	.0010	2.01	118.9
343	3.61	.0575	.00127	.00210	.0010	2.00	118.9
344	3.75	.0769	.00130	.00210	.0010	2.01	118.9
345	4.56	.0979	.00131	.00210	.0010	2.01	118.9
346	5.50	.1319	.00134	.00210	.0010	2.00	118.9
347	6.28	.1570	.00141	.00210	.0010	2.01	118.9
348	7.22	.1963	.00145	.00210	.0010	2.00	118.9
349	7.94	.2289	.00153	.00210	.0010	2.01	118.9
350	1.54	.0330	.00131	.00210	.0010	2.00	118.9

TEST 400		RUN 101		MACH .950		CONFIG. 20							
POINT	WING	Q	BETA	ALPHA	LN	CA	CM	CROLL	CYAW	CSDIE	CL	CD	L/D
351	.951	370.07	-.001	-5.90	-.1534	.01102	.0364	.0002	.0001	.0004	-.1514	.02503	-6.05
352	.951	369.96	-.000	-4.42	-.0864	.01293	.0280	.0002	.0000	-.0000	-.0891	.01764	-4.77
353	.951	370.04	.000	-3.68	-.0537	.01373	.0247	.0004	.0002	-.0007	-.0528	.01545	-3.42
354	.950	369.50	.000	-3.01	-.0249	.01429	.0210	.0002	.0000	-.0001	-.0261	.01388	-1.74
355	.952	370.31	.000	-.72	.0129	.01509	.0166	.0004	.0001	-.0005	.0135	.01287	1.05
356	.952	370.34	.000	-1.56	.0414	.01539	.0131	.0005	.0001	-.0007	.0419	.01255	3.33
357	.949	369.28	.000	-.77	.0745	.01551	.0091	.0005	.0001	-.0008	.0747	.01281	5.84
358	.951	370.05	.000	-.12	.1011	.01546	.0060	.0004	.0001	-.0008	.1012	.01355	7.47
359	.953	370.79	.000	.64	.1324	.01507	.0023	.0004	.0001	-.0007	.1322	.01484	8.91
360	.950	369.67	.000	1.34	.1631	.01451	-.0010	.0004	.0001	-.0007	.1627	.01662	9.79
361	.951	369.79	.000	2.11	.1927	.01371	-.0043	.0005	.0001	-.0008	.1921	.01909	10.07
362	.950	369.61	.000	2.86	.2297	.01322	-.0087	.0006	.0001	-.0009	.2297	.02295	9.90
363	.951	369.92	.001	3.61	.2690	.01294	-.0137	.0005	.0002	-.0013	.2677	.02817	9.50
364	.950	369.56	.001	4.33	.3057	.01299	-.0184	.0010	.0001	-.0011	.3038	.03431	8.86
365	.949	369.01	.001	5.18	.3533	.01388	-.0234	.0012	-.0001	-.0009	.3506	.04399	7.97
366	.951	369.91	.001	6.00	.3937	.01467	-.0273	.0012	-.0001	-.0011	.3901	.05464	7.22
367	.948	368.94	.001	7.00	.4481	.01625	-.0303	.0014	-.0001	-.0014	.4429	.06604	6.41
368	.951	369.85	.000	1.37	.1672	.01449	-.0014	.0004	.0001	-.0007	.1648	.01679	9.94

POINT	ALPHA	CL50	CDC	CDB	CD1	R/FY	TEMP
351	-5.90	.0229	.00021	.00070	.0010	2.01	118.5
352	-4.42	.0072	.00023	.00070	.0010	2.01	118.5
353	-3.68	.0028	.00022	.00070	.0010	2.01	118.7
354	-3.01	.0006	.00024	.00070	.0010	2.01	118.9
355	-2.22	.0002	.00023	.00070	.0010	2.01	118.9
356	-1.56	.0017	.00023	.00070	.0016	2.01	118.9
357	-.77	.0056	.00023	.00070	.0019	2.00	118.9
358	-.12	.0102	.00029	.00070	.0016	2.01	118.9
359	.64	.0175	.00023	.00070	.0010	2.01	118.9
360	1.34	.0265	.00027	.00070	.0016	2.01	118.9
361	2.11	.0369	.00029	.00070	.0010	2.01	118.9
362	2.86	.0523	.00031	.00070	.0010	2.01	118.9
363	3.61	.0716	.00033	.00070	.0010	2.01	118.9
364	4.33	.0923	.00037	.00070	.0010	2.01	118.9
365	5.18	.1229	.00041	.00070	.0010	2.00	118.9
366	6.00	.1521	.00045	.00070	.0010	2.01	118.9
367	7.00	.1960	.00048	.00070	.0010	2.00	118.9
368	1.37	.0278	.00028	.00070	.0010	2.01	118.9

TEST 401		RUN 102		MACH .600		CONFIG. 20							
POINT	WING	Q	BETA	ALPHA	LN	CA	CM	CROLL	CYAW	CSDIE	CL	CD	L/D
369	.600	263.85	-.000	-5.19	-.1291	.01125	.0262	.0001	.0002	.0000	-.1273	.02219	-5.74
370	.600	263.61	.000	-4.40	-.0797	.01269	.0225	.0002	.0001	-.0005	-.0785	.01697	-4.63
371	.600	263.61	.000	-3.69	-.0449	.01368	.0200	.0002	.0001	-.0003	-.0439	.01474	-2.98
372	.600	263.37	.000	-3.09	-.0233	.01421	.0182	.0002	.0001	-.0004	-.0225	.01365	-1.65
373	.599	263.04	.000	-2.45	-.0010	.01460	.0163	.0003	.0001	-.0007	-.0004	.01283	-.03
374	.600	263.45	.000	-1.73	.0302	.01511	.0138	.0003	.0001	-.0007	.0307	.01239	2.48
375	.600	263.28	.000	-1.16	.0505	.01524	.0124	.0003	.0000	-.0005	.0508	.01242	4.09
376	.599	262.96	.000	-.53	.0735	.01525	.0107	.0003	.0001	-.0006	.0736	.01277	5.77
377	.599	263.20	.000	.10	.0970	.01501	.0092	.0002	.0001	-.0007	.0970	.01339	7.25
378	.600	263.94	.000	.72	.1182	.01456	.0077	.0003	.0002	-.0007	.1181	.01424	8.70
379	.601	264.18	.000	1.41	.1431	.01389	.0063	.0002	.0001	-.0008	.1427	.01565	9.12
380	.600	263.53	.000	2.07	.1669	.01204	.0051	.0002	.0000	-.0006	.1663	.01726	9.64
381	.599	263.20	.000	2.67	.1892	.01216	.0038	.0003	.0001	-.0008	.1884	.01915	9.84
382	.600	263.53	.000	3.26	.2129	.01139	.0025	.0003	.0002	-.0013	.2113	.02169	9.77
383	.600	263.86	.000	3.93	.2393	.01063	.0006	.0003	.0004	-.0015	.2380	.02519	9.45
384	.590	263.20	.000	4.59	.2649	.00999	-.0014	.0004	.0005	-.0019	.2653	.02952	8.99
385	.599	263.20	.000	5.25	.2991	.00962	-.0036	.0010	.0003	-.0025	.2979	.03514	8.45
386	.600	263.70	.001	6.04	.3371	.01005	-.0054	.0011	.0002	-.0024	.3342	.04369	7.65
387	.599	262.88	.001	6.71	.3724	.01052	-.0088	.0010	.0001	-.0023	.3687	.05215	7.07
388	.600	263.28	.001	7.41	.4048	.01081	-.0077	.0010	.0001	-.0017	.4007	.06112	6.54
389	.599	263.20	.001	8.30	.4572	.01195	-.0087	.0013	-.0002	-.0018	.4506	.07002	5.93
390	.600	263.45	.000	.76	.1237	.01461	.0075	.0003	.0000	-.0004	.1235	.01445	8.55

POINT	ALPHA	CL50	CDC	CDB	CD1	R/FY	TEMP
369	-5.19	.0162	.00040	.00080	.0010	2.01	117.6
370	-4.40	.0062	.00041	.00080	.0010	2.01	117.6
371	-3.69	.0019	.00042	.00080	.0010	2.01	118.0
372	-3.09	.0005	.00042	.00080	.0010	2.00	118.2
373	-2.45	.0000	.00043	.00080	.0010	2.00	118.2
374	-1.73	.0007	.00042	.00080	.0010	2.00	118.5
375	-1.16	.0026	.00041	.00080	.0010	2.00	118.5
376	-.53	.0054	.00041	.00080	.0010	2.00	118.6
377	.10	.0094	.00041	.00080	.0010	2.00	118.7
378	.72	.0134	.00041	.00080	.0010	2.00	118.7
379	1.41	.0174	.00043	.00080	.0010	2.01	118.7
380	2.07	.0217	.00044	.00080	.0010	2.00	118.9
381	2.67	.0255	.00044	.00080	.0013	2.00	118.9
382	3.26	.0299	.00045	.00080	.0010	2.00	118.9
383	3.93	.0366	.00046	.00080	.0010	2.00	118.9
384	4.59	.0404	.00047	.00080	.0010	2.00	118.7
385	5.25	.0492	.00049	.00080	.0010	2.00	118.7
386	6.04	.0517	.00050	.00080	.0010	2.00	118.6
387	6.71	.0594	.00053	.00080	.0010	2.00	118.6
388	7.41	.0631	.00057	.00080	.0010	2.00	118.6
389	8.30	.0731	.00058	.00080	.0010	2.00	118.6
390	.76	.0152	.00043	.00080	.0010	2.00	118.7

TEST 40A RUN 163 MACH 1.200 CONFIG. 21

POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
393	1.200	417.26	-0.02	-4.79	-0.1475	0.01550	0.0304	0.0015	0.0011	-0.0008	-0.1452	0.02721	-5.34
394	1.201	417.38	-0.02	-4.30	-0.0816	0.01762	0.0296	0.0018	0.0014	-0.0012	-0.0800	0.02079	-3.85
395	1.202	417.38	-0.02	-3.57	-0.0519	0.01876	0.0255	0.0019	0.0015	-0.0018	-0.0507	0.01885	-2.69
396	1.200	417.21	-0.02	-2.88	-0.0218	0.01950	0.0213	0.0020	0.0015	-0.0019	-0.0206	0.01746	-1.18
397	1.200	417.16	-0.02	-1.99	0.0198	0.02034	0.0155	0.0022	0.0015	-0.0020	0.0205	0.01654	1.24
398	1.200	417.31	-0.02	-1.36	0.0432	0.02058	0.0121	0.0024	0.0015	-0.0019	0.0437	0.01645	2.66
399	1.200	417.19	-0.02	-0.61	0.0719	0.02000	0.0081	0.0026	0.0015	-0.0019	0.0722	0.01694	4.26
400	1.201	417.38	-0.02	0.11	0.1013	0.02000	0.0038	0.0028	0.0015	-0.0019	0.1013	0.01790	5.66
401	1.200	417.37	-0.02	0.84	0.1332	0.02062	-0.0007	0.0029	0.0014	-0.0018	0.1329	0.01947	6.83
402	1.200	417.13	-0.02	1.53	0.1608	0.02022	-0.0047	0.0029	0.0013	-0.0015	0.1602	0.02139	7.49
403	1.200	417.37	-0.01	2.44	0.2056	0.01990	-0.0115	0.0028	0.0012	-0.0015	0.2046	0.02561	7.99
404	1.201	417.40	-0.01	3.06	0.2541	0.01997	-0.0161	0.0028	0.0013	-0.0019	0.2327	0.02936	7.93
405	1.200	417.13	-0.01	3.76	0.2686	0.02010	-0.0219	0.0025	0.0014	-0.0021	0.2667	0.03458	7.71
406	1.200	417.09	-0.01	4.60	0.3137	0.02044	-0.0289	0.0020	0.0009	-0.0017	0.3110	0.04241	7.33
407	1.200	417.24	-0.00	5.45	0.3562	0.02096	-0.0338	0.0019	0.0008	-0.0016	0.3526	0.05162	6.83
408	1.200	417.14	0.00	6.34	0.4014	0.02188	-0.0380	0.0016	0.0004	-0.0012	0.3965	0.06300	6.20
409	1.198	416.84	0.02	7.33	0.4515	0.02320	-0.0412	0.0012	-0.0000	-0.0018	0.4449	0.07751	5.74
410	1.200	417.17	0.02	7.94	0.4822	0.02437	-0.0432	0.0013	-0.0003	-0.0016	0.4741	0.08765	5.41
411	1.200	417.13	-0.02	1.64	0.1740	0.02022	-0.0065	0.0029	0.0012	-0.0015	0.1734	0.02208	7.85

POINT	ALPHA	CLS0	LDC	CDB	CDI	R/FT	TEMP
393	-5.79	0.0211	0.0014	0.0210	0.0010	2.00	120.1
394	-4.30	0.0064	0.0014	0.0210	0.0010	2.00	119.9
395	-3.57	0.0026	0.0015	0.0210	0.0010	2.00	119.6
396	-2.88	0.0034	0.0015	0.0210	0.0010	2.00	119.6
397	-1.99	0.0004	0.0013	0.0210	0.0010	2.00	119.6
398	-1.36	0.0019	0.0014	0.0210	0.0010	2.00	119.4
399	-0.61	0.0052	0.0015	0.0210	0.0010	2.00	119.2
400	0.11	0.0103	0.0016	0.0210	0.0010	2.01	119.1
401	0.84	0.0177	0.0016	0.0210	0.0010	2.01	119.0
402	1.53	0.0257	0.0016	0.0210	0.0010	2.01	119.0
403	2.44	0.0418	0.0016	0.0210	0.0010	2.01	119.0
404	3.06	0.0542	0.0016	0.0210	0.0010	2.01	118.9
405	3.76	0.0711	0.0016	0.0210	0.0010	2.01	118.9
406	4.60	0.0967	0.0016	0.0210	0.0010	2.01	118.7
407	5.45	0.1243	0.0016	0.0210	0.0010	2.01	118.7
408	6.34	0.1572	0.0016	0.0210	0.0010	2.01	118.7
409	7.33	0.1979	0.0016	0.0210	0.0010	2.01	118.7
410	7.94	0.2449	0.0016	0.0210	0.0010	2.01	118.9
411	1.64	0.0301	0.0016	0.0210	0.0010	2.01	118.9

TEST 40A RUN 164 MACH 0.950 CONFIG. 21

POINT	MINF	Q	BETA	ALPHA	CM	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
412	0.949	368.94	-0.01	-5.89	-0.1634	0.01295	0.0392	0.0019	0.0005	0.0001	-0.1612	0.02795	-5.77
413	0.949	369.02	-0.01	-4.38	-0.0996	0.01497	0.0375	0.0020	0.0007	-0.0006	-0.0982	0.02083	-4.71
414	0.951	369.63	-0.01	-3.64	-0.0640	0.01597	0.0283	0.0023	0.0009	-0.0008	-0.0629	0.01830	-3.43
415	0.951	369.50	-0.01	-2.92	-0.0317	0.01664	0.0243	0.0024	0.0009	-0.0010	-0.0309	0.01654	-1.87
416	0.949	368.84	-0.01	-2.16	-0.0015	0.01714	0.0211	0.0027	0.0010	-0.0009	-0.0009	0.01548	-0.66
417	0.950	369.17	-0.01	-1.52	0.0244	0.01757	0.0182	0.0029	0.0011	-0.0013	0.0244	0.01511	1.63
418	0.950	369.12	-0.01	-0.76	0.0577	0.01790	0.0142	0.0031	0.0011	-0.0012	0.0579	0.01534	3.76
419	0.951	369.50	-0.02	-0.13	0.0858	0.01772	0.0112	0.0032	0.0012	-0.0012	0.0858	0.01590	5.37
420	0.950	369.07	-0.02	0.68	0.1166	0.01743	0.0080	0.0032	0.0012	-0.0011	0.1166	0.01111	6.80
421	0.949	368.96	-0.02	1.7	0.1445	0.01698	0.0049	0.0032	0.0012	-0.0012	0.1441	0.01151	7.78
422	0.949	368.85	-0.02	2.07	0.1761	0.01614	0.0013	0.0029	0.0012	-0.0012	0.1754	0.02186	8.41
423	0.949	368.90	-0.01	2.86	0.2124	0.01579	-0.0029	0.0030	0.0011	-0.0011	0.2111	0.02466	8.57
424	0.949	368.73	-0.01	3.58	0.2477	0.01552	-0.0073	0.0029	0.0009	-0.0011	0.2462	0.02927	8.41
425	0.949	368.84	-0.01	4.38	0.2904	0.01550	-0.0134	0.0030	0.0010	-0.0013	0.2883	0.03542	8.03
426	0.949	368.90	-0.01	5.24	0.3436	0.01616	-0.0226	0.0014	0.0015	-0.0027	0.3407	0.04576	7.44
427	0.948	368.40	0.00	6.06	0.3918	0.01656	-0.0268	0.0015	0.0008	-0.0022	0.3878	0.05612	6.91
428	0.949	368.96	0.01	7.02	0.4460	0.01757	-0.0306	0.0013	0.0001	-0.0014	0.4405	0.07022	6.27
429	0.948	368.49	0.02	7.87	0.4902	0.01872	-0.0329	0.0015	-0.0003	-0.0013	0.4831	0.08393	5.76
430	0.951	369.89	-0.02	1.41	0.1537	0.01689	0.0039	0.0032	0.0013	-0.0012	0.1532	0.01847	8.08

POINT	ALPHA	CLS0	LDC	CDB	CDI	R/FT	TEMP
412	-5.89	0.0260	0.0022	0.0070	0.0010	2.00	118.9
413	-4.38	0.0096	0.0023	0.0070	0.0010	2.00	118.7
414	-3.64	0.0039	0.0022	0.0070	0.0010	2.01	118.7
415	-2.92	0.0010	0.0023	0.0070	0.0010	2.00	118.7
416	-2.16	0.0000	0.0024	0.0070	0.0010	2.00	118.7
417	-1.52	0.0006	0.0024	0.0070	0.0010	2.00	118.7
418	-0.76	0.0034	0.0025	0.0070	0.0010	2.00	118.9
419	-0.03	0.0074	0.0025	0.0070	0.0010	2.00	118.9
420	0.68	0.0136	0.0026	0.0070	0.0010	2.00	118.9
421	1.32	0.0208	0.0029	0.0070	0.0010	2.00	118.7
422	2.07	0.0308	0.0030	0.0070	0.0010	2.00	118.7
423	2.86	0.0446	0.0032	0.0070	0.0010	2.00	118.7
424	3.58	0.0606	0.0035	0.0070	0.0010	2.00	118.7
425	4.38	0.0831	0.0037	0.0070	0.0010	2.00	118.9
426	5.24	0.1160	0.0040	0.0070	0.0010	2.00	118.9
427	6.06	0.1504	0.0040	0.0070	0.0010	2.00	118.9
428	7.02	0.1941	0.0041	0.0070	0.0010	2.00	118.9
429	7.87	0.2333	0.0042	0.0070	0.0010	2.00	118.9
430	1.41	0.0235	0.0027	0.0070	0.0010	2.01	118.9

TEST 401 KUN 165 MACH .600 CONFIG. 21													
POINT	H/MF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C/SIDE	CL	CD	L/D
431	.600	263.46	-.04	-5.70	-.1359	.01284	.0261	.0005	.0007	-.0006	-.1339	.02447	-5.47
432	.599	263.04	-.03	-4.34	-.0795	.01473	.0221	.0005	.0009	-.0015	-.0782	.01891	-4.13
433	.600	263.45	-.04	-3.61	-.0469	.01566	.0197	.0006	.0009	-.0013	-.0458	.01678	-2.73
434	.600	263.53	-.04	-3.00	-.0254	.01611	.0181	.0009	.0009	-.0015	-.0244	.01562	-1.57
435	.600	263.77	-.03	-2.50	-.0053	.01652	.0164	.0007	.0009	-.0017	-.0044	.01494	-.31
436	.599	263.03	-.04	-1.73	.0238	.01710	.0142	.0009	.0010	-.0018	.0243	.01458	1.67
437	.599	262.71	-.04	-1.07	.0480	.01735	.0125	.0010	.0010	-.0019	.0483	.01465	3.30
438	.600	263.53	-.04	-.47	.0698	.01735	.0109	.0010	.0010	-.0018	.0699	.01498	4.67
439	.599	263.20	-.04	.13	.0922	.01714	.0095	.0010	.0011	-.0017	.0922	.01554	5.93
440	.599	263.12	-.04	.78	.1132	.01673	.0084	.0011	.0011	-.0020	.1130	.01647	6.46
441	.600	263.45	-.04	1.41	.1357	.01614	.0068	.0011	.0011	-.0018	.1352	.01748	7.65
442	.600	263.37	-.04	2.06	.1595	.01525	.0055	.0011	.0011	-.0019	.1588	.01913	8.28
443	.599	262.89	-.04	2.72	.1843	.01427	.0038	.0010	.0011	-.0021	.1834	.02118	8.66
444	.599	263.14	-.04	3.39	.2117	.01347	.0022	.0010	.0010	-.0020	.2105	.02416	8.71
445	.599	262.44	-.04	4.02	.2375	.01269	.0004	.0009	.0009	-.0019	.2360	.02745	8.59
446	.599	263.12	-.04	4.70	.2697	.01203	-.0022	.0009	.0009	-.0020	.2674	.03246	8.30
447	.599	263.20	-.04	5.40	.3027	.01148	-.0051	.0010	.0009	-.0020	.3002	.03812	7.88
448	.599	262.98	-.04	6.03	.3390	.01181	-.0074	.0009	.0011	-.0026	.3358	.04587	7.32
449	.599	262.70	-.04	6.69	.3781	.01181	-.0085	.0005	.0011	-.0030	.3740	.05524	6.77
450	.599	262.96	-.04	7.53	.4286	.01221	-.0092	.0007	.0007	-.0027	.4235	.06364	6.04
451	.599	262.96	-.04	8.40	.4861	.01256	-.0094	.0011	.0007	-.0028	.4494	.07722	5.82
452	.600	262.53	-.04	8.81	.5199	.01675	-.0080	.0010	.0011	-.0018	.4197	.08465	7.19

POINT	ALPHA	CLS0	CUC	CDB	COI	R/FT	TEMP
431	-.04	.0174	.00037	.00080	.0010	2.00	118.6
432	-.03	.0151	.00043	.00080	.0010	2.00	118.7
433	-.04	.0121	.00042	.00080	.0010	2.00	118.7
434	-.04	.0106	.00043	.00080	.0010	2.00	118.9
435	-.03	.0070	.00042	.00080	.0010	2.00	118.7
436	-.03	.0036	.00043	.00080	.0010	2.00	118.6
437	-.04	.0023	.00042	.00080	.0010	2.00	118.6
438	-.04	.0009	.00042	.00080	.0010	2.00	118.6
439	-.13	.0085	.00042	.00080	.0010	2.00	118.6
440	.78	.012	.00042	.00080	.0010	2.00	118.6
441	1.41	.018	.00042	.00080	.0010	2.00	118.6
442	2.06	.0252	.00042	.00080	.0010	2.00	118.6
443	2.72	.0336	.00043	.00080	.0010	2.00	118.6
444	3.39	.0443	.00043	.00080	.0010	2.00	118.6
445	4.02	.0577	.00047	.00080	.0010	2.00	118.6
446	4.70	.0717	.00048	.00080	.0010	2.00	118.6
447	5.40	.0901	.00050	.00080	.0010	2.00	118.6
448	6.08	.1128	.00052	.00080	.0010	2.00	118.7
449	6.88	.1399	.00053	.00080	.0010	2.00	118.7
450	7.53	.1628	.00055	.00080	.0010	2.00	118.7
451	8.40	.2019	.00057	.00080	.0010	2.00	118.7
452	8.81	.0143	.00042	.00080	.0010	2.00	118.9

TEST 401 KUN 166 MACH 1.200 CONFIG. 22													
POINT	H/MF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	C/SIDE	CL	CD	L/D
17	1.200	417.26	-.04	-6.04	-.1432	.01243	.0310	.0002	.0003	-.0000	-.1411	.02474	-5.70
18	1.201	417.32	-.04	-4.47	-.0736	.01525	.0229	.0003	.0003	-.0004	-.0721	.01787	-4.05
19	1.201	417.40	-.04	-3.76	-.0444	.01614	.0192	.0003	.0003	-.0006	-.0433	.01592	-2.72
20	1.201	417.45	-.04	-3.05	-.0136	.01649	.0152	.0003	.0003	-.0008	-.0127	.01445	-1.89
21	1.202	417.54	-.04	-2.35	.0167	.01766	.0111	.0004	.0003	-.0009	.0174	.01366	-.28
22	1.201	417.51	-.04	-1.62	.0461	.01747	.0071	.0004	.0003	-.0009	.0464	.01356	1.31
23	1.201	417.43	-.04	-.85	.0747	.01819	.0031	.0004	.0003	-.0009	.0749	.01397	2.73
24	1.200	417.24	-.04	-.19	.1014	.01827	-.0007	.0004	.0003	-.0009	.1014	.01446	4.05
25	1.200	417.29	-.04	.71	.1417	.01804	-.0063	.0004	.0003	-.0009	.1415	.01670	6.47
26	1.200	417.37	-.04	1.33	.1852	.01778	-.0095	.0003	.0003	-.0009	.1847	.01852	8.90
27	1.201	417.45	-.04	2.08	.1972	.01732	-.0135	.0005	.0003	-.0009	.1964	.02136	9.19
28	1.201	417.43	-.04	2.90	.2361	.01721	-.0195	.0006	.0004	-.0010	.2349	.02601	9.03
29	1.201	417.32	-.04	3.65	.2738	.01745	-.0247	.0007	.0004	-.0009	.2722	.03181	8.56
30	1.200	417.26	-.04	4.38	.3094	.01789	-.0291	.0007	.0004	-.0009	.3061	.03831	7.99
31	1.199	417.10	-.04	5.25	.3488	.01858	-.0334	.0009	-.0001	-.0007	.3457	.04733	7.30
32	1.200	417.42	-.04	6.31	.4035	.02027	-.0375	.0010	-.0002	-.0008	.3998	.06139	6.50
33	1.202	417.62	-.04	7.09	.4394	.02156	-.0394	.0011	-.0002	-.0013	.4334	.07251	5.94
34	1.201	417.48	-.04	8.02	.4847	.02336	-.0411	.0010	-.0004	-.0017	.4767	.08762	5.44
35	1.200	417.16	-.04	1.40	.1732	.01766	-.0104	.0004	.0004	-.0010	.1724	.01978	6.20

POINT	ALPHA	CLS0	CUC	CDB	COI	R/FT	TEMP
17	-.04	.0199	.00112	.00210	.0010	2.01	114.9
18	-.04	.0052	.00111	.00210	.0010	2.01	118.9
19	-.04	.0019	.00111	.00210	.0010	2.01	117.0
20	-.05	.0002	.00110	.00210	.0010	2.01	119.0
21	-.03	.0003	.00109	.00210	.0010	2.01	118.9
22	-.02	.0022	.00108	.00210	.0010	2.01	118.9
23	-.06	.0096	.00107	.00210	.0010	2.01	118.9
24	-.18	.0103	.00109	.00210	.0010	2.01	118.9
25	.71	.0200	.00113	.00210	.0010	2.01	118.9
26	1.33	.0271	.00110	.00210	.0010	2.01	119.0
27	2.08	.0390	.00123	.00210	.0010	2.01	119.0
28	2.90	.0552	.00120	.00210	.0010	2.01	119.0
29	3.66	.0741	.00128	.00210	.0010	2.01	119.1
30	4.38	.0937	.00129	.00210	.0010	2.01	119.1
31	5.25	.1195	.00133	.00210	.0010	2.01	119.0
32	6.31	.1591	.00136	.00210	.0010	2.01	119.0
33	7.09	.1879	.00143	.00210	.0010	2.01	119.0
34	8.02	.2272	.00144	.00210	.0010	2.01	119.0
35	1.40	.0298	.00147	.00210	.0010	2.01	114.9

ORIGINAL PAGE IS  
OF POOR QUALITY

TEST 401 RUN 167 MACH .950 CONFIG. 22

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
36	.951	370.18	-.004	-4.09	-.1559	.01077	.0325	.0002	.0003	.0001	-.1539	.01555	-6.02
37	.955	371.61	-.000	-4.58	-.0886	.01284	.0253	.0003	.0003	-.0004	-.0075	.01819	-4.81
38	.951	370.16	-.000	-3.82	-.0560	.01358	.0217	.0003	.0003	-.0006	-.0050	.01558	-3.53
39	.952	370.69	.000	-3.13	-.0248	.01430	.0190	.0003	.0003	-.0007	-.0020	.01393	-1.72
40	.952	370.63	.000	-2.31	-.0111	.01490	.0140	.0004	.0002	-.0006	.0117	.01274	.92
41	.952	371.94	.000	-1.70	.0364	.01527	.0109	.0005	.0002	-.0007	.0369	.01240	2.95
42	.951	370.23	.000	-.99	.0601	.01536	.0074	.0005	.0002	-.0007	.0664	.01257	5.31
43	.948	369.31	.000	-.29	.0948	.01530	.0043	.0005	.0001	-.0007	.0949	.01311	7.24
44	.953	370.99	.000	.47	.1263	.01505	.0007	.0004	.0001	-.0006	.1262	.01438	8.79
45	.952	370.76	.000	1.17	.1535	.01490	-.0027	.0003	.0002	-.0008	.1532	.01532	9.62
46	.952	370.52	.000	1.94	.1903	.01369	-.0063	.0003	.0001	-.0006	.1898	.01657	10.22
47	.951	370.40	.000	2.65	.2186	.01319	-.0096	.0002	.0001	-.0007	.2178	.01758	10.69
48	.952	370.72	.000	3.47	.2624	.01274	-.0147	.0003	.0003	-.0012	.2612	.02092	9.70
49	.952	371.02	.000	4.15	.2967	.01268	-.0188	.0003	.0002	-.0010	.2950	.02322	10
50	.950	369.89	.001	5.09	.3458	.01338	-.0239	.0003	.0001	-.0009	.3432	.02431	10.11
51	.948	369.17	.001	5.86	.3880	.01419	-.0274	.0011	.0000	-.0011	.3845	.02599	7.40
52	.952	370.30	.001	6.86	.4429	.01589	-.0311	.0013	-.0004	-.0012	.4378	.02706	6.53
53	.952	370.73	.000	7.69	.4852	.01739	-.0324	.0017	-.0001	-.0015	.4785	.02898	5.95
54	.951	370.97	.000	8.23	.5125	.01446	-.0334	.0004	.0002	-.0006	.5124	.02627	9.99

POINT	ALPHA	CLS0	CDC	CDB	CDI	R/FT	TEMP
36	-6.09	.0237	.00007	.00070	.0010	2.01	118.0
37	-4.58	.0077	.00004	.00070	.0010	2.01	118.2
38	-3.82	.0030	.00007	.00070	.0010	2.01	118.2
39	-3.13	.0006	.00000	.00070	.0010	2.01	118.5
40	-2.31	.0001	.00000	.00070	.0010	2.01	118.5
41	-1.70	.0014	.00000	.0007	.0010	2.01	118.5
42	-.99	.0044	.00000	.00070	.0010	2.01	118.6
43	-.29	.0090	.00000	.00070	.0010	2.01	118.6
44	.47	.0159	.00007	.00070	.0010	2.01	118.7
45	1.17	.0235	.00003	.00070	.0010	2.01	118.9
46	1.99	.0360	.00002	.00070	.0010	2.01	118.9
47	2.65	.0474	.00000	.00070	.0010	2.01	118.9
48	3.47	.0682	.00000	.00070	.0010	2.01	118.9
49	4.15	.0870	.00000	.00070	.0010	2.01	118.9
50	5.09	.1178	.00000	.00070	.0010	2.01	118.9
51	5.86	.1478	.00000	.00070	.0010	2.01	118.9
52	6.86	.1917	.00000	.00070	.0010	2.01	118.9
53	7.69	.2290	.00000	.00070	.0010	2.01	118.9
54	8.23	.2664	.00000	.00070	.0010	2.01	118.7

TEST 401 RUN 168 MACH .950 CONFIG. 22

POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D
55	.900	357.59	-.000	-6.12	-.1538	.01039	.0302	.0003	.0002	.0002	-.1518	.02492	-6.02
56	.900	357.13	-.000	-4.68	-.0924	.01234	.0243	.0003	.0003	-.0004	-.0071	.01934	-5.05
57	.900	357.13	.000	-3.87	-.0546	.01336	.0203	.0004	.0003	-.0007	-.0056	.01522	-3.52
58	.900	357.41	.000	-3.18	-.0276	.01395	.0174	.0004	.0002	-.0007	-.0026	.01366	-1.95
59	.901	357.75	.000	-2.37	.0096	.01472	.0137	.0005	.0002	-.0007	.0102	.01251	.92
60	.901	357.20	.000	-1.69	.0337	.01497	.0113	.0005	.0002	-.0007	.0341	.01216	2.91
61	.901	357.39	.000	-.96	.0664	.01524	.0079	.0004	.0002	-.0007	.0666	.01233	5.41
62	.900	357.46	.000	-.21	.0956	.01512	.0051	.0005	.0002	-.0006	.0956	.01296	7.39
63	.899	356.96	.000	.47	.1224	.01486	.0027	.0004	.0002	-.0006	.1223	.01422	8.77
64	.900	357.34	.000	1.12	.1451	.01430	.0007	.0005	.0002	-.0006	.1448	.01533	9.65
65	.901	357.58	.000	1.85	.1763	.01350	-.0018	.0005	.0002	-.0006	.1759	.01740	10.11
66	.900	357.22	.000	2.49	.199	.01291	-.0038	.0004	.0002	-.0009	.1990	.01968	10.11
67	.900	357.29	.000	3.34	.2427	.01216	-.0078	.0004	.0003	-.0012	.2419	.02449	9.67
68	.898	356.64	.000	4.07	.2744	.01169	-.0106	.0004	.0003	-.0011	.2727	.02333	9.67
69	.899	356.98	.001	4.94	.3238	.01229	-.0152	.0010	.0001	-.0011	.3215	.02382	9.67
70	.899	357.04	.001	5.65	.3566	.01275	-.0179	.0011	.0001	-.0011	.3536	.02486	7.71
71	.901	357.52	.001	6.65	.4142	.01400	-.0218	.0013	.0000	-.0013	.4098	.02606	6.82
72	.898	356.32	.002	7.51	.4589	.01525	-.0233	.0015	-.0001	-.0015	.4529	.02726	6.18
73	.900	357.36	.000	8.23	.5184	.01414	-.0303	.0004	.0002	-.0007	.5154	.02573	10.04

POINT	ALPHA	CLS0	CDC	CDB	CDI	R/FT	TEMP
55	-6.12	.0230	.00000	.00080	.0010	2.01	118.5
56	-4.68	.0083	.00000	.00080	.0010	2.01	118.6
57	-3.87	.0029	.00000	.00080	.0010	2.01	118.6
58	-3.18	.0007	.00000	.00080	.0010	2.01	118.7
59	-2.37	.0001	.00000	.00080	.0010	2.01	118.7
60	-1.69	.0012	.00000	.00080	.0010	2.01	118.7
61	-.96	.0044	.00000	.00080	.0010	2.01	118.9
62	-.21	.0091	.00000	.00080	.0010	2.01	118.9
63	.47	.0156	.00000	.00080	.0010	2.00	118.9
64	1.12	.0210	.00000	.00080	.0010	2.01	118.9
65	1.85	.0309	.00000	.00080	.0010	2.01	118.9
66	2.49	.0396	.00000	.00080	.0010	2.01	118.9
67	3.34	.0585	.00000	.00080	.0010	2.01	118.9
68	4.07	.0745	.00000	.00080	.0010	2.00	118.7
69	4.94	.0934	.00000	.00080	.0010	2.01	118.7
70	5.65	.1250	.00000	.00080	.0010	2.01	118.7
71	6.65	.1679	.00000	.00080	.0010	2.01	118.7
72	7.51	.2051	.00000	.00080	.0010	2.00	118.7
73	8.23	.2250	.00000	.00080	.0010	2.01	118.7

ORIGINAL PAGE IS OF POOR QUALITY.

TEST 60A													
RUN 169													
MACH .800													
CONFIG. 22													
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CDLL	CYAW	CSIDE	CL	CD	L/D
76	.798	328.55	-.001	-6.06	-.1442	.01051	.0265	.0002	.0603	-.0001	-.1443	.02405	-6.00
75	.799	328.77	-.001	-6.46	-.0799	.01268	.0212	.0003	.0603	-.0004	-.0787	.01706	-6.41
76	.799	328.98	-.001	-3.90	-.0542	.01329	.0190	.0004	.0603	-.0004	-.0532	.01514	-3.51
77	.800	329.52	-.001	-3.17	-.0276	.01389	.0166	.0004	.0603	-.0009	-.0268	.01360	-1.97
78	.799	329.77	-.001	-2.47	.0019	.01454	.0139	.0003	.0602	-.0006	.0025	.01265	.70
79	.799	328.77	-.001	-1.82	.0282	.01497	.0116	.0004	.0602	-.0007	.0297	.01224	2.43
80	.798	328.53	-.001	-1.16	.0538	.01510	.0095	.0004	.0602	-.0008	.0541	.01221	4.43
81	.799	328.71	-.001	-.42	.0841	.01507	.0070	.0003	.0602	-.0009	.0842	.01268	6.64
82	.799	329.05	-.001	.24	.1085	.01482	.0051	.0003	.0602	-.0008	.1085	.01347	8.85
83	.799	328.64	-.001	.92	.1311	.01429	.0034	.0003	.0602	-.0008	.1308	.01458	8.97
84	.799	328.92	.000	1.55	.1550	.01374	.0019	.0003	.0602	-.0008	.1544	.01613	9.59
85	.799	328.91	.000	2.44	.1911	.01257	-.0005	.0003	.0602	-.0010	.1904	.01888	10.08
86	.799	328.64	.000	3.68	.2190	.01190	-.0024	.0003	.0603	-.0011	.2180	.02187	9.97
87	.799	328.64	.000	3.73	.2477	.01136	-.0046	.0004	.0604	-.0013	.2464	.02544	9.61
88	.798	328.57	.000	4.53	.2832	.01095	-.0073	.0007	.0603	-.0012	.2815	.03149	8.94
89	.799	329.05	.001	5.28	.3239	.01141	-.0100	.0010	.0602	-.0012	.3214	.03937	8.16
90	.799	328.98	.001	6.19	.3696	.01203	-.0122	.0011	.0602	-.0015	.3582	.05001	7.32
91	.799	329.05	.001	6.95	.4110	.01281	-.0140	.0013	.0600	-.0014	.4064	.06065	6.70
92	.799	329.06	.000	1.01	.1438	.01427	.0027	.0002	.0602	-.0007	.1436	.01561	9.57

POINT	ALPHA	CLSO	CLL	COB	COI	R/FT	TEMP
76	-6.06	.0004	.0004	.0000	.0010	2.00	118.2
75	-6.46	.0002	.0004	.0000	.0010	2.00	118.2
76	-3.90	.0028	.0004	.0000	.0010	2.00	118.4
77	-3.17	.0007	.0003	.0000	.0010	2.00	118.5
78	-2.47	.0000	.0001	.0000	.0010	2.00	118.5
79	-1.82	.0009	.0004	.0000	.0010	2.60	118.6
80	-1.16	.0029	.0004	.0000	.0010	2.00	118.6
81	-.42	.0071	.0004	.0000	.0010	2.00	118.6
82	.24	.0118	.0004	.0000	.0010	2.00	118.6
83	.92	.0171	.0004	.0000	.0010	2.00	118.7
84	1.55	.0239	.0004	.0000	.0010	2.00	118.7
85	2.44	.0362	.0004	.0000	.0010	2.00	118.7
86	3.68	.0475	.0004	.0000	.0010	2.00	118.7
87	3.73	.0607	.0004	.0000	.0010	2.00	118.7
88	4.53	.0792	.0004	.0000	.0010	2.00	118.7
89	5.28	.1133	.0004	.0000	.0010	2.00	118.9
90	6.19	.1361	.0004	.0000	.0010	2.00	118.7
91	6.95	.1452	.0004	.0000	.0010	2.00	118.7
92	1.01	.0006	.0004	.0000	.0010	2.00	118.7

TEST 60A													
RUN 170													
MACH .800													
CONFIG. 22													
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CDLL	CYAW	CSIDE	CL	CD	L/D
93	.599	263.12	-.000	-5.83	-.1328	.01086	.0227	-.0000	.0602	-.0000	-.1310	.02248	-5.83
94	.599	263.20	-.000	-6.46	-.0753	.01279	.0192	.0003	.0602	-.0004	-.0741	.01681	-6.41
95	.599	262.87	-.000	-3.95	-.0569	.01318	.0179	.0003	.0602	-.0005	-.0559	.01527	-3.66
96	.599	263.03	-.000	-3.25	-.0309	.01376	.0157	.0003	.0602	-.0004	-.0301	.01370	-2.20
97	.600	263.53	-.000	-2.58	-.0022	.01451	.0137	.0003	.0602	-.0008	-.0015	.01279	-1.12
98	.600	263.69	-.000	-1.90	.0247	.01495	.0118	.0004	.0602	-.0007	.0251	.01232	2.04
99	.599	262.96	-.000	-1.33	.0458	.01507	.0103	.0003	.0602	-.0008	.0442	.01221	3.78
100	.600	263.37	-.000	-.70	.0685	.01506	.0088	.0002	.0602	-.0009	.0687	.01242	5.53
101	.599	263.29	-.000	-.68	.0907	.01496	.0073	.0003	.0602	-.0007	.0907	.01303	6.96
102	.599	262.96	-.000	.60	.1136	.01447	.0060	.0002	.0602	-.0008	.1134	.01386	7.18
103	.599	262.96	-.000	1.32	.1423	.01379	.0044	.0003	.0601	-.0005	.1420	.01526	9.30
104	.600	263.94	-.000	1.91	.1615	.01305	.0034	.0002	.0601	-.0008	.1610	.01662	9.69
105	.599	263.28	-.000	2.46	.1819	.01218	.0024	.0003	.0601	-.0006	.1812	.01817	9.97
106	.599	262.88	-.000	3.12	.2051	.01132	.0013	.0003	.0602	-.0009	.2047	.02067	9.88
107	.598	262.14	-.000	3.81	.2353	.01050	-.0006	.0003	.0603	-.0013	.2341	.02432	9.63
108	.599	263.29	-.000	4.48	.2619	.00979	-.0021	.0004	.0604	-.0015	.2595	.02835	9.15
109	.599	263.04	-.000	5.21	.2946	.00925	-.0042	.0009	.0604	-.0015	.2926	.03415	8.57
110	.599	262.96	-.000	5.81	.3232	.00943	-.0055	.0009	.0603	-.0012	.3206	.04031	7.95
111	.599	262.79	-.000	6.66	.3675	.00997	-.0069	.0009	.0602	-.0014	.3639	.05074	7.17
112	.598	262.55	-.000	7.38	.4061	.01047	-.0078	.0012	.0601	-.0016	.4014	.06075	6.61
113	.598	262.39	-.000	8.16	.4447	.01124	-.0080	.0011	-.0001	-.0018	.4386	.07241	6.06
114	.601	264.02	-.000	.62	.1187	.01455	.0057	.0003	.0602	-.0006	.1186	.01403	8.45

POINT	ALPHA	CLSO	CLL	COB	COI	R/FT	TEMP
93	-5.83	.0172	.0004	.0000	.0010	2.00	118.4
94	-6.46	.0055	.0004	.0000	.0010	2.00	118.5
95	-3.95	.0031	.0004	.0000	.0010	2.00	118.5
96	-3.25	.0009	.0004	.0000	.0010	2.00	118.5
97	-2.58	.0005	.0004	.0000	.0010	2.00	118.5
98	-1.90	.0006	.0004	.0000	.0010	2.00	118.5
99	-1.33	.0021	.0004	.0000	.0010	2.00	118.5
100	-.70	.0047	.0004	.0000	.0010	2.00	118.5
101	-.68	.0082	.0004	.0000	.0010	2.00	118.6
102	.60	.0129	.0004	.0000	.0010	2.00	118.6
103	1.32	.0202	.0004	.0000	.0010	2.00	118.6
104	1.91	.0259	.0004	.0000	.0010	2.00	118.6
105	2.46	.0323	.0004	.0000	.0010	2.00	118.6
106	3.12	.0417	.0004	.0000	.0010	2.00	118.6
107	3.81	.0544	.0004	.0000	.0010	2.00	118.6
108	4.48	.0673	.0004	.0000	.0010	2.00	118.7
109	5.21	.0856	.0004	.0000	.0010	2.00	118.7
110	5.81	.1128	.0004	.0000	.0010	2.00	118.7
111	6.66	.1524	.0004	.0000	.0010	2.00	118.7
112	7.38	.1811	.0004	.0000	.0010	2.00	118.9
113	8.16	.1923	.0004	.0000	.0010	2.00	118.9
114	.62	.0141	.0004	.0000	.0010	2.00	118.7



APPENDIX B - TABULATION OF ADDITIONAL DATA

for Configurations With  $W_3$

Configuration		Run Nos. at Mach Numbers of																					
Description	No.	$\delta_{L1}$	$\delta_{L2}$	$\delta_{L3}$	$\delta_{L4}$	$\delta_{L5}$	$\delta_{L6}$	$\delta_{t1}$	$\delta_{t2}$	$\delta_{t3}$	$\delta_s$	$\Delta t_{ip}$	$\delta_h$	$\delta_e$	$\Gamma_{tail}$	$\beta$	1.20	1.00	0.975	0.950	0.925	0.90	0.80
BW3V1V2E	1	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	60	0	0	0	0	4	5	5	1	7	3	8
BW3V1V2E	2	0/0	0/0	0/0	0/0	0/0	10/10	0/0	0/0	0/0	0/0	60	0	0	0	0	10	11	12	13	14	9	15
BW3V1V2E	3	0/0	0/0	0/0	0/0	0/0	20/20	0/0	0/0	0/0	0/0	60	0	0	0	0	16	17	18	19	20	21	22
BW3V1V2E	4	0/0	0/0	0/0	0/0	0/0	20/20	0/0	0/0	0/0	0/0	60	35	0	0	0	27/28	29	30	31	32	33	34
BW3V1V2E	5	0/0	0/0	0/0	0/0	0/0	20/20	0/0	0/0	0/0	0/0	60	0	0	15	0	35	36	37	38	39	40	41
BW3V1V2E	6	0/0	0/0	0/0	0/0	0/0	20/20	5/5	5/5	5/5	0/0	60	0	0	0	0	42	43	44	45	46	47	48
BW3V1E	7	0/0	0/0	0/0	0/0	0/0	20/20	5/5	5/5	5/5	0/0	60	0	0	0	0	53	54	55/60	56/61	57	58/62	59
BW3V1V2E	8	3/3	3/3	3/3	0/0	0/0	20/20	5/5	5/5	5/5	0/0	60	0	0	0	0	63	64	65	66	67	68	69

NASA LANGLEY RESEARCH CENTER 0-FV TPY

SCAT 15-F

TEST 503		RUN 1		MACH .950		CONFIG. 1							
P/INT	H/MF	B	BETA	ALPHA	C <sub>x</sub>	C <sub>A</sub>	C <sub>N</sub>	C <sub>ROLL</sub>	C <sub>YAW</sub>	C <sub>SIDE</sub>	C <sub>L</sub>	C <sub>D</sub>	L/PD
19	4.52	370.38	.00	-5.74	-.1331	.00958	.0362	.0005	.0006	-.0016	-.1316	.02014	-6.53
20	4.63	369.92	.00	-4.35	-.0748	.01075	.0287	.0004	.0005	-.0014	-.0737	.01660	-5.02
21	4.53	365.99	.00	-3.63	-.0427	.01191	.0265	.0003	.0004	-.0014	-.0414	.01290	-3.24
22	4.53	370.68	.01	-2.90	-.0112	.01280	.0197	.0002	.0004	-.0015	-.0106	.01172	-.40
23	4.69	365.30	.01	-2.24	-.0104	.01374	.0154	-.0000	.0002	-.0013	.0170	.01139	1.45
24	4.53	365.57	.01	-1.56	.0443	.01467	.0117	-.0001	.0002	-.0011	.0447	.01156	3.87
25	4.53	365.85	.01	-.98	.0685	.01499	.0085	-.0003	.0002	-.0013	.0699	.01212	5.67
26	4.53	365.96	.02	-.19	.0967	.01515	.0050	-.0004	.0001	-.0013	.0967	.01314	7.36
27	4.53	366.07	.01	.49	.1239	.01524	.0018	-.0005	.0001	-.0012	.1237	.01460	8.67
28	4.53	365.91	.01	1.21	.1533	.01527	-.0017	-.0004	.0001	-.0010	.1529	.01671	9.10
29	4.53	365.57	.01	1.96	.1867	.01552	-.0061	-.0004	.0000	-.0008	.1861	.02020	9.21
30	4.69	365.91	.01	2.71	.2240	.01623	-.0123	-.0005	-.0000	-.0007	.2250	.02519	8.93
31	4.63	365.67	.01	3.46	.2644	.01725	-.0179	-.0008	.0001	-.0008	.2649	.03161	8.31
32	4.53	365.57	.00	4.26	.3074	.01840	-.0228	-.0009	.0004	-.0010	.3052	.03867	7.73
33	4.67	364.53	.00	5.10	.3500	.01985	-.0263	-.0009	.0002	-.0007	.3448	.04917	7.05
34	4.51	370.26	.00	5.98	.3964	.02181	-.0302	-.0010	.0002	-.0010	.3920	.06125	6.40
35	4.53	377.77	.00	6.86	.4401	.02369	-.0319	-.0010	.0003	-.0010	.4341	.07442	5.93
36	4.44	365.28	.00	7.73	.4815	.02557	-.0326	-.0011	.0002	-.0011	.4737	.08944	5.36
37	4.53	365.41	.01	8.75	.5301	.02857	-.0353	-.0011	.0003	-.0015	.5255	.10908	4.96
38	4.69	365.77	.01	1.30	.1639	.01534	-.0026	-.0004	.0001	-.0011	.1635	.01536	6.42
39	4.51	373.77	.01	1.23	.1551	.01532	-.0019	-.0004	.0001	-.0011	.1547	.01654	6.13

P/INT	ALPHA	CL50	CDF	C <sub>M</sub>	C <sub>D1</sub>	R/FT	TEMP
19	-5.74	.0173	.00021	.00073	.0010	2.00	120.1
20	-4.35	.0174	.00020	.00070	.0010	2.00	120.1
21	-3.63	.0117	.00017	.00070	.0010	2.00	120.1
22	-2.90	.0070	.00022	.00070	.0010	2.00	120.1
23	-2.24	.0033	.00093	.00070	.0010	2.00	120.1
24	-1.56	.0017	.00021	.00070	.0010	2.00	120.4
25	-.98	.0007	.00024	.00070	.0010	2.00	120.4
26	-.19	.0004	.00025	.00070	.0010	2.00	120.4
27	.49	.0004	.00026	.00070	.0010	2.00	120.4
28	1.21	.0014	.00026	.00070	.0010	2.00	120.4
29	1.96	.0046	.00024	.00070	.0010	2.00	120.2
30	2.71	.0106	.00030	.00070	.0010	2.00	120.2
31	3.46	.0192	.00031	.00070	.0010	2.00	120.2
32	4.26	.0312	.00034	.00070	.0010	2.00	120.2
33	5.10	.0453	.00035	.00070	.0010	2.00	120.2
34	5.98	.0615	.00034	.00070	.0010	2.00	120.2
35	6.86	.0794	.00044	.00070	.0010	2.00	120.1
36	7.73	.0984	.00049	.00070	.0010	2.00	120.1
37	8.75	.1181	.00049	.00070	.0010	2.00	120.2
38	1.30	.0207	.00031	.00070	.0010	2.00	120.1
39	1.23	.0239	.00026	.00070	.0010	2.00	120.1

TEST 503		RUN 3		MACH .900		CONFIG. 1							
P/INT	H/MF	B	BETA	ALPHA	C <sub>x</sub>	C <sub>A</sub>	C <sub>N</sub>	C <sub>ROLL</sub>	C <sub>YAW</sub>	C <sub>SIDE</sub>	C <sub>L</sub>	C <sub>D</sub>	L/PD
67	4.01	357.60	.00	-5.74	-.1301	.00870	.0387	.0004	.0006	-.0016	-.1285	.01997	-6.47
68	4.03	357.44	.00	-4.26	-.0765	.01099	.0255	.0004	.0004	-.0014	-.0644	.01417	-4.63
69	4.03	357.57	.00	-3.64	-.0416	.01195	.0233	.0003	.0005	-.0014	-.0407	.01276	-3.19
70	4.01	357.91	.00	-2.92	-.0102	.01302	.0191	.0002	.0003	-.0013	-.0096	.01173	-.42
71	4.03	357.77	.01	-2.24	-.0150	.01374	.0154	.0000	.0003	-.0014	.0155	.01134	1.37
72	4.01	357.76	.01	-1.51	.0435	.01446	.0119	-.0001	.0002	-.0012	.0439	.01150	3.82
73	4.01	357.84	.01	-.90	.0673	.01484	.0092	-.0003	.0002	-.0014	.0676	.01159	5.64
74	4.03	357.65	.01	-.20	.0903	.01504	.0067	-.0004	.0002	-.0014	.0903	.01293	6.99
75	4.03	357.72	.01	.43	.1191	.01509	.0038	-.0005	.0002	-.0014	.1179	.01429	8.25
76	4.03	357.67	.01	1.17	.1448	.01510	.0011	-.0005	.0002	-.0013	.1445	.01626	8.90
77	4.03	357.71	.01	1.95	.1803	.01523	-.0010	-.0003	.0001	-.0012	.1797	.01901	9.18
80	4.03	357.71	.01	2.65	.2146	.01589	-.0041	-.0005	.0000	-.0008	.2134	.02397	8.11
81	4.03	357.67	.01	3.38	.2505	.01658	-.0073	-.0006	.0002	-.0011	.2491	.02950	6.44
82	4.03	357.69	.00	4.13	.2912	.01766	-.0107	-.0009	.0004	-.0012	.2891	.03797	7.80
83	4.03	357.59	.00	5.01	.3332	.01894	-.0149	-.0009	.0003	-.0009	.3303	.04616	7.14
84	4.03	357.69	.00	5.83	.3740	.02066	-.0201	-.0009	.0003	-.0010	.3700	.05657	6.54
85	4.03	357.65	.00	6.70	.4171	.02219	-.0269	-.0009	.0003	-.0014	.4116	.06881	5.97
86	4.03	357.54	.00	7.54	.4576	.02386	-.0336	-.0011	.0003	-.0012	.4505	.08190	5.40
87	4.03	357.72	.01	8.51	.5064	.02616	-.0419	-.0011	.0002	-.0014	.4980	.09902	5.02
88	4.03	357.67	.01	9.34	.5518	.02854	-.0497	-.0012	.0003	-.0017	.5394	.11599	4.65
89	4.03	357.77	.00	-5.73	-.1312	.00870	.0338	.0005	.0006	-.0019	-.1297	.01955	-6.40

P/INT	ALPHA	CL50	CDF	C <sub>M</sub>	C <sub>D1</sub>	R/FT	TEMP
67	-5.74	.0165	.00027	.00080	.0010	1.99	123.2
68	-4.26	.0094	.00029	.00080	.0010	1.99	121.6
69	-3.64	.0017	.00027	.00080	.0010	2.00	121.1
70	-2.92	.0001	.00024	.00080	.0010	2.00	120.8
71	-2.24	.0007	.00031	.00080	.0010	2.00	120.4
72	-1.51	.0019	.00032	.00080	.0010	2.00	120.1
73	-.90	.0046	.00033	.00080	.0010	2.00	120.1
74	-.20	.0082	.00034	.00080	.0010	2.00	120.1
75	.43	.0139	.00034	.00080	.0010	2.00	120.1
76	1.17	.0209	.00035	.00080	.0010	2.00	120.1
77	1.95	.0313	.00034	.00080	.0010	2.00	120.0
80	2.65	.0456	.00037	.00080	.0010	2.00	120.0
81	3.38	.0621	.00039	.00080	.0010	2.00	120.0
82	4.13	.0816	.00042	.00080	.0010	2.00	120.1
83	5.01	.1091	.00044	.00080	.0010	2.00	120.1
84	5.83	.1365	.00046	.00080	.0010	2.00	120.1
85	6.70	.1694	.00053	.00080	.0010	2.00	120.0
86	7.54	.2030	.00054	.00080	.0010	2.00	119.9
87	8.51	.2469	.00057	.00080	.0010	2.00	120.1
88	9.34	.2914	.00058	.00080	.0010	2.00	120.1
89	-5.73	.0164	.00027	.00080	.0010	2.00	120.1

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		TEST 503		RUN 4		MACH 1.200		CONFIG. 1					
POINT	TIME	Ø	PETA	ALPHA	CM	CA	CC	CROLL	CYAW	CSIDE	CL	CD	L/D
60	1.200	417.53	.00	-5.62	-.1196	.01139	.0362	.0004	.0000	-.0024	-.1177	.01992	-5.01
61	1.203	417.59	.01	-6.25	-.0832	.01361	.0274	.0003	.0007	-.0023	-.0619	.01514	-4.09
62	1.200	417.64	.01	-5.30	-.0204	.01483	.0221	.0003	.0000	-.0020	-.0242	.01355	-2.15
63	1.201	417.64	.01	-2.79	-.0006	.01582	.0170	.0002	.0005	-.0020	.0002	.01273	.01
64	1.201	417.71	.01	-2.11	.0261	.01668	.0124	-.0000	.0004	-.0021	.0267	.01761	2.12
65	1.201	417.71	.01	-1.41	.0535	.01735	.0079	-.0002	.0003	-.0018	.0534	.01293	4.14
66	1.203	417.63	.01	-.73	.0789	.01704	.0040	-.0003	.0003	-.0019	.0791	.01373	5.76
67	1.203	417.63	.01	-.02	.1077	.01824	-.0006	-.0000	.0004	-.0020	.1077	.01510	7.13
68	1.200	417.63	.01	.69	.1369	.01951	-.0052	-.0004	.0004	-.0020	.1367	.01705	8.07
69	1.200	417.63	.01	1.34	.1662	.01974	-.0101	-.0003	.0004	-.0014	.1657	.01964	9.43
107	1.203	417.63	.01	2.11	.1995	.01929	-.0154	-.0003	.0002	-.0014	.1989	.02351	10.45
101	1.200	417.66	.01	2.48	.2378	.02027	-.0219	-.0000	-.0001	-.0008	.2363	.02909	11.12
102	1.200	417.63	.01	3.44	.2755	.02144	-.0272	-.0007	-.0001	-.0010	.2735	.03547	7.40
103	1.200	417.63	.01	4.50	.3160	.02293	-.0340	-.0007	-.0000	-.0009	.3132	.04456	7.03
104	1.200	417.63	.01	5.35	.3564	.02452	-.0436	-.0008	-.0000	-.0009	.3525	.05455	6.44
105	1.200	417.64	.01	6.19	.3941	.02612	-.0557	-.0009	-.0000	-.0010	.3890	.06555	5.95
106	1.200	417.60	.01	7.05	.4329	.02796	-.0616	-.0010	.0000	-.0012	.4292	.07782	5.48
107	1.200	417.56	.01	7.94	.4746	.03006	-.0662	-.0012	.0002	-.0017	.4699	.09224	5.05
108	1.200	417.63	.01	8.19	.4879	.03076	-.0652	-.0012	.0002	-.0017	.4704	.09487	4.94
109	1.201	417.71	.00	-5.66	-.1223	.01128	.0368	.0004	.0007	-.0021	-.1206	.02010	-5.57

POINT	ALPHA	CLS0	CDC	CM	COI	Q/FT	TEMP
60	-5.62	.0139	.00111	.00210	.0010	2.00	121.4
61	-6.25	.0754	.00114	.00210	.0010	2.00	120.7
62	-5.30	.0009	.00116	.00210	.0010	2.00	120.4
63	-2.79	.5309	.00119	.00210	.0010	2.00	120.4
64	-2.11	.0997	.00118	.00210	.0010	2.00	120.4
65	-1.41	.0329	.00119	.00210	.0010	2.00	120.2
66	-.73	.0963	.00119	.00210	.0010	2.00	120.1
67	-.02	.0116	.00120	.00210	.0010	2.00	120.0
68	.69	.0147	.00123	.00210	.0010	2.00	119.9
69	1.34	.0274	.00126	.00210	.0010	2.00	119.9
100	2.11	.0394	.00130	.00210	.0010	2.00	120.1
101	2.48	.0953	.00131	.00210	.0010	2.00	120.1
102	3.44	.0744	.00132	.00210	.0010	2.00	120.1
103	4.50	.0491	.00133	.00210	.0010	2.00	120.1
104	5.35	.1743	.00135	.00210	.0010	2.00	120.1
105	6.19	.1513	.00137	.00210	.0010	2.00	120.0
106	7.05	.1225	.00140	.00210	.0010	2.00	120.1
107	7.94	.2171	.00144	.00210	.0010	2.00	120.1
108	8.19	.2249	.00150	.00210	.0010	2.00	120.1
109	-5.66	.0146	.00112	.00210	.0010	2.00	120.1

		TEST 503		RUN 5		MACH 1.200		CONFIG. 1					
POINT	TIME	Ø	PETA	ALPHA	CM	CA	CC	CROLL	CYAW	CSIDE	CL	CD	L/D
110	1.999	340.42	.00	-5.71	-.1337	.01031	.0391	.0004	.0007	-.0021	-.1320	.02144	-6.15
111	1.001	341.50	.01	-4.24	-.0677	.01278	.0289	.0004	.0006	-.0021	-.0645	.01944	-6.25
112	1.999	340.59	.01	-3.53	-.0379	.01343	.0245	.0004	.0005	-.0019	-.0370	.01364	-2.71
113	1.999	340.74	.01	-2.86	-.0093	.01442	.0197	.0004	.0004	-.0017	-.0086	.01277	-.67
114	1.999	340.40	.01	-2.14	.0204	.01545	.0147	.0003	.0003	-.0018	.0210	.01256	1.67
115	1.003	340.47	.01	-1.55	.0437	.01602	.0112	.0001	.0003	-.0018	.0441	.01274	3.44
116	1.999	340.90	.01	-.72	.0716	.01655	.0072	-.0000	.0003	-.0017	.0714	.01343	5.35
117	1.003	341.03	.01	-1.10	.1012	.01684	.0032	-.0002	.0003	-.0017	.1012	.01456	6.95
118	1.000	340.47	.01	.62	.1309	.01701	-.0000	-.0002	.0002	-.0013	.1307	.01632	4.01
119	1.000	340.47	.01	1.29	.1599	.01707	-.0004	-.0003	.0002	-.0015	.1584	.01911	9.56
120	1.999	340.80	.04	2.05	.1934	.01734	-.0004	-.0003	.0001	-.0011	.1931	.02209	6.74
121	1.999	340.77	.01	2.78	.2316	.01805	-.0152	-.0005	-.0001	-.0009	.2304	.02714	8.48
122	1.999	340.77	.01	3.61	.2730	.01927	-.0207	-.0009	-.0002	-.0012	.2712	.03431	7.41
123	1.999	340.44	.01	4.35	.3123	.02030	-.0255	-.0009	.0003	-.0012	.3099	.04195	7.40
124	1.999	340.72	.01	5.20	.3570	.02217	-.0301	-.0010	.0001	-.0010	.3535	.05234	6.75
125	1.000	341.00	.01	6.05	.3981	.02370	-.0330	-.0010	.0001	-.0010	.3933	.06347	6.20
126	1.999	340.41	.01	6.88	.4402	.02534	-.0355	-.0010	.0001	-.0009	.4348	.07547	5.72
127	1.999	341.10	.01	7.81	.4852	.02785	-.0378	-.0012	.0001	-.0011	.4769	.09141	5.22
128	1.001	341.32	.01	8.69	.5275	.03004	-.0396	-.0012	.0002	-.0013	.4649	.10732	4.72
129	1.999	340.61	.00	-5.71	-.1320	.01024	.0377	.0007	.0007	-.0022	-.1304	.02122	-6.14

POINT	ALPHA	CLS0	CDC	CM	COI	Q/FT	TEMP
110	-5.71	.0174	-.00010	.00110	.0010	2.00	119.9
111	-4.24	.0044	-.00011	.00110	.0010	2.00	119.9
112	-3.53	.0014	-.00006	.00110	.0010	2.00	120.1
113	-2.86	.0001	-.00007	.00110	.0010	2.00	120.1
114	-2.14	.0004	-.00007	.00110	.0010	2.00	120.1
115	-1.55	.0019	-.00006	.00110	.0010	2.00	120.1
116	-.72	.0052	-.00005	.00110	.0010	2.00	120.1
117	-1.10	.0102	-.00004	.00110	.0010	2.00	120.1
119	.62	.0171	-.00004	.00110	.0010	2.00	120.1
119	1.29	.0251	-.00003	.00110	.0010	2.00	120.0
120	2.03	.0373	-.00002	.00110	.0010	2.00	120.1
121	2.78	.0531	.00000	.00110	.0010	2.00	120.1
122	3.61	.0736	.00002	.00110	.0010	2.00	120.1
123	4.35	.0960	.00007	.00110	.0010	2.00	120.0
124	5.20	.1250	.00007	.00110	.0010	2.00	120.1
125	6.05	.1547	.00011	.00110	.0010	2.00	120.1
126	6.88	.1884	.00017	.00110	.0010	2.00	120.1
127	7.81	.2275	.00022	.00110	.0010	2.00	120.4
128	8.69	.2672	.00033	.00110	.0010	2.00	120.4
129	-5.71	.0170	-.00007	.00110	.0010	2.00	119.9

TEST 503 RUN 6 MACH .975 CONFIG. 1

POINT	MINF	0	BETA	ALPHA	CM	CA	CB	CROLL	CVAM	CSIDE	CL	CO	L/D
130	.975	375.14	.00	-5.72	-.1330	.00910	.0370	.0005	.0007	-.0020	-.1322	.02076	-6.37
131	.975	375.19	.01	-6.27	-.0702	.01125	.0291	.0005	.0005	-.0021	-.0691	.01476	-6.60
132	.975	375.77	.01	-3.51	-.0357	.01239	.0239	.0004	.0004	-.0019	-.0349	.01206	-2.72
133	.975	376.05	.01	-2.09	-.0096	.01326	.0166	.0003	.0003	-.0014	-.0060	.01201	-7.76
134	.975	376.04	.01	-2.18	.0207	.01413	.0167	.0003	.0003	-.0016	-.0213	.01163	1.83
135	.975	376.04	.01	-1.50	.0490	.01404	.0105	-.0002	.0001	-.0015	-.0404	.01105	6.16
136	.975	376.04	.01	-.03	.0720	.01322	.0172	-.0003	.0001	-.0014	-.0730	.01266	5.06
137	.975	376.04	.01	-.13	.1000	.01549	.0036	-.0004	.0001	-.0015	-.1000	.01356	7.30
138	.975	376.04	.01	.59	.1200	.01561	-.0000	-.0005	.0001	-.0014	-.1205	.01521	6.65
139	.975	376.04	.01	1.27	.1503	.01568	-.0030	-.0004	.0001	-.0014	-.1579	.01740	9.04
140	.975	376.02	.01	1.87	.1837	.01600	-.0090	-.0004	.0001	-.0014	-.1930	.02109	9.15
141	.975	375.10	.01	2.75	.2119	.01606	-.0152	-.0004	-.0002	-.0000	-.2300	.02626	6.70
142	.975	375.30	.01	3.55	.2720	.01705	-.0276	-.0009	.0001	-.0011	-.2713	.03311	6.10
143	.975	376.67	.00	4.32	.3131	.01920	-.0249	-.0010	.0003	-.0013	-.3100	.04105	7.57
144	.975	375.14	.01	5.20	.3600	.02100	-.0300	-.0011	.0002	-.0012	-.3567	.05191	6.87
145	.975	376.61	.01	6.03	.4010	.02272	-.0328	-.0010	.0002	-.0011	-.3966	.06305	6.29
146	.975	376.42	.01	6.92	.4445	.02461	-.0367	-.0010	.0001	-.0010	-.4383	.07620	5.75
147	.975	376.35	.01	7.80	.4877	.02647	-.0399	-.0010	.0002	-.0013	-.4795	.09090	5.20
148	.975	375.19	.01	8.75	.5337	.02927	-.0376	-.0012	.0004	-.0010	-.5230	.10839	4.93
149	.975	375.10	.01	9.99	.5860	.03209	-.0370	-.0012	.0004	-.0010	-.5366	.13112	4.73
150	.975	375.45	.00	-5.73	-.1333	.00919	.0377	.0005	.0006	-.0020	-.1310	.02075	-6.35

POINT	ALPHA	CLSO	CDL	CDR	CDI	R/FT	TEMP
130	-5.72	.0175	.00004	.00070	.0010	2.00	120.0
131	-6.27	.0046	.00010	.00070	.0010	2.00	120.1
132	-3.51	.0012	.00010	.00070	.0010	2.00	120.1
133	-2.09	.0001	.00011	.00070	.0010	2.00	120.1
134	-2.18	.0005	.00012	.00070	.0010	2.00	120.1
135	-1.50	.0024	.00013	.00070	.0010	2.00	120.1
136	-.03	.0053	.00013	.00070	.0010	2.00	120.1
137	-.13	.0100	.00014	.00070	.0010	2.00	120.1
138	.59	.0165	.00015	.00070	.0010	2.00	120.2
139	1.27	.0249	.00016	.00070	.0010	2.00	120.2
140	2.01	.0373	.00017	.00070	.0010	2.00	120.1
141	2.75	.0533	.00017	.00070	.0010	2.00	120.0
142	3.55	.0736	.00020	.00070	.0010	2.00	120.0
143	4.32	.0966	.00024	.00070	.0010	2.00	120.0
144	5.20	.1272	.00025	.00070	.0010	2.00	120.0
145	6.03	.1572	.00029	.00070	.0010	2.00	120.1
146	6.92	.1921	.00033	.00070	.0010	2.00	120.1
147	7.80	.2299	.00039	.00070	.0010	2.00	120.1
148	8.75	.2736	.00037	.00070	.0010	2.00	120.1
149	9.99	.2954	.00039	.00070	.0010	2.00	120.1
150	-5.73	.0174	.00008	.00070	.0010	2.00	120.0

TEST 503 RUN 7 MACH .925 CONFIG. 1

POINT	MINF	0	BETA	ALPHA	CM	CA	CB	CROLL	CVAM	CSIDE	CL	CO	L/D
151	.925	363.92	.00	-5.77	-.1319	.00875	.0367	.0006	.0006	-.0021	-.1303	.02016	-6.66
152	.925	363.91	.01	-6.30	-.0706	.01105	.0275	.0004	.0005	-.0022	-.0696	.01452	-6.79
153	.925	363.74	.01	-3.62	-.0415	.01205	.0237	.0003	.0004	-.0019	-.0407	.01285	-3.17
154	.925	364.03	.01	-2.40	-.0113	.01306	.0196	.0002	.0004	-.0019	-.0106	.01191	-.90
155	.925	364.43	.01	-2.22	.0164	.01385	.0154	.0000	.0003	-.0010	-.0170	.01141	1.69
156	.925	363.70	.01	-1.53	.0441	.01459	.0115	-.0001	.0002	-.0016	-.0445	.01161	3.83
157	.925	364.09	.01	-.96	.0694	.01500	.0080	-.0003	.0002	-.0015	-.0686	.01210	5.63
158	.925	364.20	.01	-.17	.0954	.01519	.0050	-.0004	.0002	-.0017	-.0953	.01310	7.29
159	.925	364.27	.01	.49	.1209	.01520	.0030	-.0005	.0002	-.0019	-.1207	.01451	8.32
160	.925	364.32	.01	1.24	.1520	.01527	-.0005	-.0006	.0001	-.0016	-.1526	.01670	9.08
161	.925	363.97	.01	1.94	.1820	.01540	-.0041	-.0004	.0001	-.0012	-.1822	.01980	9.17
162	.925	363.47	.01	2.69	.2212	.01616	-.0099	-.0005	-.0000	-.0010	-.2202	.02471	9.91
163	.925	363.32	.01	3.46	.2604	.01704	-.0151	-.0007	.0002	-.0015	-.2599	.03096	8.37
164	.925	363.04	.00	4.23	.2995	.01798	-.0199	-.0009	.0004	-.0012	-.2964	.03814	7.77
165	.925	363.61	.00	5.09	.3427	.01950	-.0229	-.0010	.0003	-.0012	-.3396	.04600	7.08
166	.925	363.40	.01	5.95	.3857	.02111	-.0251	-.0009	.0002	-.0011	-.3814	.05516	6.65
167	.925	363.41	.01	6.82	.4300	.02305	-.0268	-.0010	.0003	-.0014	-.4262	.07214	5.88
168	.925	363.88	.01	7.69	.4719	.02468	-.0281	-.0010	.0003	-.0015	-.4644	.08596	5.40
169	.925	363.36	.01	8.62	.5185	.02714	-.0296	-.0011	.0002	-.0016	-.5086	.10278	4.95
170	.925	363.57	.01	9.66	.5657	.02975	-.0337	-.0012	.0001	-.0017	-.5531	.12957	4.59
171	.925	363.50	.01	-5.73	-.1321	.00875	.0367	.0006	.0006	-.0023	-.1305	.02008	-6.50

POINT	ALPHA	CLSO	CDL	CDR	CDI	R/FT	TEMP
151	-5.77	.0170	.00022	.00080	.0010	2.00	119.0
152	-6.30	.0049	.00023	.00080	.0010	2.00	120.1
153	-3.62	.0017	.00023	.00080	.0010	2.00	120.1
154	-2.40	.0001	.00024	.00080	.0010	2.00	120.1
155	-2.22	.0003	.00027	.00080	.0010	2.00	120.2
156	-1.53	.0020	.00027	.00080	.0010	2.00	120.2
157	-.96	.0347	.00026	.00080	.0010	2.00	120.0
158	-.17	.0691	.00029	.00080	.0010	2.00	120.0
159	.49	.1046	.00029	.00080	.0010	2.00	120.0
160	1.24	.1432	.00030	.00080	.0010	2.00	120.0
161	1.94	.1832	.00031	.00080	.0010	2.00	120.1
162	2.69	.2245	.00033	.00080	.0010	2.00	120.1
163	3.46	.2670	.00034	.00080	.0010	2.00	120.1
164	4.23	.3109	.00040	.00080	.0010	2.00	120.0
165	5.09	.3563	.00040	.00080	.0010	2.00	120.1
166	5.95	.4033	.00045	.00080	.0010	2.00	120.1
167	6.82	.4519	.00046	.00080	.0010	2.00	120.0
168	7.69	.5019	.00051	.00080	.0010	2.00	120.0
169	8.62	.5531	.00054	.00080	.0010	2.00	120.0
170	9.66	.6059	.00055	.00080	.0010	2.00	120.1
171	-5.73	.0170	.00023	.00080	.0010	2.00	120.1

ORIGINAL PAGE IS OF POOR QUALITY

VFST 503		RUM 0		MACH .000			CONFIG. 1							
		BETA	ALPHA	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
172	.402	32.97	.01	-5.70	-.1260	.00889	.0308	.0004	.0006	-.0022	-.1205	.01936	-6.37	
173	.401	330.05	.01	-6.31	-.0682	.01116	.0291	.0003	.0005	-.0023	-.0671	.01445	-4.65	
174	.703	32.36	.01	-6.61	-.0375	.01216	.0217	.0001	.0005	-.0020	-.0366	.01269	-2.88	
175	.902	33.05	.01	-2.97	-.0163	.01289	.0192	.0000	.0004	-.0020	-.0196	.01192	-1.34	
176	.403	330.11	.01	-2.24	.0133	.01379	.0155	-.0000	.0003	-.0019	.0139	.01145	1.21	
177	.703	32.91	.01	-1.61	.0367	.01441	.0129	-.0002	.0002	-.0018	.0371	.01156	3.21	
178	.703	32.37	.01	-.97	.0610	.01482	.0105	-.0003	.0005	-.0019	.0612	.01199	5.11	
179	.401	330.52	.01	-.30	.0446	.01498	.0081	-.0004	.0002	-.0017	.0447	.01274	6.65	
180	.401	330.24	.01	.33	.1074	.01503	.0061	-.0004	.0002	-.0017	.1073	.01304	7.75	
181	.403	330.10	.01	1.07	.1372	.01492	.0034	-.0005	.0001	-.0014	.1369	.01368	8.74	
182	.400	32.70	.01	1.75	.1647	.01499	.0013	-.0005	.0001	-.0015	.1642	.01421	9.02	
183	.703	32.36	.01	2.41	.1932	.01520	-.0025	-.0004	.0000	-.0013	.1924	.02160	8.91	
184	.703	32.31	.01	3.13	.2200	.01545	-.0055	-.0007	.0001	-.0012	.2200	.02648	8.97	
185	.703	32.50	.00	3.89	.2468	.01644	-.0099	-.0008	.0004	-.0015	.2462	.03206	8.04	
186	.703	32.63	.00	4.64	.3035	.01780	-.0129	-.0008	.0005	-.0013	.3010	.04048	7.44	
187	.703	32.63	.00	5.45	.3404	.01871	-.0168	-.0009	.0004	-.0011	.3371	.04918	6.65	
188	.403	32.04	.00	6.20	.3829	.02024	-.0204	-.0009	.0003	-.0011	.3794	.06022	6.24	
189	.403	32.70	.01	7.00	.4193	.02194	-.0217	-.0010	.0003	-.0017	.4134	.07119	5.81	
190	.703	32.56	.01	7.93	.4610	.02311	-.0218	-.0010	.0003	-.0016	.4534	.08468	5.35	
191	.703	32.56	.01	8.78	.5055	.02500	-.0293	-.0011	.0001	-.0013	.4959	.10007	4.95	
192	.403	32.70	.01	9.54	.5473	.02715	-.0327	-.0012	.0001	-.0011	.5352	.11798	4.62	
193	.703	32.56	.00	-5.72	-.1268	.00890	.0310	.0004	.0006	-.0020	-.1253	.01970	-6.36	

P3147	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TFMP
172	-5.70	.2155	.00032	.00080	.0010	2.00	119.6
173	-6.31	.0045	.00032	.00080	.0010	2.00	119.7
174	-3.61	.0013	.00019	.00040	.0010	2.00	120.0
175	-2.97	.3302	.00033	.00040	.0010	2.00	120.1
176	-2.24	.0332	.00036	.00080	.0010	2.00	120.1
177	-1.61	.0014	.00036	.00040	.0010	2.00	120.1
178	-.97	.0037	.00036	.00040	.0010	2.00	120.0
179	-.30	.0072	.00038	.00080	.0010	2.00	120.0
180	.33	.0115	.00039	.00080	.0010	2.00	120.0
181	1.07	.0149	.00039	.00080	.0010	2.00	120.0
182	1.75	.0270	.00040	.00080	.0010	2.00	120.0
183	2.41	.0370	.00041	.00080	.0010	2.00	120.1
184	3.13	.0515	.00042	.00080	.0010	2.00	120.1
185	3.89	.0689	.00043	.00080	.0010	2.00	120.0
186	4.64	.0936	.00045	.00080	.0010	2.00	120.0
187	5.45	.1136	.00046	.00080	.0010	2.00	120.1
188	6.20	.1432	.00048	.00080	.0010	2.00	120.1
189	7.00	.1779	.00049	.00080	.0010	2.00	120.1
190	7.93	.2056	.00046	.00080	.0010	2.00	120.1
191	8.78	.2454	.00050	.00080	.0010	2.00	120.1
192	9.54	.2905	.00054	.00080	.0010	2.00	120.1
193	-5.72	.2157	.00031	.00080	.0010	2.00	119.9

VFST 503		RUM 0		MACH .000			CONFIG. 2							
		BETA	ALPHA	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK
196	.403	357.23	.00	-5.67	-.1314	.00937	.0347	.0000	.0009	-.0022	-.1290	.02051	-6.33	
197	.403	357.63	.00	-4.28	-.0719	.01132	.0282	.0005	.0006	-.0018	-.0709	.01506	-4.71	
198	.402	356.19	.00	-3.56	-.0423	.01237	.0245	.0003	.0005	-.0016	-.0415	.01330	-3.10	
199	.401	357.07	.00	-2.04	-.0124	.01340	.0203	.0002	.0004	-.0014	-.0117	.01220	-.96	
200	.402	356.10	.00	-2.10	.0162	.01414	.0163	.0001	.0004	-.0014	.0160	.01171	1.43	
201	.402	357.52	.00	-1.54	.0397	.01458	.0132	-.0000	.0003	-.0012	.0400	.01171	3.2	
202	.403	357.27	.01	-.01	.0670	.01498	.0095	-.0001	.0003	-.0013	.0672	.01223	0	
203	.403	357.51	.01	-.13	.0951	.01515	.0062	-.0003	.0003	-.0014	.0952	.01314	1.24	
204	.403	357.45	.01	.55	.1194	.01507	.0034	-.0004	.0003	-.0014	.1193	.01441	4.20	
205	.403	357.54	.00	1.27	.1483	.01497	.0008	-.0005	.0003	-.0014	.1479	.01645	8.99	
206	.401	357.87	.00	1.95	.1777	.01497	-.0024	-.0006	.0004	-.0013	.1771	.01921	9.22	
207	.403	357.29	.00	2.70	.2120	.01514	-.0060	-.0009	.0003	-.0009	.2110	.02331	9.05	
208	.403	357.51	.00	3.44	.2515	.01547	-.0100	-.0008	.0004	-.0011	.2501	.02915	4.58	
209	.403	357.41	.00	4.30	.2927	.01603	-.0138	-.0008	.0004	-.0010	.2906	.03691	7.07	
210	.403	357.59	.00	5.17	.3394	.01622	-.0180	-.0008	.0005	-.0013	.3324	.04628	7.18	
211	.403	357.10	.00	5.41	.3750	.01944	-.0214	-.0008	.0005	-.0012	.3710	.05614	6.61	
212	.401	357.76	-.00	6.79	.4189	.02113	-.0234	-.0009	.0006	-.0014	.4134	.06769	6.02	
213	.403	357.34	.00	7.65	.4608	.02293	-.0268	-.0011	.0006	-.0014	.4537	.08228	5.51	
214	.403	357.45	.00	8.56	.5067	.02513	-.0294	-.0011	.0005	-.0015	.4973	.09946	5.05	
215	.403	357.40	.01	9.41	.5554	.02759	-.0304	-.0011	.0005	-.0020	.5434	.11624	4.67	
216	.403	357.52	.00	-5.63	-.1291	.00951	.0347	.0007	.0007	-.0020	-.1275	.02033	-6.27	

P3147	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TFMP
196	-5.67	.0169	.00027	.00080	.0010	1.99	122.9
197	-4.28	.0053	.00028	.00080	.0010	2.00	121.3
198	-3.56	.0017	.00027	.00080	.0010	2.00	121.0
199	-2.04	.0001	.00031	.00080	.0010	2.00	120.9
200	-2.10	.0003	.00031	.00080	.0010	2.00	120.7
201	-1.54	.0016	.00032	.00080	.0010	2.00	120.9
202	-.01	.0049	.00033	.00080	.0010	2.00	120.5
203	-.13	.0091	.00034	.00080	.0010	2.00	120.2
204	.55	.0162	.00035	.00080	.0010	2.00	120.1
205	1.27	.0219	.00035	.00080	.0010	2.00	120.0
206	1.95	.0316	.00036	.00080	.0010	2.00	120.0
207	2.70	.0445	.00038	.00080	.0010	2.00	120.0
208	3.44	.0625	.00041	.00080	.0010	2.00	120.1
209	4.30	.0844	.00041	.00080	.0010	2.00	120.1
210	5.17	.1105	.00044	.00080	.0010	2.00	120.2
211	5.91	.1376	.00047	.00080	.0010	2.00	120.2
212	6.79	.1709	.00050	.00080	.0010	2.00	120.2
213	7.65	.2058	.00054	.00080	.0010	2.00	120.1
214	8.56	.2473	.00056	.00080	.0010	2.00	120.0
215	9.41	.2953	.00059	.00080	.0010	2.00	120.0
216	-5.63	.0163	.00027	.00080	.0010	2.00	120.0

TEST 503 RUN 10 MACH 1.200 CONFIG. 2

POINT	WIND	Q	BETA	ALPHA	CN	CA	CH	CRULL	CVAN	CSIDE	CL	CD	L/D
217	1.202	417.44	.00	-5.53	-.1167	.01214	.0367	.0005	.0007	-.0021	-.1150	.02023	-5.60
218	1.200	417.45	.01	-4.11	-.0501	.01533	.0274	.0003	.0004	-.0020	-.0940	.00350	-3.70
219	1.201	417.50	.01	-3.39	-.0272	.01543	.0224	.0002	.0005	-.0020	-.0262	.01391	-1.00
220	1.201	417.53	.01	-2.78	-.0020	.01619	.0182	.0002	.0005	-.0019	-.0012	.01316	-.00
221	1.200	417.30	.01	-2.03	.0270	.01700	.0129	.0001	.0005	-.0020	.0205	.00290	2.21
222	1.200	417.28	.03	-1.37	.0531	.01750	.0086	-.0001	.0004	-.0049	.0535	.01320	4.05
223	1.201	417.50	.01	-.65	.0824	.01804	.0037	-.0002	.0004	-.0018	.0826	.01403	5.00
224	1.204	417.50	.01	.04	.1102	.01838	-.0009	-.0003	.0005	-.0020	.1102	.01543	7.14
225	1.201	417.56	.01	.73	.1370	.01854	-.0051	-.0003	.0005	-.0019	.1369	.01719	7.46
226	1.204	417.50	.01	1.44	.1679	.01869	-.0101	-.0005	.0005	-.0049	.1674	.01990	8.43
227	1.201	417.50	.01	2.19	.2016	.01917	-.0157	-.0005	.0005	-.0017	.2007	.02173	9.46
228	1.204	417.50	.00	2.99	.2400	.02005	-.0210	-.0007	.0004	-.0014	.2394	.02947	10.12
229	1.203	417.42	.01	3.76	.2791	.02111	-.0270	-.0007	.0004	-.0015	.2771	.03626	7.64
230	1.200	417.40	.00	4.60	.3183	.02230	-.0313	-.0007	.0003	-.0012	.3155	.04472	7.05
231	1.200	417.47	.01	5.45	.3576	.02304	-.0368	-.0009	.0002	-.0010	.3537	.05461	6.40
232	1.200	417.32	.01	6.29	.3956	.02335	-.0379	-.0009	.0002	-.0012	.3904	.06543	5.07
233	1.203	417.36	.01	7.14	.4340	.02712	-.0409	-.0010	.0002	-.0013	.4293	.07801	5.30
234	1.190	417.33	.01	8.03	.4731	.02934	-.0437	-.0012	.0004	-.0019	.4693	.09273	5.06
235	1.200	417.30	.01	8.36	.4923	.03009	-.0447	-.0012	.0004	-.0020	.4827	.09925	4.41
236	1.203	417.31	.00	-5.53	-.1167	.01202	.0372	.0005	.0007	-.0022	-.1180	.02051	-5.75

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/FT	TEMP
217	-5.53	.0132	.00113	.00210	.0010	2.00	121.4
218	-4.11	.0032	.00117	.00210	.0010	2.00	121.0
219	-3.39	.0007	.00117	.00210	.0010	2.00	120.9
220	-2.78	.0000	.00117	.00210	.0010	2.00	120.6
221	-2.03	.0009	.00118	.00210	.0010	2.00	120.5
222	-1.37	.0029	.00119	.00210	.0010	2.00	120.4
223	-.65	.0069	.00118	.00210	.0010	2.00	120.4
224	.04	.0121	.00121	.00210	.0010	2.00	120.1
225	.73	.0197	.00124	.00210	.0010	2.00	120.1
226	1.44	.0240	.00127	.00210	.0010	2.00	120.1
227	2.19	.0401	.00130	.00210	.0010	2.00	120.1
228	2.99	.0573	.00133	.00210	.0010	2.00	120.1
229	3.76	.0764	.00133	.00210	.0010	2.00	120.1
230	4.60	.0995	.00135	.00210	.0010	2.00	120.1
231	5.45	.1251	.00136	.00210	.0010	2.00	120.0
232	6.29	.1524	.00137	.00210	.0010	2.00	120.1
233	7.14	.1843	.00134	.00210	.0010	2.00	120.1
234	8.03	.2203	.00143	.00210	.0010	2.00	120.1
235	8.36	.2530	.00147	.00210	.0010	2.00	120.1
236	-5.50	.0139	.00113	.00210	.0010	2.00	120.1

TEST 503 RUN 11 MACH 1.000 CONFIG. 2

POINT	WIND	Q	BETA	ALPHA	CN	CA	CH	CRULL	CVAN	CSIDE	CL	CD	L/D
237	1.002	391.54	.00	-5.60	-.1279	.01140	.0386	.0009	.0009	-.0024	-.1261	.02172	-5.01
238	1.000	390.90	.01	-4.14	-.0655	.01330	.0297	.0003	.0009	-.0020	-.0644	.01589	-4.05
239	.999	390.63	.01	-3.43	-.0336	.01426	.0231	.0003	.0009	-.0019	-.0327	.01415	-2.31
240	.999	390.75	.01	-2.77	-.0073	.01504	.0206	.0004	.0009	-.0019	-.0065	.01327	-.40
241	1.000	390.90	.01	-2.00	.0225	.01580	.0154	.0004	.0009	-.0020	.0231	.01297	1.79
242	1.003	390.90	.01	-1.41	.0490	.01631	.0113	.0003	.0004	-.0019	.0493	.01501	3.79
243	1.000	390.95	.01	-.71	.0791	.01669	.0064	.0001	.0004	-.0019	.0793	.01361	5.02
244	1.000	390.90	.01	.01	.1072	.01687	.0024	-.0001	.0004	-.0018	.1072	.01600	7.24
245	1.000	390.95	.01	.66	.1340	.01689	-.0010	-.0002	.0003	-.0016	.1338	.01634	8.19
246	.999	390.70	.01	1.30	.1638	.01687	-.0049	-.0003	.0004	-.0017	.1633	.01972	8.72
247	.999	390.55	.01	2.13	.1976	.01706	-.0097	-.0005	.0004	-.0014	.1970	.02229	8.04
248	.998	390.40	.00	2.84	.2315	.01767	-.0162	-.0006	.0005	-.0015	.2304	.02643	6.59
249	.998	390.35	.00	3.65	.2730	.01864	-.0219	-.0007	.0005	-.0016	.2712	.03367	4.06
250	.998	390.15	.00	4.41	.3097	.01938	-.0279	-.0008	.0005	-.0012	.3073	.04104	7.49
251	.997	390.11	.00	5.29	.3559	.02104	-.0320	-.0008	.0004	-.0013	.3525	.05165	6.87
252	.997	390.11	.00	6.15	.4018	.02269	-.0372	-.0009	.0004	-.0012	.3971	.06354	6.25
253	.997	390.06	.00	7.00	.4438	.02444	-.0450	-.0008	.0004	-.0013	.4375	.07622	5.74
254	.999	390.21	.00	7.89	.4878	.02662	-.0572	-.0009	.0004	-.0015	.4796	.09120	5.26
255	.997	370.97	.00	8.77	.5276	.02879	-.0706	-.0011	.0005	-.0016	.5191	.10708	4.85
256	.999	390.82	.00	9.87	.5736	.02927	-.0891	-.0011	.0006	-.0019	.5247	.10937	4.80
257	.999	390.54	.00	-5.61	-.1294	.01114	.0386	.0009	.0009	-.0022	-.1277	.02165	-5.00

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/FT	TEMP
237	-5.60	.0159	-.00011	.00110	.0010	2.00	120.1
238	-4.14	.0041	-.00004	.00110	.0010	2.00	120.1
239	-3.43	.0011	-.00007	.00110	.0010	2.00	120.1
240	-2.77	.0000	-.00007	.00110	.0010	2.00	120.1
241	-2.00	.0005	-.00006	.00110	.0010	2.00	120.1
242	-1.41	.0024	-.00005	.00110	.0010	2.00	120.1
243	-.71	.0063	-.00004	.00110	.0010	2.00	120.1
244	.01	.0115	-.00003	.00110	.0010	2.00	120.1
245	.66	.0179	-.00003	.00110	.0010	2.00	120.0
246	1.39	.0267	-.00002	.00110	.0010	2.00	119.9
247	2.13	.0388	-.00001	.00110	.0010	2.00	119.9
248	2.84	.0531	.00001	.00110	.0010	2.00	119.9
249	3.65	.0736	.00001	.00110	.0010	2.00	119.9
250	4.41	.0944	.00000	.00110	.0010	2.00	120.0
251	5.29	.1242	.00010	.00110	.0010	2.00	120.1
252	6.15	.1577	.00014	.00110	.0010	2.00	120.1
253	7.00	.1914	.00018	.00110	.0010	2.00	120.1
254	7.89	.2300	.00022	.00110	.0010	2.00	120.1
255	8.77	.2694	.00024	.00110	.0010	2.00	120.1
256	9.87	.2753	.00030	.00110	.0010	2.00	120.4
257	-5.61	.0163	-.00006	.00110	.0010	2.00	120.7

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NASA LANGLEY RESEARCH CENTER 8-FY TPT

SCAT 15-F

TEST 503													RUN 12	MACH .975		CONFIG. 2	
POINT	WIND	Q	BETA	ALPHA	CM	CA	CB	CROLL	CYAW	CSIDE	CL	CD	L/D				
254	.976	376.56	.00	-5.62	-.1300	.01006	.0205	.0009	.0000	-.0022	-.1292	.02113	-6.11				
259	.975	376.75	.01	-4.18	-.0680	.01215	.0209	.0006	.0006	-.0020	-.0669	.01517	-6.35				
260	.976	376.65	.01	-3.46	-.0301	.01301	.0226	.0005	.0005	-.0020	-.0371	.01399	-2.76				
261	.975	376.10	.01	-2.77	-.0071	.01390	.0204	.0003	.0004	-.0017	-.0244	.01252	-2.51				
262	.976	376.70	.01	-2.10	.0217	.01653	.0156	.0002	.0003	-.0016	.0222	.01202	1.65				
263	.975	376.60	.01	-1.43	.0476	.01699	.0115	.0000	.0003	-.0015	.0477	.01200	3.95				
264	.976	376.40	.01	-.72	.0767	.01535	.0070	-.0002	.0003	-.0017	.0760	.01200	6.06				
265	.976	376.50	.01	-.09	.1025	.01546	.0036	-.0003	.0003	-.0015	.1025	.01362	7.53				
266	.973	376.70	.01	.63	.1316	.01540	-.0002	-.0004	.0003	-.0016	.1316	.01574	9.62				
267	.975	375.26	.01	1.39	.1645	.01551	-.0045	-.0005	.0004	-.0016	.1641	.01701	9.21				
268	.976	375.56	.01	2.11	.1975	.01567	-.0094	-.0006	.0004	-.0016	.1964	.02177	9.27				
269	.976	376.97	.00	2.85	.2349	.01614	-.0143	-.0000	.0004	-.0015	.2330	.02611	9.95				
270	.973	376.96	.00	3.64	.2766	.01712	-.0197	-.0007	.0006	-.0016	.2740	.03240	9.34				
271	.975	376.20	.00	4.43	.3200	.01859	-.0243	-.0007	.0005	-.0014	.3175	.04147	7.50				
272	.975	375.14	.00	5.29	.3593	.02011	-.0270	-.0009	.0005	-.0014	.3550	.05146	6.92				
273	.973	376.73	.00	6.14	.4031	.02170	-.0311	-.0009	.0004	-.0014	.3995	.06290	6.33				
274	.973	376.50	.00	6.99	.4478	.02352	-.0343	-.0000	.0005	-.0014	.4416	.07610	5.70				
275	.972	376.37	.00	7.92	.4938	.02578	-.0378	-.0000	.0005	-.0016	.4836	.09191	5.29				
276	.972	376.66	.01	8.70	.5352	.02806	-.0373	-.0010	.0006	-.0021	.5247	.10776	4.87				
277	.976	375.61	.01	8.96	.5750	.02960	-.0379	-.0010	.0006	-.0020	.5538	.11150	4.79				
278	.973	376.65	.00	-5.60	-.1307	.00997	.0305	.0010	.0009	-.0024	-.1292	.02090	-6.15				

POINT	ALPHA	CLS0	CD	CD0	CD1	R/FT	TEMP
254	-5.62	.7167	.00000	.00070	.0010	2.00	120.1
259	-4.18	.0045	.00000	.00070	.0010	2.00	120.1
260	-3.46	.0014	.00000	.00070	.0010	2.00	120.1
261	-2.77	.0200	.00010	.00070	.0010	2.00	120.1
262	-2.13	.0005	.00012	.00070	.0010	2.00	120.1
263	-1.43	.0223	.00013	.00070	.0010	2.00	120.1
264	-.72	.0256	.00014	.00070	.0010	2.00	120.0
265	-.09	.0105	.00015	.00070	.0010	2.00	120.0
266	.63	.0173	.00015	.00070	.0010	2.00	120.1
267	1.39	.0269	.00015	.00070	.0010	2.00	120.1
268	2.11	.0397	.00017	.00070	.0010	2.00	120.0
269	2.85	.0547	.00019	.00070	.0010	2.00	120.0
270	3.64	.0796	.00020	.00070	.0010	2.00	120.0
271	4.43	.1003	.00023	.00070	.0010	2.00	120.0
272	5.29	.1267	.00027	.00070	.0010	2.00	120.0
273	6.14	.1594	.00030	.00070	.0010	2.00	120.0
274	6.99	.1950	.00034	.00070	.0010	2.00	120.1
275	7.92	.2354	.00037	.00070	.0010	2.00	120.1
276	8.70	.2793	.00039	.00070	.0010	2.00	120.1
277	8.96	.2950	.00039	.00070	.0010	2.00	120.1
278	-5.62	.0167	.00010	.00070	.0010	2.00	120.1

TEST 503													RUN 13	MACH .950		CONFIG. 2	
POINT	WIND	Q	BETA	ALPHA	CM	CA	CB	CROLL	CYAW	CSIDE	CL	CD	L/D				
279	.950	367.45	.00	-5.64	-.1325	.00961	.0373	.0009	.0000	-.0022	-.1309	.02090	-6.27				
280	.952	367.79	.01	-4.19	-.0694	.01191	.0292	.0006	.0005	-.0022	-.0603	.01514	-6.51				
281	.952	367.80	.01	-3.49	-.0393	.01277	.0250	.0004	.0005	-.0020	-.0305	.01346	-2.86				
282	.951	370.02	.01	-2.77	-.0080	.01365	.0202	.0003	.0004	-.0019	-.0074	.01232	-2.60				
283	.951	370.36	.01	-2.14	.0167	.01429	.0165	.0001	.0003	-.0010	.0172	.01195	1.44				
284	.951	370.13	.01	-1.45	.0454	.01403	.0122	.0000	.0003	-.0010	.0450	.01177	3.43				
285	.951	370.19	.01	-.80	.0710	.01510	.0085	-.0001	.0003	-.0017	.0712	.01244	5.72				
286	.952	369.90	.01	-.09	.1007	.01532	.0047	-.0003	.0003	-.0013	.1007	.01346	7.40				
287	.949	369.51	.01	.61	.1291	.01520	.0015	-.0004	.0003	-.0017	.1279	.01491	6.50				
288	.951	370.05	.01	1.34	.1594	.01526	-.0023	-.0005	.0003	-.0010	.1590	.01727	9.21				
289	.951	370.05	.01	2.04	.1911	.01567	-.0042	-.0000	.0004	-.0017	.1904	.02030	9.34				
290	.950	369.79	.00	2.84	.2301	.01564	-.0112	-.0000	.0004	-.0014	.2291	.02333	9.04				
291	.952	369.56	.00	3.61	.2691	.01665	-.0157	-.0000	.0005	-.0016	.2675	.03160	8.44				
292	.952	369.90	.00	4.43	.3102	.01764	-.0202	-.0000	.0004	-.0014	.3079	.03993	7.73				
293	.950	369.62	.00	5.29	.3541	.01833	-.0233	-.0000	.0004	-.0014	.3500	.05015	6.99				
294	.951	370.01	.00	6.14	.4011	.02006	-.0282	-.0000	.0005	-.0016	.3966	.06203	6.30				
295	.949	369.46	.00	6.94	.4403	.02254	-.0307	-.0000	.0006	-.0017	.4363	.07395	5.70				
296	.952	369.73	.00	7.89	.4881	.02485	-.0325	-.0010	.0006	-.0017	.4800	.08993	5.34				
297	.952	369.82	.01	8.85	.5362	.02737	-.0342	-.0010	.0005	-.0019	.5256	.10785	4.87				
298	.951	370.07	.01	9.12	.5514	.02824	-.0356	-.0011	.0006	-.0024	.5401	.11365	4.75				
299	.949	369.50	.00	-5.69	-.1357	.00951	.0377	.0009	.0000	-.0023	-.1341	.02123	-6.32				

POINT	ALPHA	CLS0	CD	CD0	CD1	R/FT	TEMP
279	-5.64	.0171	.00010	.00070	.0010	2.00	119.9
280	-4.19	.0047	.00010	.00070	.0010	2.00	119.9
281	-3.49	.0015	.00010	.00070	.0010	2.00	120.0
282	-2.77	.0001	.00019	.00070	.0010	2.00	120.0
283	-2.14	.0003	.00020	.00070	.0010	2.00	120.0
284	-1.45	.0021	.00021	.00070	.0010	2.00	120.1
285	-.80	.0051	.00022	.00070	.0010	2.00	120.1
286	-.09	.0101	.00023	.00070	.0010	2.00	120.1
287	.61	.0164	.00024	.00070	.0010	2.00	120.1
288	1.34	.0253	.00024	.00070	.0010	2.00	120.1
289	2.04	.0362	.00025	.00070	.0010	2.00	120.1
290	2.84	.0523	.00028	.00070	.0010	2.00	120.1
291	3.61	.0710	.00031	.00070	.0010	2.00	120.1
292	4.43	.0948	.00037	.00070	.0010	2.00	120.1
293	5.29	.1230	.00041	.00070	.0010	2.00	120.0
294	6.14	.1573	.00046	.00070	.0010	2.00	119.9
295	6.94	.1987	.00042	.00070	.0010	2.00	119.9
296	7.89	.2304	.00045	.00070	.0010	2.00	119.9
297	8.85	.2763	.00049	.00070	.0010	2.00	119.9
298	9.12	.2910	.00049	.00070	.0010	2.00	120.0
299	-5.69	.0180	.00017	.00070	.0010	2.00	120.1

WASO LANGLEY RESEARCH CENTER 4-FT TPT

SCAT 13-F

TEST 503		RUN 14	MACH .925		CONFIG.									
POINT	WIND	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D		
300	0.26	364.26	.00	-5.69	-.1341	.00947	.0363	.0000	.0007	-.0022	-.1325	.02003	-6.33	
301	0.26	363.62	.01	-4.22	-.0701	.01170	.0203	.0005	.0005	-.0022	-.0001	.01503	-6.60	
302	0.26	364.32	.01	-3.56	-.0421	.01265	.0249	.0003	.0005	-.0010	-.0412	.01344	-3.07	
303	0.25	364.32	.01	-2.84	-.0121	.01352	.0200	.0003	.0004	-.0010	-.0114	.01230	-1.93	
304	0.25	364.02	.01	-2.14	.0167	.01424	.0164	.0003	.0004	-.0010	.0173	.01100	1.44	
305	0.26	364.26	.01	-1.50	.0432	.01476	.0124	.0001	.0003	-.0010	.0435	.01103	3.60	
306	0.25	364.32	.01	-.80	.0697	.01511	.0090	-.0001	.0003	-.0019	.0699	.01234	5.64	
307	0.26	364.00	.01	-.07	.0980	.01523	.0054	-.0002	.0003	-.0017	.0980	.01330	7.37	
308	0.25	364.03	.01	.54	.1211	.01515	.0030	-.0003	.0003	-.0017	.1210	.01350	8.35	
309	0.25	363.91	.01	1.32	.1547	.01504	-.0004	-.0005	.0003	-.0015	.1543	.01670	9.10	
310	0.25	364.26	.01	2.04	.1808	.01516	-.0004	-.0004	.0003	-.0015	.1801	.02011	9.35	
311	0.25	363.95	.01	2.81	.2221	.01537	-.0003	-.0000	.0003	-.0013	.2211	.02443	9.05	
312	0.26	364.31	.00	3.60	.2635	.01611	-.0129	-.0007	.0004	-.0014	.2620	.03001	9.50	
313	0.25	364.10	.00	4.37	.3014	.01717	-.0164	-.0000	.0004	-.0012	.2995	.03432	7.82	
314	0.25	363.97	.00	5.20	.3451	.01870	-.0204	-.0000	.0004	-.0015	.3420	.04012	7.11	
315	0.25	363.70	.00	6.09	.3906	.02022	-.0243	-.0000	.0005	-.0014	.3883	.05976	6.44	
316	0.25	364.02	.00	6.86	.4291	.02179	-.0283	-.0009	.0004	-.0019	.4236	.07106	5.96	
317	0.25	363.64	.00	7.79	.4740	.02382	-.0323	-.0010	.0005	-.0018	.4672	.08619	5.42	
318	0.25	364.02	.01	8.69	.5204	.02611	-.0371	-.0010	.0005	-.0019	.5105	.10267	4.97	
319	0.25	364.00	.01	9.37	.5587	.02820	-.0420	-.0011	.0005	-.0022	.5467	.11701	4.67	
320	0.26	363.57	.00	-9.65	-.1306	.00966	.0359	.0000	.0007	-.0022	-.1290	.02065	-6.25	

POINT	ALPHA	CLSO	CDL	CDR	CDI	R/P/T	TEMP
320	-5.69	.0176	.00023	.00000	.0010	2.01	119.5
301	-4.22	.0060	.00024	.00000	.0010	2.00	119.7
302	-3.56	.0017	.00024	.00000	.0010	2.00	120.0
303	-2.84	.0001	.00025	.00000	.0010	2.00	120.1
304	-2.14	.0003	.00026	.00000	.0010	2.00	120.1
305	-1.50	.0019	.00027	.00000	.0010	2.00	120.2
306	-.80	.0049	.00027	.00000	.0010	2.00	120.1
307	-.07	.0090	.00027	.00000	.0010	2.00	120.1
308	.54	.0160	.00027	.00000	.0010	2.00	120.1
309	1.32	.0239	.00028	.00000	.0010	2.00	120.1
310	2.04	.0354	.00030	.00000	.0010	2.00	120.0
311	2.81	.0489	.00031	.00000	.0010	2.00	120.0
312	3.60	.0646	.00035	.00000	.0010	2.00	120.0
313	4.37	.0807	.00039	.00000	.0010	2.00	119.9
314	5.20	.1170	.00041	.00000	.0010	2.00	119.9
315	6.09	.1402	.00045	.00000	.0010	2.00	120.0
316	6.86	.1703	.00046	.00000	.0010	2.00	120.0
317	7.79	.2163	.00051	.00000	.0010	2.00	120.0
318	8.69	.2606	.00054	.00000	.0010	2.00	120.1
319	9.37	.2998	.00055	.00000	.0010	2.00	120.1
320	-5.65	.0166	.00022	.00000	.0010	2.00	120.1

TEST 503		RUN 15	MACH .900		CONFIG. 2									
POINT	WIND	BETA	ALPHA	CN	CA	CM	CROLL	CYAW	CSIDE	CL	CD	L/D		
321	0.20	330.16	.01	-5.65	-.1244	.00954	.0321	.0000	.0000	-.0026	-.1260	.02034	-6.24	
322	0.22	330.99	.01	-4.23	-.0679	.01179	.0264	.0004	.0005	-.0021	-.0049	.01497	-4.47	
323	0.21	330.64	.01	-3.54	-.0406	.01265	.0231	.0003	.0005	-.0020	-.0397	.01336	-2.97	
324	0.20	329.60	.01	-2.87	-.0110	.01356	.0190	.0002	.0005	-.0020	-.0103	.01230	-1.84	
325	0.20	330.30	.01	-2.26	.0116	.01420	.0167	.0001	.0004	-.0019	.0121	.01193	1.01	
326	0.22	331.05	.01	-1.59	.0360	.01444	.0137	.0000	.0003	-.0015	.0364	.01193	3.00	
327	0.22	329.64	.01	-.93	.0607	.01444	.0107	-.0002	.0003	-.0020	.0610	.01215	5.02	
328	0.20	330.16	.01	-.25	.0859	.01507	.0091	-.0003	.0003	-.0014	.0859	.01200	6.66	
329	0.20	330.20	.01	.39	.1089	.01502	.0061	-.0004	.0003	-.0010	.1094	.01307	7.79	
330	0.22	331.74	.01	1.10	.1376	.01446	.0036	-.0005	.0003	-.0016	.1373	.01565	8.77	
331	0.21	330.50	.01	1.80	.1630	.01460	.0012	-.0007	.0003	-.0019	.1644	.01706	9.10	
332	0.21	330.71	.01	2.53	.1934	.01474	-.0013	-.0007	.0003	-.0017	.1945	.02155	9.03	
333	0.22	331.74	.01	3.23	.2260	.01468	-.0039	-.0007	.0004	-.0015	.2256	.02394	8.70	
334	0.20	330.07	.00	4.00	.2633	.01565	-.0072	-.0003	.0004	-.0012	.2635	.03233	8.15	
335	0.20	330.43	.00	4.75	.3024	.01664	-.0100	-.0007	.0005	-.0014	.3002	.03944	7.53	
336	0.21	330.57	.00	5.59	.3451	.01789	-.0139	-.0000	.0004	-.0015	.3417	.04956	6.90	
337	0.21	329.44	.00	6.34	.3820	.01900	-.0156	-.0009	.0005	-.0010	.3775	.05974	6.37	
338	0.20	330.09	.00	7.19	.4229	.02062	-.0165	-.0010	.0005	-.0016	.4160	.07131	5.85	
339	0.20	330.22	.00	8.01	.4639	.02205	-.0172	-.0011	.0005	-.0010	.4563	.08469	5.39	
340	0.21	330.50	.01	8.84	.5090	.02394	-.0193	-.0011	.0004	-.0019	.4992	.10040	4.97	
341	0.20	330.16	.01	9.63	.5519	.02617	-.0247	-.0010	.0005	-.0023	.5397	.11632	4.64	
342	0.20	329.64	.00	-9.62	-.1247	.00974	.0318	.0000	.0007	-.0022	-.1232	.02010	-6.13	

POINT	ALPHA	CLSO	CDL	CDR	CDI	R/P/T	TEMP
321	-5.65	.0161	.00031	.00000	.0010	2.01	114.6
322	-4.23	.0045	.00031	.00000	.0010	2.01	114.9
323	-3.50	.0016	.00033	.00000	.0010	2.01	114.0
324	-2.87	.0001	.00034	.00000	.0010	2.00	119.2
325	-2.26	.0001	.00034	.00000	.0010	2.01	119.4
326	-1.59	.0013	.00036	.00000	.0010	2.01	119.6
327	-.93	.0037	.00038	.00000	.0010	2.00	119.9
328	-.25	.0074	.00037	.00000	.0010	2.00	119.9
329	.39	.0119	.00038	.00000	.0010	2.00	119.9
330	1.10	.0190	.00040	.00000	.0010	2.00	119.9
331	1.80	.0270	.00040	.00000	.0010	2.00	119.9
332	2.53	.0379	.00041	.00000	.0010	2.00	119.9
333	3.23	.0509	.00042	.00000	.0010	2.00	120.0
334	4.00	.0675	.00044	.00000	.0010	2.00	120.0
335	4.75	.0901	.00046	.00000	.0010	2.00	120.0
336	5.59	.1160	.00048	.00000	.0010	2.00	120.1
337	6.34	.1425	.00052	.00000	.0010	2.00	120.1
338	7.19	.1738	.00054	.00000	.0010	2.00	120.1
339	8.01	.2082	.00056	.00000	.0010	2.00	120.1
340	8.84	.2492	.00058	.00000	.0010	2.00	120.1
341	9.63	.2913	.00059	.00000	.0010	2.00	120.1
342	-5.62	.0152	.00031	.00000	.0010	2.00	120.0

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TEST 503 RUN 16 MACH 1.200 CONFIG. 3

PRINT	TIME	BETA	ALPHA	CN	CA	CH	CROLL	CVAN	CSIDE	CL	CD	L/D
17	1.200	0	0	-5.59	-1.225	0.01269	0.002	0.000	-0.022	-1.107	0.02146	-5.62
18	1.200	0	0	-6.17	-0.635	0.01690	0.003	0.000	-0.022	-0.623	0.01630	-3.00
19	1.200	0	0	-3.41	-0.312	0.01506	0.001	0.000	-0.020	-0.302	0.01471	-2.05
20	1.200	0	0	-2.73	-0.067	0.01675	0.000	0.000	-0.019	-0.039	0.01305	-1.28
21	1.200	0	0	-2.06	0.236	0.01764	0.000	0.000	-0.018	0.262	0.01348	1.80
22	1.200	0	0	-1.33	0.15	0.01793	0.000	0.000	-0.018	0.519	0.01363	3.81
23	1.200	0	0	-0.64	0.04	0.01828	0.000	0.000	-0.017	0.796	0.01429	5.57
24	1.200	0	0	0.05	0.062	0.01857	0.000	0.000	-0.016	1.062	0.01557	6.82
25	1.200	0	0	0.70	0.124	0.01876	-0.001	0.000	-0.016	1.322	0.01726	7.66
26	1.200	0	0	1.41	0.167	0.01891	-0.003	0.000	-0.016	1.642	0.01906	8.27
27	1.200	0	0	2.16	0.177	0.01934	-0.004	0.000	-0.015	1.964	0.02167	9.31
28	1.200	0	0	2.92	0.2349	0.02013	-0.005	0.000	-0.012	2.336	0.02898	8.06
29	1.200	0	0	3.73	0.2731	0.02108	-0.006	0.000	-0.012	2.711	0.03549	7.60
30	1.200	0	0	4.57	0.3131	0.02223	-0.009	0.000	-0.012	3.103	0.04400	7.05
31	1.200	0	0	5.37	0.3490	0.02326	-0.012	0.000	-0.010	3.453	0.05271	6.55
32	1.200	0	0	6.26	0.3904	0.02453	-0.016	0.000	-0.011	3.954	0.06397	6.03
33	1.200	0	0	7.13	0.4382	0.02599	-0.020	0.000	-0.013	4.237	0.07610	5.57
34	1.200	0	0	8.04	0.4731	0.02797	-0.026	0.000	-0.017	4.644	0.09078	5.12
35	1.200	0	0	8.97	0.4889	0.02877	-0.031	0.000	-0.016	4.795	0.09650	4.97
36	1.200	0	0	1.43	0.1656	0.01892	-0.005	0.000	-0.019	1.651	0.01993	8.29

PRINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
17	-5.59	0.3146	0.00112	0.00210	0.0010	2.00	120.5
18	-6.17	0.3039	0.00114	0.00210	0.0010	2.00	120.4
19	-3.41	0.2509	0.00117	0.00210	0.0010	2.00	120.4
20	-2.73	0.0000	0.00118	0.00210	0.0010	2.00	120.4
21	-2.06	0.3036	0.00119	0.00210	0.0010	2.00	120.2
22	-1.33	0.3027	0.00119	0.00210	0.0010	2.00	120.4
23	-0.64	0.3063	0.00121	0.00210	0.0010	2.00	120.2
24	0.05	0.2113	0.00121	0.00210	0.0010	2.00	120.2
25	0.73	0.2175	0.00125	0.00210	0.0010	2.00	120.2
26	1.41	0.2270	0.00129	0.00210	0.0010	2.00	120.2
27	2.16	0.0397	0.00131	0.00210	0.0010	2.00	120.1
28	2.92	0.7266	0.00133	0.00210	0.0010	2.00	120.1
29	3.73	0.2733	0.00134	0.00210	0.0010	2.00	120.1
30	4.57	0.2763	0.00135	0.00210	0.0010	2.00	120.0
31	5.37	0.1132	0.00137	0.00210	0.0010	2.00	120.0
32	6.26	0.1485	0.00139	0.00210	0.0010	2.00	120.1
33	7.13	0.1795	0.00139	0.00210	0.0010	2.00	120.1
34	8.04	0.2159	0.00142	0.00210	0.0010	2.00	120.1
35	8.97	0.2299	0.00146	0.00210	0.0010	2.00	120.2
36	1.43	0.2272	0.00129	0.00210	0.0010	2.00	120.0

TEST 503 RUN 17 MACH 1.000 CONFIG. 3

PRINT	TIME	BETA	ALPHA	CN	CA	CH	CROLL	CVAN	CSIDE	CL	CD	L/D
37	1.000	0	0	-6.62	-1.1775	0.01062	0.000	0.000	-0.023	-1.152	0.02872	-6.10
38	1.001	0	0	-5.65	-1.1369	0.01201	0.000	0.000	-0.022	-1.151	0.02332	-5.79
39	1.000	0	0	-4.20	-0.6745	0.01392	0.000	0.000	-0.021	-0.732	0.01723	-4.25
40	1.000	0	0	-3.49	-0.0443	0.01676	0.001	0.000	-0.019	-0.434	0.01532	-2.83
41	1.000	0	0	-2.76	-0.1112	0.01564	0.002	0.000	-0.017	-0.104	0.01406	-1.74
42	1.000	0	0	-2.09	0.162	0.01621	0.002	0.000	-0.017	0.169	0.01350	1.24
43	1.000	0	0	-1.43	0.613	0.01663	0.000	0.000	-0.017	0.617	0.01349	3.09
44	1.000	0	0	-0.72	0.723	0.01686	0.000	0.000	-0.016	0.725	0.01394	5.23
45	0.000	0	0	0.00	0.992	0.01693	0.000	0.000	-0.016	0.982	0.01466	6.69
46	0.000	0	0	0.34	1.247	0.01689	0.000	0.000	-0.016	1.246	0.01609	7.74
47	0.000	0	0	1.04	1.583	0.01693	-0.000	0.000	-0.015	1.579	0.01853	8.52
48	0.000	0	0	2.09	1.929	0.01712	-0.000	0.000	-0.013	1.922	0.02204	8.72
49	0.000	0	0	2.95	2.299	0.01759	-0.013	0.000	-0.012	2.286	0.02688	8.50
50	0.000	0	0	3.60	2.678	0.01826	-0.019	0.000	-0.010	2.662	0.03296	8.08
51	0.000	0	0	4.40	3.054	0.01908	-0.026	0.000	-0.011	3.031	0.04035	7.51
52	0.000	0	0	5.25	3.464	0.02024	-0.034	0.000	-0.011	3.431	0.04976	6.89
53	0.000	0	0	6.11	3.871	0.02157	-0.047	0.000	-0.010	3.826	0.06056	6.32
54	0.000	0	0	7.01	4.320	0.02316	-0.060	0.000	-0.010	4.250	0.07357	5.79
55	0.000	0	0	7.85	4.751	0.02482	-0.077	0.000	-0.011	4.672	0.08951	5.34
56	0.000	0	0	8.80	5.266	0.02722	-0.097	0.000	-0.010	5.162	0.10533	4.90
57	0.000	0	0	9.04	5.534	0.02799	-0.102	0.000	-0.020	5.283	0.11034	4.70
58	0.000	0	0	1.35	0.1607	0.01709	-0.003	0.000	-0.015	1.602	0.01879	8.53

PRINT	ALPHA	CLSQ	CDC	CDB	CDI	R/FT	TEMP
37	-6.62	0.2307	0.00004	0.00110	0.0010	2.00	120.1
38	-5.65	0.2192	0.00010	0.00110	0.0010	2.00	120.1
39	-4.20	0.2256	0.00008	0.00110	0.0010	2.00	120.1
40	-3.49	0.2018	0.00006	0.00110	0.0010	2.00	120.1
41	-2.76	0.2001	0.00006	0.00110	0.0010	2.00	120.1
42	-2.09	0.0033	0.00005	0.00110	0.0010	2.00	120.1
43	-1.43	0.2117	0.00004	0.00110	0.0010	2.00	120.1
44	-0.72	0.2253	0.00003	0.00110	0.0010	2.00	120.1
45	0.00	0.2097	0.00002	0.00110	0.0010	2.00	120.1
46	0.34	0.2155	0.00001	0.00110	0.0010	2.00	120.1
47	1.04	0.2248	0.00001	0.00110	0.0010	2.00	120.0
48	2.09	0.2369	0.00000	0.00110	0.0010	2.00	120.0
49	2.95	0.2523	0.00001	0.00110	0.0010	2.00	120.1
50	3.60	0.2739	0.00005	0.00110	0.0010	2.00	120.1
51	4.40	0.2918	0.00007	0.00110	0.0010	2.00	120.1
52	5.25	0.3177	0.00010	0.00110	0.0010	2.00	120.1
53	6.11	0.3464	0.00013	0.00110	0.0010	2.00	120.1
54	7.01	0.3784	0.00017	0.00110	0.0010	2.00	120.1
55	7.85	0.4143	0.00021	0.00110	0.0010	2.00	120.1
56	8.80	0.4665	0.00028	0.00110	0.0010	2.00	120.0
57	9.04	0.4791	0.00034	0.00110	0.0010	2.00	120.4
58	1.35	0.2257	0.00002	0.00110	0.0010	2.00	119.7

TEST 503 RUN 18 MACH .975 CONFIG 3													
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/P
50	.974	375.03	.00	-5.44	-.1352	.01005	.9307	.0004	.0000	-.0073	-.1635	.02239	-5.44
60	.974	375.13	.01	-4.16	-.0722	.01203	.0314	.0005	.0005	-.0022	-.0711	.01637	-4.34
61	.974	375.18	.01	-3.51	-.0450	.01359	.0274	.0001	.0004	-.0018	-.0441	.01442	-3.01
62	.975	375.41	.01	-2.81	-.0144	.01439	.0274	.0001	.0001	-.0014	-.0138	.01339	-1.03
63	.975	375.34	.01	-2.10	.0175	.01507	.0174	.0001	.0003	-.0014	.0101	.01272	1.42
64	.976	375.67	.01	-1.47	.0447	.01544	.0132	-.0001	.0003	-.0015	.0450	.01262	3.57
65	.976	375.41	.01	-.74	.0714	.01558	.0040	-.0002	.0002	-.0014	.0714	.01246	5.52
66	.973	374.44	.01	-.04	.1007	.01557	.0049	-.0004	.0003	-.0014	.1000	.01377	7.32
67	.974	375.08	.01	.69	.1315	.01559	.0003	-.0005	.0002	-.0015	.1315	.01545	9.50
68	.975	375.41	.01	1.34	.1589	.01554	-.0034	-.0004	.0002	-.0015	.1589	.01754	9.03
69	.975	375.34	.00	2.05	.1925	.01573	-.0045	-.0007	.0003	-.0013	.1910	.02049	9.19
70	.975	375.34	.00	2.84	.2324	.01617	-.0140	-.0010	.0003	-.0012	.2315	.02590	8.14
71	.976	374.82	.00	3.50	.2875	.01675	-.0141	-.0010	.0005	-.0013	.2659	.03177	8.14
72	.976	375.25	.00	4.45	.3144	.01600	-.0249	-.0010	.0005	-.0013	.3123	.04060	7.14
73	.973	374.44	.00	5.27	.3517	.01707	-.0249	-.0010	.0005	-.0014	.3485	.04957	7.03
74	.976	375.09	.00	6.15	.3943	.02044	-.0246	-.0014	.0002	-.0010	.3890	.06108	6.37
75	.975	375.42	.00	6.99	.4354	.02234	-.0244	-.0012	.0002	-.0010	.4297	.07345	5.85
76	.976	375.13	.00	7.84	.4789	.02404	-.0301	-.0010	.0003	-.0012	.4710	.08779	5.37
77	.973	374.81	.00	9.01	.5293	.02629	-.0337	-.0001	.0000	-.0023	.5191	.10339	4.93
78	.974	375.13	.00	9.16	.5467	.02715	-.0355	-.0005	.0000	-.0023	.5354	.11211	4.70
79	.975	375.20	.01	1.34	.1404	.01554	-.0030	-.0004	.0002	-.0015	.1400	.01758	9.10

POINT	ALPHA	CLSO	CDC	CNR	CDI	R/FT	TEMP
53	-5.44	.0170	.00011	.00070	.0010	2.00	120.1
60	-4.16	.0051	.00010	.00070	.0010	2.00	120.2
61	-3.51	.0010	.00010	.00070	.0010	2.00	120.2
62	-2.81	.0002	.00011	.00070	.0010	2.00	120.1
63	-2.10	.0003	.00013	.00070	.0010	2.00	120.1
64	-1.43	.0020	.00013	.00070	.0010	2.00	119.9
65	-.74	.0051	.00014	.00070	.0010	2.00	119.9
66	-.04	.0102	.00017	.00070	.0010	2.00	119.9
67	.69	.0173	.00016	.00070	.0010	2.00	120.0
68	1.34	.0251	.00016	.00070	.0010	2.00	120.0
69	2.05	.0349	.00019	.00070	.0010	2.00	120.0
70	2.84	.0536	.00019	.00070	.0010	2.00	120.1
71	3.59	.0707	.00022	.00070	.0010	2.00	120.1
72	4.45	.0975	.00025	.00070	.0010	2.00	120.1
73	5.27	.1214	.00029	.00070	.0010	2.00	120.2
74	6.15	.1520	.00031	.00070	.0010	2.00	120.2
75	6.99	.1946	.00032	.00070	.0010	2.00	120.2
76	7.84	.2219	.00037	.00070	.0010	2.00	120.2
77	9.01	.2694	.00041	.00070	.0010	2.00	120.1
78	9.16	.2966	.00040	.00070	.0010	2.00	119.9
79	1.34	.0256	.00017	.00070	.0010	2.00	120.2

TEST 503 RUN 19 MACH .950 CONFIG 3													
POINT	MINF	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAM	CSIDE	CL	CD	L/P
80	.953	369.50	.00	-5.43	-.1494	.00920	.0420	.0007	.0008	-.0023	-.1673	.02640	-6.34
81	.953	369.57	.00	-5.47	-.1383	.01034	.0385	.0005	.0007	-.0022	-.1364	.02225	-6.14
82	.951	370.95	.01	-4.24	-.0771	.01240	.0314	.0002	.0005	-.0020	-.0780	.01637	-4.64
83	.951	370.04	.01	-3.55	-.0467	.01335	.0273	.0001	.0004	-.0019	-.0457	.01451	-3.15
84	.949	369.29	.01	-2.87	-.0187	.01401	.0229	.0000	.0003	-.0017	-.0179	.01223	-1.34
85	.953	369.33	.01	-2.17	.0101	.01473	.0184	.0000	.0003	-.0017	.0107	.01244	.84
86	.951	369.43	.01	-1.44	.0406	.01514	.0140	-.0000	.0003	-.0017	.0410	.01245	3.29
87	.949	369.23	.01	-.81	.0640	.01531	.0101	-.0002	.0002	-.0015	.0642	.01267	5.23
88	.949	369.34	.01	-.11	.0933	.01537	.0042	-.0002	.0003	-.0015	.0933	.01349	6.92
89	.953	369.41	.01	.65	.1241	.01534	.0020	-.0005	.0001	-.0014	.1259	.01509	8.35
90	.950	369.31	.01	1.27	.1515	.01521	-.0010	-.0004	.0002	-.0015	.1511	.01605	8.97
91	.949	369.56	.01	2.06	.1873	.01529	-.0095	-.0008	.0003	-.0014	.1864	.02031	9.19
92	.949	369.00	.01	2.73	.2231	.01554	-.0099	-.0010	.0003	-.0013	.2221	.02467	9.00
93	.949	369.49	.00	3.61	.2658	.01630	-.0151	-.0011	.0004	-.0014	.2642	.03132	9.44
94	.952	369.44	.00	4.45	.3085	.01716	-.0199	-.0011	.0005	-.0013	.3082	.03912	7.79
95	.949	369.05	-.00	5.20	.3433	.01809	-.0204	-.0010	.0005	-.0013	.3402	.04742	7.14
96	.949	369.34	.00	6.07	.3852	.01939	-.0229	-.0009	.0004	-.0017	.3810	.05629	6.54
97	.944	369.74	.00	7.01	.4343	.02120	-.0250	-.0011	.0004	-.0013	.4285	.07241	5.92
98	.950	369.44	.00	7.86	.4794	.02303	-.0270	-.0010	.0003	-.0012	.4678	.08612	5.43
99	.949	369.29	.00	9.78	.5264	.02530	-.0317	-.0000	.0007	-.0021	.5163	.10365	4.98
100	.950	369.50	.01	9.19	.5498	.02644	-.0341	-.0007	.0006	-.0022	.5385	.11220	4.80
101	.950	369.50	.01	1.33	.1569	.01524	-.0016	-.0004	.0003	-.0015	.1565	.01710	9.11

POINT	ALPHA	CLSO	CDC	CNR	CDI	R/FT	TEMP
80	-6.43	.0240	.00014	.00070	.0010	2.00	120.1
81	-5.67	.0187	.00014	.00070	.0010	2.00	120.1
82	-4.24	.0059	.00018	.00070	.0010	2.00	120.1
83	-3.55	.0021	.00018	.00070	.0010	2.00	120.1
84	-2.87	.0003	.00022	.00070	.0010	2.00	120.1
85	-2.17	.0001	.00020	.00070	.0010	2.00	120.1
86	-1.44	.0017	.00022	.00070	.0010	2.00	120.1
87	-.41	.0044	.00024	.00070	.0010	2.00	120.1
88	.65	.0087	.00024	.00070	.0010	2.00	120.1
89	.66	.0159	.00024	.00070	.0010	2.00	120.0
90	1.27	.0228	.00026	.00070	.0010	2.00	120.0
91	2.06	.0349	.00027	.00070	.0010	2.00	119.9
92	2.79	.0493	.00029	.00070	.0010	2.00	120.0
93	3.61	.0698	.00030	.00070	.0010	2.00	119.9
94	4.45	.0938	.00034	.00070	.0010	2.00	119.9
95	5.23	.1158	.00037	.00070	.0010	2.00	120.0
96	6.07	.1491	.00039	.00070	.0010	2.00	120.0
97	7.01	.1830	.00043	.00070	.0010	2.00	120.0
98	7.86	.2180	.00047	.00070	.0010	2.00	120.0
99	9.78	.2644	.00049	.00070	.0010	2.00	120.0
100	9.19	.2900	.00052	.00070	.0010	2.00	120.0
101	1.33	.0249	.00025	.00070	.0010	2.00	120.0

ORIGINAL PAGE IS OF POOR QUALITY

TEST 503													RUN 20	MACH .925	CONFIG. 3
POINT	WING	J	META	ALPHA	CN	CA	CM	CDLL	CYAW	CSIDE	CL	CD	L/D		
122	.926	362.50	.00	-5.77	-1410	.01016	.7376	.0004	.0007	-.0020	-.1393	.02249	-6.19		
123	.926	362.73	.01	-4.25	-.0757	.01230	.1304	.0002	.0005	-.0022	-.0746	.01608	-6.64		
124	.926	362.79	.01	-3.55	-.0478	.01320	.1268	.0002	.0004	-.0019	-.0469	.01424	-3.27		
125	.925	363.72	.01	-2.85	-.0147	.01415	.0220	.0001	.0004	-.0018	-.0139	.01306	-1.07		
126	.925	363.42	.01	-2.17	.0120	.01473	.0182	.0000	.0003	-.0016	.0126	.01246	1.01		
127	.925	363.40	.01	-1.49	.0384	.01504	.0242	-.0000	.0004	-.0021	.0387	.01226	3.16		
128	.926	362.95	.01	-.82	.0647	.01528	.0105	-.0002	.0003	-.0018	.0649	.01255	5.17		
129	.925	363.29	.01	-.12	.0925	.01531	.0068	-.0003	.0003	-.0017	.0925	.01331	6.95		
130	.926	362.98	.01	.57	.1225	.01527	.0032	-.0005	.0002	-.0018	.1224	.01468	8.34		
131	.929	363.24	.01	1.29	.1504	.01510	.0001	-.0006	.0003	-.0014	.1502	.01668	9.01		
132	.926	363.01	.01	2.01	.1823	.01504	-.0035	-.0008	.0003	-.0014	.1814	.01964	9.25		
133	.925	363.25	.01	2.73	.2162	.01534	-.0074	-.0009	.0003	-.0013	.2152	.02385	9.02		
134	.925	363.24	.00	3.56	.2585	.01588	-.0120	-.0010	.0005	-.0013	.2570	.03009	8.54		
135	.925	363.24	.00	4.32	.2943	.01647	-.0151	-.0012	.0005	-.0012	.2922	.03682	7.94		
136	.926	362.91	.00	5.17	.3356	.01756	-.0175	-.0011	.0004	-.0011	.3324	.04594	7.24		
137	.925	363.19	.00	5.95	.3742	.01857	-.0195	-.0009	.0007	-.0011	.3702	.05544	6.68		
138	.926	363.07	.00	6.68	.4193	.02021	-.0204	-.0011	.0004	-.0011	.4139	.06651	6.04		
139	.926	362.83	.00	7.83	.4663	.02211	-.0222	-.0009	.0003	-.0012	.4589	.08359	5.49		
120	.925	363.35	.00	8.61	.5099	.02405	-.0229	-.0011	.0006	-.0011	.5006	.09932	5.00		
121	.922	362.15	.01	9.46	.5591	.02647	-.0325	-.0011	.0002	-.0011	.5472	.11626	4.71		
122	.923	362.54	.01	1.29	.1511	.01507	.0381	-.0006	.0002	-.0014	.1507	.01667	9.24		

POINT	ALPHA	CDC	CNR	COI	R/PT	TEMP
122	-5.77	.0024	.00080	.0010	2.00	120.1
123	-4.25	.0025	.00080	.0010	2.00	120.1
124	-3.55	.0024	.00080	.0010	2.00	120.1
125	-2.85	.0026	.00080	.0010	2.00	120.1
126	-2.17	.0027	.00080	.0010	2.00	120.0
127	-1.49	.0029	.00080	.0010	2.00	120.0
128	-.82	.0030	.00080	.0010	2.00	120.1
129	-.12	.0030	.00080	.0010	2.00	120.1
130	.57	.0029	.00080	.0010	2.00	120.0
131	1.29	.0030	.00080	.0010	2.00	120.1
132	2.01	.0033	.00080	.0010	2.00	120.1
133	2.73	.0032	.00080	.0010	2.00	120.1
134	3.56	.0036	.00080	.0010	2.00	120.1
135	4.32	.0039	.00080	.0010	2.00	120.1
136	5.17	.0042	.00080	.0010	2.00	120.0
137	5.95	.0045	.00080	.0010	2.00	119.9
138	6.68	.0049	.00080	.0010	2.00	120.0
139	7.43	.0052	.00080	.0010	2.00	120.1
120	8.61	.0054	.00080	.0010	2.00	120.1
121	9.46	.0057	.00080	.0010	2.00	120.4
122	1.29	.0032	.00080	.0010	2.00	120.1

TEST 503													RUN 21	MACH .900	CONFIG. 3
POINT	WING	J	META	ALPHA	CN	CA	CM	CDLL	CYAW	CSIDE	CL	CD	L/D		
123	.901	359.45	.00	-5.65	-1334	.01036	.0359	.0004	.0007	-.0022	-.1317	.02163	-6.09		
124	.901	359.45	.01	-4.24	-.0729	.01244	.0295	.0002	.0006	-.0024	-.0717	.01599	-4.49		
125	.901	359.45	.01	-3.52	-.0439	.01331	.0259	.0002	.0005	-.0021	-.0430	.01418	-3.03		
126	.901	359.44	.01	-2.82	-.0132	.01418	.0217	.0001	.0004	-.0020	-.0125	.01301	-.76		
127	.900	357.96	.01	-2.19	.0129	.01472	.0179	-.0000	.0003	-.0019	.0135	.01242	1.09		
128	.901	359.45	.01	-1.45	.0407	.01511	.0160	-.0001	.0003	-.0017	.0411	.01228	3.34		
129	.901	359.45	.01	-.82	.0691	.01528	.0107	-.0001	.0003	-.0018	.0653	.01254	5.20		
130	.901	359.45	.01	-.15	.0909	.01528	.0074	-.0003	.0002	-.0016	.0909	.01325	6.94		
131	.901	359.45	.01	.55	.1192	.01520	.0041	-.0004	.0003	-.0017	.1190	.01454	8.19		
132	.901	359.14	.01	1.24	.1471	.01499	-.0013	-.0005	.0003	-.0016	.1467	.01636	9.97		
133	.900	357.96	.01	1.96	.1760	.01497	-.0019	-.0007	.0002	-.0016	.1753	.01919	9.14		
134	.900	359.22	.01	2.71	.2114	.01512	-.0057	-.0009	.0003	-.0014	.2105	.02328	8.04		
135	.900	359.23	.00	3.50	.2499	.01554	-.0094	-.0010	.0004	-.0014	.2485	.0276	6.58		
136	.900	357.50	.00	4.25	.2856	.01609	-.0124	-.0010	.0005	-.0014	.2837	.03241	6.01		
137	.901	359.02	.00	5.10	.3280	.01708	-.0149	-.0011	.0006	-.0016	.3252	.03735	7.33		
138	.901	359.09	.00	5.99	.3715	.01823	-.0178	-.0010	.0006	-.0015	.3675	.04501	6.68		
139	.901	357.50	.00	6.76	.4081	.01945	-.0180	-.0010	.0004	-.0014	.4030	.05558	6.14		
140	.901	359.13	.01	7.66	.4536	.02130	-.0194	-.0014	.0001	-.0012	.4447	.07990	5.60		
141	.901	359.20	.00	8.56	.5014	.02332	-.0236	-.0000	.0007	-.0020	.4924	.09595	5.14		
142	.900	357.94	.01	9.35	.5479	.02558	-.0294	-.0010	.0004	-.0021	.5364	.11242	4.77		
143	.901	359.27	.01	1.26	.1500	.01502	.0009	-.0005	.0002	-.0014	.1496	.01651	9.06		

POINT	ALPHA	CDC	CNR	COI	R/PT	TEMP
123	-5.65	.0027	.00080	.0010	2.00	119.0
124	-4.24	.0029	.00080	.0010	2.01	119.2
125	-3.52	.0029	.00080	.0010	2.01	119.5
126	-2.82	.0030	.00080	.0010	2.01	119.6
127	-2.19	.0032	.00080	.0010	2.00	119.7
128	-1.45	.0033	.00080	.0010	2.01	119.7
129	-.82	.0034	.00080	.0010	2.01	119.7
130	-.15	.0035	.00080	.0010	2.01	119.9
131	.55	.0035	.00080	.0010	2.01	119.9
132	1.24	.0037	.00080	.0010	2.00	120.0
133	1.96	.0037	.00080	.0010	2.00	120.1
134	2.71	.0038	.00080	.0010	2.00	120.0
135	3.50	.0040	.00080	.0010	2.00	120.0
136	4.25	.0042	.00080	.0010	2.00	120.0
137	5.10	.0044	.00080	.0010	2.00	120.0
138	5.99	.0049	.00080	.0010	2.00	120.0
139	6.76	.0052	.00080	.0010	2.00	120.0
140	7.66	.0056	.00080	.0010	2.00	120.0
141	8.56	.0058	.00080	.0010	2.00	119.9
142	9.35	.0059	.00080	.0010	2.00	120.0
143	1.26	.0036	.00080	.0010	2.00	120.1

TEST 503 RUN 22 MACH .800 CONFIG. 3

POINT	WING	Q	BETA	ALPHA	CX	CA	CC	CROLL	CVAW	CSIDE	CL	CD	L/D
144	.799	329.56	.01	-5.69	-.1303	.01034	.0331	.0004	.0007	-.0023	-.1207	.02142	-6.01
145	.802	329.48	.01	-4.25	-.0725	.01234	.0279	.0001	.0005	-.0019	-.0714	.01588	-6.49
146	.803	329.76	.01	-3.60	-.0473	.01318	.0252	.0001	.0005	-.0020	-.0464	.01430	-3.24
147	.802	330.03	.01	-2.90	-.0183	.01402	.0215	-.0000	.0004	-.0021	-.0175	.01313	-1.34
148	.803	330.03	.01	-2.21	.0113	.01471	.0179	-.0000	.0004	-.0019	.0119	.01246	.95
149	.800	330.10	.01	-1.60	.0317	.01500	.0192	-.0001	.0003	-.0018	.0321	.01231	2.61
150	.803	330.03	.01	-.94	.0575	.01521	.0120	-.0002	.0003	-.0019	.0577	.01246	4.63
151	.800	330.03	.01	-.23	.0845	.01520	.0090	-.0003	.0002	-.0016	.0845	.01306	6.47
152	.803	329.96	.01	.50	.1129	.01510	.0061	-.0004	.0003	-.0018	.1127	.01277	7.90
153	.800	329.96	.01	1.06	.1330	.01482	.0043	-.0006	.0003	-.0014	.1327	.01549	8.57
154	.803	330.10	.01	1.83	.1652	.01469	.0015	-.0007	.0003	-.0016	.1646	.01915	9.07
155	.803	329.27	.01	2.49	.1902	.01457	-.0007	-.0008	.0002	-.0013	.1894	.02101	9.01
156	.803	329.29	.00	3.16	.2204	.01474	-.0030	-.0009	.0003	-.0013	.2194	.02509	8.75
157	.803	329.42	.00	3.94	.2587	.01506	-.0054	-.0011	.0005	-.0014	.2571	.03178	8.27
158	.803	329.29	.00	4.74	.2939	.01545	-.0077	-.0010	.0005	-.0013	.2917	.03791	7.68
159	.800	329.21	.00	5.47	.3294	.01612	-.0107	-.0012	.0004	-.0015	.3253	.04554	7.14
160	.800	329.62	.00	6.34	.3734	.01733	-.0160	-.0011	.0004	-.0014	.3692	.05667	6.52
161	.800	329.49	.01	7.19	.4128	.01889	-.0219	-.0014	-.0001	-.0010	.4072	.06462	5.93
162	.800	329.62	.01	8.04	.4529	.02048	-.0277	-.0011	.0002	-.0012	.4456	.08182	5.45
163	.800	329.96	.00	8.81	.4989	.02222	-.0335	-.0001	.0007	-.0021	.4896	.09457	5.07
164	.803	329.61	.01	9.54	.5434	.02366	-.0393	-.0011	.0002	-.0018	.5320	.11226	4.74
165	.803	329.63	.01	1.10	.1376	.01480	-.0040	-.0005	.0002	-.0015	.1373	.01563	6.79

POINT	ALPHA	CL50	CDC	C9A	CO1	R/PT	TEMP
144	-4.67	.7166	.00033	.00080	.0010	2.00	119.6
145	-3.25	.7051	.00034	.00080	.0010	2.00	119.7
146	-3.60	.7021	.00034	.00080	.0010	2.00	119.9
147	-2.90	.6903	.00035	.00080	.0010	2.00	120.0
148	-2.21	.6781	.00036	.00080	.0010	2.00	120.0
149	-1.60	.6617	.00039	.00080	.0010	2.00	120.1
150	-.94	.6433	.00039	.00080	.0010	2.00	120.1
151	-.23	.6271	.00040	.00080	.0010	2.00	120.1
152	.50	.6127	.00040	.00080	.0010	2.00	120.1
153	1.06	.6016	.00042	.00080	.0010	2.00	120.0
154	1.83	.5921	.00041	.00080	.0010	2.00	120.0
155	2.49	.5839	.00041	.00080	.0010	2.00	120.0
156	3.16	.5761	.00044	.00080	.0010	2.00	120.0
157	3.94	.5681	.00046	.00080	.0010	2.00	120.0
158	4.74	.5611	.00047	.00080	.0010	2.00	120.0
159	5.47	.5559	.00050	.00080	.0010	2.00	120.0
160	6.34	.5513	.00053	.00080	.0010	2.00	120.0
161	7.19	.5479	.00056	.00080	.0010	2.00	120.0
162	8.04	.5456	.00059	.00080	.0010	2.00	120.1
163	8.81	.5447	.00059	.00080	.0010	2.00	120.1
164	9.58	.5450	.00061	.00080	.0010	2.00	120.1
165	1.10	.6189	.00041	.00080	.0010	2.00	120.1

TEST 503 RUN 27 MACH 1.200 CONFIG. 4

POINT	WING	Q	BETA	ALPHA	CX	CA	CC	CROLL	CVAW	CSIDE	CL	CD	L/D
176	1.200	417.59	.00	-6.14	-.1131	.02864	-.0076	-.0005	.0007	-.0022	-.1096	.03549	-1.06
177	1.201	417.66	.00	-4.67	-.0542	.02919	-.0002	.0003	.0007	-.0023	-.0516	.03041	-1.70
178	1.201	417.59	.01	-3.93	-.0242	.03021	-.0049	.0002	.0007	-.0022	-.0221	.02870	-.77
179	1.201	417.59	.01	-3.17	.0071	.03112	-.0091	.0002	.0007	-.0023	.0088	.02759	.32
180	1.201	417.67	.01	-2.50	.0344	.03175	-.0133	.0001	.0007	-.0023	.0358	.02712	1.32
181	1.201	417.64	.00	-1.80	.0619	.03243	-.0180	-.0000	.0006	-.0021	.0629	.02734	2.30
182	1.201	417.74	.01	-1.15	.0963	.03293	-.0222	-.0001	.0007	-.0022	.0870	.02810	3.10
183	1.201	417.69	.00	-.44	.1131	.03342	-.0269	-.0001	.0006	-.0019	.1134	.02939	3.86
184	1.201	417.69	.01	.23	.1431	.03390	-.0323	-.0003	.0005	-.0018	.1430	.03119	4.56
185	1.201	417.64	.01	.92	.1725	.03425	-.0373	-.0003	.0004	-.0018	.1719	.03391	5.07
186	1.201	417.69	.01	1.64	.2045	.03461	-.0427	-.0005	.0003	-.0015	.2034	.03714	5.45
187	1.201	417.66	.01	2.43	.2413	.03549	-.0490	-.0006	.0001	-.0010	.2396	.04260	5.62
188	1.200	417.63	.01	3.14	.2739	.03654	-.0539	-.0007	.0001	-.0010	.2715	.04839	5.61
189	1.200	417.53	.00	3.95	.3136	.03794	-.0594	-.0008	.0003	-.0010	.3102	.05642	5.50
190	1.200	417.36	.00	4.81	.3544	.03976	-.0660	-.0008	.0003	-.0011	.3498	.06624	5.28
191	1.200	417.54	.00	5.67	.3959	.04163	-.0740	-.0008	.0003	-.0010	.3899	.07742	5.04
192	1.199	417.36	.00	6.45	.4318	.04326	-.0711	-.0009	.0003	-.0011	.4242	.08842	4.80
193	1.201	417.66	.01	.93	.1748	.03435	-.0377	-.0003	.0004	-.0017	.1742	.03409	5.11

POINT	ALPHA	CL50	CDC	CO8	CO1	R/PT	TEMP
176	-6.14	.0120	.00147	.00210	.0010	2.00	120.7
177	-4.67	.0021	.00146	.00210	.0010	2.00	120.4
178	-3.93	.0005	.00153	.00210	.0010	2.00	120.4
179	-3.17	.0001	.00159	.00210	.0010	2.00	120.4
180	-2.50	.0013	.00172	.00210	.0010	2.00	120.4
181	-1.80	.0040	.00174	.00210	.0010	2.00	120.4
182	-1.15	.0076	.00175	.00210	.0010	2.00	120.4
183	-.44	.0128	.00174	.00210	.0010	2.00	120.4
184	.23	.0204	.00181	.00210	.0010	2.00	120.4
185	.92	.0296	.00185	.00210	.0010	2.00	120.4
186	1.64	.0414	.00189	.00210	.0010	2.00	120.1
187	2.43	.0574	.00193	.00210	.0010	2.00	120.1
188	3.14	.0737	.00195	.00210	.0010	2.00	120.1
189	3.95	.0967	.00195	.00210	.0010	2.00	120.1
190	4.81	.1224	.00192	.00210	.0010	2.00	120.1
191	5.67	.1520	.00189	.00210	.0010	2.00	120.1
192	6.45	.1866	.00185	.00210	.0010	2.00	120.1
193	.93	.0304	.00187	.00210	.0010	2.00	120.4

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TEST 503 RUN 32 PAGE 025 COMPIE. 6

Table with columns: DCIN, 0, DITA, ALPH, CA, FA, CA, CPUL, CVAR, CSIG, CL, CD, LFO. Rows 302-329.

Table with columns: DCIN, 0, DITA, ALPH, CA, FA, CA, CPUL, CVAR, CSIG, CL, CD, LFO. Rows 332-359.

TEST 503 RUN 33 PAGE 030 COMPIE. 6

Table with columns: DCIN, 0, DITA, ALPH, CA, FA, CA, CPUL, CVAR, CSIG, CL, CD, LFO. Rows 362-389.

Table with columns: DCIN, 0, DITA, ALPH, CA, FA, CA, CPUL, CVAR, CSIG, CL, CD, LFO. Rows 392-419.

		TEST 503		RUN 34		MACH 1.000		CONFIG. 4							
POINT	ALPHA	BETA	ALPHA	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
159	0.000	247.25	.01	-5.76	-1.000	.02476	.0010	.0004	.0005	-.0021	-.0070	.02200	-2.97		
160	0.000	247.17	.00	-4.42	-.0455	.02652	-.0020	.0001	.0005	-.0021	-.0036	.02016	-1.56		
161	0.003	246.90	.01	-3.01	-.0217	.02736	-.0056	.0001	.0005	-.0021	-.0040	.02002	-1.76		
162	0.000	246.97	.01	-3.15	.0050	.02625	-.0007	-.0000	.0005	-.0021	.0076	.02600	.20		
163	0.000	247.24	.01	-2.62	.2293	.02095	-.0116	-.0000	.0004	-.0017	.0070	.02503	1.15		
164	0.003	247.24	.01	-1.95	.0529	.02660	-.0467	-.0000	.0003	-.0010	.0530	.02500	2.07		
165	0.003	247.24	.01	-1.33	.0704	.03001	-.0170	-.0001	.0003	-.0010	.0771	.02642	2.92		
166	0.01	247.50	.01	-.71	.1011	.03022	-.0206	-.0002	.0001	-.0017	.1015	.02719	3.73		
167	0.003	247.24	.01	-.17	.1183	.03022	-.0227	-.0004	.0000	-.0015	.1183	.02600	4.21		
168	0.003	246.97	.01	.47	.1436	.03024	-.0252	-.0004	-.0001	-.0012	.1436	.02542	4.84		
169	0.000	247.24	.01	1.00	.1650	.02902	-.0271	-.0004	-.0001	-.0010	.1644	.02523	5.26		
170	0.003	247.11	.01	1.76	.1922	.02976	-.0294	-.0004	-.0001	-.0011	.1912	.02570	5.66		
171	0.003	247.10	.01	2.36	.2191	.02955	-.0316	-.0007	-.0001	-.0011	.2167	.02671	5.90		
172	0.000	246.93	.00	3.02	.2491	.02950	-.0336	-.0000	.0001	-.0011	.2462	.02603	6.03		
173	0.000	246.93	.00	3.66	.2753	.02906	-.0355	-.0004	.0004	-.0012	.2729	.02550	5.90		
174	0.000	246.93	.00	4.30	.3070	.03050	-.0376	-.0009	.0006	-.0013	.3046	.02502	5.87		
175	0.000	246.93	.00	5.05	.3411	.03163	-.0395	-.0010	.0005	-.0013	.3370	.02452	5.66		
176	0.000	246.93	.00	5.76	.3764	.03265	-.0419	-.0009	.0005	-.0014	.3715	.02406	5.43		
177	0.003	247.17	.00	6.44	.4110	.03370	-.0435	-.0009	.0004	-.0015	.4044	.02363	5.15		
178	0.003	246.90	.00	7.11	.4466	.03514	-.0440	-.0012	.0002	-.0013	.4379	.02319	4.94		
179	0.003	247.10	.01	7.89	.4799	.03715	-.0449	-.0012	.0002	-.0015	.4703	.02285	4.66		
180	0.000	246.93	.00	8.59	.5167	.03879	-.0459	-.0000	.0003	-.0015	.5032	.02242	4.44		
181	0.000	246.90	.00	9.30	.5523	.04004	-.0461	-.0004	.0004	-.0017	.5385	.02191	4.23		
182	0.000	246.90	.01	10.01	.5930	.04253	-.0463	-.0011	.0002	-.0018	.5766	.02149	4.03		
183	0.000	246.90	.01	11.50	.6490	.04623	-.0461	-.0014	.0003	-.0018	.6443	.02102	3.75		
184	0.000	246.93	.02	13.11	.7531	.05036	-.0460	-.0022	.0003	-.0014	.7240	.02049	3.31		
185	0.003	247.17	.03	14.41	.8273	.05407	-.0460	-.0021	-.0006	-.0014	.7970	.02001	3.07		
186	0.000	247.04	.01	15.2	1523	.03050	-.0261	-.0005	-.0001	-.0010	.1525	.03000	5.07		

POINT	ALPHA	CLSD	CDL	CDR	CDI	R/FT	TEMP
159	-5.76	.0006	.00131	.00000	.0010	1.50	114.2
160	-4.42	.0710	.00161	.00000	.0010	1.50	114.5
161	-3.01	.0306	.00163	.00000	.0010	1.50	114.7
162	-3.15	.0301	.00166	.00000	.0010	1.50	114.7
163	-2.62	.0000	.00160	.00000	.0010	1.50	120.0
164	-1.95	.0029	.00171	.00000	.0010	1.50	120.1
165	-1.33	.0350	.00173	.00000	.0010	1.50	120.1
166	-.71	.0103	.00177	.00000	.0010	1.50	120.1
167	-.17	.0107	.00182	.00000	.0010	1.50	120.1
168	.47	.0276	.00195	.00000	.0010	1.50	120.1
169	1.00	.0270	.00199	.00000	.0010	1.50	120.1
170	1.76	.0366	.00195	.00000	.0010	1.50	120.1
171	2.36	.0470	.00201	.00000	.0010	1.50	120.1
172	3.02	.0606	.00210	.00000	.0010	1.50	120.1
173	3.66	.0754	.00218	.00000	.0010	1.50	120.0
174	4.30	.0929	.00226	.00000	.0010	1.50	119.9
175	5.05	.1136	.00231	.00000	.0010	1.50	119.9
176	5.76	.1367	.00238	.00000	.0010	1.50	119.9
177	6.44	.1637	.00244	.00000	.0010	1.50	119.9
178	7.11	.1937	.00250	.00000	.0010	1.50	119.9
179	7.89	.2212	.00254	.00000	.0010	1.50	119.7
180	8.59	.2502	.00260	.00000	.0010	1.50	119.7
181	9.30	.2800	.00262	.00000	.0010	1.50	119.9
182	10.01	.3224	.00259	.00000	.0010	1.50	120.0
183	11.50	.4177	.00252	.00000	.0010	1.50	120.0
184	13.11	.5261	.00263	.00000	.0010	1.50	120.0
185	14.41	.6204	.00265	.00000	.0010	1.50	120.1
186	15.2	.0233	.00100	.00000	.0010	1.50	120.1

		TEST 503		RUN 35		MACH 1.200		CONFIG. 5							
POINT	ALPHA	BETA	ALPHA	CA	CB	CC	CD	CE	CF	CG	CH	CI	CJ	CK	CL
17	1.200	417.61	.00	-5.87	-.1397	.01189	.0192	.0005	.0011	-.0027	-.0	.3262	-3.48		
18	1.201	417.77	.00	-6.23	-.3716	.01662	.0276	.0002	.0009	-.0026	-.0	.01676	-4.20		
19	1.201	417.77	.00	-3.55	-.0420	.01554	.0232	.0002	.0000	-.0023	-.0016	.01505	-2.76		
20	1.201	417.69	.01	-2.46	-.0167	.01644	.0205	.0001	.0007	-.0023	-.0130	.01630	-.49		
21	1.201	417.76	.01	-2.13	.0160	.01731	.0151	.0000	.0007	-.0023	.0175	.01357	1.20		
22	1.201	417.69	.01	-1.44	.0470	.01702	.0107	-.0000	.0007	-.0023	.0424	.01663	3.11		
23	1.201	417.71	.01	-.77	.0713	.01826	.0064	-.0001	.0007	-.0022	.0715	.01619	5.04		
24	1.200	417.66	.01	-.10	.0975	.01855	.0000	-.0002	.0007	-.0022	.0975	.01520	6.30		
25	1.204	417.76	.00	.64	.1291	.01879	-.0004	-.0003	.0007	-.0022	.1279	.01711	7.47		
26	1.200	417.69	.00	1.35	.1597	.01994	-.0002	-.0004	.0000	-.0023	.1592	.01660	8.12		
27	1.201	417.71	.00	2.07	.1932	.01933	-.0148	-.0006	.0007	-.0019	.1924	.02321	8.20		
28	1.200	417.68	.00	2.85	.2299	.02004	-.0204	-.0007	.0006	-.0017	.2277	.02031	8.04		
29	1.203	417.76	.00	3.67	.2700	.02107	-.0230	-.0009	.0006	-.0016	.2681	.02522	7.41		
30	1.200	417.69	.00	4.51	.3092	.02219	-.0300	-.0000	.0006	-.0013	.3065	.04333	7.07		
31	1.203	417.63	.00	5.30	.3450	.02323	-.0330	-.0000	.0006	-.0013	.3414	.05100	6.50		
32	1.200	417.53	.00	6.16	.3834	.02447	-.0361	-.0009	.0006	-.0016	.3803	.06259	6.00		
33	1.200	417.63	.00	7.02	.4253	.02592	-.0389	-.0010	.0005	-.0016	.4190	.07460	5.62		
34	1.200	417.63	.00	7.92	.4676	.02782	-.0418	-.0011	.0006	-.0020	.4591	.08806	5.17		
35	1.203	417.54	.00	8.30	.4898	.02895	-.0433	-.0012	.0007	-.0022	.4893	.09607	4.95		
36	1.201	417.76	.00	1.44	.1744	.01922	-.0116	-.0004	.0007	-.0022	.1730	.02051	8.48		

POINT	ALPHA	CLSD	CDL	CDR	CDI	R/FT	TEMP
17	-5.87	.0190	.00115	.00210	.0010	2.00	170.4
18	-6.23	.0050	.00116	.00210	.0010	2.00	120.4
19	-3.55	.0017	.00116	.00210	.0010	2.00	170.2
20	-2.46	.0002	.00116	.00210	.0010	2.00	120.1
21	-2.13	.0001	.00116	.00210	.0010	2.00	120.1
22	-1.44	.0010	.00116	.00210	.0010	2.00	120.1
23	-.77	.0051	.00116	.00210	.0010	2.00	170.1
24	-.10	.0095	.00117	.00210	.0010	2.00	120.1
25	.64	.0183	.00119	.00210	.0010	2.00	120.1
26	1.35	.029	.00123	.00210	.0010	2.00	120.1
27	2.07	.0370	.00127	.00210	.0010	2.00	120.1
28	2.85	.0510	.00129	.00210	.0010	2.00	120.1
29	3.67	.0710	.00130	.00210	.0010	2.00	170.1
30	4.51	.0960	.00131	.00210	.0010	2.00	170.1
31	5.30	.1366	.00133	.00210	.0010	2.00	120.1
32	6.16	.1880	.00136	.00210	.0010	2.00	120.1
33	7.02	.2550	.00140	.00210	.0010	2.00	120.4
34	7.92	.3109	.00144	.00210	.0010	2.00	120.4
35	8.30	.3807	.00150	.00210	.0010	2.00	120.4
36	1.44	.0302	.00128	.00210	.0010	2.00	120.1

ORIGINAL PAGE IS OF POOR QUALITY



TEST 503		RUN 36		MACH 1.000			CONFIG. 5						
POINT	WIND	BETA	ALPHA	CA	CB	CC	CDLL	CYAW	CSIDE	CL	CD	L/D	
17	1.000	341.03	.00	-5.71	-.1376	.01199	.0399	.0006	.0010	-.0024	-.1350	.02342	-5.80
18	1.000	341.05	.00	-4.23	-.0742	.01400	.0321	.0004	.0008	-.0023	-.0730	.01742	-4.19
19	1.000	341.17	.00	-3.47	-.0397	.01515	.0260	.0003	.0007	-.0023	-.0367	.01543	-2.51
21	1.001	341.57	.00	-2.80	-.0126	.01500	.0224	.0003	.0004	-.0021	-.0117	.01430	-.82
24	1.001	341.25	.01	-2.14	.0163	.01639	.0175	.0002	.0004	-.0020	.0169	.01367	1.23
27	1.000	341.97	.00	-1.48	.0425	.01673	.0131	.0002	.0004	-.0019	.0429	.01353	3.17
31	.999	340.82	.01	-.91	.0707	.01893	.0062	.0001	.0004	-.0020	.0710	.01303	5.12
34	1.000	341.03	.00	-.12	.0905	.01713	.0040	-.0001	.0005	-.0017	.0906	.01482	6.65
37	1.000	341.13	.00	.60	.1207	.01720	-.0005	-.0003	.0005	-.0017	.1205	.01444	7.01
40	.999	340.93	.00	1.29	.1509	.01713	-.0007	-.0004	.0005	-.0018	.1505	.01060	8.52
43	1.000	341.08	.00	2.02	.1794	.01740	-.0009	-.0005	.0005	-.0015	.1796	.02211	9.71
46	1.000	340.97	.00	2.81	.2107	.01782	-.0149	-.0008	.0006	-.0014	.2295	.02702	9.50
49	.999	340.84	-.00	3.55	.2637	.01947	-.0191	-.0008	.0006	-.0015	.2641	.03279	8.05
52	.999	340.99	-.00	4.38	.3078	.01947	-.0232	-.0011	.0006	-.0013	.3054	.04081	7.44
55	.999	340.91	-.00	5.24	.3496	.02060	-.0258	-.0011	.0006	-.0013	.3462	.05043	6.86
58	.999	340.97	-.00	6.09	.3893	.02184	-.0279	-.0012	.0004	-.0013	.3848	.06095	6.31
61	.998	340.92	-.00	6.95	.4320	.02324	-.0301	-.0009	.0006	-.0014	.4260	.07321	5.82
64	.997	340.26	.00	7.84	.4760	.02496	-.0329	-.0009	.0006	-.0016	.4682	.08757	5.35
67	1.001	341.77	.00	8.79	.5224	.02749	-.0374	-.0008	.0007	-.0020	.5124	.10414	4.92
70	1.000	341.05	.00	9.84	.5336	.02801	-.0379	-.0007	.0007	-.0021	.5248	.12882	4.62
73	1.000	341.20	.00	1.35	.1692	.01741	-.0063	-.0004	.0005	-.0017	.1688	.01930	9.75

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TEMP
17	-5.71	.0144	-.00009	.00110	.0010	2.00	120.1
18	-4.23	.0053	-.00010	.00110	.0010	2.00	120.1
19	-3.47	.0015	-.00010	.00110	.0010	2.00	120.1
21	-2.80	.0031	-.00010	.00110	.0010	2.00	120.1
24	-2.14	.0003	-.00008	.00110	.0010	2.00	120.6
27	-1.48	.0014	-.00007	.00110	.0010	2.00	120.6
31	-.91	.0050	-.00006	.00110	.0010	2.00	120.6
34	-.12	.0097	-.00006	.00110	.0010	2.00	120.2
37	.60	.0165	-.00007	.00110	.0010	2.00	120.1
40	1.29	.0251	-.00005	.00110	.0010	2.00	120.1
43	2.02	.0371	-.00005	.00110	.0010	2.00	119.9
46	2.81	.0527	-.00003	.00110	.0010	2.00	119.9
49	3.55	.0697	-.00001	.00110	.0010	2.00	119.9
52	4.38	.0933	.00001	.00110	.0010	2.00	120.0
55	5.24	.1199	.00004	.00110	.0010	2.00	120.0
58	6.09	.1491	.00005	.00110	.0010	2.00	120.1
61	6.95	.1815	.00009	.00110	.0010	2.00	120.1
64	7.84	.2192	.00011	.00110	.0010	2.00	120.1
67	8.79	.2625	.00023	.00110	.0010	2.00	120.5
70	9.84	.2754	.00024	.00110	.0010	2.00	120.7
73	1.35	.0295	-.00006	.00110	.0010	2.00	120.6

TEST 33		RUN 37		MACH .975			CONFIG. 5						
POINT	WIND	BETA	ALPHA	CA	CB	CC	CDLL	CYAW	CSIDE	CL	CD	L/D	
34	.975	375.35	.00	-5.70	-.1376	.01091	.0395	.0006	.0010	-.0025	-.1397	.02290	-5.95
39	.975	375.63	.00	-4.25	-.0764	.01284	.0319	.0005	.0008	-.0024	-.0752	.01676	-4.44
43	.976	375.56	.00	-3.53	-.0456	.01367	.0275	.0003	.0006	-.0020	-.0447	.01475	-3.03
48	.976	375.04	.01	-2.86	-.0153	.01445	.0224	.0001	.0004	-.0021	-.0145	.01350	-1.09
52	.975	375.37	.01	-2.18	.0130	.01505	.0178	.0002	.0005	-.0018	.0135	.01244	1.05
57	.975	375.47	.01	-1.50	.0408	.01549	.0133	-.0000	.0005	-.0018	.0412	.01272	3.24
61	.976	375.51	.01	-.81	.0692	.01568	.0086	-.0001	.0005	-.0019	.0694	.01300	5.34
65	.976	375.05	.01	-.14	.0976	.01572	.0044	-.0003	.0005	-.0018	.0976	.01378	7.09
69	.975	375.30	.01	.59	.1280	.01576	.0000	-.0004	.0004	-.0018	.1278	.01539	9.30
73	.975	375.52	.00	1.27	.1582	.01577	-.0044	-.0005	.0004	-.0015	.1579	.01756	9.99
77	.975	375.51	.00	2.01	.1924	.01587	-.0093	-.0007	.0005	-.0016	.1918	.02090	9.17
80	.973	374.79	.00	2.74	.2261	.01613	-.0130	-.0009	.0005	-.0019	.2251	.02522	8.93
83	.975	375.35	-.00	3.54	.2682	.01699	-.0194	-.0010	.0006	-.0014	.2644	.03180	8.39
86	.975	375.37	-.00	4.34	.3090	.01800	-.0233	-.0010	.0007	-.0014	.3067	.03963	7.74
89	.976	375.20	-.00	5.17	.3486	.01913	-.0259	-.0009	.0007	-.0015	.3454	.04877	7.09
92	.975	375.47	.00	6.02	.3883	.02059	-.0274	-.0013	.0004	-.0013	.3840	.05947	6.46
95	.975	375.30	.00	6.96	.4340	.02231	-.0291	-.0011	.0005	-.0015	.4301	.07331	5.87
98	.975	375.36	-.00	7.84	.4797	.02417	-.0315	-.0009	.0006	-.0014	.4719	.08770	5.38
101	.975	375.47	-.00	8.72	.5275	.02635	-.0350	-.0001	.0010	-.0024	.5174	.10429	4.96
104	.975	375.47	.00	9.03	.5425	.02711	-.0361	-.0003	.0009	-.0024	.5315	.11022	4.62
107	.975	375.37	.01	1.35	.1698	.01588	-.0057	-.0006	.0004	-.0016	.1694	.01618	9.37

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TEMP
34	-5.70	.0184	.00009	.00070	.0010	2.00	120.2
39	-4.25	.0057	.00009	.00070	.0010	2.00	120.2
43	-3.53	.0020	.00009	.00070	.0010	2.00	120.2
48	-2.86	.0002	.00011	.00070	.0010	2.00	120.2
52	-2.18	.0002	.00010	.00070	.0010	2.00	120.2
57	-1.50	.0017	.00010	.00070	.0010	2.00	120.1
61	-.81	.0068	.00012	.00070	.0010	2.00	120.1
65	-.14	.0134	.00012	.00070	.0010	2.00	120.0
69	.59	.0211	.00011	.00070	.0010	2.00	120.0
73	1.27	.0299	.00012	.00070	.0010	2.00	119.9
77	2.01	.0389	.00013	.00070	.0010	2.00	120.0
80	2.74	.0507	.00016	.00070	.0010	2.00	120.0
83	3.54	.0711	.00016	.00070	.0010	2.00	120.1
86	4.34	.0941	.00019	.00070	.0010	2.00	120.1
89	5.17	.1193	.00023	.00070	.0010	2.00	120.1
92	6.02	.1474	.00024	.00070	.0010	2.00	120.1
95	6.96	.1850	.00027	.00070	.0010	2.00	120.1
98	7.84	.2227	.00036	.00070	.0010	2.00	120.1
101	8.72	.2677	.00032	.00070	.0010	2.00	120.1
104	9.03	.2925	.00031	.00070	.0010	2.00	120.1
107	1.35	.0247	.00014	.00070	.0010	2.00	120.1

TEST 503		RUN 38		MACH .950		CONFIG. 5							
POINT	WING	B	BETA	ALPHA	CN	CA	CN	CROLL	CYAW	CSIDE	CL	CD	L/D
70	.952	370.42	.00	-5.77	-.1420	.01022	.0105	.0005	.0000	-.0024	-.1402	.02275	-6.20
80	.951	370.31	.00	-4.34	-.0814	.01229	.0314	.0002	.0008	-.0023	-.0002	.01671	-6.00
91	.953	369.83	.00	-3.59	-.0406	.01320	.0270	.0002	.0007	-.0022	-.0477	.01440	-3.27
82	.953	369.93	.01	-2.85	-.0156	.01620	.0220	.0002	.0006	-.0019	-.0148	.01333	-1.11
93	.951	370.22	.01	-2.10	.0117	.01487	.0100	.0001	.0005	-.0019	.0122	.01271	-0.90
94	.951	370.15	.01	-1.63	.0343	.01317	.0144	-.0000	.0005	-.0019	.0347	.01240	2.70
95	.953	369.63	.01	-.95	.0623	.01546	.0101	-.0001	.0005	-.0019	.0629	.01273	4.91
86	.949	369.54	.01	-.29	.0880	.01550	.0064	-.0002	.0004	-.0017	.0881	.01336	6.60
97	.951	370.24	.01	.44	.1105	.01557	.0022	-.0004	.0004	-.0017	.1104	.01470	8.01
98	.953	369.92	.01	1.13	.1479	.01532	-.0014	-.0005	.0004	-.0018	.1476	.01653	9.93
99	.951	373.02	.00	1.86	.1709	.01540	-.0053	-.0007	.0004	-.0015	.1783	.01940	9.15
91	.951	370.09	.00	2.61	.2150	.01540	-.0101	-.0008	.0004	-.0015	.2148	.02171	9.06
92	.953	369.64	-.00	3.39	.2554	.01619	-.0157	-.0010	.0004	-.0014	.2540	.02350	8.54
72	.952	369.72	-.00	4.14	.2944	.01693	-.0216	-.0011	.0007	-.0015	.2923	.02649	7.97
73	.952	369.81	-.00	5.01	.3380	.01808	-.0277	-.0010	.0008	-.0017	.3351	.02977	7.29
74	.951	369.76	-.00	5.91	.3811	.01933	-.0350	-.0009	.0008	-.0018	.3771	.03477	6.64
75	.943	369.96	.00	6.76	.4224	.02090	-.0426	-.0011	.0006	-.0016	.4170	.04001	6.06
76	.943	369.80	.00	7.65	.4672	.02277	-.0513	-.0010	.0005	-.0016	.4600	.04610	5.54
77	.942	369.38	.00	8.54	.5160	.02487	-.0610	-.0002	.0009	-.0023	.5064	.05294	5.09
96	.943	369.75	.00	9.23	.5647	.02687	-.0719	-.0006	.0007	-.0023	.5452	.06111	4.79
99	.951	373.11	.01	1.33	.1656	.01560	-.0036	-.0006	.0005	-.0018	.1654	.01773	6.33

POINT	ALPHA	CLSD	CDP	CND	CDI	R/PT	TEMP
70	-5.77	.0197	.00010	.00070	.0010	2.00	120.1
80	-4.34	.0304	.00018	.00070	.0010	2.00	120.0
91	-3.59	.0323	.00019	.00070	.0010	2.00	120.0
82	-2.85	.0332	.00019	.00070	.0010	2.00	120.0
93	-2.10	.0301	.00019	.00070	.0010	2.00	120.1
94	-1.63	.0312	.00021	.00070	.0010	2.00	120.1
95	-.95	.0339	.00021	.00070	.0010	2.00	120.1
86	-.29	.0374	.00021	.00070	.0010	2.00	120.1
97	.44	.0360	.00020	.00070	.0010	2.00	120.1
98	1.13	.0214	.00023	.00070	.0010	2.00	120.1
99	1.86	.0331	.00022	.00070	.0010	2.00	120.1
91	2.61	.0461	.00024	.00070	.0010	2.00	120.1
92	3.39	.0645	.00027	.00070	.0010	2.00	120.1
72	4.14	.0855	.00029	.00070	.0010	2.00	120.1
73	5.01	.1123	.00031	.00070	.0010	2.00	120.1
74	5.91	.1422	.00034	.00070	.0010	2.00	120.1
75	6.76	.1733	.00037	.00070	.0010	2.00	120.1
76	7.65	.2116	.00040	.00070	.0010	2.00	120.1
77	8.54	.2500	.00042	.00070	.0010	2.00	120.1
78	9.23	.2872	.00043	.00070	.0010	2.00	120.1
79	1.33	.0274	.00022	.00070	.0010	2.00	120.1

TEST 503		RUN 39		MACH .925		CONFIG. 5							
POINT	WING	B	BETA	ALPHA	CN	CA	CN	CROLL	CYAW	CSIDE	CL	CD	L/D
100	.925	363.43	.00	-5.90	-.1475	.03001	.0375	.0004	.0000	-.0023	-.1457	.02311	-6.30
101	.925	364.02	.00	-4.30	-.0784	.01232	.0303	.0003	.0007	-.0022	-.0773	.01636	-6.72
102	.925	363.69	.00	-3.62	-.0402	.01324	.0264	.0003	.0006	-.0020	-.0473	.01444	-3.27
103	.924	363.45	.01	-2.93	-.0215	.01401	.0227	.0001	.0004	-.0020	-.0209	.01331	-1.64
104	.925	363.50	.01	-2.37	.0022	.01460	.0190	.0000	.0006	-.0020	.0020	.01270	.22
105	.925	363.50	.01	-1.65	.0331	.01515	.0145	-.0001	.0005	-.0020	.0336	.01239	2.71
106	.925	363.73	.01	-.93	.0622	.01530	.0103	-.0001	.0005	-.0018	.0625	.01258	4.97
107	.925	364.09	.01	-.25	.0894	.01547	.0067	-.0003	.0005	-.0018	.0885	.01320	6.60
108	.926	364.02	.01	.31	.1132	.01545	.0037	-.0004	.0004	-.0018	.1131	.01441	7.95
109	.925	364.02	.01	1.04	.1427	.01527	.0002	-.0005	.0005	-.0018	.1423	.01618	9.00
110	.926	363.95	.01	1.81	.1724	.01514	-.0032	-.0007	.0004	-.0016	.1710	.01942	9.13
111	.925	363.63	.00	2.54	.2099	.01531	-.0076	-.0008	.0004	-.0014	.2090	.02296	9.10
112	.923	362.93	.00	3.31	.2449	.01571	-.0113	-.0010	.0006	-.0016	.2436	.02704	8.69
113	.927	364.61	-.00	4.04	.2795	.01755	-.0166	-.0011	.0007	-.0015	.2784	.03427	7.38
114	.927	364.30	-.00	5.87	.3700	.01850	-.0293	-.0009	.0004	-.0018	.3661	.05445	6.72
115	.926	363.23	.00	6.64	.4106	.01995	-.0415	-.0011	.0007	-.0018	.4055	.06577	6.17
116	.926	364.02	.00	7.53	.4550	.02179	-.0529	-.0010	.0004	-.0014	.4490	.07998	5.61
117	.922	362.53	.00	8.38	.4968	.02335	-.0660	-.0000	.0008	-.0021	.4881	.09375	5.21
118	.924	363.43	.01	9.30	.5322	.02616	-.0823	-.0011	.0004	-.0014	.5407	.11320	4.77
119	.927	364.40	.01	9.45	.5620	.02674	-.0938	-.0012	.0004	-.0020	.5500	.11850	4.71
120	.923	362.77	.01	1.14	.1533	.01532	-.0006	-.0006	.0005	-.0017	.1529	.01663	6.19

POINT	ALPHA	CLSD	CDP	CND	CDI	R/PT	TEMP
100	-5.90	.0212	.00024	.00080	.0010	2.00	119.9
101	-4.30	.0300	.00023	.00080	.0010	2.00	120.0
102	-3.62	.0322	.00025	.00080	.0010	2.00	120.1
103	-2.93	.0334	.00024	.00080	.0010	2.00	120.1
104	-2.37	.0300	.00025	.00080	.0010	2.00	120.1
105	-1.65	.0311	.00026	.00080	.0010	2.00	120.1
106	-.93	.0339	.00025	.00080	.0010	2.00	120.1
107	-.25	.0378	.00026	.00080	.0010	2.00	120.1
108	.31	.0328	.00027	.00080	.0010	2.00	120.1
109	1.04	.0203	.00027	.00080	.0010	2.00	120.1
110	1.81	.0295	.00028	.00080	.0010	2.00	120.0
111	2.54	.0437	.00030	.00080	.0010	2.00	119.9
112	3.31	.0584	.00033	.00080	.0010	2.00	119.9
113	4.04	.0764	.00035	.00080	.0010	2.00	119.9
114	5.87	.1160	.00042	.00080	.0010	2.00	120.0
115	6.64	.1644	.00041	.00080	.0010	2.00	120.1
116	7.53	.2010	.00045	.00080	.0010	2.00	120.1
117	8.38	.2493	.00048	.00080	.0010	2.00	120.1
118	9.30	.2923	.00046	.00080	.0010	2.00	120.1
119	9.45	.3025	.00049	.00080	.0010	2.00	120.1
120	1.14	.0234	.00031	.00080	.0010	2.00	120.0

ORIGINAL PAGE IS OF POOR QUALITY

TEST 503 RUN 40 NACH .000 CONFIG. 5

Table with columns: POINT, HINP, Q, BETA, ALPHA, CN, CA, CB, CROLL, CVAN, CSIDE, CL, CD, L/D. Rows 121-142.

Table with columns: POINT, ALPHA, CLSO, COC, CDB, CDI, A/FT, TEMP. Rows 121-142.

TEST 503 RUN 41 NACH .000 CONFIG. 5

Table with columns: POINT, HINP, Q, BETA, ALPHA, CN, CA, CB, CROLL, CVAN, CSIDE, CL, CD, L/D. Rows 143-165.

Table with columns: POINT, ALPHA, CLSO, COC, CDB, CDI, A/FT, TEMP. Rows 143-165.

TEST 503 RUN 42 MACH 1.200 CONFIG. 6

POINT	WING	Q	RETA	ALPHA	CX	CA	CY	CROLL	CYAW	CSIDE	CL	CD	L/D
19	1.200	417.14	.01	-5.72	-.1041	.01309	-.0245	-.0005	-.0006	-.0019	-.1022	.02110	-4.04
20	1.200	417.21	.01	-4.23	-.0420	.01442	-.0157	-.0004	-.0005	-.0019	-.0406	.01634	-2.49
21	1.200	417.19	.01	-3.51	-.0125	.01743	-.0113	-.0004	-.0004	-.0018	-.0114	.01506	-1.76
22	1.200	417.24	.01	-2.83	-.0135	.01825	-.0088	-.0002	-.0004	-.0018	-.0144	.01444	1.00
23	1.200	417.24	.01	-2.14	-.0421	.01406	-.0020	-.0002	-.0004	-.0020	-.0428	.01437	2.99
24	1.200	417.19	.01	-1.47	-.0684	.01463	-.0025	-.0002	-.0005	-.0018	-.0688	.01477	4.44
25	1.200	417.19	.01	-.75	-.0960	.02009	-.0072	-.0001	-.0004	-.0014	-.0962	.01573	6.12
26	1.200	417.19	.01	-.06	-.1216	.02036	-.0118	-.0000	-.0004	-.0017	-.1236	.01713	7.21
27	1.200	417.24	.01	.65	-.1534	.02054	-.0164	-.0003	-.0004	-.0017	-.1535	.01919	8.00
28	1.200	417.13	.01	1.35	-.1838	.02064	-.0215	-.0003	-.0005	-.0016	-.1839	.02144	8.33
29	1.200	417.21	.01	2.10	-.2163	.02105	-.0267	-.0005	-.0003	-.0014	-.2153	.02395	8.39
30	1.200	417.13	.01	2.83	-.2495	.02179	-.0316	-.0004	-.0002	-.0011	-.2491	.03100	9.00
31	1.199	416.99	.00	3.63	-.2881	.02240	-.0365	-.0007	-.0002	-.0009	-.2860	.03387	7.55
32	1.199	416.96	.01	4.44	-.3267	.02391	-.0406	-.0008	-.0002	-.0011	-.3238	.04403	7.04
33	1.199	416.87	.00	5.31	-.3665	.02510	-.0439	-.0007	-.0001	-.0007	-.3627	.05579	6.50
34	1.199	416.98	.01	6.14	-.4055	.02634	-.0469	-.0009	-.0000	-.0005	-.4004	.06660	6.01
35	1.199	416.92	.01	7.03	-.4458	.02786	-.0494	-.0010	-.0001	-.0006	-.4390	.07905	5.55
36	1.197	416.71	.01	7.93	-.4876	.02979	-.0521	-.0011	-.0000	-.0009	-.4788	.09371	5.11
37	1.200	417.19	.01	1.34	-.1849	.02064	-.0216	-.0004	-.0004	-.0017	-.1843	.02192	8.41

POINT	ALPHA	CLSO	CDC	CDX	CDI	RFFT	TFMP
19	-5.72	.0104	-.00114	.00210	.0010	2.00	120.5
20	-4.23	.0017	-.00114	.00210	.0010	2.00	120.4
21	-3.51	.0001	-.00115	.00210	.0010	2.00	120.4
22	-2.83	.0002	-.00114	.00210	.0010	2.00	120.4
23	-2.14	.0010	-.00116	.00210	.0010	2.00	120.4
24	-1.47	.0007	-.00115	.00210	.0010	2.00	120.4
25	-.75	.0003	-.00115	.00210	.0010	2.00	120.4
26	-.06	.0153	-.00116	.00210	.0010	2.00	120.4
27	.65	.0236	-.00119	.00210	.0010	2.00	120.4
28	1.35	.0336	-.00123	.00210	.0010	2.00	120.1
29	2.10	.0464	-.00127	.00210	.0010	2.00	120.1
30	2.83	.0616	-.00129	.00210	.0010	2.00	120.1
31	3.63	.0819	-.00130	.00210	.0010	2.00	120.1
32	4.44	.1049	-.00131	.00210	.0010	2.00	120.1
33	5.31	.1315	-.00135	.00210	.0010	2.00	120.1
34	6.14	.1603	-.00137	.00210	.0010	2.00	120.1
35	7.03	.1927	-.00139	.00210	.0010	2.00	120.4
36	7.93	.2293	-.00142	.00210	.0010	2.00	120.4
37	1.34	.0340	-.00125	.00210	.0010	2.00	120.2

TEST 503 RUN 43 MACH 1.200 CONFIG. 6

POINT	WING	Q	RETA	ALPHA	CX	CA	CY	CROLL	CYAW	CSIDE	CL	CD	L/D
39	.999	380.67	.00	-5.74	-.0955	.01368	-.0175	-.0004	-.0006	-.0018	-.0936	.02106	-4.44
40	.999	380.83	.01	-4.22	-.0321	.01610	-.0097	-.0004	-.0003	-.0015	-.0308	.01632	-1.99
41	1.000	380.95	.01	-3.57	-.0033	.01708	-.0059	-.0004	-.0003	-.0014	-.0024	.01517	-1.16
42	1.000	381.10	.01	-2.84	-.0275	.01901	-.0017	-.0003	-.0003	-.0016	-.0263	.01493	1.80
43	1.000	381.22	.01	-2.19	-.0513	.01964	-.0022	-.0002	-.0002	-.0013	-.0519	.01458	3.56
44	1.002	381.27	.01	-1.48	-.0900	.01919	-.0065	-.0002	-.0002	-.0015	-.0805	.01501	5.36
45	1.001	381.25	.01	-.74	-.1329	.01954	-.0105	-.0000	-.0002	-.0014	-.1064	.01594	6.64
46	1.002	381.19	.01	.94	-.1838	.01968	-.0164	-.0002	-.0002	-.0014	-.1324	.01725	7.71
47	1.002	381.19	.01	1.29	-.2329	.01958	-.0234	-.0005	-.0003	-.0013	-.1636	.01923	4.31
48	1.001	381.32	.00	2.09	-.2809	.01977	-.0273	-.0005	-.0002	-.0011	-.1923	.02190	8.92
49	1.003	381.05	.00	2.79	-.3264	.02010	-.0309	-.0007	-.0003	-.0010	-.2291	.03068	8.55
50	.998	380.54	.00	3.54	-.3753	.02040	-.0344	-.0008	-.0003	-.0010	-.2634	.03669	8.00
51	.999	380.40	-.00	4.38	-.4268	.02174	-.0377	-.0011	-.0004	-.0008	-.3141	.04332	7.37
52	.999	380.49	.00	5.25	-.4777	.02309	-.0407	-.0011	-.0002	-.0007	-.3740	.05045	6.76
53	.998	380.80	.00	6.14	-.5204	.02460	-.0440	-.0011	-.0001	-.0007	-.4153	.06709	6.10
54	.999	380.69	.01	7.02	-.5627	.02605	-.0469	-.0008	-.0000	-.0006	-.4560	.08033	5.68
55	.999	380.65	.00	7.89	-.6064	.02786	-.0494	-.0005	-.0003	-.0010	-.4974	.09400	5.24
56	1.000	381.09	.01	8.54	-.6483	.02943	-.0519	-.0004	-.0001	-.0013	-.5299	.10724	4.94
57	1.003	381.02	.01	1.29	-.1937	.01941	-.0223	-.0004	-.0003	-.0014	-.1932	.02168	8.91

POINT	ALPHA	CLSO	CDC	CDX	CDI	RFFT	TFMP
39	-5.74	.0098	-.00009	.00110	.0010	2.00	120.2
40	-4.22	.0017	-.00007	.00110	.0010	2.00	120.1
41	-3.57	.0000	-.00007	.00110	.0010	2.00	120.0
42	-2.84	.0007	-.00007	.00110	.0010	2.00	120.0
43	-2.19	.0027	-.00007	.00110	.0010	2.00	120.0
44	-1.48	.0065	-.00007	.00110	.0010	2.00	120.0
45	-.74	.0113	-.00007	.00110	.0010	2.00	120.0
46	-.06	.0264	-.00007	.00110	.0010	2.00	120.0
47	1.29	.0370	-.00009	.00110	.0010	2.00	120.0
48	2.09	.0529	-.00004	.00110	.0010	2.00	120.0
49	2.79	.0671	-.00002	.00110	.0010	2.00	120.1
50	3.54	.0861	.00001	.00110	.0010	2.00	120.1
51	4.38	.1116	.00003	.00110	.0010	2.00	120.1
52	5.25	.1399	.00005	.00110	.0010	2.00	120.1
53	6.14	.1725	.00009	.00110	.0010	2.00	120.4
54	7.02	.2080	.00013	.00110	.0010	2.00	120.4
55	7.89	.2476	.00026	.00110	.0010	2.00	120.2
56	8.54	.2904	.00037	.00110	.0010	2.00	120.0
57	1.29	.0373	-.00004	.00110	.0010	2.00	120.0

TEST 503 RUN 44 NACH .975 CONFIG. 6

POINT	QIMP	Q	QETA	ALPHA	CA	CB	CD	CDLL	CYAN	CSIDE	CL	CD	L/D
50	.975	375.72	.01	-5.62	-.0096	.01204	-.0170	-.0005	.0005	-.0010	-.0070	.01904	-6.43
50	.975	375.77	.01	-4.26	-.0231	.01404	-.0099	-.0004	.0002	-.0014	-.0319	.06598	-2.05
60	.976	375.93	.01	-3.55	-.0017	.01505	-.0056	-.0003	.0002	-.0014	-.0007	.03422	-2.05
61	.977	376.25	.01	-2.84	-.0275	.01679	-.0013	-.0002	.0002	-.0015	-.0203	.01370	2.07
62	.975	375.96	.01	-2.14	.0544	.01720	-.0030	-.0000	.0000	-.0013	.0570	.01340	4.23
63	.976	375.20	.01	-1.44	.0015	.01701	-.0067	-.0000	.0002	-.0013	.0019	.01402	5.04
64	.977	376.23	.01	-.81	.1003	.01914	-.0100	-.0001	.0001	-.0014	.1000	.01404	7.20
65	.975	375.50	.01	-.13	.1362	.01022	-.0147	-.0003	.0002	-.0015	.1362	.01022	8.40
66	.975	375.61	.01	.56	.1631	.01021	-.0100	-.0003	.0002	-.0012	.1640	.01013	9.09
67	.975	375.44	.01	1.20	.1950	.01013	-.0227	-.0004	.0002	-.0014	.1940	.02070	9.36
68	.975	375.72	.01	1.90	.2263	.01030	-.0271	-.0003	.0002	-.0012	.2255	.02054	9.19
69	.975	375.60	.00	2.75	.2617	.01000	-.0311	-.0000	.0002	-.0010	.2605	.02064	8.79
70	.975	375.50	.00	3.53	.2996	.01052	-.0340	-.0000	.0003	-.0010	.2970	.02025	8.22
71	.975	375.60	.00	4.37	.3393	.02063	-.0376	-.0011	.0004	-.0011	.3370	.02076	7.53
72	.975	375.70	.00	5.24	.3793	.02196	-.0385	-.0011	.0004	-.0008	.3757	.02063	6.85
73	.975	375.66	.01	6.14	.4193	.02330	-.0392	-.0011	.0000	-.0007	.4144	.02060	6.24
74	.975	375.45	.01	7.01	.4617	.02492	-.0407	-.0000	.0000	-.0006	.4582	.02057	5.76
75	.976	375.36	.00	7.88	.5054	.02675	-.0427	-.0005	.0003	-.0011	.4970	.02040	5.28
76	.975	375.50	.00	8.55	.5427	.02835	-.0440	-.0001	.0000	-.0017	.5324	.02050	4.97
77	.975	375.50	.01	1.20	.1953	.01013	-.0220	-.0004	.0002	-.0012	.1940	.02070	9.37

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TEMP
50	-5.62	.0077	.00010	.00070	.0010	2.00	120.1
53	-4.26	.0010	.00009	.00070	.0010	2.00	120.1
60	-3.55	.0000	.00009	.00070	.0010	2.00	120.1
61	-2.84	.0008	.00009	.00070	.0010	2.00	120.1
62	-2.14	.0032	.00013	.00070	.0010	2.00	120.2
63	-1.44	.0067	.00011	.00070	.0010	2.00	120.2
64	-.81	.0110	.00010	.00070	.0010	2.00	120.1
65	-.13	.0186	.00012	.00070	.0010	2.00	120.0
66	.56	.0272	.00013	.00070	.0010	2.00	119.9
67	1.20	.0370	.00013	.00070	.0010	2.00	119.9
68	1.90	.0500	.00013	.00070	.0010	2.00	119.9
69	2.75	.0670	.00015	.00070	.0010	2.00	119.9
70	3.53	.0887	.00017	.00070	.0010	2.00	120.0
71	4.37	.1136	.00020	.00070	.0010	2.00	120.0
72	5.24	.1412	.00024	.00070	.0010	2.00	120.1
73	6.14	.1717	.00027	.00070	.0010	2.00	120.1
74	7.01	.2072	.00031	.00070	.0010	2.00	120.1
75	7.88	.2470	.00036	.00070	.0010	2.00	120.1
76	8.55	.2915	.00039	.00070	.0010	2.00	120.0
77	1.20	.0380	.00013	.00070	.0010	2.00	120.1

TEST 503 RUN 45 NACH .950 CONFIG. 6

POINT	QIMP	Q	QETA	ALPHA	CA	CB	CD	CDLL	CYAN	CSIDE	CL	CD	L/D
78	.951	369.96	.00	-5.63	-.0920	.01202	-.0175	-.0005	.0005	-.0017	-.0911	.01904	-6.59
79	.951	370.22	.01	-4.25	-.0523	.01499	-.0103	-.0002	.0004	-.0016	-.0311	.01524	-2.04
80	.951	369.99	.01	-3.51	.0001	.01532	-.0061	-.0001	.0002	-.0016	.0011	.01370	.00
81	.951	370.00	.01	-2.83	.0203	.01643	-.0019	-.0001	.0003	-.0010	.0290	.01351	2.15
82	.951	370.11	.01	-2.16	.0597	.01702	-.0021	-.0000	.0002	-.0014	.0563	.01321	4.26
83	.949	369.27	.01	-1.48	.0826	.01704	-.0020	-.0000	.0000	-.0017	.0830	.01360	6.10
84	.953	369.77	.01	-.78	.1099	.01770	-.0101	-.0002	.0002	-.0015	.1101	.01450	7.59
85	.953	369.62	.01	-.09	.1370	.01779	-.0130	-.0003	.0002	-.0016	.1370	.01500	8.60
86	.952	369.77	.01	.62	.1664	.01760	-.0172	-.0003	.0002	-.0016	.1662	.01771	9.30
87	.953	369.69	.01	1.27	.1934	.01753	-.0200	-.0000	.0003	-.0014	.1930	.02011	9.60
88	.951	370.05	.01	2.02	.2276	.01775	-.0237	-.0007	.0003	-.0013	.2269	.02005	9.43
89	.953	369.79	.00	2.76	.2623	.01903	-.0299	-.0009	.0002	-.0009	.2611	.02007	9.01
90	.953	369.78	.00	3.54	.3010	.01801	-.0334	-.0010	.0003	-.0012	.2993	.02047	8.39
91	.953	369.83	-.00	4.33	.3375	.01963	-.0364	-.0009	.0006	-.0013	.3350	.02036	7.73
92	.950	369.49	.00	5.26	.3816	.02103	-.0374	-.0010	.0003	-.0010	.3781	.02022	6.97
93	.949	369.50	.01	6.11	.4225	.02241	-.0383	-.0010	.0001	-.0009	.4167	.02027	6.36
94	.953	369.61	.01	6.97	.4617	.02392	-.0394	-.0009	.0002	-.0010	.4554	.02006	5.83
95	.953	369.60	.01	7.86	.5054	.02580	-.0409	-.0009	.0000	-.0007	.4971	.02001	5.35
96	.950	369.61	.00	8.77	.5525	.02810	-.0424	-.0003	.0006	-.0020	.5418	.02020	4.91
97	.951	369.90	.01	1.30	.1967	.01756	-.0213	-.0006	.0002	-.0015	.1963	.02032	9.66

POINT	ALPHA	CLSO	CDC	CDR	CDI	R/PT	TEMP
78	-5.60	.0003	.00010	.00070	.0010	2.00	120.1
79	-4.25	.0010	.00010	.00070	.0010	2.00	120.1
80	-3.51	.0000	.00020	.00070	.0010	2.00	120.1
81	-2.83	.0000	.00019	.00070	.0010	2.00	120.1
82	-2.16	.0032	.00020	.00070	.0010	2.00	120.1
83	-1.48	.0069	.00021	.00070	.0010	2.00	120.1
84	-.78	.0121	.00020	.00070	.0010	2.00	120.1
85	-.09	.0190	.00021	.00070	.0010	2.00	120.1
86	.62	.0276	.00023	.00070	.0010	2.00	120.1
87	1.27	.0372	.00022	.00070	.0010	2.00	120.1
88	2.02	.0515	.00022	.00070	.0010	2.00	120.1
89	2.76	.0692	.00025	.00070	.0010	2.00	120.1
90	3.54	.0896	.00027	.00070	.0010	2.00	120.1
91	4.33	.1122	.00030	.00070	.0010	2.00	120.1
92	5.26	.1429	.00034	.00070	.0010	2.00	120.1
93	6.11	.1736	.00037	.00070	.0010	2.00	120.1
94	6.97	.2074	.00041	.00070	.0010	2.00	120.1
95	7.86	.2471	.00045	.00070	.0010	2.00	120.0
96	8.77	.2933	.00049	.00070	.0010	2.00	119.9
97	1.30	.0385	.00022	.00070	.0010	2.00	120.1

TEST 503 RUN 46 MACH .925 CONFIG. 6

POINT	W/F	Q	BETA	ALPHA	CX	CA	CC	CRULL	CVAW	CSIDE	CL	CD	L/D
99	.925	361.06	.00	-5.69	-.0937	.01225	.0177	.0004	.0005	-.0017	-.0020	.01967	-4.69
100	.925	361.59	.01	-4.22	-.0318	.01445	.0109	.0002	.0003	-.0018	-.0006	.01495	-7.05
101	.925	363.65	.01	-3.53	-.0040	.01533	.0075	.0002	.0003	-.0015	-.0030	.01376	-7.27
102	.925	363.67	.01	-2.91	.0273	.01621	.0031	.0001	.0002	-.0014	-.0200	.01506	2.15
103	.925	363.23	.01	-2.15	.0230	.01670	-.0005	-.0000	.0002	-.0015	-.0536	.01531	4.13
104	.925	363.23	.01	-1.44	.0001	.01710	-.0042	-.0000	.0002	-.0014	-.0005	.01531	6.05
105	.925	363.23	.01	-.00	.0057	.01736	-.0070	-.0002	.0002	-.0014	-.1059	.01531	7.52
106	.925	363.30	.01	-.13	.1324	.01745	-.0112	-.0003	.0001	-.0013	.1324	.01534	9.63
107	.925	363.36	.01	.60	.1612	.01729	-.0145	-.0005	.0003	-.0014	.1610	.01714	9.34
108	.925	363.38	.01	1.29	.1900	.01706	-.0178	-.0006	.0003	-.0014	.1876	.01954	9.70
109	.925	363.65	.01	2.02	.2264	.01708	-.0221	-.0007	.0002	-.0011	.2257	.02318	9.65
110	.925	363.00	.00	2.79	.2591	.01734	-.0250	-.0007	.0002	-.0010	.2580	.02517	9.16
111	.925	363.29	.00	3.54	.2942	.01797	-.0289	-.0011	.0004	-.0011	.2945	.03042	9.56
112	.925	363.16	-.03	4.40	.3348	.01896	-.0329	-.0009	.0004	-.0013	.3344	.04205	7.70
113	.925	363.41	-.09	5.19	.3750	.02007	-.0368	-.0009	.0004	-.0014	.3725	.05218	7.14
114	.925	362.77	.00	6.04	.4129	.02110	-.0405	-.0010	.0003	-.0010	.4084	.06270	6.91
115	.925	363.23	.01	6.90	.4544	.02208	-.0443	-.0009	.0001	-.0009	.4486	.07552	5.84
116	.925	363.20	.01	7.82	.5000	.02404	-.0483	-.0010	-.0001	-.0007	.4420	.09001	5.42
117	.925	362.95	.00	8.72	.5481	.02695	-.0527	-.0000	.0007	-.0020	.5377	.10793	6.50
118	.925	363.16	.00	9.62	.5939	.02770	-.0570	-.0002	.0008	-.0021	.5525	.11404	4.86
119	.925	363.66	.01	1.32	.1921	.01711	-.0192	-.0006	.0003	-.0015	.1917	.01971	9.72

POINT	ALPHA	CL50	CLC	CD0	CD1	R/FT	TEMP
99	-5.69	.0085	.00024	.00000	.0010	2.00	120.1
100	-4.22	.0030	.00024	.00000	.0010	2.00	120.1
101	-3.53	.0009	.00024	.00000	.0010	2.00	120.1
102	-2.91	.0038	.00026	.00000	.0010	2.00	120.1
103	-2.15	.0075	.00025	.00000	.0010	2.00	120.1
104	-1.44	.0065	.00076	.00000	.0010	2.00	120.1
105	-.00	.0112	.00026	.00000	.0010	2.00	120.1
106	.60	.0175	.00076	.00000	.0010	2.00	120.1
107	1.29	.0245	.00027	.00000	.0010	2.00	120.1
108	1.29	.0350	.00029	.00000	.0010	2.00	120.1
109	2.79	.0655	.00031	.00000	.0010	2.00	120.1
110	3.54	.1067	.00032	.00000	.0010	2.00	120.0
111	4.42	.1514	.00034	.00000	.0010	2.00	120.0
112	5.19	.1937	.00037	.00000	.0010	2.00	120.0
113	6.04	.2404	.00043	.00000	.0010	2.00	120.0
114	6.90	.2912	.00044	.00000	.0010	2.00	120.0
115	7.82	.3421	.00051	.00000	.0010	2.00	120.0
116	8.72	.3991	.00056	.00000	.0010	2.00	120.0
117	9.62	.4653	.00055	.00000	.0010	2.00	120.0
118	1.32	.0367	.00027	.00000	.0010	2.00	120.1

TEST 503 RUN 47 MACH .900 CONFIG. 6

POINT	W/F	Q	BETA	ALPHA	CX	CA	CC	CRULL	CVAW	CSIDE	CL	CD	L/D
119	.900	357.39	.00	-5.63	-.0286	.01242	.0171	.0005	.0006	-.0018	-.0069	.01925	-4.57
120	.900	357.34	.01	-4.22	-.0305	.01443	.0109	.0002	.0004	-.0017	-.0294	.01443	-1.99
121	.900	357.65	.01	-3.51	-.0023	.01533	.0075	.0001	.0003	-.0014	-.0014	.01364	-7.10
122	.900	357.27	.01	-2.82	.0250	.01610	.0031	.0000	.0002	-.0013	.0266	.01301	2.04
123	.900	357.39	.01	-2.16	.0253	.01668	.0002	.0000	.0002	-.0013	.0529	.01240	4.10
124	.900	357.34	.01	-1.49	.0785	.01710	-.0033	-.0001	.0003	-.0016	.0789	.01326	5.45
125	.900	357.27	.01	-.02	.1035	.01728	-.0068	-.0002	.0002	-.0014	.1039	.01400	7.41
126	.900	357.30	.01	.56	.1306	.01730	-.0098	-.0003	.0002	-.0014	.1306	.01520	8.59
127	.900	357.22	.01	1.25	.1567	.01707	-.0124	-.0004	.0002	-.0014	.1565	.01681	9.31
128	.900	357.22	.01	1.97	.1839	.01692	-.0154	-.0006	.0003	-.0014	.1835	.01902	9.65
129	.900	357.33	.01	2.72	.2154	.01675	-.0187	-.0007	.0002	-.0014	.2147	.02235	9.60
130	.900	357.03	.01	3.51	.2487	.01690	-.0224	-.0009	.0002	-.0011	.2476	.02697	9.21
131	.900	357.00	.00	4.31	.2867	.01742	-.0261	-.0012	.0003	-.0010	.2851	.03312	8.61
132	.900	357.33	-.00	5.12	.3274	.01817	-.0298	-.0011	.0006	-.0011	.3251	.04096	7.96
133	.900	356.97	-.00	5.97	.3650	.01917	-.0338	-.0009	.0006	-.0013	.3619	.04845	7.26
134	.900	356.91	.00	6.84	.4031	.02031	-.0379	-.0009	.0006	-.0012	.3988	.05620	6.61
135	.900	356.95	.01	7.72	.4437	.02195	-.0421	-.0011	.0001	-.0007	.4379	.06421	6.01
136	.900	356.73	.01	8.54	.4874	.02376	-.0467	-.0011	-.0001	-.0007	.4798	.07222	5.50
137	.900	356.95	.00	9.34	.5351	.02576	-.0516	-.0003	.0000	-.0020	.5253	.08059	5.07
138	.900	356.91	.01	9.34	.5749	.02784	-.0561	-.0010	.0003	-.0018	.5647	.11914	4.74
139	.900	357.15	.01	1.28	.1890	.01683	-.0160	-.0006	.0002	-.0013	.1884	.01926	9.70

POINT	ALPHA	CL50	CLC	CD0	CD1	R/FT	TEMP
119	-5.63	.0076	.00027	.00000	.0010	2.00	119.9
120	-4.22	.0069	.00024	.00000	.0010	2.00	119.9
121	-3.51	.0000	.00027	.00000	.0010	2.00	119.9
122	-2.82	.0007	.00029	.00000	.0010	2.00	119.9
123	-2.16	.0028	.00029	.00000	.0010	2.00	119.9
124	-1.49	.0062	.00029	.00000	.0010	2.00	120.0
125	-.02	.0108	.00030	.00000	.0010	2.00	120.1
126	.56	.0171	.00031	.00000	.0010	2.00	120.1
127	1.25	.0245	.00031	.00000	.0010	2.00	120.1
128	1.25	.0337	.00032	.00000	.0010	2.00	120.1
129	1.97	.0461	.00033	.00000	.0010	2.00	120.1
130	2.72	.0613	.00034	.00000	.0010	2.00	120.1
131	3.51	.0813	.00036	.00000	.0010	2.00	120.1
132	4.31	.1057	.00039	.00000	.0010	2.00	120.1
133	5.12	.1306	.00042	.00000	.0010	2.00	119.9
134	5.97	.1590	.00045	.00000	.0010	2.00	119.9
135	6.84	.1918	.00048	.00000	.0010	2.00	119.9
136	7.72	.2302	.00054	.00000	.0010	2.00	119.9
137	8.54	.2759	.00059	.00000	.0010	2.00	119.9
138	9.34	.3194	.00060	.00000	.0010	2.00	120.0
139	1.28	.0356	.00032	.00000	.0010	2.00	120.0

ORIGINAL PAGE IS  
OF POOR QUALITY

		TST 503		RUN 48		MACH .800		CONFIG. 6					
POINT	W/F	B	BETA	ALPHA	CM	CA	CH	CRDL	CVAM	CSIDE	CL	CD	L/D
140	.799	329.63	.00	-5.62	-.0987	.01231	.0168	.0004	.0005	-.0017	-.0071	.01914	-4.55
141	.799	329.63	.01	-4.19	-.0312	.01440	.0115	.0000	.0003	-.0015	-.0301	.01404	-2.03
142	.800	329.70	.01	-3.51	-.0023	.01520	.0002	.0001	.0003	-.0010	-.0014	.01357	-1.19
143	.800	329.90	.01	-2.86	.0220	.01594	.0053	.0000	.0003	-.0010	.0220	.01104	1.75
144	.803	329.98	.01	-2.19	.0494	.01650	.0020	-.0000	.0003	-.0010	.0502	.01247	3.40
145	.803	329.98	.01	-1.56	.0710	.01687	-.0006	-.0001	.0003	-.0010	.0714	.01312	5.44
146	.802	330.70	.01	-.40	.0973	.01699	-.0030	-.0002	.0003	-.0010	.0976	.01370	7.12
147	.800	329.91	.01	-.21	.1211	.01701	-.0061	-.0004	.0002	-.0017	.1212	.01470	9.21
148	.803	330.10	.01	.44	.1455	.01686	-.0085	-.0005	.0003	-.0017	.1454	.01617	9.55
149	.831	330.65	.01	1.15	.1734	.01645	-.0109	-.0006	.0003	-.0015	.1730	.01811	9.55
150	.799	329.63	.01	1.83	.2009	.01623	-.0131	-.0006	.0002	-.0015	.2002	.02062	9.62
151	.802	329.71	.00	2.51	.2289	.01614	-.0155	-.0007	.0002	-.0009	.2280	.02335	9.30
152	.803	329.70	.00	3.27	.2623	.01620	-.0177	-.0010	.0004	-.0013	.2610	.02940	8.89
153	.800	329.97	.00	4.04	.2989	.01667	-.0198	-.0011	.0005	-.0014	.2970	.03590	8.27
154	.803	330.04	.00	4.81	.3341	.01719	-.0215	-.0011	.0004	-.0012	.3315	.04335	7.45
155	.793	329.64	.00	5.60	.3702	.01815	-.0231	-.0011	.0003	-.0011	.3687	.05217	7.00
156	.803	330.05	.01	6.37	.4056	.01944	-.0233	-.0011	-.0001	-.0006	.4050	.06252	6.41
157	.800	330.05	.01	7.25	.4433	.02118	-.0231	-.0012	-.0001	-.0006	.4420	.07577	5.83
158	.800	330.05	.01	8.12	.4830	.02271	-.0232	-.0006	.0002	-.0012	.4817	.09047	5.36
159	.798	329.62	.01	9.04	.5237	.02410	-.0231	-.0003	.0004	-.0017	.5224	.10805	4.99
160	.799	329.56	.01	9.74	.5707	.02523	-.0232	-.0003	.0001	-.0016	.5689	.12210	4.64
161	.799	329.23	.02	10.34	.6150	.02801	-.0231	-.0003	-.0003	-.0016	.6000	.13611	4.41
162	.800	329.69	.01	1.11	.1709	.01650	-.0105	-.0004	.0003	-.0010	.1706	.01800	9.40
163	.800	329.37	.01	1.16	.1743	.01644	-.0109	-.0004	.0002	-.0016	.1739	.01821	9.55

POINT	ALPHA	CL50	CDC	CD0	CD1	R/FY	TEMP
140	-5.62	.0070	-.00032	-.00000	.0010	2.00	120.1
141	-4.19	.0009	-.00032	-.00000	.0010	2.00	120.1
142	-3.51	.0000	-.00033	-.00000	.0010	2.00	120.1
143	-2.86	.0304	-.00033	.00000	.0010	2.00	120.1
144	-2.19	.0025	-.00034	-.00000	.0010	2.00	120.1
145	-1.56	.0351	-.00035	-.00000	.0010	2.00	120.1
146	-.40	.0095	-.00034	-.00000	.0010	2.00	120.0
147	-.21	.0147	-.00034	-.00000	.0010	2.00	120.0
148	.44	.0211	-.00034	-.00000	.0010	2.00	120.0
149	1.15	.0299	-.00037	-.00000	.0010	2.00	119.9
150	1.83	.0401	-.00039	-.00000	.0010	2.00	120.0
151	2.51	.0520	-.00040	-.00000	.0010	2.00	120.0
152	3.27	.0641	-.00041	-.00000	.0010	2.00	120.1
153	4.04	.0782	-.00043	-.00000	.0010	2.00	120.1
154	4.81	.1003	-.00044	-.00000	.0010	2.00	120.1
155	5.60	.1344	-.00049	-.00000	.0010	2.00	120.1
156	6.37	.1607	-.00051	-.00000	.0010	2.00	120.1
157	7.25	.1954	-.00054	-.00000	.0010	2.00	120.0
158	8.12	.2320	-.00059	-.00000	.0010	2.00	120.0
159	9.04	.2740	-.00060	-.00000	.0010	2.00	119.9
160	9.74	.3216	-.00061	-.00000	.0010	2.00	120.0
161	10.34	.3600	-.00060	-.00000	.0010	2.00	120.1
162	1.11	.0291	-.00037	-.00000	.0010	2.00	120.0
163	1.16	.0302	-.00037	-.00000	.0010	2.00	120.1

		TST 503		RUN 93		MACH 1.200		CONFIG.					
POINT	W/F	B	BETA	ALPHA	CM	CA	CH	CRDL	CVAM	CSIDE	CL	CD	L/D
174	1.199	417.32	.01	-5.60	-.0971	.01365	.0223	-.0004	.0002	-.0014	-.0953	.01995	-4.74
175	1.203	417.54	.01	-4.12	-.0303	.01421	.0138	-.0005	.0001	-.0012	-.0391	.01540	-2.23
176	1.203	417.58	.01	-3.42	-.0089	.01721	.0094	-.0004	.0001	-.0012	-.0074	.01459	-1.51
177	1.203	417.63	.01	-2.72	.0205	.01917	.0049	-.0003	.0001	-.0013	.0213	.01400	1.51
178	1.203	417.63	.01	-2.02	.0474	.01994	.0002	-.0002	.0001	-.0014	.0480	.01415	3.30
179	1.203	417.54	.01	-1.35	.0740	.01952	-.0003	-.0001	.0001	-.0011	.0733	.01427	5.07
180	1.203	417.53	.01	-.67	.1004	.01994	-.0008	.0001	.0000	-.0011	.1004	.01570	6.41
181	1.203	417.63	.01	.04	.1295	.02020	-.0134	-.0001	-.0000	-.0009	.1295	.01720	7.40
182	1.200	417.59	.01	.73	.1577	.02094	-.0183	-.0003	-.0000	-.0009	.1574	.01937	8.13
183	1.233	417.53	.01	1.43	.1866	.02040	-.0220	-.0003	-.0001	-.0008	.1861	.02215	8.40
184	1.233	417.61	.01	2.10	.2203	.02104	-.0261	-.0005	-.0001	-.0007	.2194	.02633	8.33
185	1.200	417.63	.01	2.99	.2567	.02184	-.0329	-.0007	-.0001	-.0007	.2552	.03212	7.95
186	1.203	417.58	.01	3.80	.2944	.02282	-.0370	-.0007	-.0001	-.0005	.2923	.03917	7.46
187	1.203	417.66	.01	4.62	.3313	.02342	-.0400	-.0009	-.0001	-.0004	.3283	.04742	6.92
188	1.199	417.51	.01	5.44	.3694	.02500	-.0424	-.0008	-.0002	-.0002	.3654	.05712	6.40
189	1.199	417.53	.01	6.35	.4088	.02634	-.0452	-.0009	-.0004	-.0002	.4034	.06822	5.91
190	1.199	417.50	.02	7.17	.4453	.02760	-.0474	-.0011	-.0006	-.0000	.4384	.07947	5.40
191	1.199	417.50	.02	8.04	.4882	.02973	-.0501	-.0013	-.0010	-.0004	.4792	.09479	5.05
192	1.200	417.60	.01	1.40	.1944	.02079	-.0241	-.0003	-.0001	-.0008	.1938	.02272	8.53

POINT	ALPHA	CL50	CDC	CD0	CD1	R/FY	TEMP
174	-5.60	.0091	.00114	.00210	.0010	2.00	120.7
175	-4.12	.0012	.00115	.00210	.0010	2.00	120.3
176	-3.42	.0001	.00116	.00210	.0010	2.00	120.3
177	-2.72	.0005	.00116	.00210	.0010	2.00	120.4
178	-2.02	.0023	.00116	.00210	.0010	2.00	120.4
179	-1.35	.0055	.00116	.00210	.0010	2.00	120.1
180	-.67	.0101	.00116	.00210	.0010	2.00	120.2
181	.04	.0169	.00118	.00210	.0010	2.00	120.2
182	.73	.0240	.00120	.00210	.0010	2.00	120.7
183	1.43	.0344	.00124	.00210	.0010	2.00	120.1
184	2.10	.0491	.00127	.00210	.0010	2.00	120.1
185	2.99	.0651	.00129	.00210	.0010	2.00	120.1
186	3.80	.0854	.00131	.00210	.0010	2.00	120.1
187	4.62	.1078	.00132	.00210	.0010	2.00	120.1
188	5.44	.1335	.00133	.00210	.0010	2.00	120.1
189	6.35	.1627	.00132	.00210	.0010	2.00	120.4
190	7.17	.1922	.00133	.00210	.0010	2.00	120.4
191	8.04	.2296	.00138	.00210	.0010	2.00	120.4
192	1.40	.0176	.00124	.00210	.0010	2.00	120.2

TEST 503 RUN 54 MACH 1.000 CONFIG. 7

POINT	WIND	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSINE	CL	CD	L/D
193	.000	390.25	.01	-5.62	-.0903	.01320	.0150	.0006	.0002	-.0013	-.0006	.01996	-4.44
194	1.070	390.65	.01	-4.17	-.0309	.01567	.0088	.0005	.0000	-.0010	-.0296	.01577	-1.88
195	1.501	391.00	.01	-3.40	.0011	.01695	.0044	.0004	-.0000	-.0011	.0021	.01464	.14
196	.000	391.62	.01	-2.75	.0300	.01744	.0001	.0002	-.0001	-.0009	.0300	.01399	2.22
197	.000	391.07	.01	-2.04	.0563	.01903	-.0030	.0002	-.0000	-.0008	.0560	.01397	4.10
198	.000	390.50	.01	-1.42	.0827	.01869	-.0080	.0001	-.0001	-.0010	.0832	.01454	5.72
199	.000	390.42	.01	-.74	.1105	.01912	-.0122	.0000	-.0001	-.0009	.1107	.01554	7.10
200	1.000	390.70	.01	-.03	.1385	.01930	-.0163	-.0002	-.0001	-.0009	.1385	.01712	8.09
201	1.000	390.75	.01	.66	.1656	.01936	-.0199	-.0003	-.0001	-.0007	.1654	.01916	8.73
202	1.000	390.63	.01	1.39	.1944	.01922	-.0238	-.0004	-.0001	-.0007	.1950	.02184	9.97
203	.000	390.94	.01	2.09	.2273	.01924	-.0275	-.0005	-.0002	-.0005	.2284	.02540	11.79
204	.000	390.07	.01	2.89	.2624	.01922	-.0310	-.0008	-.0001	-.0006	.2611	.03101	13.52
205	.000	390.44	.01	3.68	.2996	.02075	-.0339	-.0009	-.0001	-.0004	.2976	.03707	15.37
206	.000	390.60	.00	4.50	.3388	.02227	-.0367	-.0010	-.0000	-.0002	.3360	.04470	17.20
207	.000	390.17	.00	5.37	.3769	.02331	-.0380	-.0010	-.0000	-.0004	.3730	.05336	19.02
208	.000	390.35	.01	6.25	.4179	.02482	-.0391	-.0009	-.0001	-.0004	.4127	.06007	20.86
209	.000	390.07	.01	7.11	.4594	.02657	-.0409	-.0007	-.0004	-.0005	.4526	.06813	22.79
210	.000	390.27	.01	7.99	.5034	.02867	-.0433	-.0008	-.0006	.0000	.4445	.07850	24.82
211	.000	390.14	.02	8.87	.5571	.03067	-.0469	-.0012	-.0008	.0003	.5263	.10119	26.97
212	.000	390.17	.01	1.40	.2008	.01921	-.0243	-.0005	-.0001	-.0007	.2002	.02201	9.19

POINT	ALPHA	CLSO	FDC	CNR	CNI	R/FT	TEMP
193	-5.62	.0074	-.00005	.00110	.0010	2.00	120.1
194	-4.17	.0009	-.00007	.00110	.0010	2.00	120.2
195	-3.40	.0000	-.00004	.00110	.0010	2.00	120.4
196	-2.75	.0009	-.00005	.00110	.0010	2.00	120.4
197	-2.04	.0032	-.00004	.00110	.0010	2.00	120.1
198	-1.42	.0069	-.00005	.00110	.0010	2.00	120.0
199	-.74	.0123	-.00006	.00110	.0010	2.00	120.0
200	.66	.0192	-.00006	.00110	.0010	2.00	120.0
201	1.39	.0273	-.00006	.00110	.0010	2.00	120.0
202	1.94	.0384	-.00004	.00110	.0010	2.00	119.9
203	2.09	.0513	-.00001	.00110	.0010	2.00	120.0
204	2.89	.0681	-.00001	.00110	.0010	2.00	120.1
205	3.68	.0896	.00004	.00110	.0010	2.00	120.1
206	4.50	.1129	.00002	.00110	.0010	2.00	120.1
207	5.37	.1392	.00000	.00110	.0010	2.00	120.1
208	6.25	.1703	.00010	.00110	.0010	2.00	120.1
209	7.11	.2068	.00014	.00110	.0010	2.00	120.1
210	7.99	.2465	.00018	.00110	.0010	2.00	120.0
211	8.87	.2970	.00022	.00110	.0010	2.00	120.1
212	1.40	.0601	-.00003	.00110	.0010	2.00	120.2

TEST 503 RUN 55 MACH .975 CONFIG. 7

POINT	WIND	Q	BETA	ALPHA	CN	CA	CM	CROLL	CVAW	CSINE	CL	CD	L/D
213	.075	375.63	.01	-5.57	-.0882	.01213	.0157	.0005	.0001	-.0012	-.0866	.01994	-4.57
214	.075	375.42	.01	-4.13	-.0253	.01440	.0041	.0004	-.0000	-.0011	-.0242	.01444	-1.67
215	.075	375.52	.01	-3.43	.0035	.01541	.0039	.0003	-.0000	-.0010	.0045	.01347	.33
216	.075	375.52	.01	-2.78	.0291	.01619	.0032	.0002	-.0001	-.0011	.0290	.01376	2.29
217	.075	375.52	.01	-2.07	.0579	.01693	-.0040	.0001	-.0001	-.0011	.0565	.01314	4.45
218	.075	375.52	.01	-1.37	.0860	.01742	-.0092	.0000	-.0001	-.0011	.0864	.01365	6.33
219	.075	375.52	.01	-.71	.1123	.01771	-.0120	-.0001	-.0001	-.0009	.1125	.01467	7.70
220	.076	375.69	.01	-.00	.1397	.01789	-.0157	-.0003	-.0001	-.0008	.1387	.01614	9.57
221	.075	375.42	.01	.66	.1653	.01786	-.0194	-.0004	-.0001	-.0009	.1651	.01706	11.14
222	.075	375.47	.01	1.40	.1944	.01793	-.0241	-.0004	-.0002	-.0006	.1989	.02110	12.93
223	.075	375.52	.01	2.10	.2303	.01822	-.0280	-.0005	-.0002	-.0006	.2295	.02494	14.90
224	.075	375.47	.01	2.89	.2689	.01977	-.0315	-.0008	-.0001	-.0007	.2647	.03044	17.00
225	.075	375.42	.01	3.65	.3000	.01954	-.0341	-.0010	-.0001	-.0005	.2987	.03691	19.08
226	.076	375.47	.00	4.54	.3417	.02083	-.0360	-.0009	.0000	-.0005	.3390	.04610	21.35
227	.075	375.47	.01	5.39	.3801	.02222	-.0369	-.0010	-.0000	-.0006	.3764	.05609	23.71
228	.076	375.31	.01	6.23	.4184	.02362	-.0375	-.0008	-.0001	-.0005	.4134	.06721	26.15
229	.075	375.37	.01	7.14	.4615	.02544	-.0387	-.0007	-.0004	-.0001	.4547	.08048	28.62
230	.076	375.26	.01	8.00	.5065	.02743	-.0409	-.0008	-.0006	.0001	.4958	.09568	31.19
231	.075	375.37	.02	8.80	.5464	.02948	-.0430	-.0012	-.0009	.0003	.5354	.11119	33.82
232	.075	375.47	.01	1.45	.2062	.01802	-.0250	-.0004	-.0001	-.0006	.2057	.02153	9.56

POINT	ALPHA	CLSO	FDC	CNR	CNI	R/FT	TEMP
213	-5.57	.0075	.00010	.00070	.0010	2.00	120.0
214	-4.13	.0006	.00011	.00070	.0010	2.00	120.1
215	-3.43	.0000	.00011	.00070	.0010	2.00	120.1
216	-2.78	.0009	.00011	.00070	.0010	2.00	120.1
217	-2.07	.0034	.00011	.00070	.0010	2.00	120.1
218	-1.37	.0075	.00012	.00070	.0010	2.00	120.1
219	-.71	.0127	.00012	.00070	.0010	2.00	120.2
220	-.00	.0192	.00012	.00070	.0010	2.00	120.1
221	.66	.0272	.00013	.00070	.0010	2.00	120.1
222	1.40	.0396	.00013	.00070	.0010	2.00	120.1
223	2.10	.0527	.00014	.00070	.0010	2.00	120.1
224	2.89	.0701	.00016	.00070	.0010	2.00	120.1
225	3.65	.0960	.00019	.00070	.0010	2.00	120.1
226	4.54	.1169	.00022	.00070	.0010	2.00	120.1
227	5.39	.1416	.00025	.00070	.0010	2.00	120.1
228	6.23	.1709	.00029	.00070	.0010	2.00	120.1
229	7.14	.2068	.00033	.00070	.0010	2.00	120.1
230	8.00	.2459	.00037	.00070	.0010	2.00	120.1
231	8.80	.2867	.00039	.00070	.0010	2.00	120.1
232	1.45	.0623	.00014	.00070	.0010	2.00	120.1

ORIGINAL PAGE IS OF POOR QUALITY



TEST 503 RUN 56 MACH .950 CONFIG. 7

POINT	WING	Q	REF	ALPHA	CX	CA	CM	CRLL	CVAW	CSIDE	CL	CD	L/D
233	.950	365.95	.01	-5.61	-.0096	.01173	.0161	.0009	.0001	-.0014	-.0000	.01673	-6.70
234	.951	370.24	.01	-4.13	-.0276	.01401	.0090	.0002	-.0000	-.0011	-.0265	.01426	-1.66
235	.951	370.40	.01	-3.39	.0040	.01504	.0047	.0002	-.0000	-.0011	.0049	.01308	.37
236	.951	370.24	.01	-2.73	.0319	.01585	.0007	.0001	-.0000	-.0011	.0026	.01262	2.59
237	.951	370.44	.01	-2.07	.0549	.01644	-.0030	.0000	-.0001	-.0010	.0573	.01260	4.52
238	.951	370.69	.01	-1.40	.0852	.01699	-.0074	-.0000	-.0001	-.0010	.0894	.01320	6.49
239	.951	370.13	.01	-.70	.1133	.01716	-.0112	-.0002	-.0001	-.0010	.1135	.01407	8.06
240	.952	370.37	.01	.01	.1416	.01726	-.0150	-.0004	-.0001	-.0009	.1416	.01554	9.09
241	.951	370.46	.01	.64	.1667	.01725	-.0182	-.0005	-.0001	-.0006	.1645	.01747	9.53
242	.951	370.66	.01	1.39	.1971	.01726	-.0223	-.0006	-.0001	-.0008	.1967	.02029	9.69
243	.951	370.46	.01	2.13	.2317	.01753	-.0264	-.0007	-.0001	-.0009	.2309	.02442	9.46
244	.951	370.29	.01	2.89	.2657	.01903	-.0302	-.0009	-.0001	-.0007	.2644	.02945	9.22
245	.951	370.13	.01	3.65	.3001	.01986	-.0329	-.0009	-.0001	-.0006	.2983	.03625	9.23
246	.951	370.60	.00	4.49	.3396	.02003	-.0349	-.0011	-.0000	-.0004	.3370	.04483	7.52
247	.952	370.31	.01	5.34	.3792	.02124	-.0355	-.0011	-.0001	-.0005	.3746	.05467	6.85
248	.952	370.26	.01	6.23	.4188	.02294	-.0350	-.0009	-.0002	-.0004	.4130	.06659	6.27
249	.949	365.63	.01	7.12	.4601	.02454	-.0346	-.0006	-.0004	-.0002	.4530	.07975	5.60
250	.951	370.24	.01	7.99	.5047	.02646	-.0340	-.0010	-.0007	-.0001	.4960	.09488	5.23
251	.951	370.29	.02	8.76	.5429	.02871	-.0338	-.0013	-.0010	-.0003	.5322	.10734	4.87
252	.951	370.24	.01	1.41	.2039	.01739	-.0232	-.0006	-.0001	-.0007	.2034	.02071	9.62

POINT	ALPHA	CLSQ	CPC	CDB	COI	W/P	TEMP
233	-5.61	.0377	.00021	.00070	.0010	2.00	120.0
234	-4.13	.0307	.00029	.00070	.0010	2.00	120.0
235	-3.39	.0300	.00020	.00070	.0010	2.00	120.0
236	-2.73	.0311	.00021	.00070	.0010	2.00	120.0
237	-2.07	.0333	.00029	.00070	.0010	2.00	120.1
238	-1.40	.0373	.00020	.00070	.0010	2.00	120.1
239	-.70	.0427	.00022	.00070	.0010	2.00	120.1
240	.01	.0482	.00022	.00070	.0010	2.00	120.1
241	.64	.0537	.00027	.00070	.0010	2.00	120.1
242	1.39	.0597	.00022	.00070	.0010	2.00	120.1
243	2.13	.0653	.00023	.00070	.0010	2.00	120.1
244	2.89	.0697	.00026	.00070	.0010	2.00	120.1
245	3.65	.0733	.00028	.00070	.0010	2.00	119.9
246	4.49	.0755	.00031	.00070	.0010	2.00	119.9
247	5.34	.0763	.00039	.00070	.0010	2.00	119.9
248	6.23	.0752	.00038	.00070	.0010	2.00	120.1
249	7.12	.0726	.00043	.00070	.0010	2.00	120.2
250	7.99	.0681	.00046	.00070	.0010	2.00	120.4
251	8.76	.0623	.00050	.00070	.0010	2.00	120.0
252	1.41	.0414	.00022	.00070	.0010	2.00	120.1

TEST 503 RUN 57 MACH .925 CONFIG. 7

POINT	WING	Q	REF	ALPHA	CX	CA	CM	CRLL	CVAW	CSIDE	CL	CD	L/D
253	.926	353.91	.01	-5.57	-.0973	.01177	.0161	.0009	.0001	-.0011	-.0857	.01439	-6.66
254	.926	361.72	.01	-4.15	-.0286	.01392	.0099	.0002	.0000	-.0013	-.0275	.01416	-1.96
255	.926	366.76	.01	-3.42	-.0011	.01484	.0059	.0002	.0000	-.0012	.0020	.01295	.15
256	.926	366.27	.01	-2.76	.0302	.01549	-.0018	.0001	-.0000	-.0010	.0304	.01293	2.49
257	.925	353.57	.01	-2.00	.0599	.01634	-.0022	.0000	-.0000	-.0010	.0595	.01267	6.77
258	.925	363.39	.01	-1.39	.0834	.01671	-.0095	-.0000	-.0001	-.0010	.0839	.01288	6.50
259	.925	363.75	.01	-.72	.1090	.01694	-.0090	-.0002	-.0001	-.0011	.1092	.01376	7.93
260	.926	363.92	.01	-.02	.1354	.01691	-.0124	-.0004	-.0001	-.0009	.1356	.01506	8.99
261	.925	363.56	.01	.70	.1658	.01676	-.0157	-.0005	-.0001	-.0009	.1656	.01697	9.76
262	.925	363.93	.01	1.39	.1949	.01673	-.0193	-.0006	-.0001	-.0009	.1945	.01962	9.91
263	.924	363.47	.01	2.10	.2257	.01671	-.0228	-.0007	-.0001	-.0008	.2250	.02328	9.67
264	.926	363.91	.01	2.84	.2597	.01729	-.0267	-.0010	-.0001	-.0007	.2585	.02936	9.12
265	.926	363.29	.01	3.64	.2974	.01806	-.0294	-.0012	-.0000	-.0005	.2956	.03512	8.42
266	.925	363.51	.00	4.47	.3369	.01926	-.0316	-.0012	-.0001	-.0003	.3346	.04366	7.66
267	.925	363.81	.01	5.33	.3748	.02070	-.0329	-.0014	-.0002	-.0003	.3712	.05343	6.85
268	.925	363.59	.01	6.17	.4147	.02212	-.0335	-.0014	-.0004	-.0003	.4100	.06400	6.33
269	.926	363.91	.01	7.05	.4556	.02392	-.0346	-.0009	-.0005	-.0001	.4493	.07757	5.78
270	.925	363.95	.01	7.92	.4987	.02547	-.0352	-.0013	-.0007	-.0002	.4903	.09257	5.30
271	.925	363.69	.02	8.74	.5451	.02835	-.0354	-.0014	-.0010	-.0003	.5342	.11055	4.84
272	.925	363.69	.01	1.40	.1990	.01676	-.0196	-.0006	-.0001	-.0009	.1985	.01962	10.02
273	.923	363.07	.01	1.43	.2009	.01675	-.0196	-.0006	-.0001	-.0009	.2004	.01995	10.05

POINT	ALPHA	CLSQ	CPC	CDB	COI	W/P	TEMP
253	-5.57	.0374	.00024	.00080	.0010	2.00	120.1
254	-4.15	.0308	.00024	.00080	.0010	2.00	120.1
255	-3.42	.0300	.00024	.00080	.0010	2.00	119.9
256	-2.76	.0310	.00025	.00080	.0010	2.00	119.9
257	-2.00	.0335	.00026	.00080	.0010	2.00	119.9
258	-1.39	.0370	.00026	.00080	.0010	2.00	120.1
259	-.72	.0419	.00026	.00080	.0010	2.00	120.1
260	-.02	.0483	.00027	.00080	.0010	2.00	120.1
261	.70	.0546	.00027	.00080	.0010	2.00	120.1
262	1.39	.0614	.00027	.00080	.0010	2.00	120.1
263	2.10	.0686	.00029	.00080	.0010	2.00	120.1
264	2.84	.0764	.00030	.00080	.0010	2.00	120.1
265	3.64	.0845	.00034	.00080	.0010	2.00	120.0
266	4.47	.0927	.00037	.00080	.0010	2.00	120.1
267	5.30	.1009	.00039	.00080	.0010	2.00	120.0
268	6.17	.1091	.00044	.00080	.0010	2.00	120.0
269	7.05	.1179	.00048	.00080	.0010	2.00	120.1
270	7.92	.1264	.00051	.00080	.0010	2.00	120.1
271	8.78	.1346	.00055	.00080	.0010	2.00	120.1
272	1.40	.0396	.00029	.00080	.0010	2.00	120.1
273	1.43	.0402	.00029	.00080	.0010	2.00	120.1

NASA LANGLEY RESEARCH CENTER 8-FT TPT

SCAT 19-F

	TEST 503	RUN 58	NACH .900	CONFIG.	T								
POINT	MINF	Q	BETA	ALPHA	CM	CA	C <sub>W</sub>	CROLL	CYAW	CSIDE	CL	CD	L/D
274	.900	357.82	.01	-5.57	-.0891	.01162	.0162	.0003	.0001	-.0012	-.0075	.01942	-4.75
275	.899	357.03	.01	-4.10	-.0256	.01401	.0098	.0003	.0000	-.0011	-.0244	.01199	-1.74
276	.900	357.15	.01	-3.40	.0062	.01493	.0060	.0007	.0000	-.0011	.0051	.01285	-.40
277	.901	357.56	.01	-2.72	.0314	.01374	.0024	.0000	.0000	-.0011	.0321	.01743	2.79
278	.901	357.83	.01	-2.05	.0580	.01628	-.0013	.0000	.0000	-.0011	.0585	.01740	4.72
279	.901	357.82	.01	-1.38	.0820	.01666	-.0047	.0000	.0000	-.0011	.0832	.01740	4.47
280	.901	357.87	.01	-.72	.1086	.01686	-.0079	.0003	.0001	-.0010	.1088	.01740	7.95
281	.901	357.82	.01	-.04	.1348	.01680	-.0109	.0003	.0001	-.0010	.1348	.01740	9.04
282	.900	357.73	.01	.64	.1607	.01660	-.0137	.0004	.0001	-.0009	.1605	.01740	9.64
283	.899	357.03	.01	1.35	.1892	.01642	-.0167	.0004	.0001	-.0008	.1888	.01740	9.99
284	.898	356.74	.01	2.09	.2194	.01646	-.0198	.0007	.0001	-.0007	.2187	.01740	9.66
285	.898	356.43	.01	2.80	.2522	.01682	-.0230	.0008	.0001	-.0008	.2511	.01740	9.14
286	.898	356.85	.01	3.63	.2822	.01762	-.0260	.0011	.0001	-.0005	.2805	.01740	8.48
287	.898	356.55	.01	4.44	.3190	.01854	-.0274	.0011	.0001	-.0004	.3265	.04214	7.75
288	.898	356.79	.01	5.24	.3677	.01983	-.0284	.0013	.0002	-.0004	.3643	.04170	7.05
289	.898	356.74	.01	6.13	.4087	.02144	-.0290	.0012	.0001	-.0003	.4051	.04318	6.40
290	.897	356.15	.01	6.97	.4581	.02314	-.0290	.0012	.0001	-.0003	.4420	.04552	5.85
291	.897	356.13	.01	7.83	.4874	.02499	-.0296	.0015	.0001	-.0003	.4795	.04832	5.37
292	.894	356.74	.02	8.74	.5327	.02730	-.0295	.0014	.0001	-.0002	.5224	.04835	4.91
293	.898	356.49	.01	1.37	.1914	.01651	-.0160	.0006	.0001	-.0009	.1909	.01927	9.91

POINT	ALPHA	CLS0	CFE	CDL	CDI	R/FT	TEMP
274	-5.57	.0077	.00027	.00080	.0010	2.00	120.1
275	-4.10	.0006	.00024	.00080	.0010	2.00	120.1
276	-3.40	.0000	.00028	.00080	.0010	2.00	120.1
277	-2.72	.0010	.00029	.00080	.0010	2.00	120.0
278	-2.05	.0034	.00029	.00080	.0010	2.00	120.0
279	-1.38	.0369	.00030	.00080	.0010	2.00	120.0
280	-.72	.0118	.00030	.00080	.0010	2.00	120.0
281	-.04	.0182	.00031	.00080	.0010	2.00	120.0
282	.66	.0258	.00031	.00080	.0010	2.00	120.0
283	1.35	.0356	.00032	.00080	.0010	2.00	120.1
284	2.09	.0474	.00033	.00080	.0010	2.00	120.1
285	2.80	.0630	.00035	.00080	.0010	2.00	120.1
286	3.63	.0844	.00034	.00080	.0010	2.00	120.1
287	4.44	.1064	.00040	.00080	.0010	2.00	120.1
288	5.24	.1327	.00044	.00080	.0010	2.00	120.1
289	6.13	.1633	.00047	.00080	.0010	2.00	120.1
290	6.97	.1953	.00052	.00080	.0010	2.00	120.1
291	7.83	.2299	.00056	.00080	.0010	2.00	120.0
292	8.74	.2729	.00060	.00080	.0010	2.00	119.9
293	1.37	.0365	.00031	.00080	.0010	2.00	120.1

	TEST 503	RUN 59	NACH .800	CONFIG.	T								
POINT	MINF	Q	BETA	ALPHA	C <sub>W</sub>	CA	C <sub>W</sub>	CROLL	CYAW	CSIDE	CL	CD	L/D
294	.799	329.96	.01	-5.51	-.0853	.01174	.0157	.0004	.0001	-.0014	-.0838	.01408	-4.64
295	.800	329.44	.01	-4.14	-.0314	.01372	.0108	.0001	.0000	-.0012	-.0303	.01415	-2.14
296	.800	329.44	.01	-3.45	-.0030	.01461	.0074	.0000	.0000	-.0011	-.0021	.01296	-.16
297	.803	329.56	.01	-2.75	.0273	.01549	.0041	.0000	.0000	-.0011	.0280	.01237	2.26
298	.800	329.74	.01	-2.09	.0525	.01600	.0079	.0001	.0000	-.0011	.0531	.01227	4.33
299	.799	329.16	.01	-1.44	.0750	.01628	-.0077	.0001	.0000	-.0013	.0754	.01258	5.49
300	.799	329.16	.01	-.77	.1014	.01647	-.0065	.0002	.0001	-.0013	.1016	.01331	7.64
301	.799	329.10	.01	-.14	.1223	.01650	-.0068	.0004	.0001	-.0013	.1224	.01440	8.50
302	.799	329.10	.01	.52	.1478	.01627	-.0092	.0005	.0001	-.0012	.1477	.01541	9.34
303	.800	329.51	.01	1.23	.1765	.01603	-.0115	.0005	.0001	-.0010	.1761	.01801	9.78
304	.800	329.58	.01	1.92	.2027	.01590	-.0137	.0006	.0001	-.0009	.2020	.02049	9.67
305	.799	329.04	.01	2.65	.2355	.01601	-.0162	.0007	.0001	-.0009	.2345	.02508	9.35
306	.798	328.52	.01	3.37	.2699	.01636	-.0190	.0009	.0001	-.0008	.2645	.03018	8.76
307	.798	328.07	.00	4.15	.2989	.01699	-.0192	.0010	.0000	-.0004	.2968	.03677	8.07
308	.798	328.55	.00	4.93	.3349	.01795	-.0199	.0011	.0001	-.0002	.3321	.04409	7.41
309	.798	328.97	.01	5.74	.3723	.01932	-.0203	.0008	.0003	-.0003	.3685	.05464	6.74
310	.793	328.23	.01	6.54	.4086	.02067	-.0209	.0008	.0005	-.0001	.4036	.06530	6.18
311	.798	328.70	.01	7.36	.4470	.02229	-.0208	.0010	.0006	-.0001	.4409	.07759	5.64
312	.796	327.39	.01	8.20	.4869	.02396	-.0204	.0013	.0007	-.0001	.4785	.09136	5.24
313	.799	328.77	.02	9.05	.5295	.02605	-.0221	.0014	.0008	-.0001	.5188	.10722	4.84
314	.798	328.90	.02	9.85	.5779	.02848	-.0222	.0012	.0011	-.0000	.5645	.12533	4.50
315	.798	328.68	.01	1.22	.1740	.01601	-.0112	.0006	.0001	-.0009	.1736	.01790	9.70

POINT	ALPHA	CLS0	CFE	CDL	CDI	R/FT	TEMP
294	-5.51	.0070	.00032	.00080	.0010	2.00	120.1
295	-4.14	.0009	.00032	.00080	.0010	2.00	120.1
296	-3.45	.0000	.00033	.00080	.0010	2.00	120.1
297	-2.75	.0008	.00034	.00080	.0010	2.00	120.1
298	-2.09	.0028	.00034	.00080	.0010	2.00	120.1
299	-1.44	.0057	.00035	.00080	.0010	2.00	120.0
300	-.77	.0103	.00035	.00080	.0010	2.00	120.0
301	-.14	.0150	.00035	.00080	.0010	2.00	120.0
302	.52	.0218	.00036	.00080	.0010	2.00	120.1
303	1.23	.0310	.00036	.00080	.0010	2.00	120.1
304	1.92	.0408	.00038	.00080	.0010	2.00	120.1
305	2.65	.0550	.00039	.00080	.0010	2.00	120.1
306	3.37	.0699	.00042	.00080	.0010	1.99	120.1
307	4.15	.0841	.00045	.00080	.0010	1.99	120.1
308	4.93	.1103	.00047	.00080	.0010	2.00	120.1
309	5.74	.1354	.00049	.00080	.0010	2.00	120.1
310	6.54	.1629	.00053	.00080	.0010	2.00	120.1
311	7.36	.1941	.00056	.00080	.0010	2.00	120.1
312	8.20	.2290	.00060	.00080	.0010	1.99	120.1
313	9.05	.2692	.00061	.00080	.0010	2.00	120.0
314	9.85	.3186	.00061	.00080	.0010	2.00	120.0
315	1.22	.0301	.00037	.00080	.0010	2.00	120.0

ORIGINAL PAGE IS OF POOR QUALITY

WASA LANGUAGE RESEARCH CENTER 6-67 TPT

SCAT 15-F

TEST 503				RUN 60		MACH .975		CONFIG. 7					
POINT	HINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CO	LTD
316	.975	291.75	.01	.53	.1010	.01054	-.0217	-.0005	-.0002	-.0007	.1015	-.01970	9.17
317	.976	291.54	.00	4.30	.3310	.02124	-.0359	-.0011	-.0001	-.0005	.3293	-.04434	7.42
319	.976	291.54	.00	5.05	.3662	.02240	-.0370	-.0011	-.0001	-.0006	.3620	-.05294	6.05
319	.976	291.54	.01	5.76	.3977	.02355	-.0373	-.0009	-.0001	-.0007	.3936	-.06151	6.35
320	.976	291.49	.01	6.52	.4314	.02491	-.0377	-.0008	-.0003	-.0002	.4250	-.07202	5.91
321	.975	291.12	.01	7.21	.4654	.02631	-.0393	-.0006	-.0004	-.0002	.4504	-.08200	5.54
322	.975	291.17	.01	7.95	.5023	.02807	-.0416	-.0005	-.0006	-.0001	.4936	-.09559	5.16
323	.975	291.17	.02	8.73	.5410	.03009	-.0434	-.0012	-.0009	-.0001	.5301	-.11013	4.81
326	.972	290.95	.02	9.46	.5755	.03176	-.0450	-.0014	-.0011	-.0003	.5624	-.12440	4.52
325	.976	291.34	.02	10.22	.6176	.03409	-.0472	-.0016	-.0012	-.0005	.6016	-.14274	4.23
326	.976	291.75	.02	10.99	.6544	.03734	-.0477	-.0016	-.0012	-.0008	.6354	-.15954	3.98
327	.976	291.54	.02	11.74	.6917	.04068	-.0473	-.0017	-.0013	-.0001	.6692	-.17795	3.76
329	.972	290.91	.03	12.47	.7275	.04404	-.0476	-.0019	-.0015	-.0004	.7013	-.19629	3.57
329	.976	291.33	.04	.96	.1077	.01071	-.0223	-.0005	-.0001	-.0009	.1074	-.02009	9.33

POINT	ALPHA	CLS0	CDC	C00	C01	R/PY	TEMP
316	.975	.0329	.0077	.00070	.0010	1.50	120.1
317	4.30	.1294	.0077	.00070	.0010	1.50	120.1
319	5.05	.1316	.0077	.00070	.0010	1.50	120.1
319	5.76	.1577	.00074	.00070	.0010	1.50	120.1
320	6.52	.1913	.00727	.00070	.0010	1.50	120.1
321	7.21	.2101	.03031	.00070	.0010	1.50	120.1
322	7.95	.2436	.00032	.00070	.0010	1.50	120.0
323	8.73	.2817	.00035	.00070	.0010	1.50	120.0
326	9.46	.3163	.00039	.00070	.0010	1.50	120.0
325	10.22	.3615	.00034	.00070	.0010	1.50	119.9
326	10.99	.4037	.00034	.00070	.0010	1.50	120.0
327	11.74	.4474	.00037	.00070	.0010	1.50	119.9
329	12.47	.4918	.00040	.00070	.0010	1.50	120.0
329	.96	.0351	.00011	.00070	.0010	1.50	120.1

TEST 503 RUN 61 MACH .950 CONFIG. 7

POINT	HINF	U	BETA	ALPHA	CN	CA	CM	CROLL	CYAN	CSIDE	CL	CO	LTD
310	.969	277.52	.01	.96	.1058	.01700	-.0202	-.0006	-.0001	-.0009	.1055	-.01916	9.68
311	.951	277.97	.00	4.34	.3403	.02105	-.0351	-.0011	-.0001	-.0005	.3377	-.04503	7.50
312	.950	277.59	.00	5.05	.3688	.02171	-.0350	-.0010	-.0000	-.0007	.3654	-.05241	6.97
313	.949	277.20	.01	5.78	.4026	.02315	-.0355	-.0008	-.0002	-.0005	.3983	-.06184	6.44
314	.953	277.64	.01	6.51	.4363	.02457	-.0361	-.0009	-.0004	-.0002	.4307	-.07220	5.97
315	.953	277.64	.01	7.25	.4710	.02596	-.0360	-.0005	-.0004	-.0001	.4640	-.08343	5.54
316	.947	278.74	.01	7.95	.5038	.02724	-.0366	-.0010	-.0007	-.0000	.4952	-.09497	5.21
317	.950	277.41	.01	8.72	.5443	.02964	-.0367	-.0013	-.0009	-.0003	.5335	-.11010	4.85
318	.949	277.69	.02	9.47	.5791	.03163	-.0362	-.0014	-.0011	-.0003	.5670	-.12445	4.54
319	.949	277.25	.02	10.21	.6135	.03352	-.0360	-.0016	-.0012	-.0003	.5970	-.14004	4.27
320	.944	276.97	.02	11.00	.6517	.03579	-.0361	-.0014	-.0013	-.0000	.6329	-.15776	4.01
321	.949	277.25	.02	11.72	.6905	.03827	-.0361	-.0018	-.0013	-.0001	.6683	-.17606	3.90
322	.949	277.11	.03	12.54	.7325	.04097	-.0365	-.0020	-.0016	-.0001	.7062	-.19727	3.50
323	.950	277.43	.01	.96	.1068	.01703	-.0206	-.0005	-.0001	-.0004	.1065	-.01924	9.60

POINT	ALPHA	CLS0	CDC	C00	C01	R/PY	TEMP
310	.94	.0344	.00023	.00070	.0010	1.50	120.0
311	4.34	.1140	.00027	.00070	.0010	1.50	120.1
312	5.05	.1335	.00034	.00070	.0010	1.50	120.1
313	5.78	.1586	.00034	.00070	.0010	1.50	120.1
314	6.51	.1855	.00036	.00070	.0010	1.50	120.1
315	7.25	.2153	.00040	.00070	.0010	1.50	120.1
316	7.95	.2452	.00045	.00070	.0010	1.50	120.1
317	8.72	.2846	.00041	.00070	.0010	1.50	120.1
318	9.47	.3214	.00045	.00070	.0010	1.50	120.1
319	10.21	.3576	.00049	.00070	.0010	1.50	120.1
320	11.00	.4006	.00049	.00070	.0010	1.50	120.1
321	11.72	.4467	.00044	.00070	.0010	1.50	120.1
322	12.54	.4987	.00049	.00070	.0010	1.50	120.1
323	.96	.0348	.00026	.00070	.0010	1.50	119.9

NASA LANGLEY RESEARCH CENTER 0-FT 101

SCAT 15-F

TEST 503		RUN 62		RACH .900		CONFIG. 7							
POINT	TIME	Q	BETA	ALPHA	CA	CB	CC	CDLL	CYAW	CSIDE	CL	CD	LFF
344	267.81	.01	.03	.1785	.01726	-.0155	-.0005	-.0001	-.0000	-.0000	.1782	-.0139	6.71
345	267.82	.00	4.31	.3306	.01950	-.0200	-.0012	-.0000	-.0000	-.0000	.3282	-.0420	7.71
346	267.81	.01	5.05	.3032	.02061	-.0291	-.0013	-.0002	-.0005	-.0005	.3000	-.0500	7.10
347	267.50	.01	5.72	.2926	.02161	-.0299	-.0012	-.0003	-.0004	-.0004	.2995	-.0502	6.61
348	267.72	.01	6.47	.4326	.02367	-.0323	-.0010	-.0005	-.0000	-.0000	.4272	-.07027	5.60
349	267.66	.01	7.17	.4615	.02453	-.0320	-.0013	-.0006	-.0001	-.0001	.4560	-.08013	5.20
350	267.67	.01	7.90	.4956	.02619	-.0316	-.0015	-.0006	-.0002	-.0002	.4471	-.09226	4.93
351	267.67	.01	8.65	.5307	.02800	-.0313	-.0013	-.0006	-.0001	-.0001	.4381	-.10504	4.61
352	267.15	.02	9.39	.5655	.02966	-.0310	-.0013	-.0010	-.0000	-.0000	.4291	-.11781	4.32
353	267.14	.02	10.14	.6073	.03223	-.0317	-.0014	-.0011	-.0001	-.0001	.4201	-.13070	4.06
354	267.50	.02	10.93	.6460	.03609	-.0325	-.0015	-.0012	-.0002	-.0002	.4111	-.14360	3.81
355	267.21	.02	11.69	.6855	.03975	-.0333	-.0016	-.0012	-.0000	-.0000	.4020	-.15650	3.53
356	267.94	.02	12.44	.7290	.03963	-.0396	-.0019	-.0014	-.0001	-.0001	.3930	-.16940	3.23
357	267.37	.02	.92	.1776	.01725	-.0154	-.0005	-.0001	-.0000	-.0000	.1773	-.0130	6.60

POINT	ALPHA	CL50	CDC	CDB	CDI	R/FT	TEMP
344	4.31	.0017	.0000	.0010	1.50	120.1	
345	4.31	.0017	.0000	.0010	1.50	120.1	
346	5.05	.0047	.0000	.0010	1.50	120.1	
347	5.72	.0046	.0000	.0010	1.50	120.1	
348	6.47	.0042	.0000	.0010	1.50	120.1	
349	7.17	.0051	.0000	.0010	1.50	120.0	
350	7.90	.0051	.0000	.0010	1.50	120.0	
351	8.65	.0054	.0000	.0010	1.50	120.0	
352	9.39	.0057	.0000	.0010	1.50	120.0	
353	10.14	.0057	.0000	.0010	1.50	120.1	
354	10.93	.0050	.0000	.0010	1.50	120.1	
355	11.69	.0059	.0000	.0010	1.50	120.1	
356	12.44	.0058	.0000	.0010	1.50	120.0	
357	.92	.0031	.0000	.0010	1.50	120.0	

TEST 503		RUN 63		RACH 1.200		CONFIG. 8							
POINT	TIME	Q	BETA	ALPHA	CA	CB	CC	CDLL	CYAW	CSIDE	CL	CD	LFF
17	417.71	.00	-5.78	-.1114	.01340	.0243	.0005	.0005	-.0017	-.1094	.0293	-.0499	
18	417.69	.01	-6.34	-.0516	.01639	.0159	.0004	.0005	-.0019	-.0502	.0171	-.0293	
19	417.66	.01	-7.01	-.0218	.01746	.0113	.0004	.0004	-.0017	-.0206	.01570	-.131	
20	417.74	.01	-2.89	.0093	.01044	.0064	.0003	.0004	-.0017	.0102	.01607	.60	
21	417.63	.01	-2.15	.0393	.01919	.0015	.0001	.0004	-.0010	.0400	.01660	2.74	
22	417.63	.01	-1.52	.0624	.01966	-.0025	.0001	.0004	-.0010	.0629	.01689	4.23	
23	417.63	.01	-.77	.0924	.02318	-.0075	-.0001	.0004	-.0017	.0931	.01503	5.80	
24	417.67	.01	-.12	.1190	.02042	-.0119	-.0001	.0003	-.0016	.1191	.01708	6.97	
25	417.54	.01	.61	.1490	.02050	-.0169	-.0002	.0004	-.0016	.1488	.01907	7.80	
26	417.63	.01	1.26	.1751	.02066	-.0212	-.0004	.0004	-.0017	.1766	.02161	8.15	
27	417.63	.00	2.00	.2075	.02378	-.0265	-.0006	.0004	-.0014	.2047	.02490	8.30	
28	417.66	.00	2.75	.2391	.02086	-.0313	-.0007	.0003	-.0012	.2378	.02922	8.14	
29	417.68	.00	3.50	.2747	.02143	-.0358	-.0008	.0004	-.0012	.2729	.03500	7.70	
30	417.61	-.00	4.31	.3134	.02174	-.0404	-.0007	.0003	-.0008	.3108	.04314	7.20	
31	417.60	-.00	5.10	.3501	.02382	-.0444	-.0008	.0003	-.0004	.3466	.05174	6.70	
32	417.61	.00	6.05	.3963	.02543	-.0482	-.0008	.0001	-.0004	.3914	.06198	6.12	
33	417.53	.00	6.90	.4348	.02681	-.0520	-.0012	.0001	-.0004	.4295	.07576	5.60	
34	417.58	.00	7.78	.4755	.02960	-.0529	-.0011	.0000	-.0004	.4672	.08961	5.21	
35	417.66	.00	7.70	.4848	.02901	-.0534	-.0010	-.0000	-.0003	.4760	.09204	5.17	
36	417.63	.00	1.33	.1847	.02076	-.0227	-.0004	.0004	-.0015	.1841	.02195	6.39	

POINT	ALPHA	CL50	CDC	CDB	CDI	R/FT	TEMP
17	-5.78	.0120	.00113	.00210	.0010	2.00	120.6
18	-6.34	.0025	.00116	.00210	.0010	2.00	120.6
19	-7.01	.0004	.00115	.00210	.0010	2.00	120.5
20	-2.89	.0001	.00115	.00210	.0010	2.00	120.5
21	-2.15	.0016	.00116	.00210	.0010	2.00	120.5
22	-1.52	.0040	.00115	.00210	.0010	2.00	120.4
23	-.77	.0087	.00115	.00210	.0010	2.00	120.4
24	-.12	.0142	.00116	.00210	.0010	2.00	120.2
25	.61	.0221	.00119	.00210	.0010	2.00	120.2
26	1.26	.0305	.00121	.00210	.0010	2.00	120.2
27	2.00	.0427	.00124	.00210	.0010	2.00	120.2
28	2.75	.0565	.00128	.00210	.0010	2.00	120.2
29	3.50	.0745	.00130	.00210	.0010	2.00	120.1
30	4.31	.0966	.00131	.00210	.0010	2.00	120.0
31	5.10	.1202	.00133	.00210	.0010	2.00	120.0
32	6.05	.1532	.00137	.00210	.0010	2.00	120.0
33	6.90	.1856	.00138	.00210	.0010	2.00	120.0
34	7.78	.2183	.00143	.00210	.0010	2.00	120.1
35	7.70	.2266	.00146	.00210	.0010	2.00	120.1
36	1.33	.0339	.00125	.00210	.0010	2.00	120.1

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TEST 503		RUN 64		MACH 1.000		CONFIG. 0							
POINT	TIME	B	BETA	ALPHA	CR	CA	CC	CDLL	CVAR	CSIDE	CL	CD	L/D
37	1.000	340.95	.00	-5.77	-.0000	.01309	.0173	.0000	.0000	-.0013	-.0070	.02166	-4.40
38	1.000	341.10	.01	-4.32	-.0304	.01620	.0095	.0004	.0005	-.0010	-.0370	.01494	-2.14
39	1.000	341.10	.01	-3.57	-.0064	.01725	.0052	.0003	.0002	-.0014	-.0056	.01553	-.36
40	1.000	341.10	.01	-2.00	.0094	.01707	.0015	.0003	.0002	-.0013	.0203	.01400	1.37
41	1.000	341.05	.01	-2.20	.0099	.01065	-.0026	.0001	.0002	-.0013	.0506	.01462	3.46
42	1.000	341.00	.01	-1.40	.0700	.01913	-.0004	.0001	.0003	-.0013	.0773	.01505	5.16
43	1.000	341.02	.01	-.06	.1010	.01940	-.0102	-.0001	.0003	-.0014	.1021	.01570	6.47
44	.997	340.95	.01	-.17	.1291	.01952	-.0142	-.0002	.0002	-.0012	.1292	.01704	7.50
45	1.000	340.94	.01	.56	.1500	.01957	-.0105	-.0003	.0002	-.0014	.1500	.01903	8.30
46	1.000	341.17	.01	1.22	.1075	.01130	-.0223	-.0005	.0002	-.0013	.1070	.02140	8.76
47	1.000	341.07	.01	1.93	.2157	.01932	-.0261	-.0000	.0002	-.0010	.2149	.02440	8.70
48	.999	340.87	.00	2.66	.2476	.01023	-.0300	-.0000	.0002	-.0010	.2464	.02061	8.61
49	.999	340.99	.00	3.41	.2014	.01937	-.0335	-.0000	.0002	-.0010	.2400	.03300	8.23
50	.999	340.77	-.00	4.24	.3100	.02004	-.0360	-.0010	.0004	-.0009	.3165	.04147	7.03
51	.999	340.93	-.01	5.00	.3010	.02149	-.0403	-.0011	.0005	-.0006	.3577	.05117	7.00
52	.999	340.75	-.00	5.99	.4000	.02331	-.0425	-.0011	.0002	-.0004	.4042	.06375	6.36
53	.999	340.54	.00	6.94	.4475	.02467	-.0436	-.0012	.0000	-.0003	.4414	.07566	5.83
54	.999	340.45	-.00	7.75	.4929	.02644	-.0446	-.0007	.0004	-.0007	.4848	.09060	5.35
55	.999	341.11	-.01	8.61	.5377	.02949	-.0450	-.0006	.0006	-.0006	.5274	.10659	4.95
56	.999	340.54	-.01	9.61	.5376	.02039	-.0400	-.0006	.0005	-.0006	.5273	.10043	4.99
57	.999	340.42	.00	1.20	.1975	.01950	-.0236	-.0005	.0003	-.0011	.1970	.02195	8.98

POINT	ALPHA	CLSD	CR	CD	CDI	R/FY	TEMP
37	-5.77	-.0000	-.000006	.00110	.0010	2.00	120.4
38	-4.32	.0010	-.000007	.00110	.0010	2.00	120.2
39	-3.57	.0000	-.000007	.00110	.0010	2.00	120.2
40	-2.00	.0004	-.000004	.00110	.0010	2.00	120.1
41	-2.20	.0026	-.000004	.00110	.0010	2.00	120.0
42	-1.40	.0060	-.000005	.00110	.0010	2.00	120.0
43	-.06	.1010	-.000005	.00110	.0010	2.00	120.0
44	-.17	.1291	-.000004	.00110	.0010	2.00	120.0
45	.56	.1500	-.000005	.00110	.0010	2.00	120.0
46	1.22	.1075	-.000004	.00110	.0010	2.00	120.0
47	1.93	.2157	-.000004	.00110	.0010	2.00	120.0
48	2.66	.2476	-.000002	.00110	.0010	2.00	120.1
49	3.41	.2014	-.000009	.00110	.0010	2.00	120.1
50	4.24	.3100	-.000002	.00110	.0010	2.00	120.1
51	5.00	.3010	-.000005	.00110	.0010	2.00	120.1
52	5.99	.4000	-.000009	.00110	.0010	2.00	120.1
53	6.94	.4475	-.000012	.00110	.0010	2.00	120.1
54	7.75	.4929	-.000022	.00110	.0010	2.00	120.1
55	8.61	.5377	-.000033	.00110	.0010	2.00	120.1
56	9.61	.5376	-.000035	.00110	.0010	2.00	120.5
57	1.20	.1975	-.000004	.00110	.0010	2.00	120.4

TEST 503		RUN 65		MACH .975		CONFIG. 0							
POINT	TIME	B	BETA	ALPHA	CR	CA	CC	CDLL	CVAR	CSIDE	CL	CD	L/D
58	.975	375.20	.00	-5.76	-.0000	.01273	.0172	.0000	.0000	-.0015	-.0093	.02091	-4.65
59	.974	376.42	.01	-4.30	-.0354	.01405	.0091	.0002	.0003	-.0015	-.0341	.01576	-2.17
60	.974	375.10	.01	-3.57	-.0071	.01505	.0052	.0002	.0001	-.0017	-.0061	.01457	-.42
61	.975	375.20	.01	-2.00	.0230	.01604	.0010	.0001	.0001	-.0012	.0246	.01392	1.77
62	.975	375.46	.01	-2.25	.0404	.01733	-.0025	.0000	.0002	-.0012	.0401	.01371	3.50
63	.976	376.77	.01	-1.52	.0774	.01707	-.0067	-.0000	.0001	-.0012	.0770	.01411	5.57
64	.977	376.04	.01	-.78	.1019	.01817	-.0105	-.0002	.0001	-.0013	.1021	.01490	6.85
65	.976	375.72	.01	-.19	.1303	.01824	-.0144	-.0004	.0001	-.0012	.1304	.01614	8.04
66	.976	375.14	.01	.50	.1505	.01815	-.0184	-.0005	.0002	-.0012	.1506	.01703	9.08
67	.976	376.06	.01	1.20	.1801	.01907	-.0226	-.0005	.0002	-.0010	.1807	.02031	9.24
68	.976	376.47	.01	1.91	.2103	.01797	-.0265	-.0007	.0002	-.0012	.2106	.02355	8.24
69	.975	375.35	.00	2.65	.2492	.01797	-.0301	-.0008	.0002	-.0010	.2491	.02777	6.53
70	.975	375.35	.00	3.43	.2807	.01813	-.0337	-.0009	.0002	-.0010	.2831	.03343	6.47
71	.976	376.27	-.00	4.22	.3213	.01805	-.0365	-.0009	.0004	-.0009	.3191	.04072	7.84
72	.976	375.20	-.01	5.06	.3624	.02030	-.0398	-.0011	.0005	-.0007	.3542	.05044	7.12
73	.973	376.67	.00	5.94	.4083	.02225	-.0412	-.0014	.0001	-.0006	.4030	.06205	6.43
74	.973	376.77	.00	6.87	.4511	.02302	-.0419	-.0012	.0002	-.0005	.4440	.07593	5.86
75	.973	376.65	-.00	7.74	.4920	.02545	-.0436	-.0006	.0003	-.0005	.4848	.08945	5.40
76	.973	376.72	-.01	8.64	.5395	.02746	-.0462	-.0007	.0006	-.0008	.5293	.10653	4.97
77	.976	375.71	-.01	9.69	.5910	.02750	-.0460	-.0006	.0007	-.0010	.5312	.10793	4.95
78	.976	375.20	.01	1.20	.1994	.01814	-.0241	-.0007	.0002	-.0014	.1999	.02099	9.52

POINT	ALPHA	CLSD	CR	CD	CDI	R/FY	TEMP
58	-5.76	-.0000	-.000010	.00070	.0010	2.00	120.4
59	-4.30	.0012	-.000013	.00070	.0010	2.00	120.2
60	-3.57	.0000	-.000011	.00070	.0010	2.00	120.2
61	-2.00	.0006	-.000010	.00070	.0010	2.00	120.1
62	-2.25	.0026	-.000011	.00070	.0010	2.00	120.1
63	-1.52	.0061	-.000010	.00070	.0010	2.00	120.1
64	-.78	.1010	-.000011	.00070	.0010	2.00	119.9
65	-.19	.1304	-.000013	.00070	.0010	2.00	119.9
66	.50	.1505	-.000014	.00070	.0010	2.00	119.9
67	1.20	.2103	-.000014	.00070	.0010	2.00	119.9
68	1.91	.2492	-.000014	.00070	.0010	2.00	120.0
69	2.65	.2807	-.000015	.00070	.0010	2.00	120.0
70	3.43	.3213	-.000017	.00070	.0010	2.00	120.1
71	4.22	.3624	-.000019	.00070	.0010	2.00	120.1
72	5.06	.4083	-.000022	.00070	.0010	2.00	120.1
73	5.94	.4511	-.000027	.00070	.0010	2.00	120.1
74	6.87	.4920	-.000030	.00070	.0010	2.00	120.1
75	7.74	.5395	-.000034	.00070	.0010	2.00	120.1
76	8.64	.5910	-.000040	.00070	.0010	2.00	120.4
77	9.69	.6425	-.000047	.00070	.0010	2.00	120.1
78	1.20	.1994	-.000015	.00070	.0010	2.00	119.9

TFST 503 RUN 66 MAGN .950 CONFIG. 8

POINT	WIND	Q	META	ALPHA	CM	CA	CH	CROLL	CVAM	CSINE	CL	CD	L/P
70	.951	370.00	.00	-5.70	-.0995	.01251	.0170	.0004	.0004	-.0010	-.0077	.02093	-4.76
80	.945	369.67	.01	-4.31	-.0385	.01455	.0162	.0002	.0003	-.0015	-.0073	.01570	-2.37
91	.953	368.79	.01	-3.59	-.0270	.01560	.0060	.0002	.0002	-.0010	-.0070	.01631	-4.42
87	.953	369.79	.01	-2.90	-.0200	.01630	.0021	-.0000	.0002	-.0013	.0210	.01361	1.50
85	.950	369.79	.01	-2.20	-.0515	.01700	-.0021	-.0000	.0002	-.0013	.0521	.01331	3.42
84	.953	369.79	.01	-1.51	-.0773	.01761	-.0050	-.0001	.0001	-.0013	.0770	.01367	5.65
85	.953	369.79	.01	-.81	-.1061	.01760	-.0100	-.0002	.0001	-.0013	.1063	.01467	7.35
86	.940	369.85	.01	-.10	-.1310	.01775	-.0150	-.0004	.0001	-.0013	.1311	.01564	8.30
47	.940	370.00	.01	.55	.1600	.01770	-.0175	-.0006	.0001	-.0012	.1607	.01757	9.14
48	.952	370.70	.01	1.21	.1880	.01750	-.0210	-.0006	.0001	-.0012	.1884	.01905	9.99
49	.951	370.20	.01	1.92	.2170	.01720	-.0247	-.0009	.0003	-.0014	.2167	.02296	10.48
50	.943	369.65	.00	2.66	.2500	.01715	-.0287	-.0009	.0002	-.0011	.2495	.02702	10.21
51	.951	370.20	.00	3.62	.2800	.01703	-.0326	-.0009	.0002	-.0007	.2800	.03266	9.66
52	.940	369.65	-.00	4.10	.3195	.01702	-.0350	-.0000	.0005	-.0012	.3173	.03954	8.03
53	.951	370.15	-.01	5.11	.3670	.01660	-.0388	-.0011	.0006	-.0009	.3662	.05063	7.19
54	.951	370.25	.00	5.95	.4090	.02161	-.0401	-.0011	.0002	-.0008	.4065	.06200	6.52
55	.940	369.16	.00	6.91	.4492	.02260	-.0400	-.0012	.0002	-.0008	.4434	.07411	5.58
56	.952	370.65	-.00	7.70	.4954	.02401	-.0420	-.0000	.0003	-.0005	.4875	.08900	5.44
57	.951	370.17	-.00	8.61	.5366	.02457	-.0433	-.0010	.0004	-.0004	.5266	.10406	5.02
58	.953	369.70	-.00	9.54	.5771	.02751	-.0438	-.0010	.0005	-.0007	.5660	.11266	4.55
59	.953	369.66	.01	1.29	.1072	.01740	-.0220	-.0007	.0002	-.0013	.1068	.02022	9.73

POINT	ALPHA	CLS3	CD	CM	CD	R/PT	TEMP
70	-5.70	.0000	.00021	.00070	.0010	2.00	119.0
80	-4.31	.0010	.00020	.00070	.0010	2.00	119.0
91	-3.59	.0000	.00019	.00070	.0010	2.00	119.0
87	-2.90	.0005	.00020	.00070	.0010	2.00	119.0
85	-2.20	.0020	.00021	.00070	.0010	2.00	119.0
84	-1.51	.0000	.00021	.00070	.0010	2.00	120.0
85	-.81	.0113	.00021	.00070	.0010	2.00	120.0
86	-.10	.0172	.00022	.00070	.0010	2.00	120.1
47	.55	.0250	.00021	.00070	.0010	2.00	120.0
48	1.21	.0355	.00021	.00070	.0010	2.00	120.1
49	1.92	.0470	.00024	.00070	.0010	2.00	120.1
50	2.66	.0620	.00027	.00070	.0010	2.00	120.4
51	3.62	.0800	.00025	.00070	.0010	2.00	120.4
52	4.10	.1007	.00030	.00070	.0010	2.00	120.1
53	5.11	.1327	.00033	.00070	.0010	2.00	120.1
54	5.95	.1636	.00035	.00070	.0010	2.00	120.1
55	6.91	.1966	.00041	.00070	.0010	2.00	120.1
56	7.70	.2377	.00042	.00070	.0010	2.00	120.1
57	8.61	.2773	.00050	.00070	.0010	2.00	120.1
58	9.54	.3241	.00051	.00070	.0010	2.00	120.1
59	1.29	.0350	.00024	.00070	.0010	2.00	120.1

TFST 503 RUN 67 MAGN .925 CONFIG. 8

POINT	WIND	Q	META	ALPHA	CM	CA	CH	CROLL	CVAM	CSINE	CL	CD	L/P
107	.926	363.20	.00	-5.70	-.0991	.01225	.0170	.0304	.0005	-.0017	-.0370	.02030	-4.80
101	.926	363.00	.01	-4.30	-.0380	.01467	.0107	.0002	.0003	-.0017	-.0370	.01553	-2.41
102	.926	363.15	.01	-3.59	-.0270	.01567	.0060	.0001	.0002	-.0010	-.0060	.01600	-4.60
103	.925	363.32	.01	-2.89	-.0203	.01620	.0031	-.0001	.0002	-.0013	.0210	.01337	1.57
104	.925	363.30	.01	-2.19	-.0507	.01682	-.0000	-.0001	.0002	-.0014	.0505	.01312	3.53
105	.925	363.43	.01	-1.50	-.0771	.01720	-.0004	-.0002	.0002	-.0014	.0775	.01361	5.70
106	.925	363.72	.01	-.80	-.1027	.01700	-.0000	-.0003	.0002	-.0014	.1030	.01416	7.27
107	.926	363.61	.01	-.10	-.1294	.01761	-.0110	-.0004	.0001	-.0012	.1294	.01520	8.44
108	.926	362.90	.01	.51	-.1566	.01720	-.0163	-.0006	.0002	-.0015	.1565	.01601	9.19
109	.924	363.00	.01	1.21	-.1827	.01703	-.0170	-.0007	.0002	-.0015	.1823	.01700	9.55
110	.925	361.26	.01	1.91	-.2134	.01680	-.0214	-.0009	.0003	-.0016	.2127	.02210	10.42
111	.925	361.55	.00	2.65	-.2445	.01657	-.0251	-.0010	.0003	-.0011	.2435	.02605	9.35
112	.925	361.26	.00	3.40	-.2768	.01651	-.0277	-.0012	.0001	-.0009	.2754	.03100	8.06
113	.926	361.03	-.00	4.20	-.3157	.01717	-.0309	-.0008	.0006	-.0011	.3136	.03602	6.16
114	.927	362.20	-.01	4.99	-.3559	.01803	-.0344	-.0009	.0006	-.0010	.3530	.04205	7.44
115	.923	362.60	-.00	5.90	-.4064	.02020	-.0373	-.0009	.0004	-.0010	.4004	.05001	6.60
116	.923	362.46	.00	6.73	-.4430	.02152	-.0383	-.0012	.0003	-.0009	.4370	.07150	6.12
117	.923	362.75	.00	7.64	-.4946	.02337	-.0386	-.0013	-.0000	-.0002	.4772	.08501	5.50
118	.922	362.34	-.00	8.53	-.5280	.02534	-.0389	-.0011	.0004	-.0007	.5188	.10165	5.10
119	.932	360.20	-.01	9.21	-.5665	.02760	-.0423	-.0006	.0009	-.0012	.5548	.11500	4.79
120	.923	362.00	.01	1.20	.1053	.01715	-.0192	-.0008	.0003	-.0016	.1068	.01070	9.87

POINT	ALPHA	CLS3	CD	CM	CD	R/PT	TEMP
100	-4.30	.0000	.00025	.00070	.0010	2.00	120.1
101	-3.59	.0010	.00024	.00070	.0010	2.00	120.1
102	-2.89	.0000	.00025	.00070	.0010	2.00	120.1
103	-2.19	.0004	.00025	.00070	.0010	2.00	120.1
104	-1.50	.0025	.00025	.00070	.0010	2.00	120.4
105	-.80	.0060	.00025	.00070	.0010	2.00	120.4
106	-.10	.0100	.00026	.00070	.0010	2.00	120.4
107	.51	.0167	.00028	.00070	.0010	2.00	120.1
108	1.21	.0230	.00028	.00070	.0010	2.00	120.0
109	1.91	.0332	.00027	.00070	.0010	2.00	120.0
110	2.65	.0452	.00028	.00070	.0010	2.00	120.0
111	3.40	.0593	.00030	.00070	.0010	2.00	120.0
112	4.20	.0754	.00032	.00070	.0010	2.00	120.0
113	4.99	.0943	.00034	.00070	.0010	2.00	120.0
114	5.73	.1160	.00035	.00070	.0010	2.00	120.1
115	6.50	.1401	.00040	.00070	.0010	2.00	120.1
116	7.23	.1663	.00044	.00070	.0010	2.00	120.1
117	8.04	.1940	.00049	.00070	.0010	2.00	120.1
118	8.83	.2241	.00054	.00070	.0010	2.00	120.0
119	9.21	.2570	.00056	.00070	.0010	2.00	120.1
120	1.20	.0350	.00027	.00070	.0010	2.00	120.1

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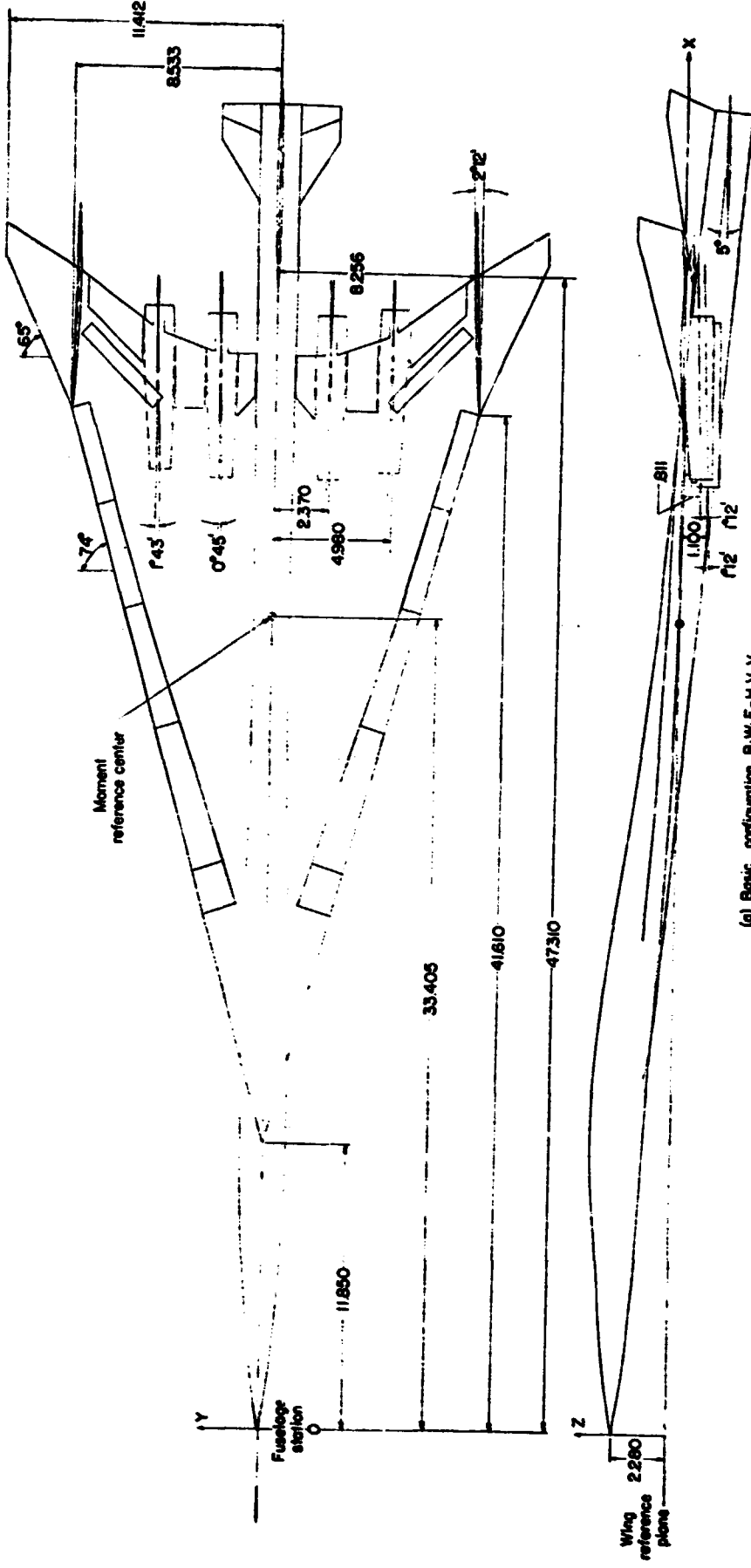
TEST 503		RUN 68	RACH .900		CONFIG. 0								L/D
POINT	QVAL	Q	RETA	ALPHA	CN	CA	CN	C TIA	CVAN	CSIDE	CL	CO	L/D
124	.001	357.63	.00	-5.73	-.0005	.01220	.0171	-.0004	.0003	-.0017	-.0760	.02010	-4.00
125	.001	356.69	.01	-4.26	-.00354	.01452	.0109	.0001	.0003	-.0014	-.0762	.01531	-2.24
126	.003	356.33	.01	-3.56	-.00070	.01335	.0071	-.0001	.0002	-.0013	-.0000	.01400	-.40
127	.004	357.73	.01	-2.00	.00267	.01411	.0025	-.0000	.0002	-.0014	.0210	.01327	1.50
128	.000	357.14	.01	-2.10	.00075	.01441	.0001	-.0001	.0002	-.0013	.0401	.02290	3.71
129	.000	356.30	.01	-1.55	.0711	.01702	-.0030	-.0001	.0002	-.0013	.0716	.01329	5.30
130	.000	356.76	.01	-.06	.00002	.01727	-.0004	-.0002	.0002	-.0013	.0003	.01400	7.03
131	.000	356.96	.01	-.17	.1260	.01734	-.0009	-.0003	.0001	-.0014	.1260	.01517	0.31
132	.000	357.03	.01	-.40	.1440	.01716	-.0127	-.0000	.0002	-.0014	.1440	.01663	0.00
133	.001	357.64	.01	1.20	.1700	.01602	-.0157	-.0007	.0002	-.0014	.1700	.01675	0.51
134	-.001	356.61	.01	1.09	.2002	.01656	-.0191	-.0000	.0003	-.0013	.2075	.02163	0.50
135	-.000	357.37	.01	2.66	.2301	.01610	-.0210	-.0000	.0002	-.0012	.2371	.02534	0.36
136	.001	357.67	.00	5.38	.2723	.01614	-.0209	-.0011	.0002	-.0010	.2700	.03036	0.02
137	.001	357.70	-.00	6.14	.3041	.01640	-.0271	-.0000	.0004	-.0010	.3021	.03050	0.20
138	.000	357.67	-.01	4.91	.3463	.01705	-.0312	-.0000	.0004	-.0009	.3435	.04542	7.56
139	.000	356.30	-.00	5.07	.3901	.01916	-.0335	-.0000	.0004	-.0011	.3911	.05766	6.70
140	.000	356.36	.00	6.71	.4350	.02076	-.0366	-.0003	.0003	-.0000	.4300	.06972	6.17
141	.001	357.91	.00	7.60	.4803	.02201	-.0396	-.0014	-.0000	-.0003	.4731	.08431	5.01
142	.000	356.65	-.00	4.44	.5100	.02423	-.0424	-.0000	.0005	-.0000	.5076	.09826	5.10
143	.000	356.67	-.01	7.35	.5721	.02605	-.0494	-.0000	.0000	-.0013	.5601	.11745	4.77
144	-.000	356.91	.01	1.24	.6190	.01670	-.0164	-.0000	.0002	-.0014	.6100	.01901	0.92

POINT	ALPHA	CL50	CDX	CDY	CDZ	R/PY	TEMP
124	-5.73	.00004	.00020	.00000	.0010	2.00	120.0
125	-4.26	.0012	.00020	.00000	.0010	2.00	120.1
126	-3.56	.0000	.00020	.00000	.0010	2.00	120.1
127	-2.00	.0000	.00020	.00000	.0010	2.00	120.0
128	-2.10	.0023	.00020	.00000	.0010	2.00	120.0
129	-1.55	.0001	.00020	.00000	.0010	2.00	120.4
130	-.06	.0007	.00020	.00000	.0010	2.00	120.4
131	-.17	.0013	.00020	.00000	.0010	2.00	120.2
132	-.40	.0026	.00020	.00000	.0010	2.00	120.1
133	1.20	.0019	.00030	.00000	.0010	2.00	120.1
134	1.09	.0031	.00030	.00000	.0010	2.00	120.1
135	2.66	.0016	.00030	.00000	.0010	2.00	120.0
136	5.38	.0039	.00030	.00000	.0010	2.00	119.9
137	6.14	.0013	.00030	.00000	.0010	2.00	119.9
138	4.91	.0018	.00030	.00000	.0010	2.00	120.0
139	5.07	.0042	.00030	.00000	.0010	2.00	120.0
140	6.71	.0070	.00030	.00000	.0010	2.00	119.9
141	7.60	.0013	.00030	.00000	.0010	2.00	120.0
142	4.44	.0018	.00030	.00000	.0010	2.00	120.0
143	7.35	.0042	.00030	.00000	.0010	2.00	120.1
144	1.24	.0016	.00030	.00000	.0010	2.00	120.1

TEST 503		RUN 69	RACH .900		CONFIG. 0								L/D
POINT	QVAL	Q	RETA	ALPHA	CN	CA	CN	CROLL	CVAN	CSIDE	CL	CO	L/D
145	.001	327.62	.01	-5.65	-.00043	.01230	.0164	.0002	.0003	-.0010	-.0926	.01970	-4.64
146	.000	333.19	.01	-4.29	-.00373	.01440	.0111	.0001	.0004	-.0017	-.0761	.01534	-2.35
147	.001	330.24	.01	-3.50	-.00093	.01330	.0080	.0000	.0000	-.0017	-.0002	.01405	-.50
148	.001	337.63	.01	-2.05	.00195	.01402	.0040	-.0002	.0002	-.0016	.0202	.01323	1.53
149	.001	332.72	.01	-2.24	.00227	.01390	.0022	-.0002	.0002	-.0015	.0433	.01301	3.33
150	.002	339.70	.01	-1.50	.00463	.01601	-.0000	-.0003	.0002	-.0015	.0660	.01316	5.07
151	.001	330.50	.01	-.92	.00931	.01701	-.0030	-.0004	.0002	-.0017	.0934	.01372	6.01
152	.002	330.71	.01	-.20	.1146	.01703	-.0061	-.0004	.0002	-.0016	.1147	.01465	7.03
153	.002	337.92	.01	.30	.1417	.01602	-.0089	-.0006	.0001	-.0012	.1415	.01500	0.05
154	.000	329.00	.01	1.00	.1666	.01600	-.0109	-.0007	.0003	-.0016	.1663	.01775	0.37
155	.003	312.11	.01	1.76	.1921	.01610	-.0131	-.0009	.0003	-.0016	.1915	.02013	0.51
156	.001	337.31	.01	2.44	.2199	.01366	-.0153	-.0009	.0002	-.0012	.2190	.02312	0.44
157	.001	332.37	.00	3.16	.2483	.01326	-.0171	-.0010	.0002	-.0010	.2471	.02712	0.11
158	.000	330.13	.00	3.90	.2792	.01310	-.0184	-.0009	.0004	-.0011	.2775	.03232	0.50
159	.000	329.60	-.00	4.61	.3126	.01370	-.0210	-.0009	.0003	-.0005	.3103	.03600	7.40
160	.000	329.77	-.00	5.52	.3620	.01705	-.0266	-.0010	.0004	-.0000	.3592	.05009	7.10
161	.000	333.17	.00	6.29	.3994	.01830	-.0260	-.0013	.0002	-.0000	.3940	.06012	6.57
162	.000	329.64	.00	7.10	.4370	.01972	-.0257	-.0015	.0001	-.0000	.4312	.07170	6.01
163	.000	329.01	.00	7.90	.4755	.02122	-.0257	-.0015	.0002	-.0000	.4660	.08430	5.33
164	.000	329.63	-.00	9.73	.5174	.02277	-.0264	-.0010	.0000	-.0011	.5079	.09944	5.11
165	.001	330.63	-.00	9.63	.5604	.02459	-.0290	-.0016	.0003	-.0005	.5565	.11750	4.73
166	.000	329.74	.00	10.40	.6092	.02600	-.0303	-.0020	.0001	-.0003	.5944	.13623	4.43
167	-.000	329.56	.01	1.12	.6191	.01631	-.0115	-.0007	.0002	-.0014	.6103	.01813	0.61

POINT	ALPHA	CL50	CDX	CDY	CDZ	R/PY	TEMP
145	-5.65	.00016	.00032	.00000	.0010	2.00	119.1
146	-4.29	.0013	.00032	.00000	.0010	2.00	119.4
147	-3.50	.0001	.00031	.00000	.0010	2.00	119.6
148	-2.05	.0000	.00034	.00000	.0010	2.00	119.7
149	-2.24	.0019	.00034	.00000	.0010	2.00	119.9
150	-1.50	.0005	.00035	.00000	.0010	2.00	120.0
151	-.92	.0007	.00035	.00000	.0010	2.00	120.1
152	-.20	.0132	.00036	.00000	.0010	2.00	120.1
153	.30	.0200	.00036	.00000	.0010	2.00	120.1
154	1.00	.0277	.00038	.00000	.0010	2.00	120.1
155	1.76	.0367	.00038	.00000	.0010	2.00	120.1
156	2.44	.0460	.00039	.00000	.0010	2.00	120.1
157	3.16	.0617	.00041	.00000	.0010	2.00	120.1
158	3.90	.0770	.00043	.00000	.0010	2.00	120.1
159	4.61	.0943	.00045	.00000	.0010	2.00	120.1
160	5.52	.1203	.00048	.00000	.0010	2.00	120.1
161	6.29	.1560	.00050	.00000	.0010	2.00	120.1
162	7.10	.1839	.00054	.00000	.0010	2.00	120.1
163	7.90	.2172	.00057	.00000	.0010	2.00	120.0
164	9.73	.2500	.00059	.00000	.0010	2.00	120.0
165	9.63	.3096	.00062	.00000	.0010	2.00	120.0
166	10.40	.3533	.00063	.00000	.0010	2.00	120.0
167	1.12	.0304	.00037	.00000	.0010	2.00	120.0

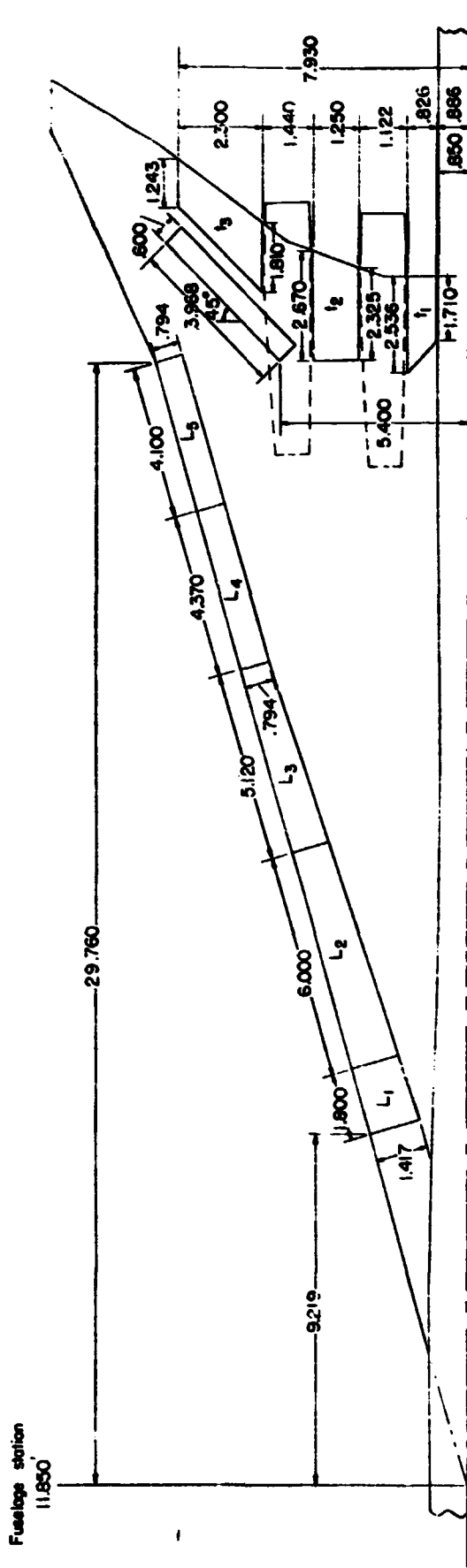
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(a) Basic configuration.  $B_1, W_1, E_2, H_1, V_2$ .

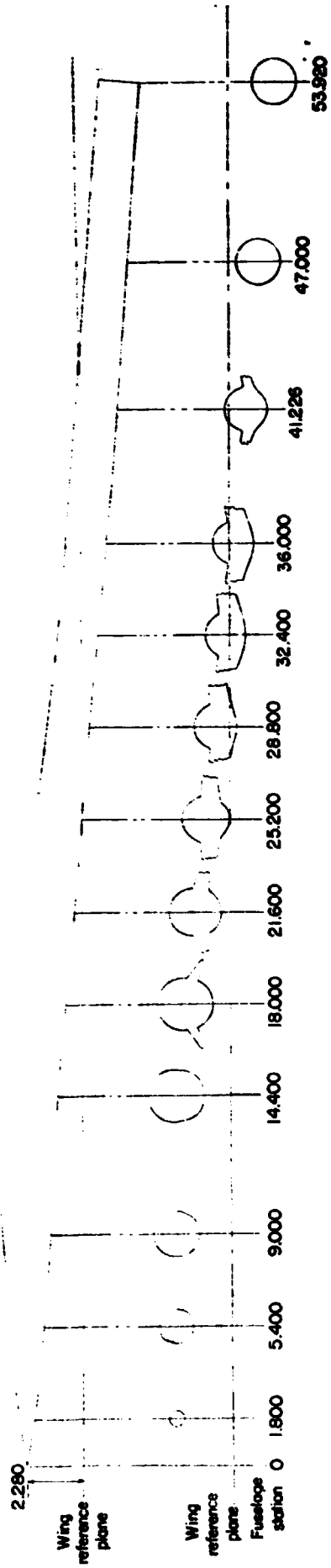
Figure 1 - Details of model. All linear dimensions are in inches.





(b) Leading and trailing edge flaps and spoiler.

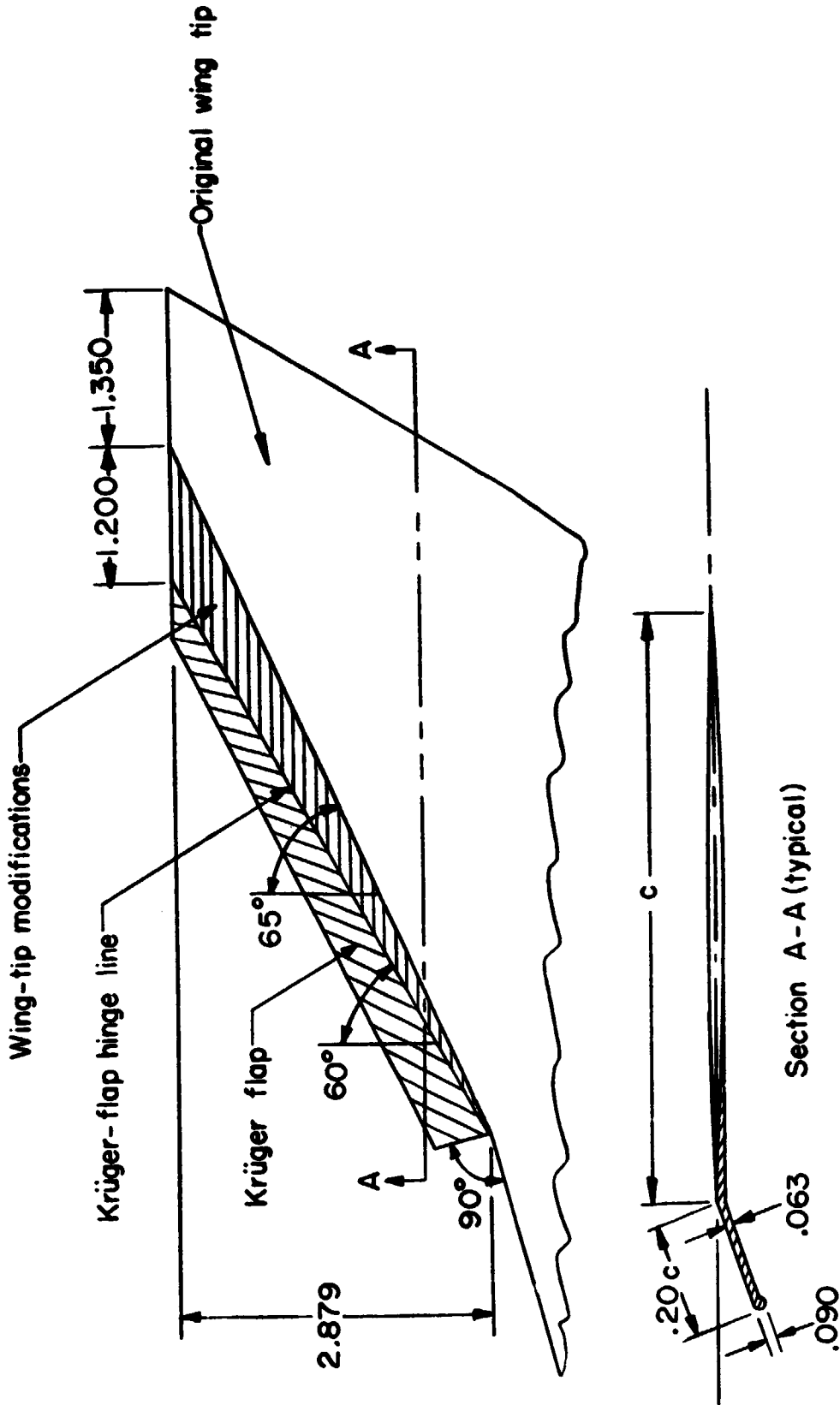
Figure 1.-Continued.



(c) Fuselage.

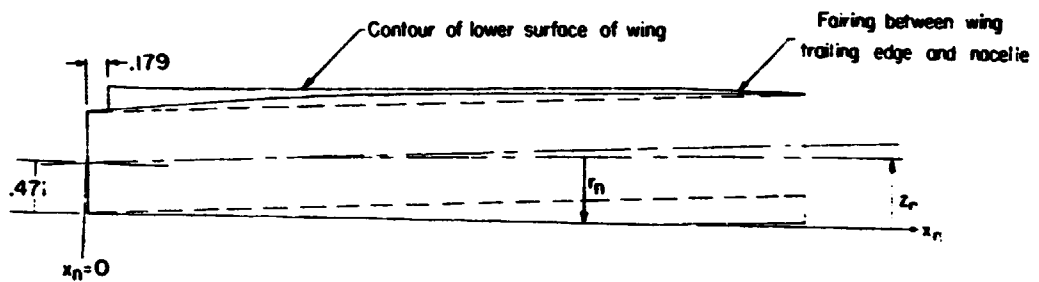
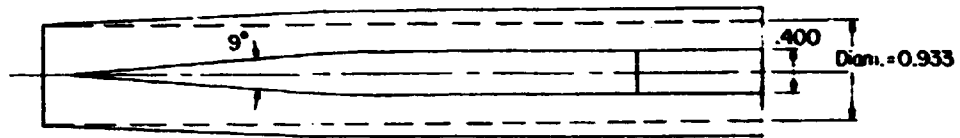
Figure 1.- Continued.

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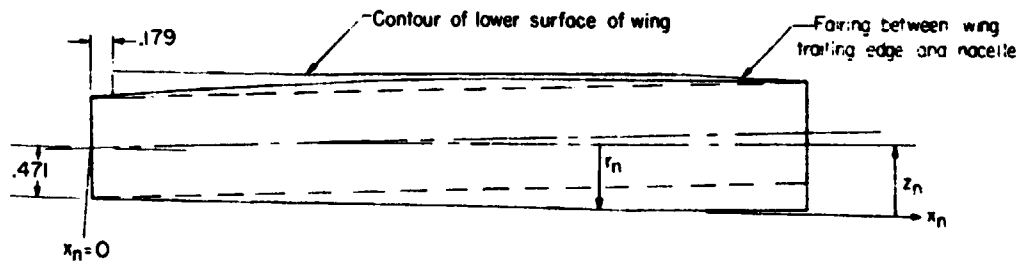
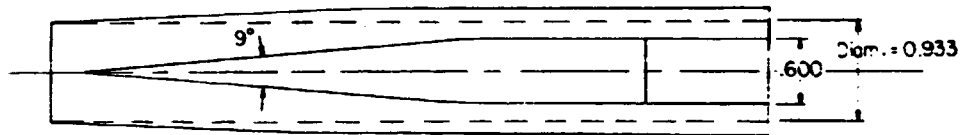
(d) Wing-tip sweep change and Krüger flap for  $M_2$

Figure 1.-Continued.



(e) Outboard engine nacelle.

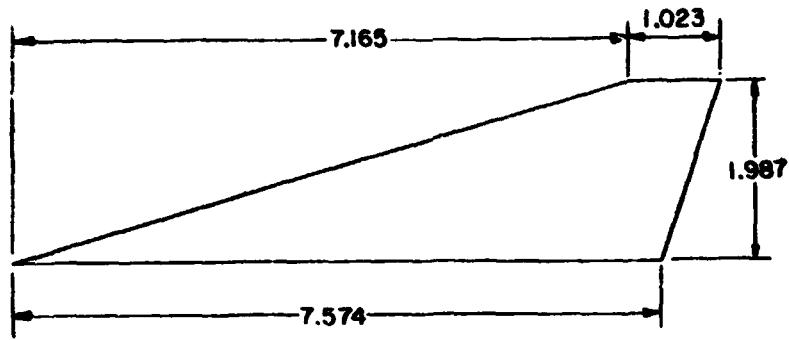
$x_n$	$z_n$	$r_n$
0	0.472	0.472
2.160	.566	.566
2.880	.594	.594
3.600	.615	.615
4.320	.629	.629
5.040	.636	.636
5.400	.635	.635
5.760	.635	.631
6.728	.635	.610



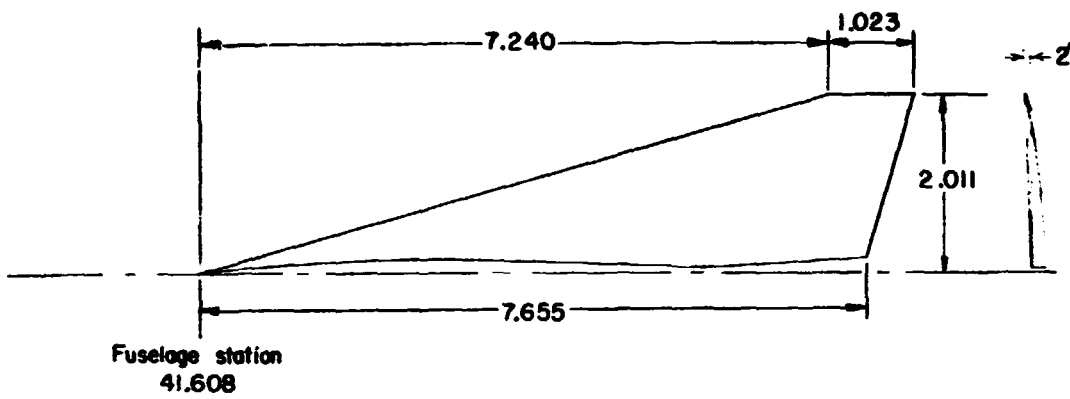
(f) Inboard engine nacelle.

Figure 1.-Continued.

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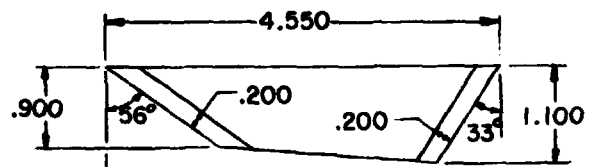


(g) Center line vertical tail.



Fuselage station  
41.608

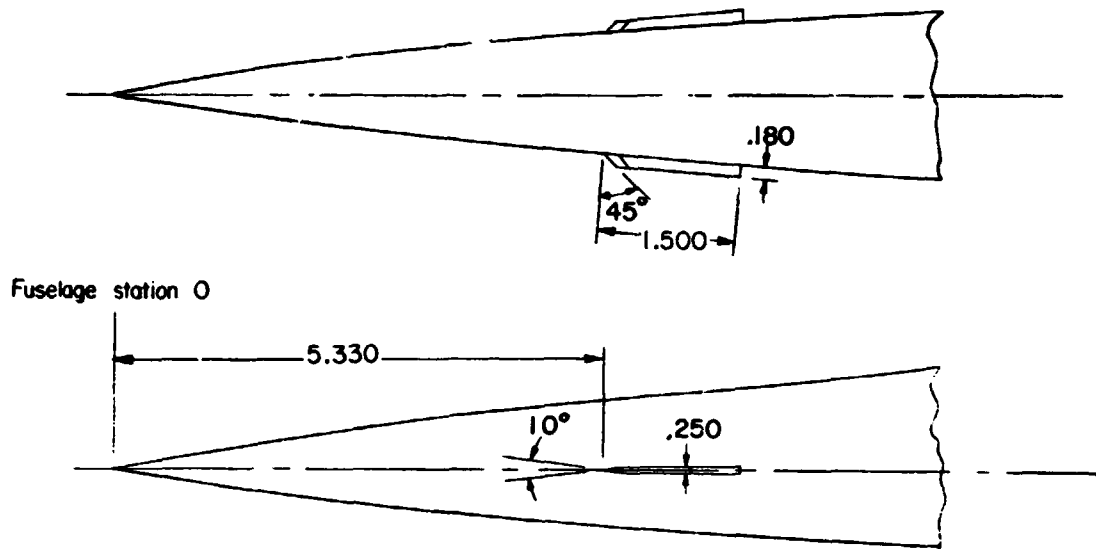
(h) Outboard vertical tails.



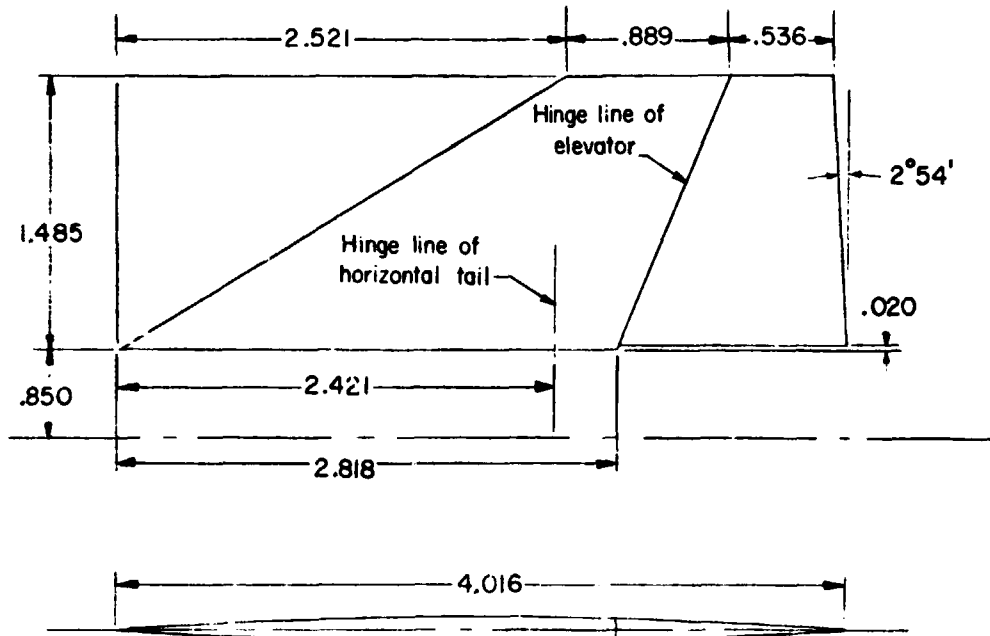
Fuselage station  
49.260

(i) Center line ventral fin.

Figure 1.-Continued.



(j) Strakes.

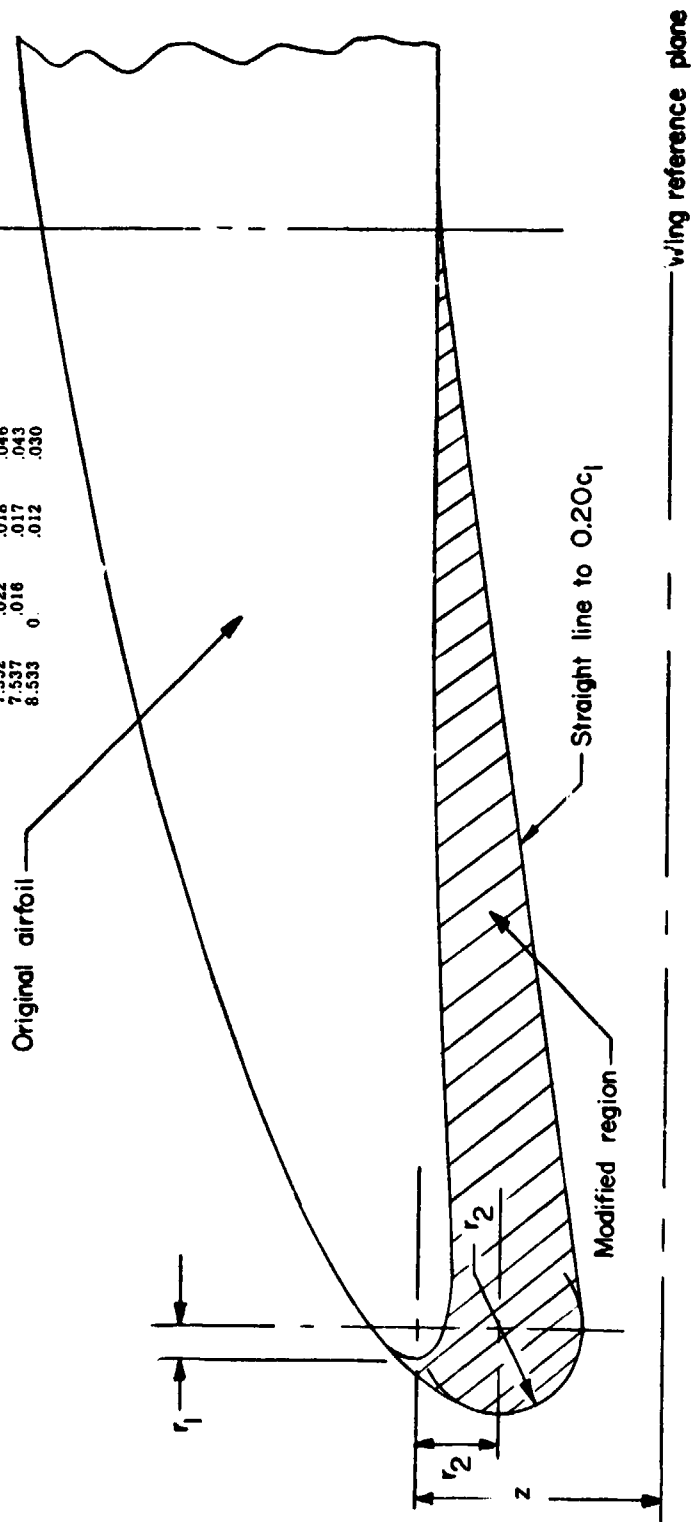


(k) Horizontal tail and elevator.

Figure 1.-Continued.

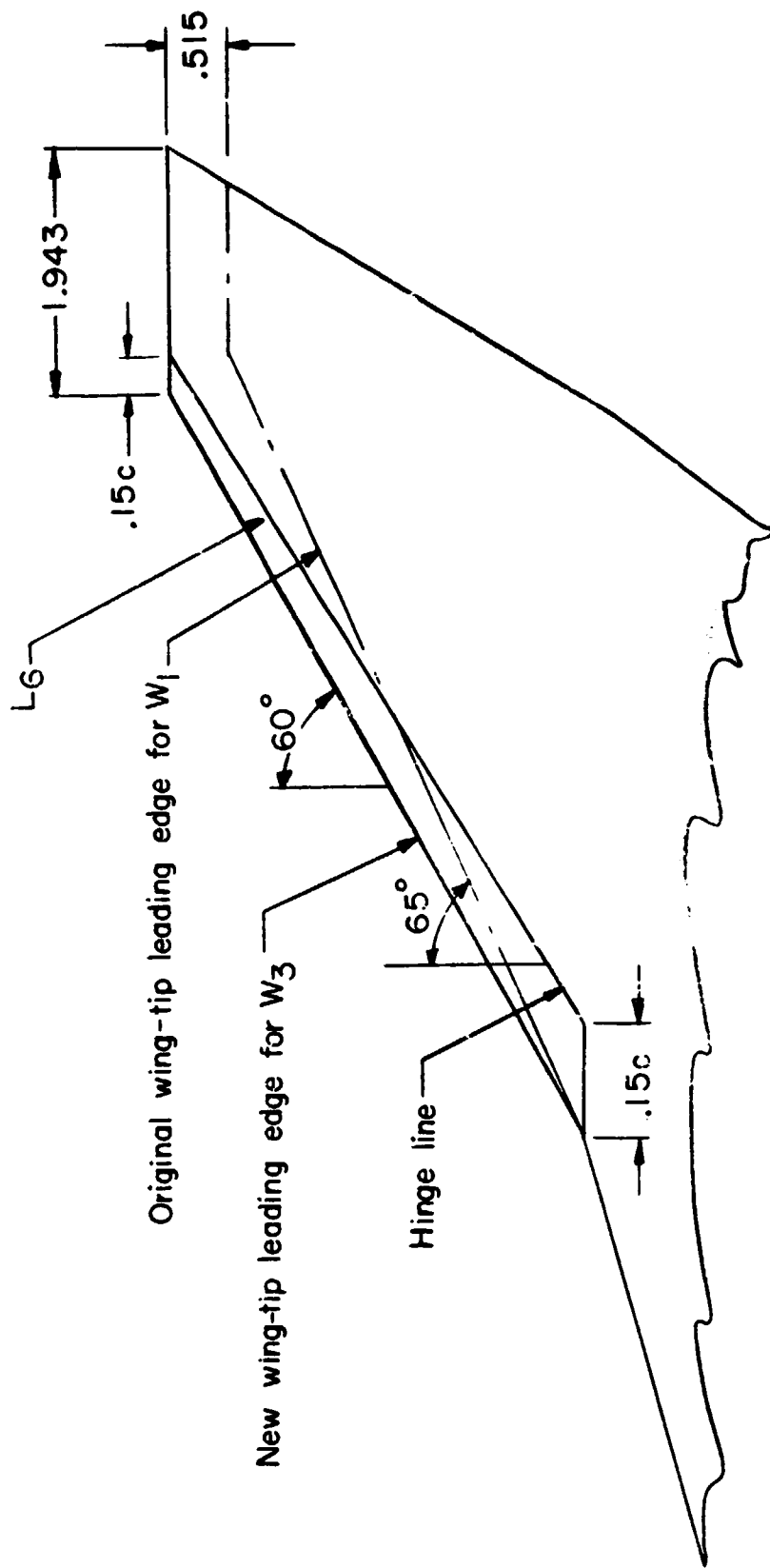
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y	z	r <sub>1</sub>	r <sub>2</sub>
1.713	1.120	0.052	0.130
2.370	.880	.048	.117
2.843	.788	.047	.114
3.113	.753	.044	.112
3.139	.658	.042	.106
3.402	.595	.041	.102
3.675	.529	.030	.088
4.004	.452	.037	.093
4.156	.420	.036	.090
4.874	.291	.032	.080
5.174	.244	.031	.076
5.475	.204	.028	.068
6.191	.124	.024	.062
6.852	.058	.021	.052
7.352	.022	.016	.046
7.537	.016	.017	.043
8.533	0.	.012	.030



(z) Modification of leading-edge radius for W<sub>2</sub>.  
 (Section illustrated is perpendicular to wing leading edge.)

Figure 1.-Continued.

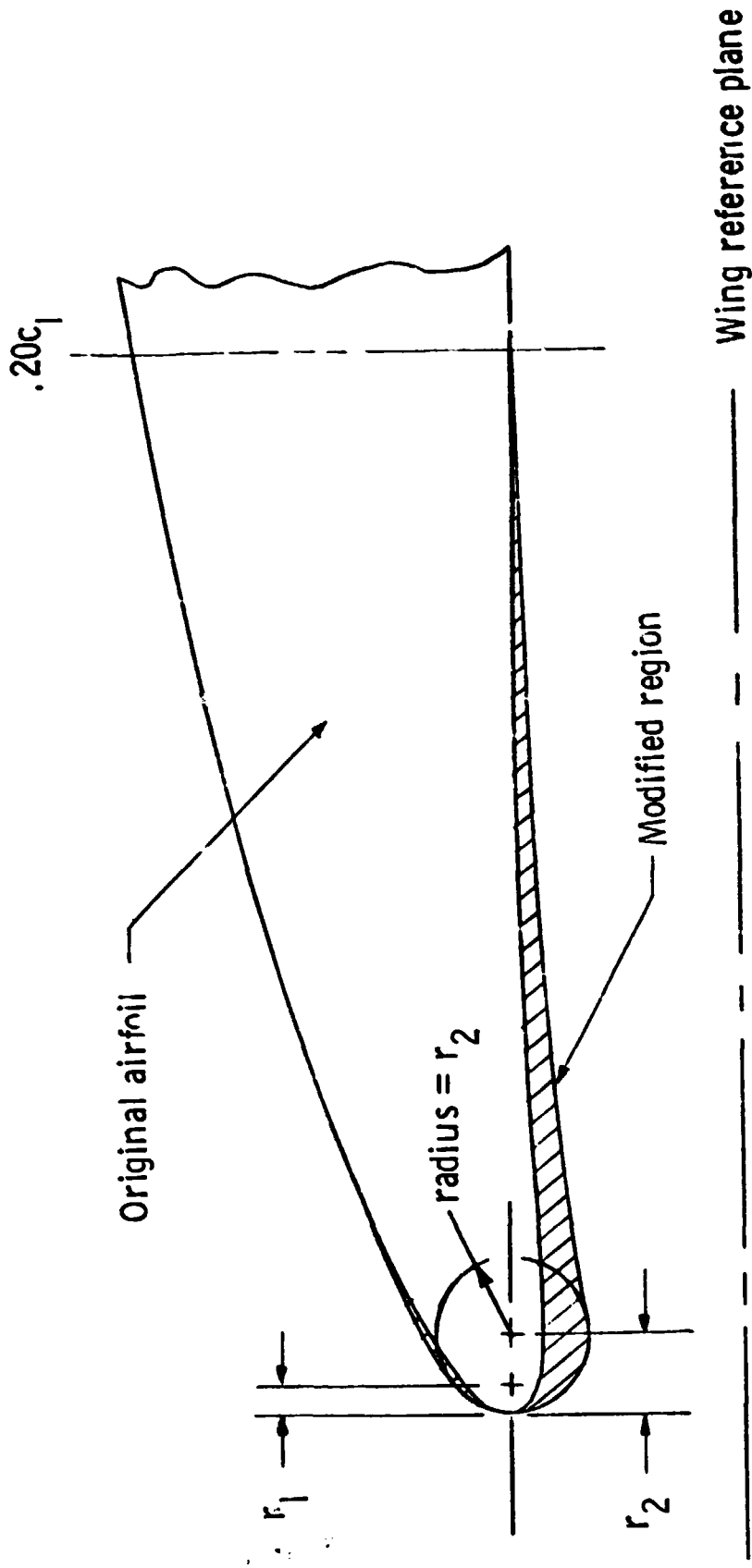


(m) Modifications to wing tip for  $W_3$ .

Figure 1. - Continued.

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(n) Modification of leading-edge radius for  $W_3$ .

(Section illustrated is perpendicular to wing leading edge).

Figure 1. - Concluded.



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Figure 2.- Photograph of model.

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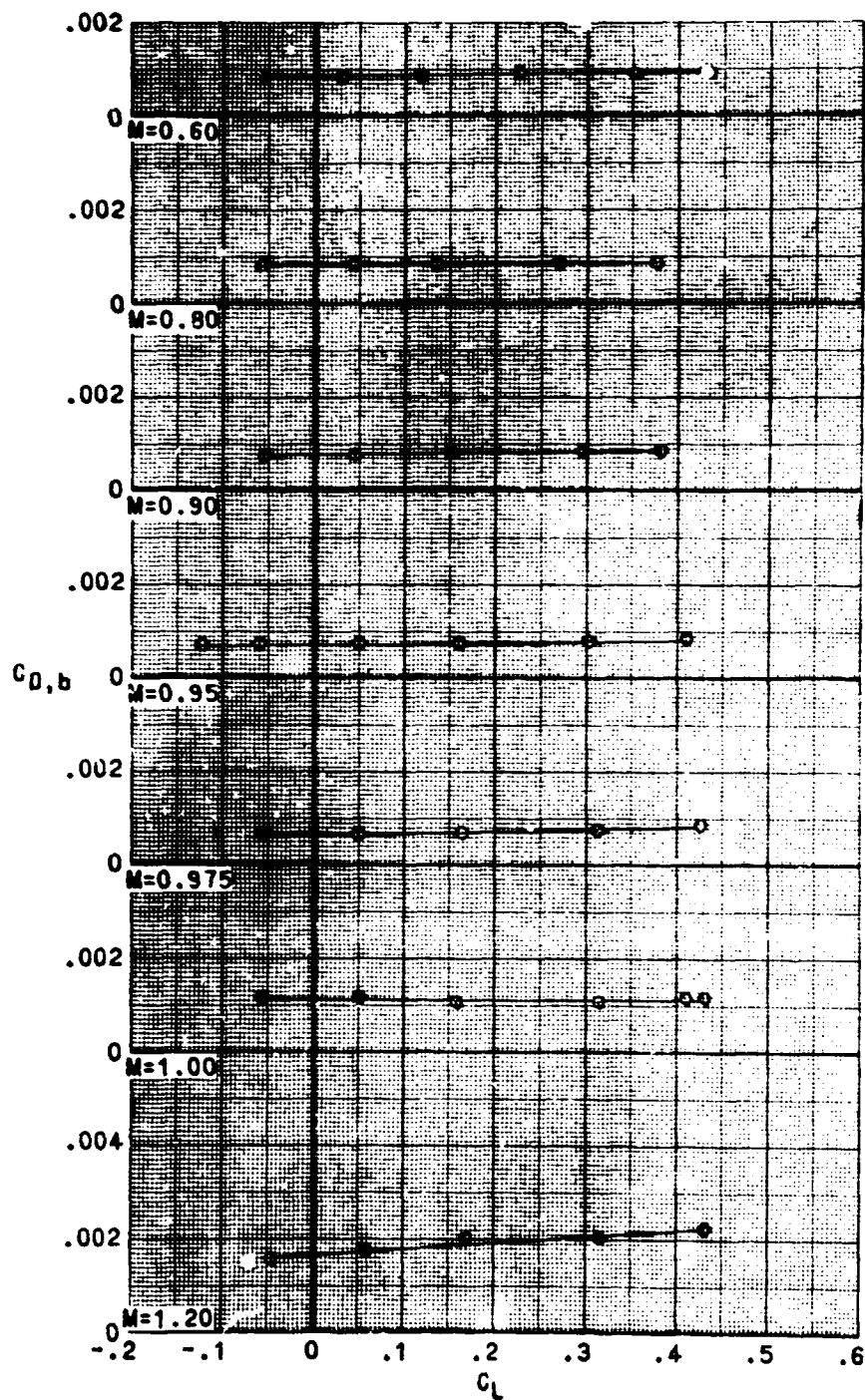
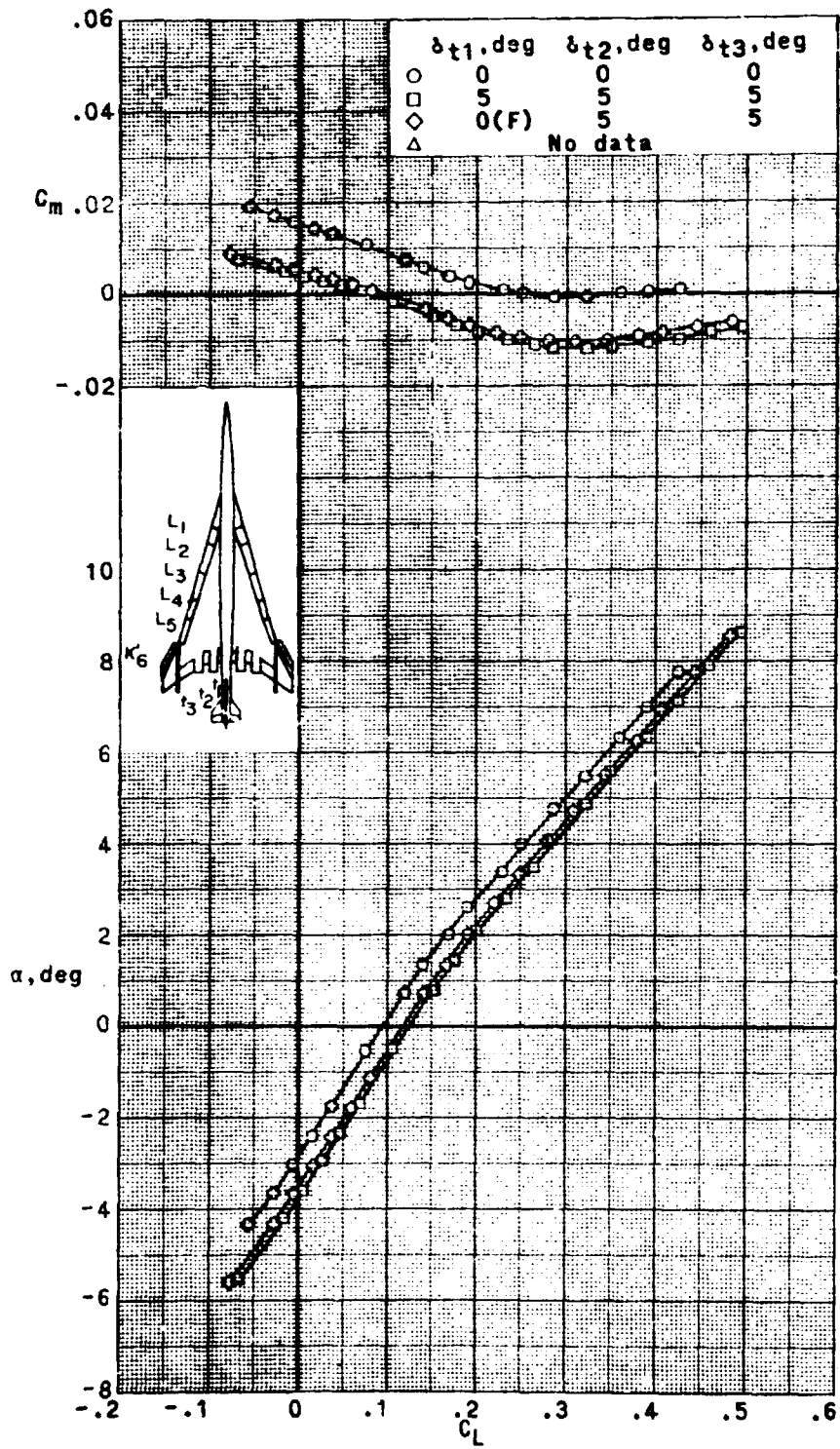


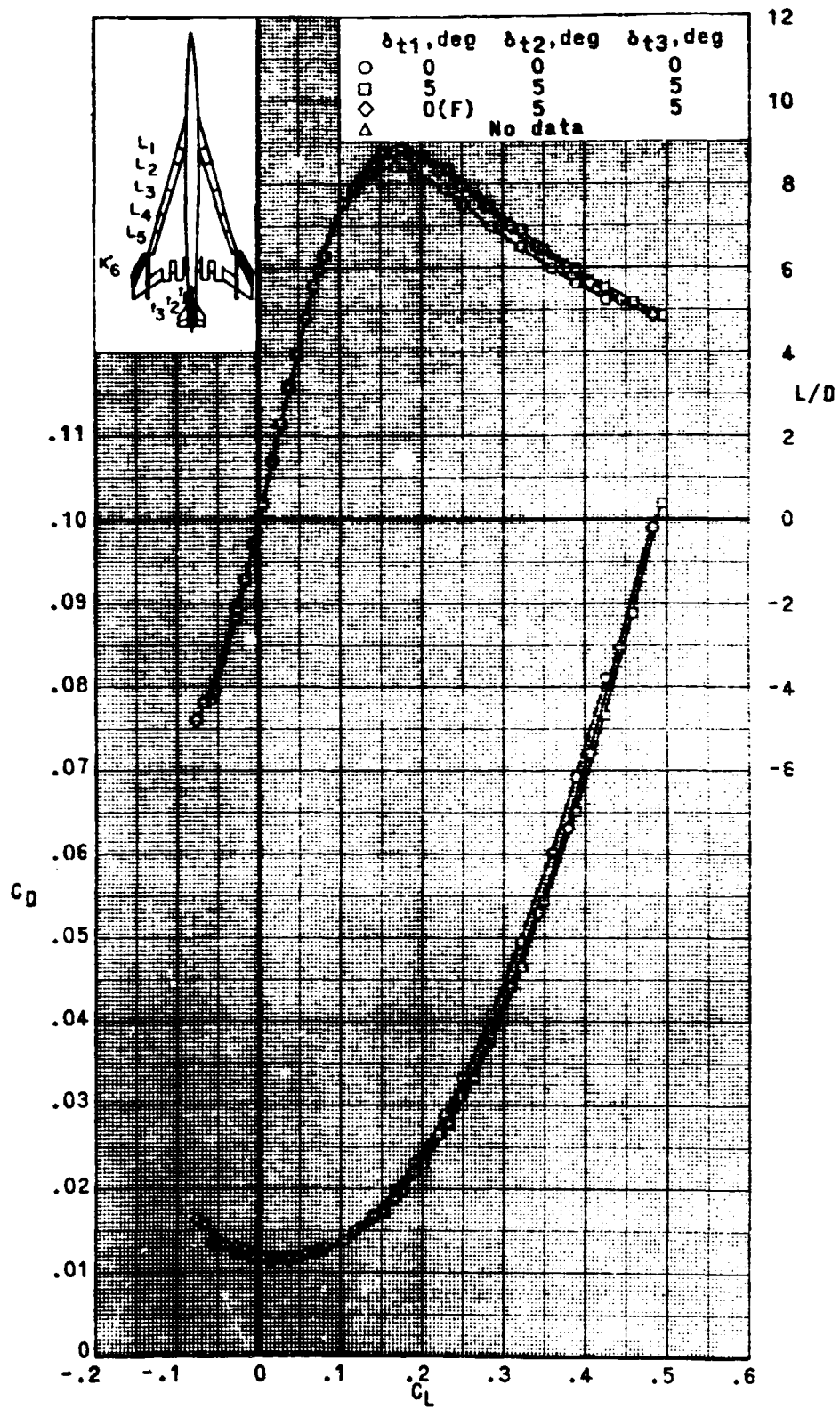
Figure 3.- Variation of nacelle base drag coefficients with lift coefficient for  $B_1W_1E_2H_1V_1V_2$ .  
 $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{U,2,3} = 0^\circ$ ;  $A_{up} = 85^\circ$ ; Krüger flap off.



(a)  $M = 0.60$ .

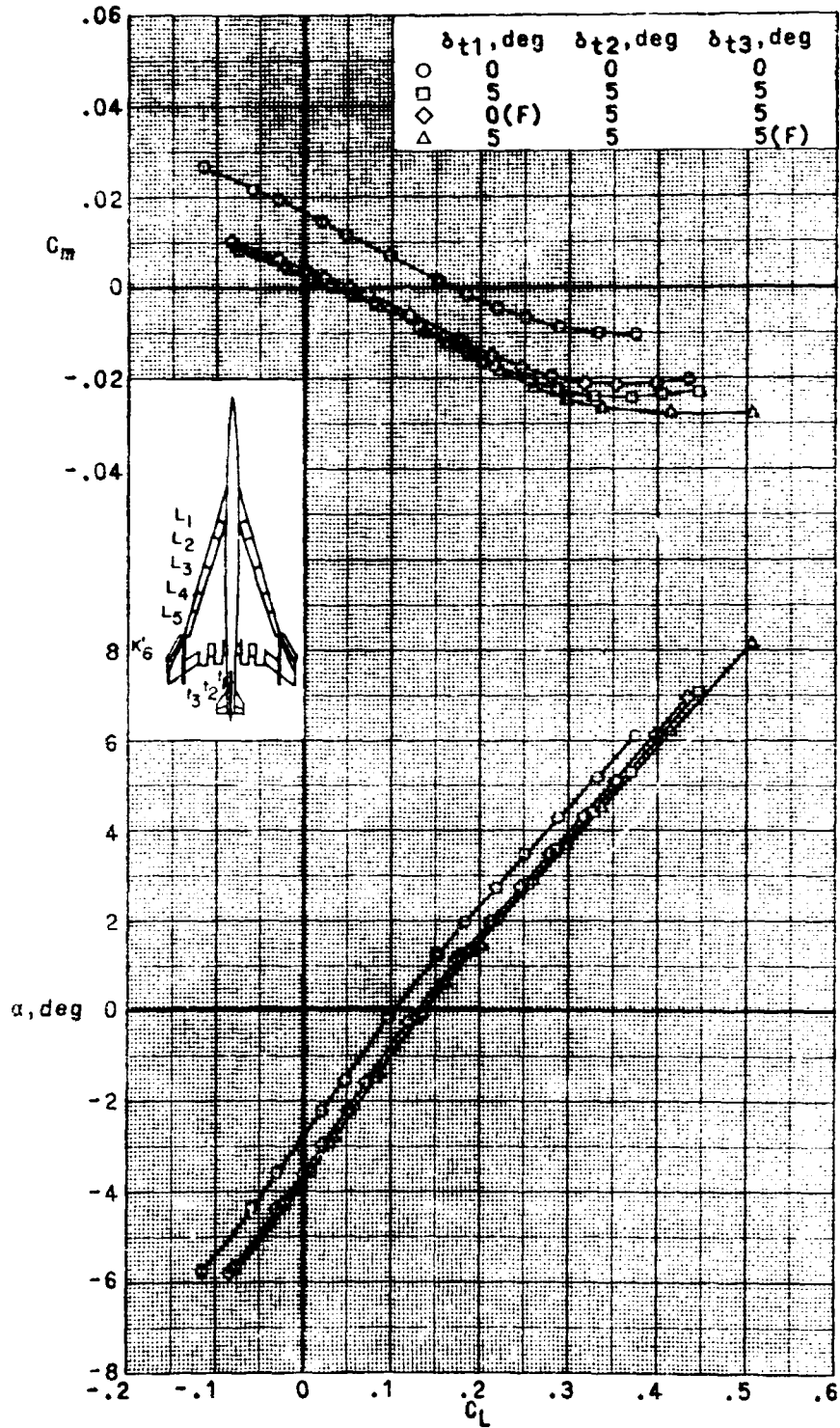
Figure 4.- Effects of trailing-edge-flap deflections on the longitudinal aerodynamic characteristics of  $B_1 W_1 E_2 H_1 V_1 V_2$ .  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\Lambda_{\text{tip}} = 65^\circ$ ; Krueger flap off.

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(a)  $M = 0.60$ . Concluded.

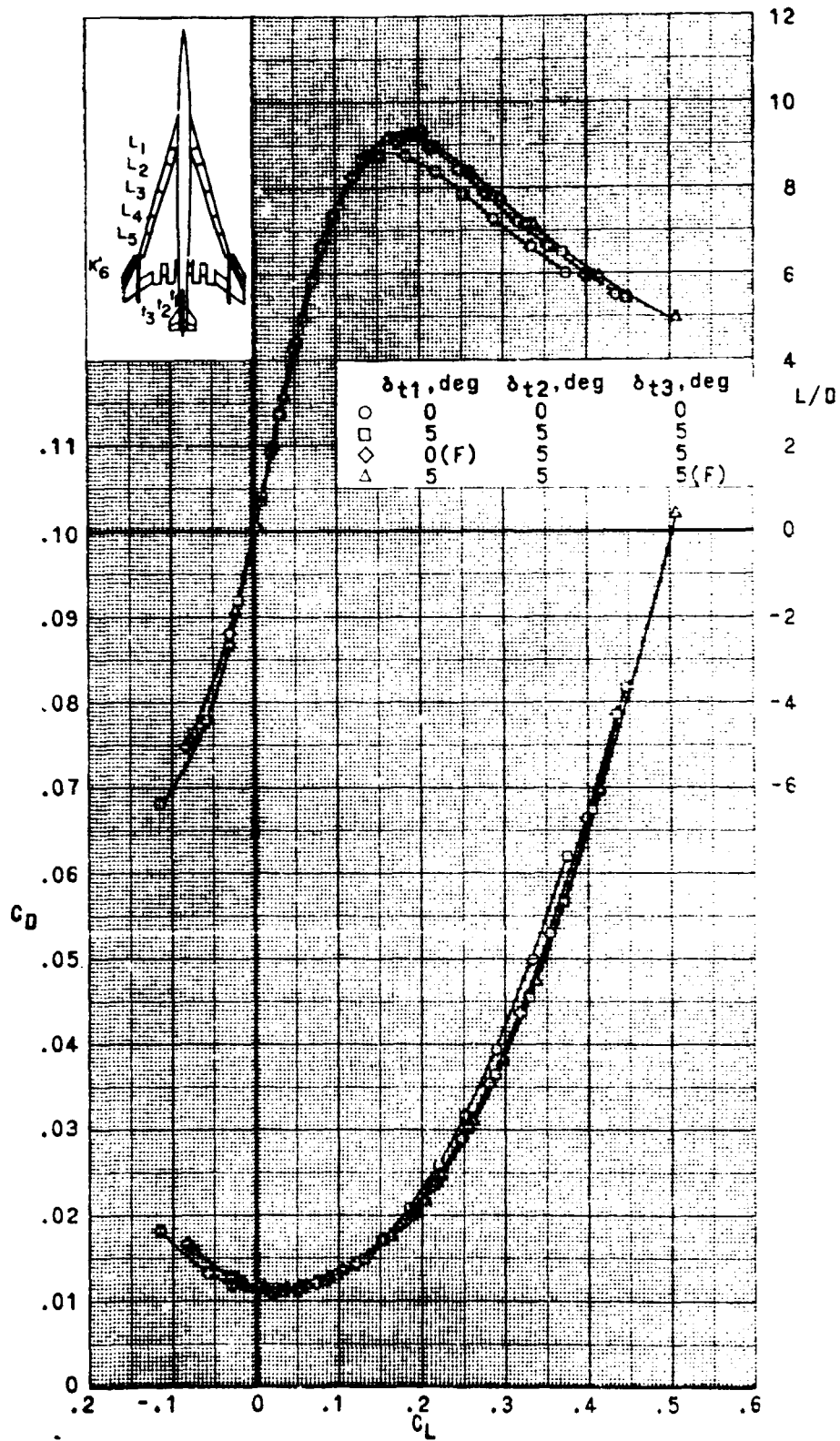
Figure 4.- Continued.



(b)  $M = 0.90$ .

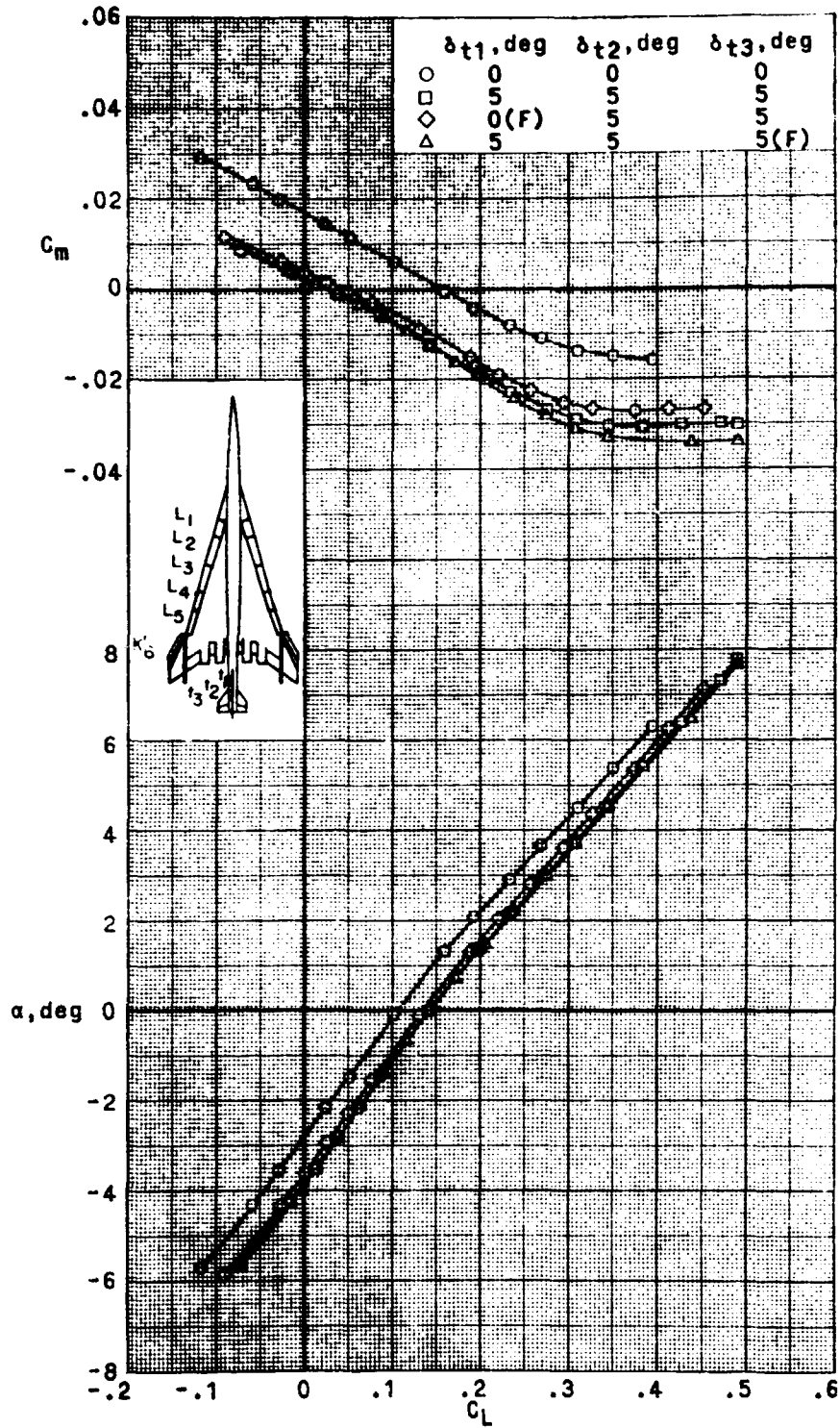
Figure 4.- Continued.

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(b)  $M = 0.90$ . Concluded.

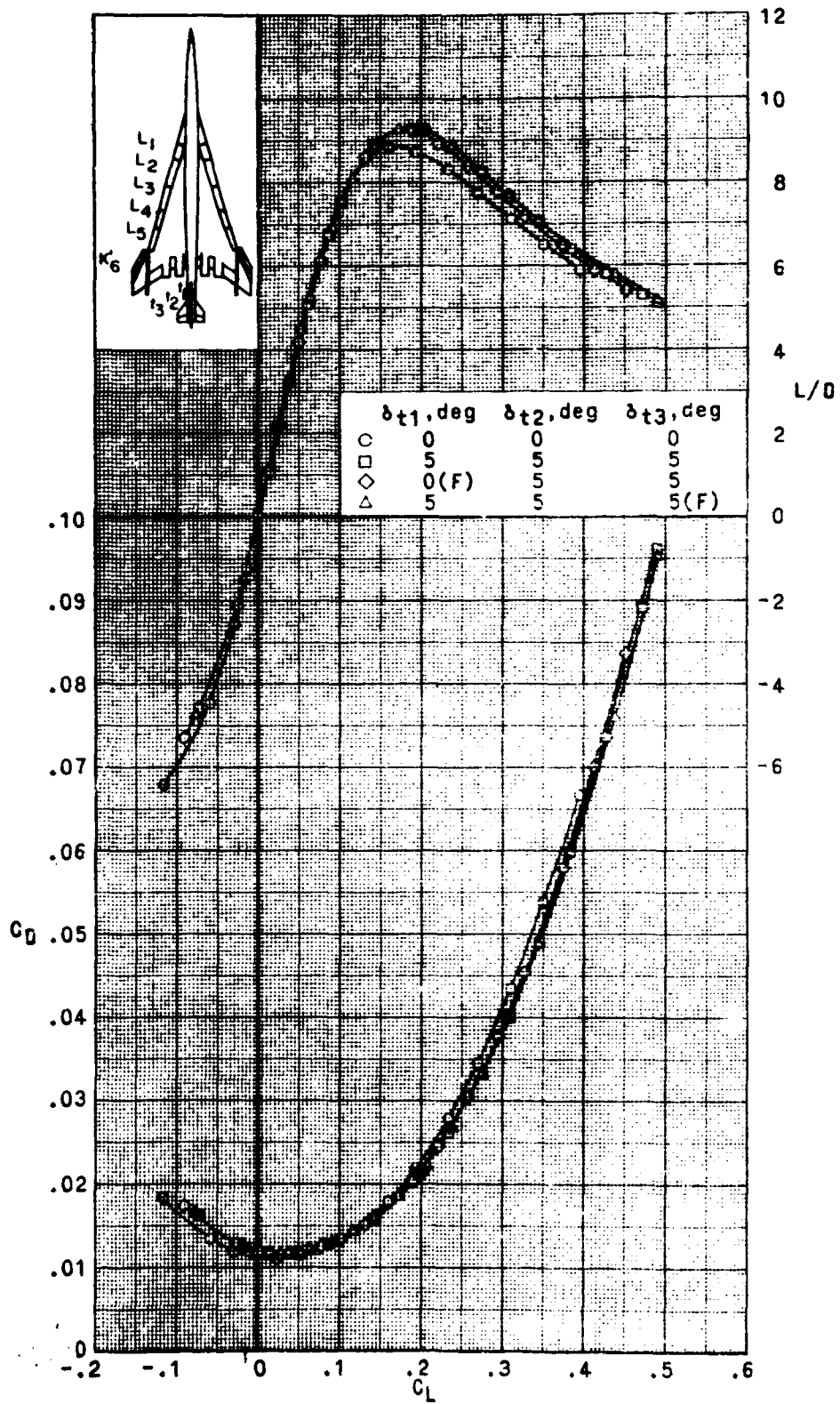
Figure 4.- Continued



(c)  $M = 0.95$ .  
 Figure 4.- Continued.

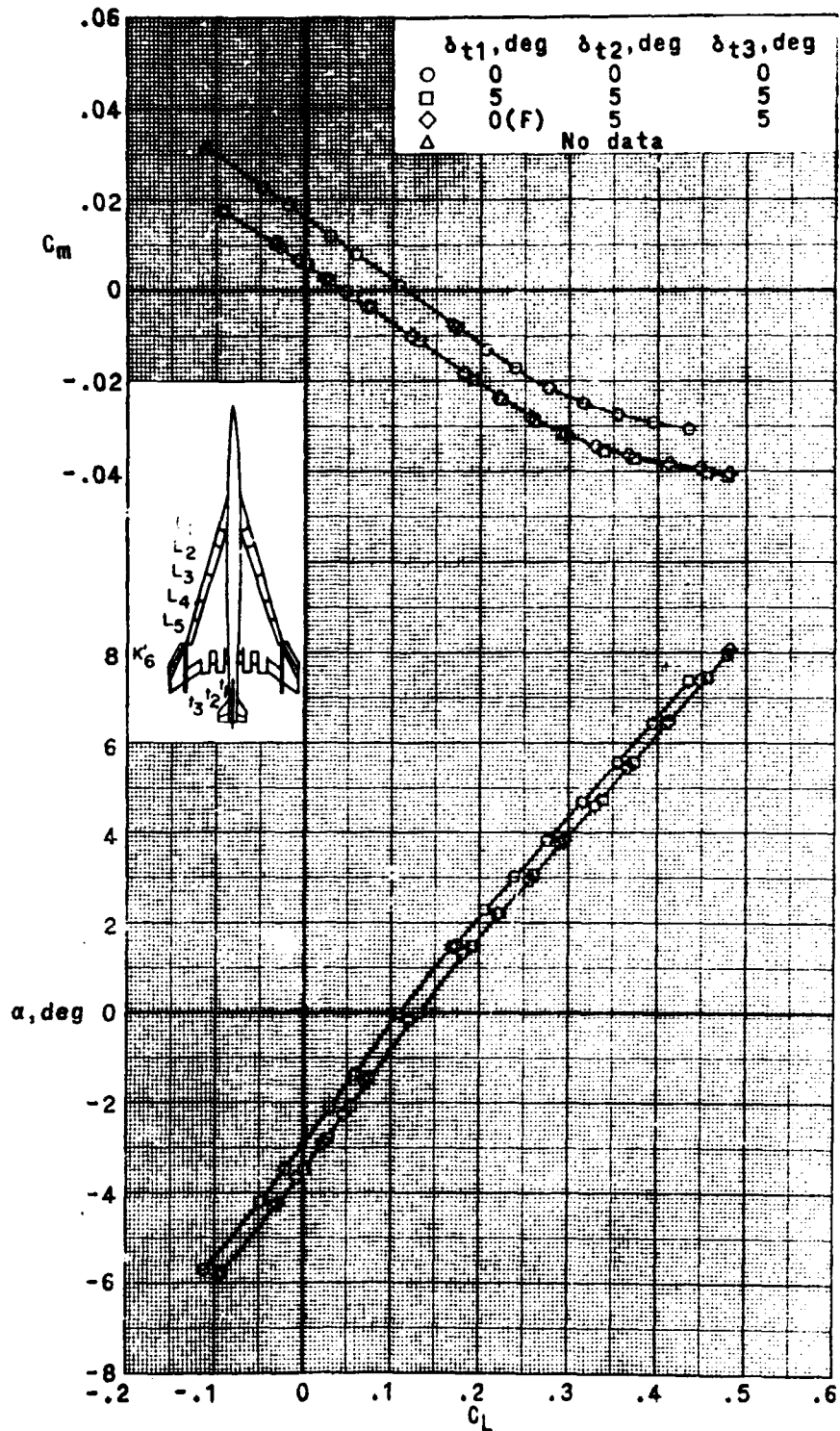
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(c)  $M = 0.95$ . Concluded

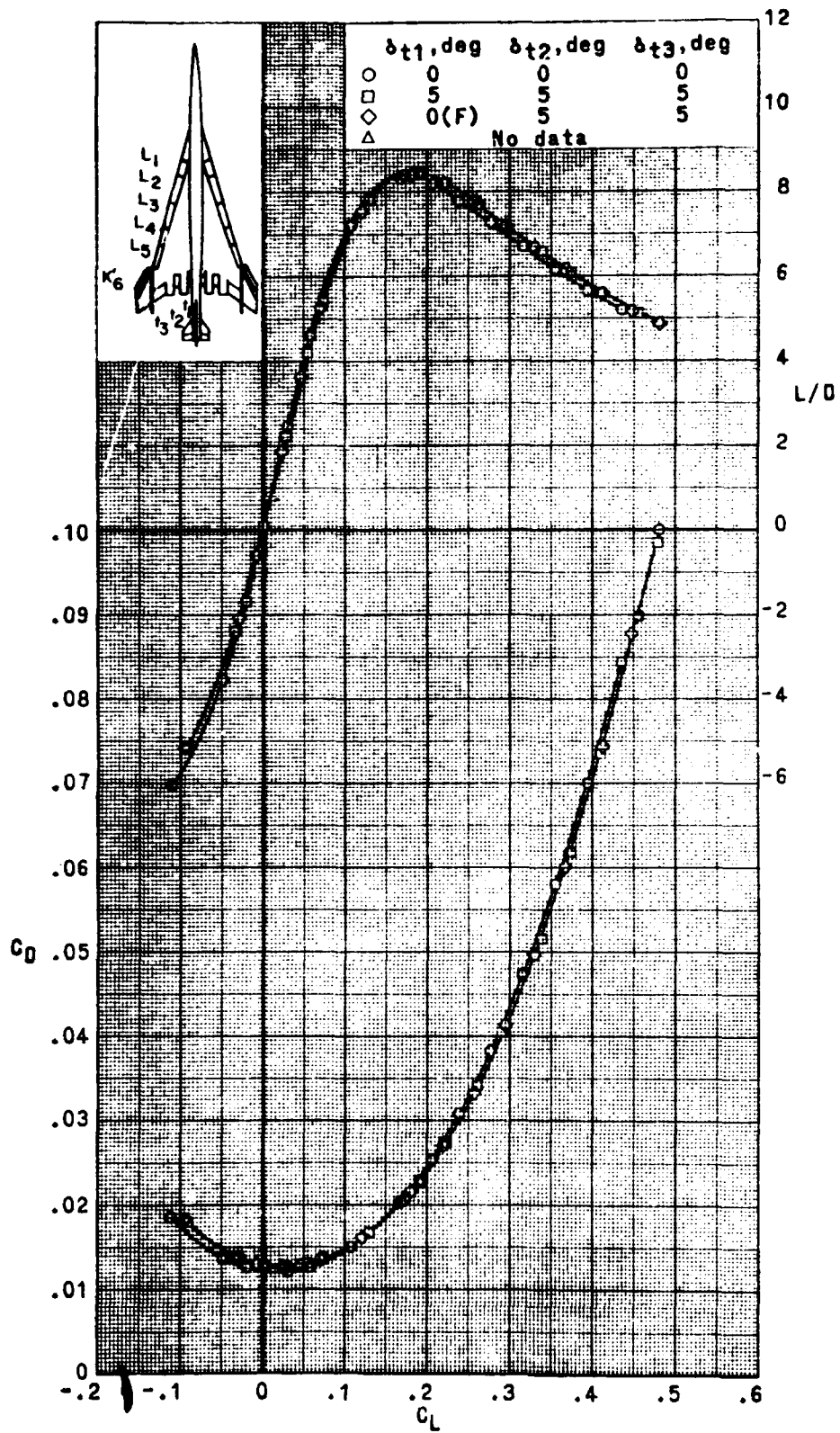
Figure 4.- Continued.



(d)  $M = 1.20$ .

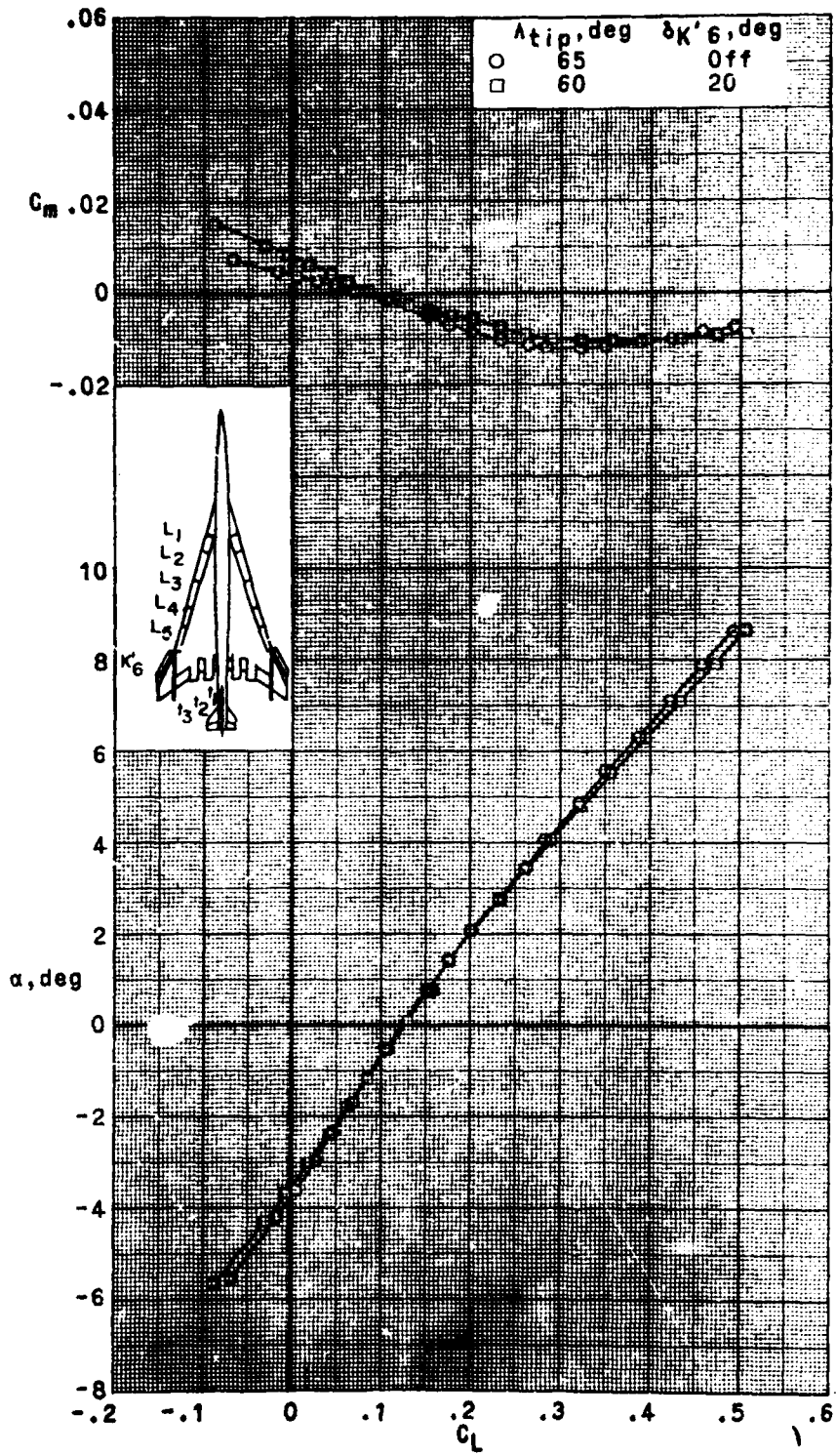
Figure 4.- Continued.

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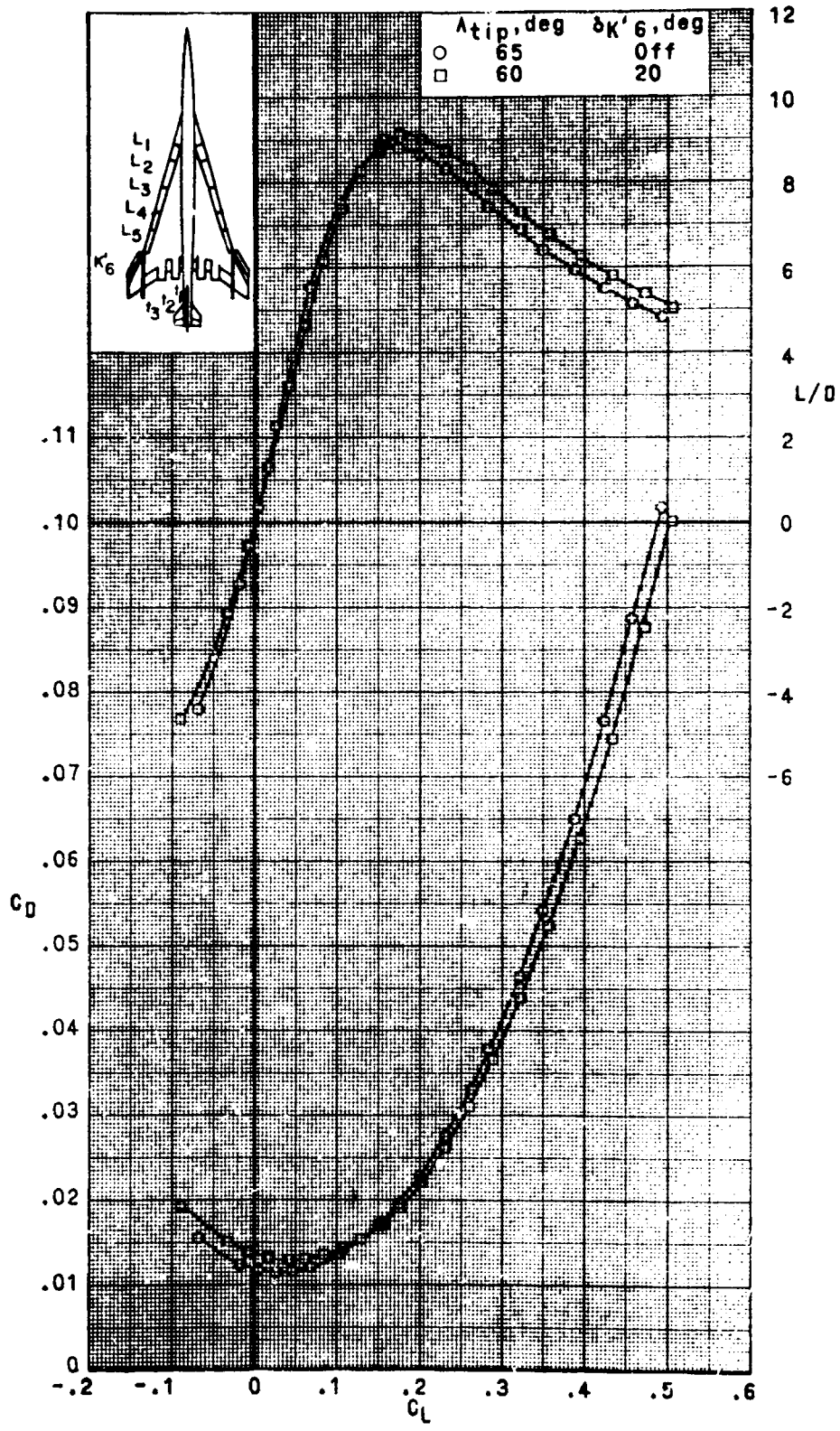
(d)  $M = 1.20$ . Concluded.

Figure 4.- Concluded.



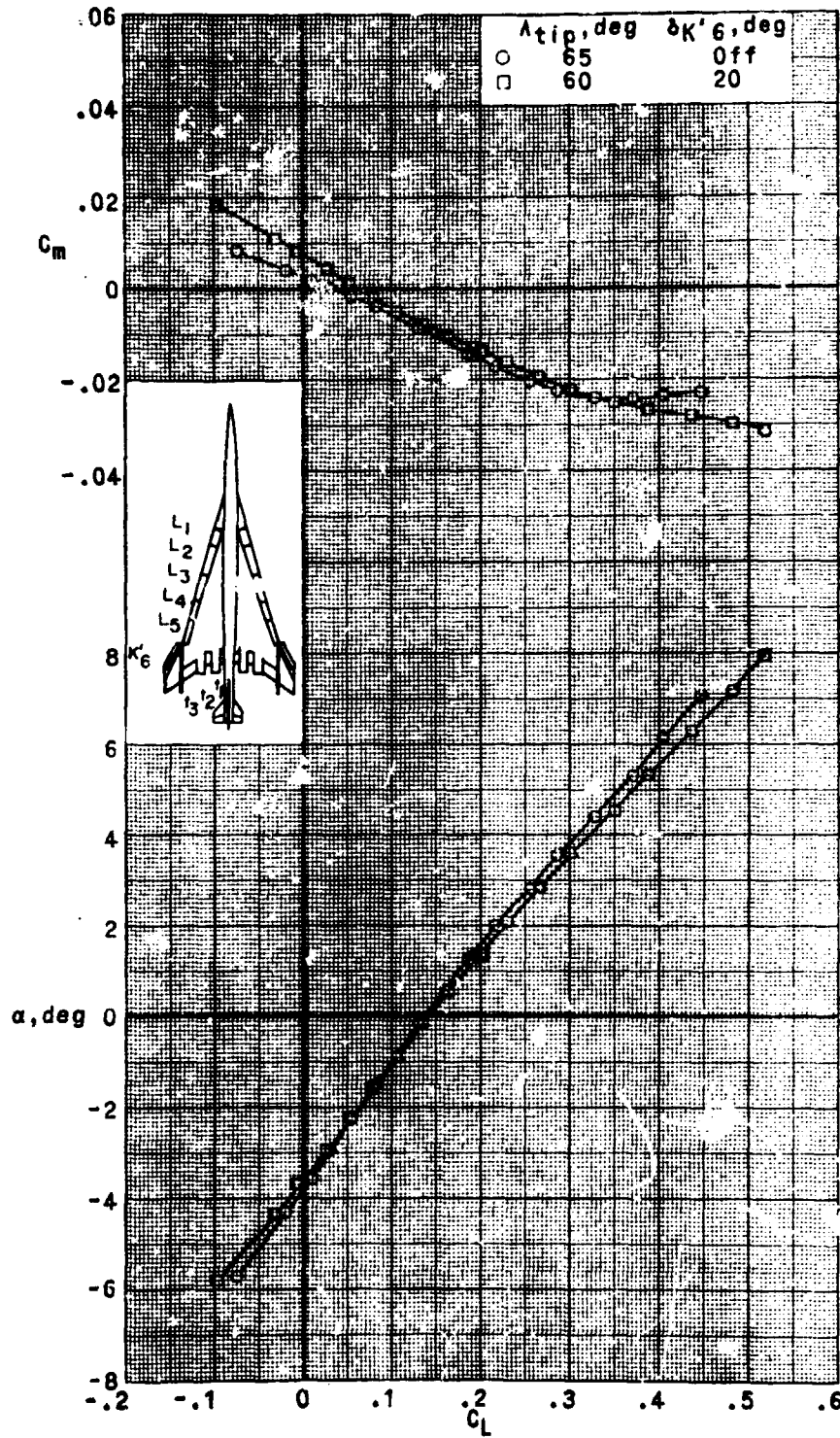
(a)  $M = 0.00$ .

Figure 5.- Effects of wing-tip sweep change and Krüger flaps on the longitudinal aerodynamic characteristics of B-26.  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{K1,2,3} = 5^\circ$ .



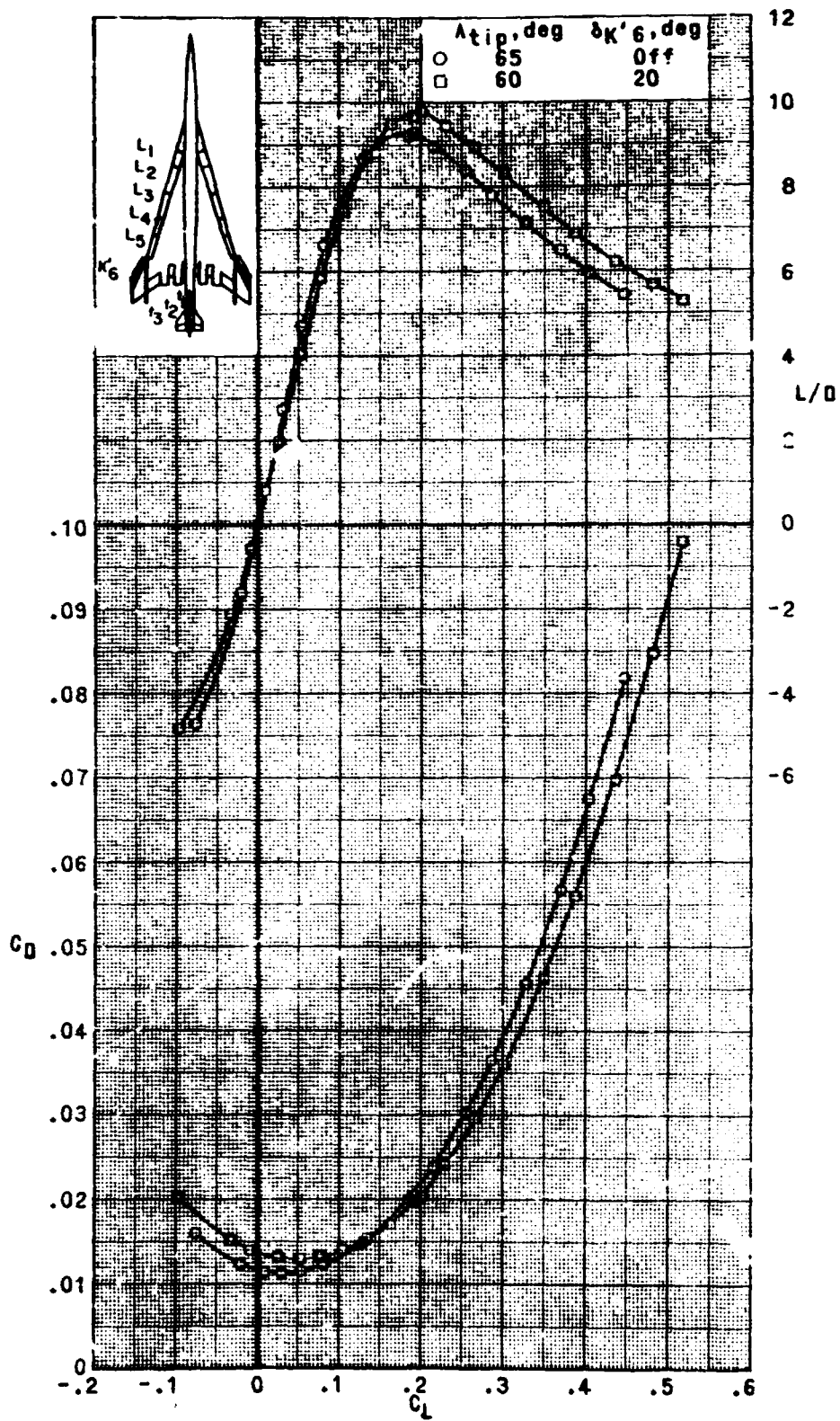
(A)  $M = 0.60$ . Concluded.

Figure 5.- Continued.



(b)  $M = 0.90$ .  
 Figure 5.- Continued.

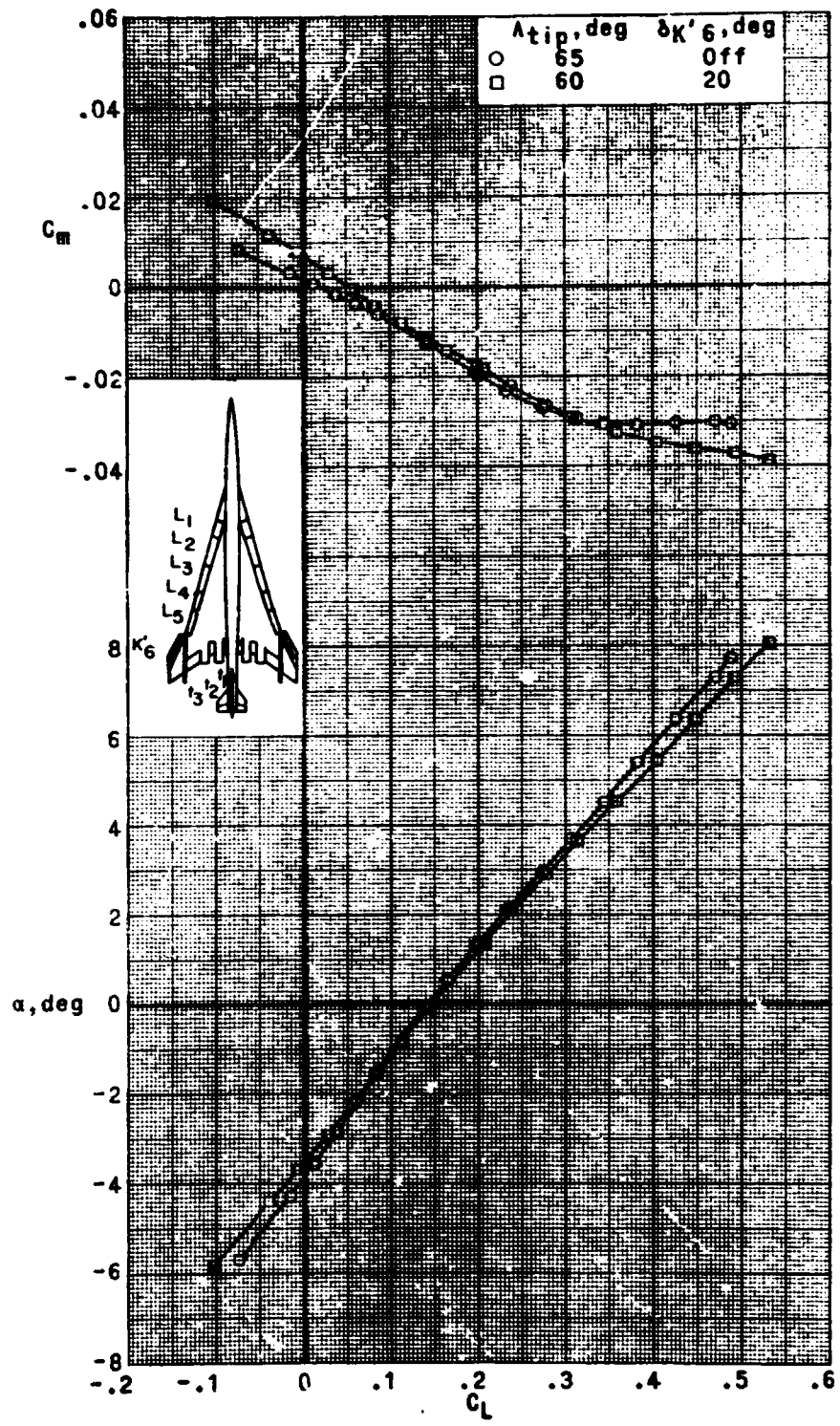
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(b)  $M = 0.90$ . Concluded.

Figure 5.- Continued.



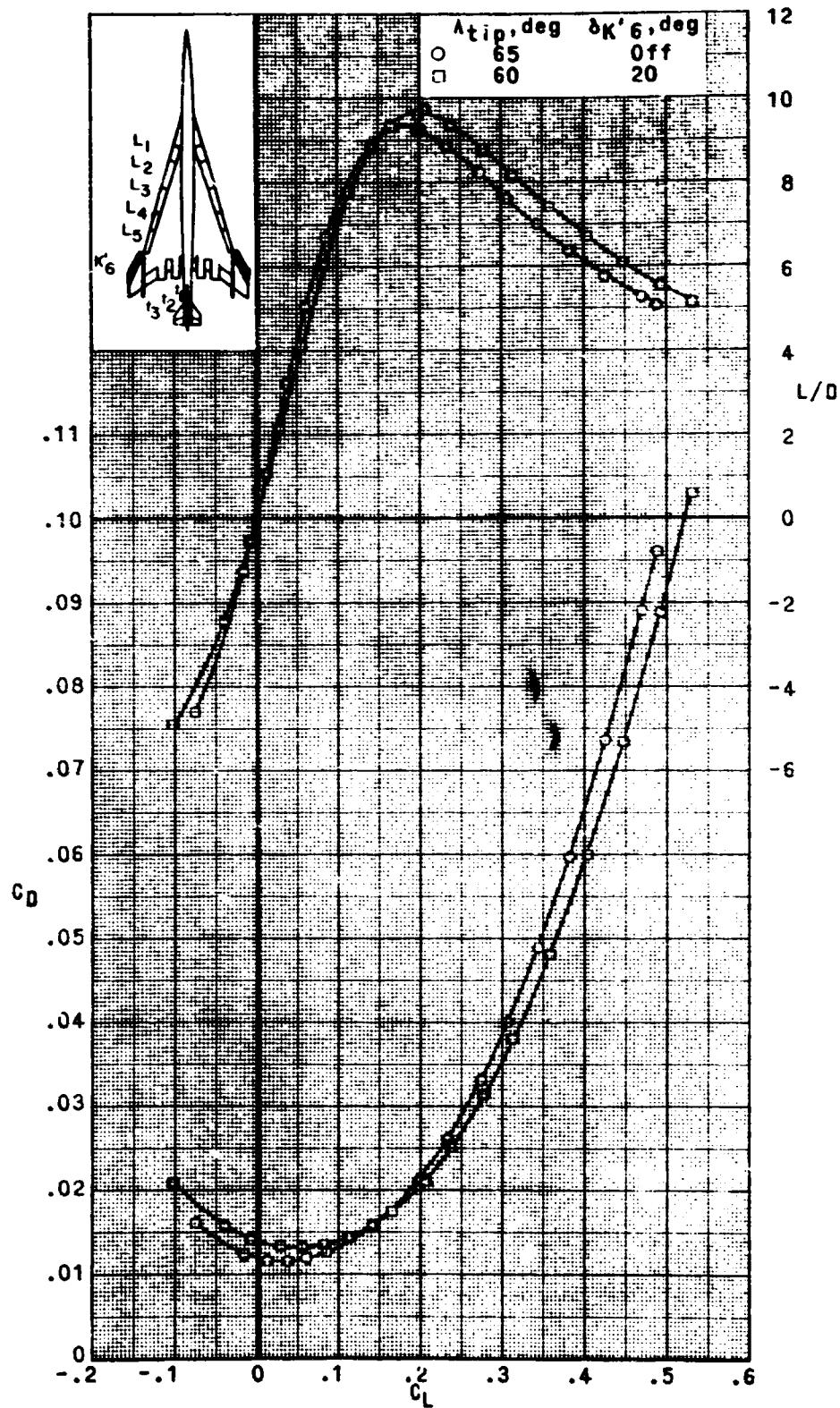


(c)  $M = 0.95$ .

Figure 5.- Continued.

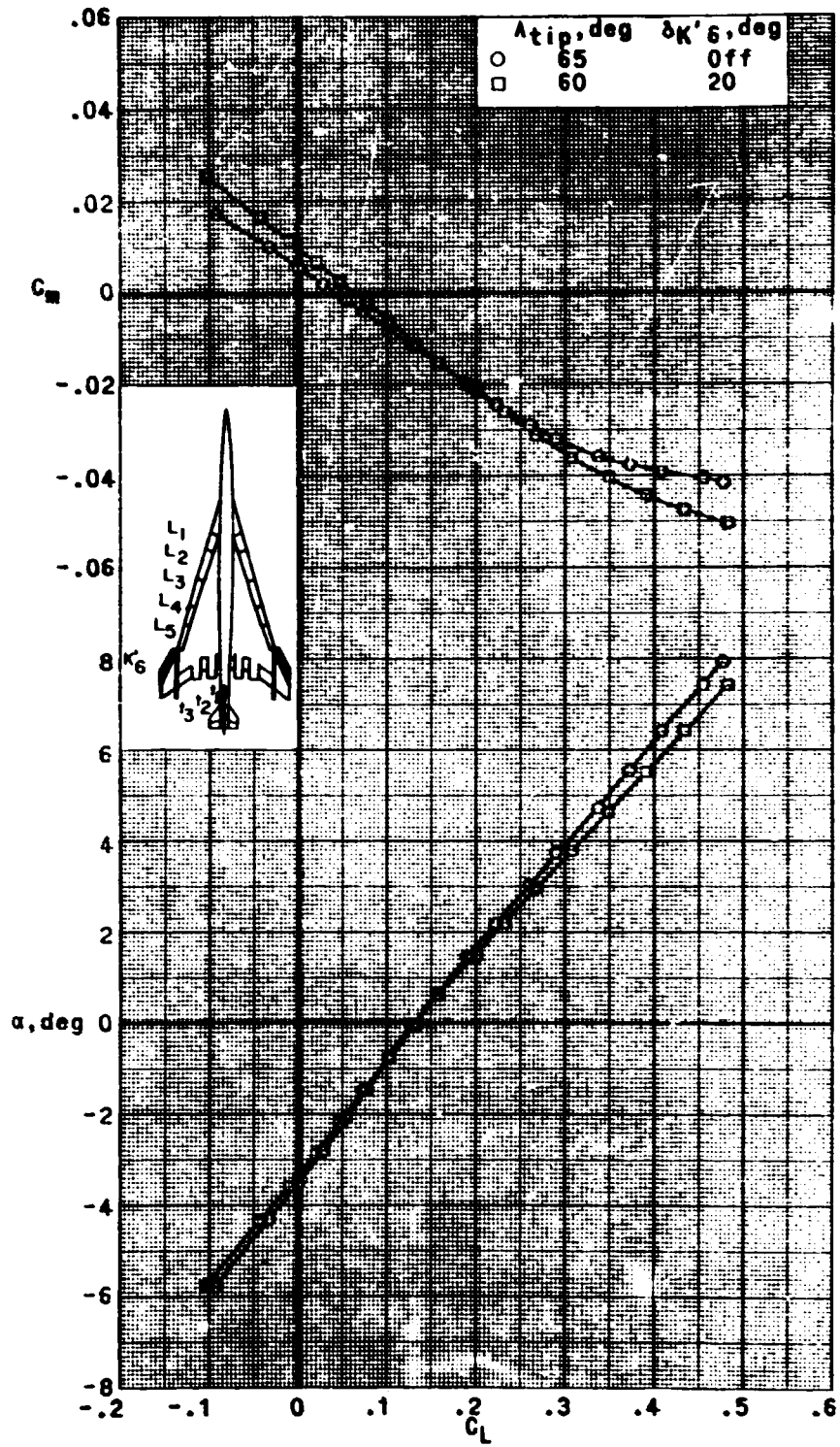
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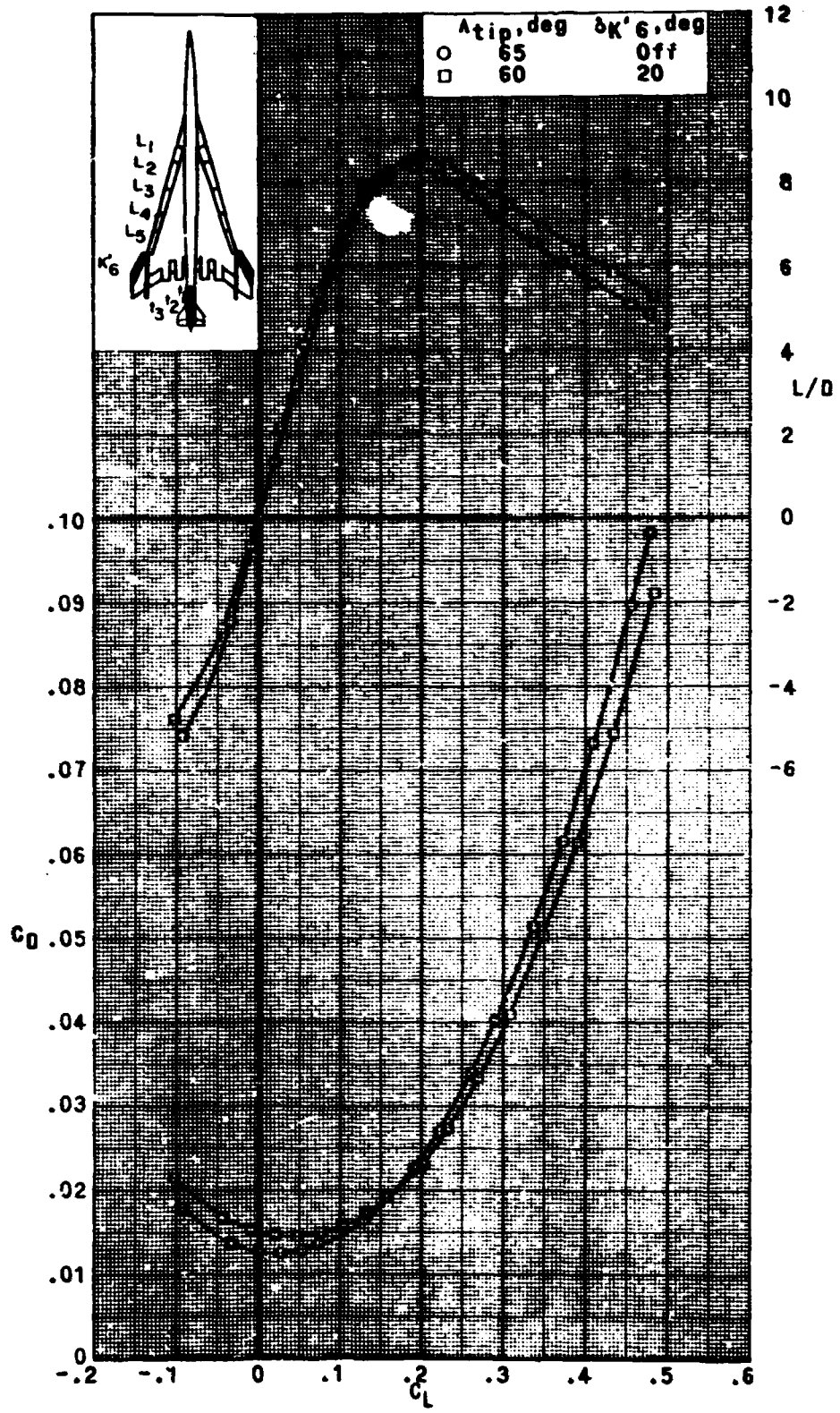
(c)  $M = 0.95$ . Concluded.

Figure 5.- Continued.



(d)  $M = 1.20$ .

Figure 5.- Continued.



(d)  $M = 1.20$ . Concluded.

Figure 5.- Concluded.

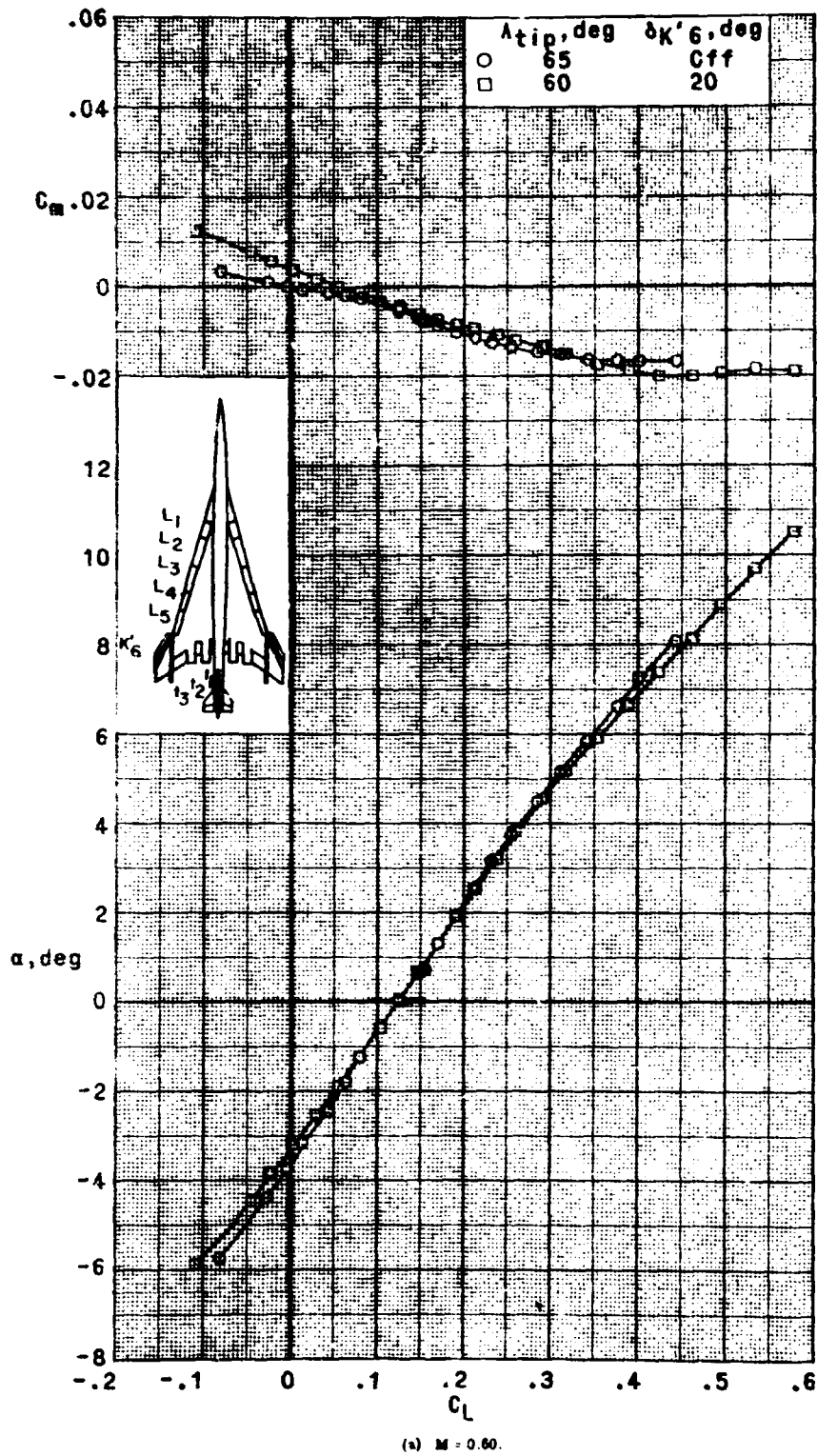
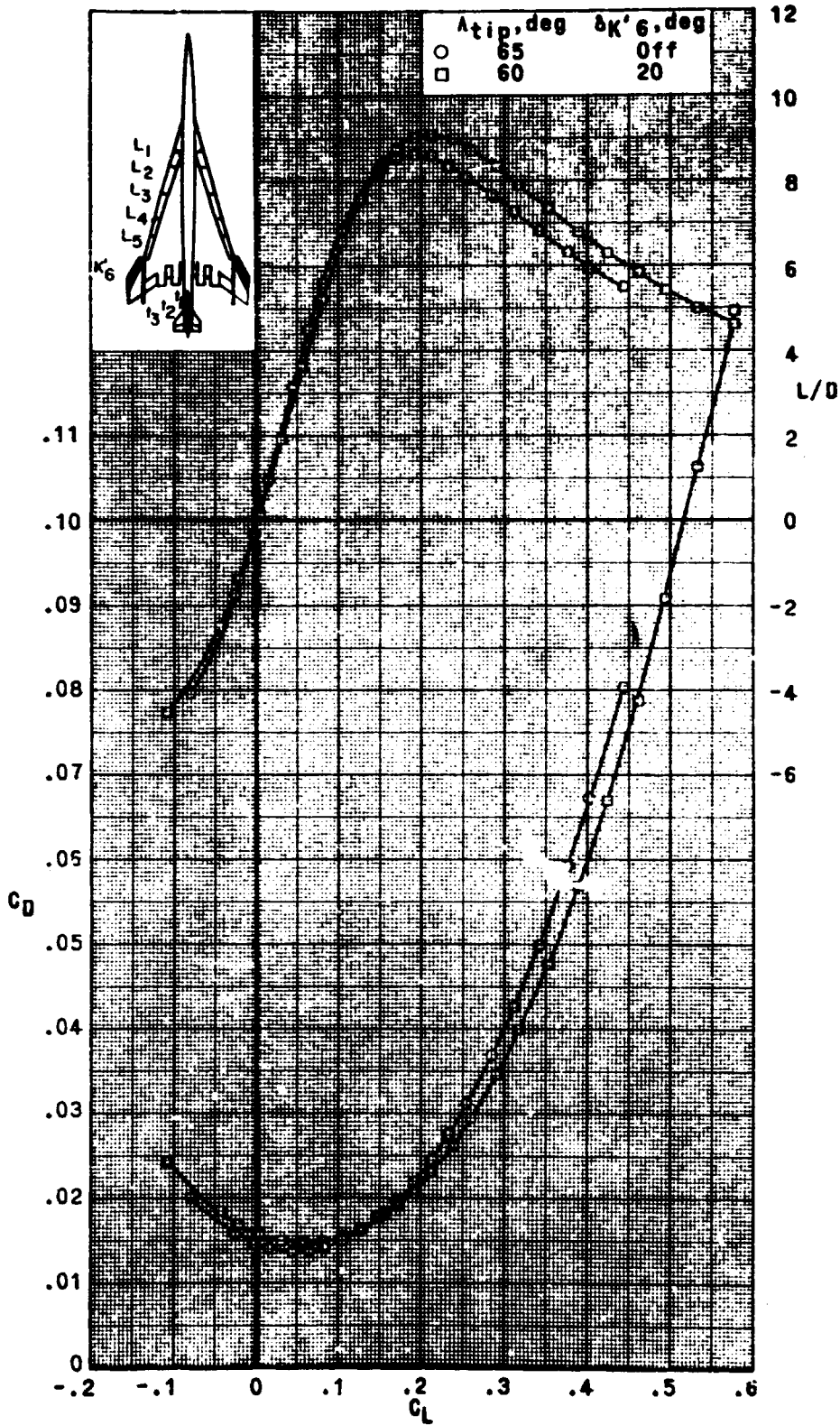
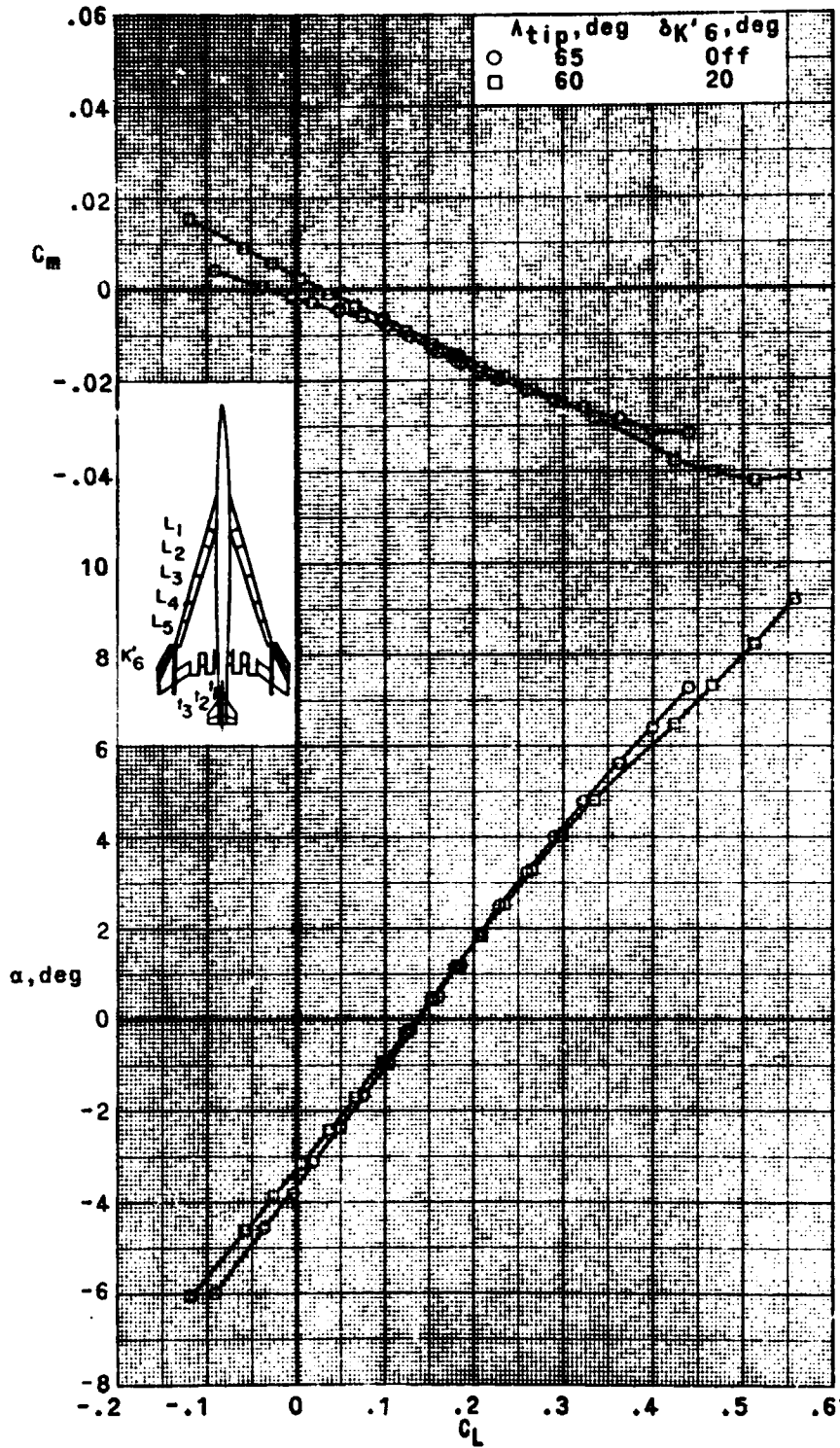


Figure 6.- Effects of wing-tip sweep change and Krüger flap on the longitudinal aerodynamic characteristics of  $B_1W_1E_2H_1V_1V_2$ ;  $\delta_{L1,2,3,4,5} = 15^\circ$ ;  $\delta_{L1,2,3} = 5^\circ$ .

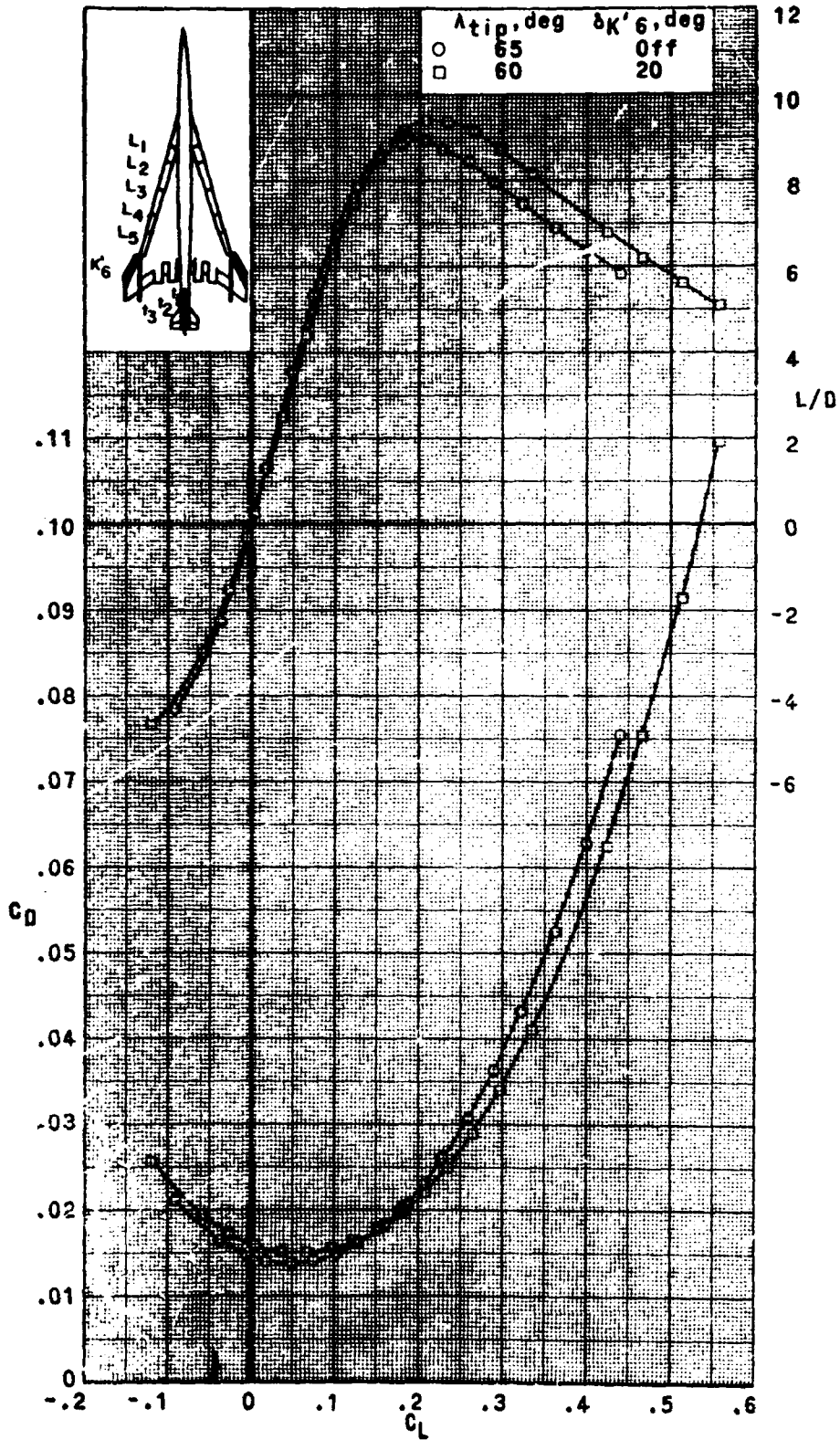
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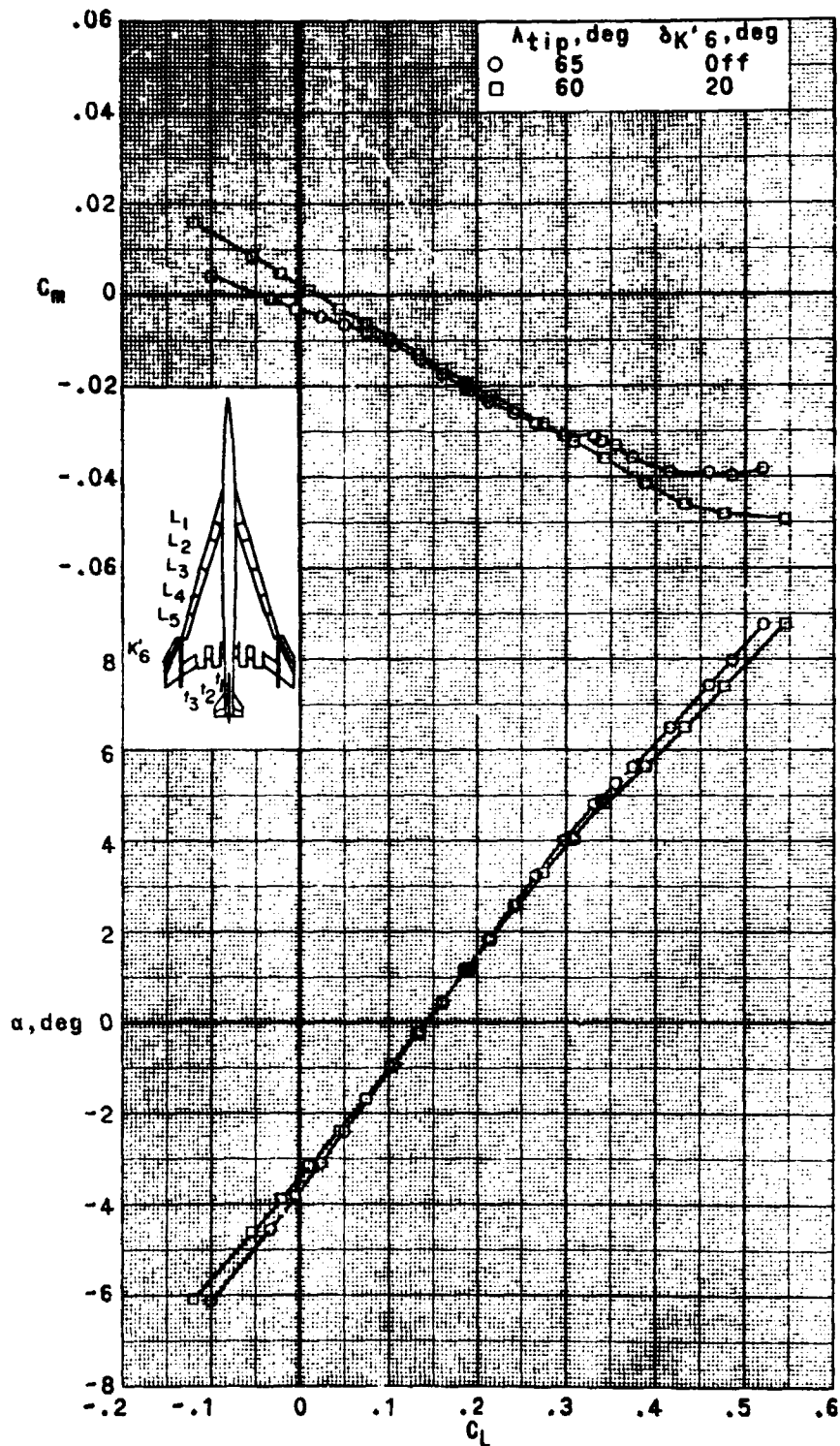


(b)  $M = 0.90$ .

Figure 6.- Continued.



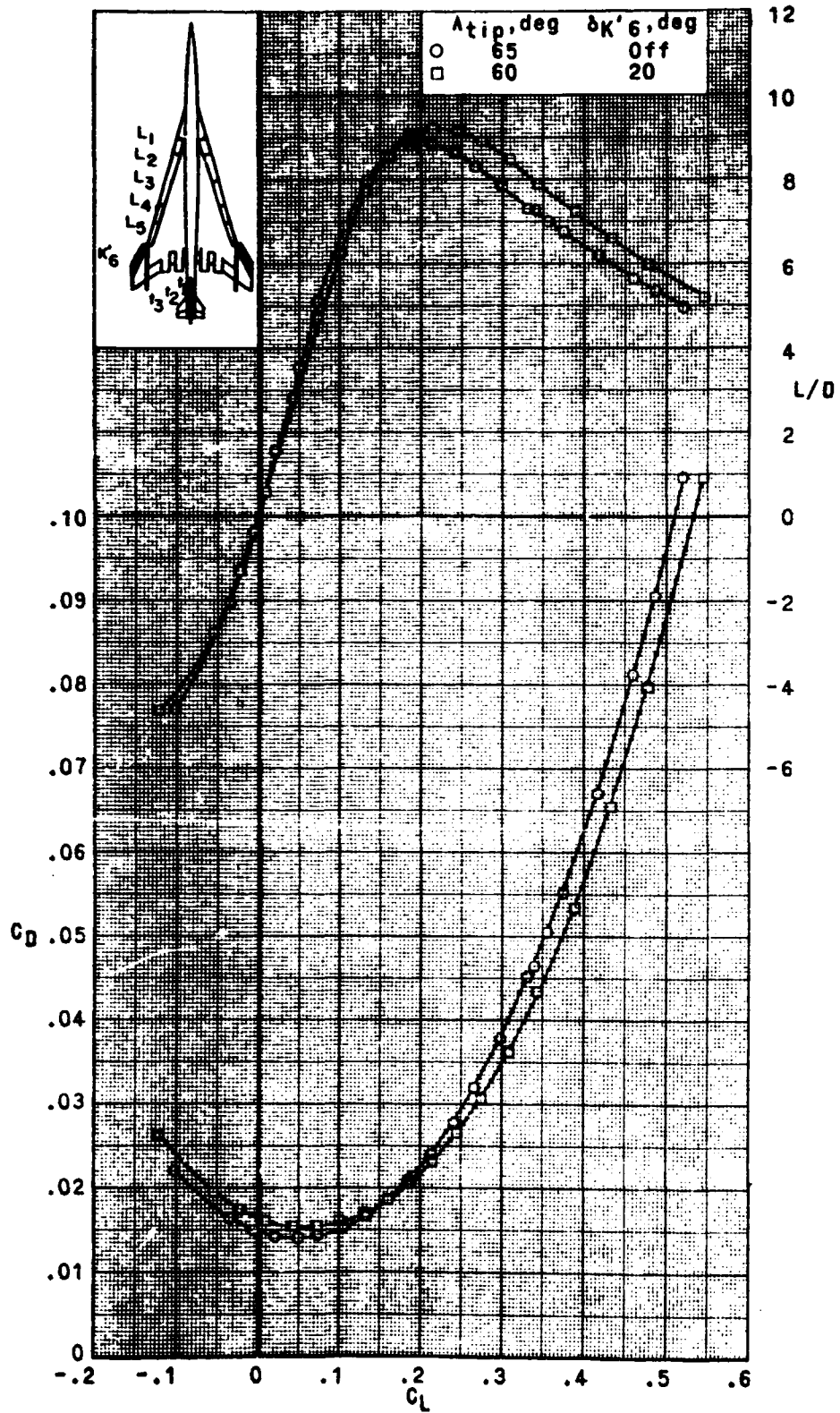




(c)  $M = 0.95$ .  
Figure 6.- Continued.

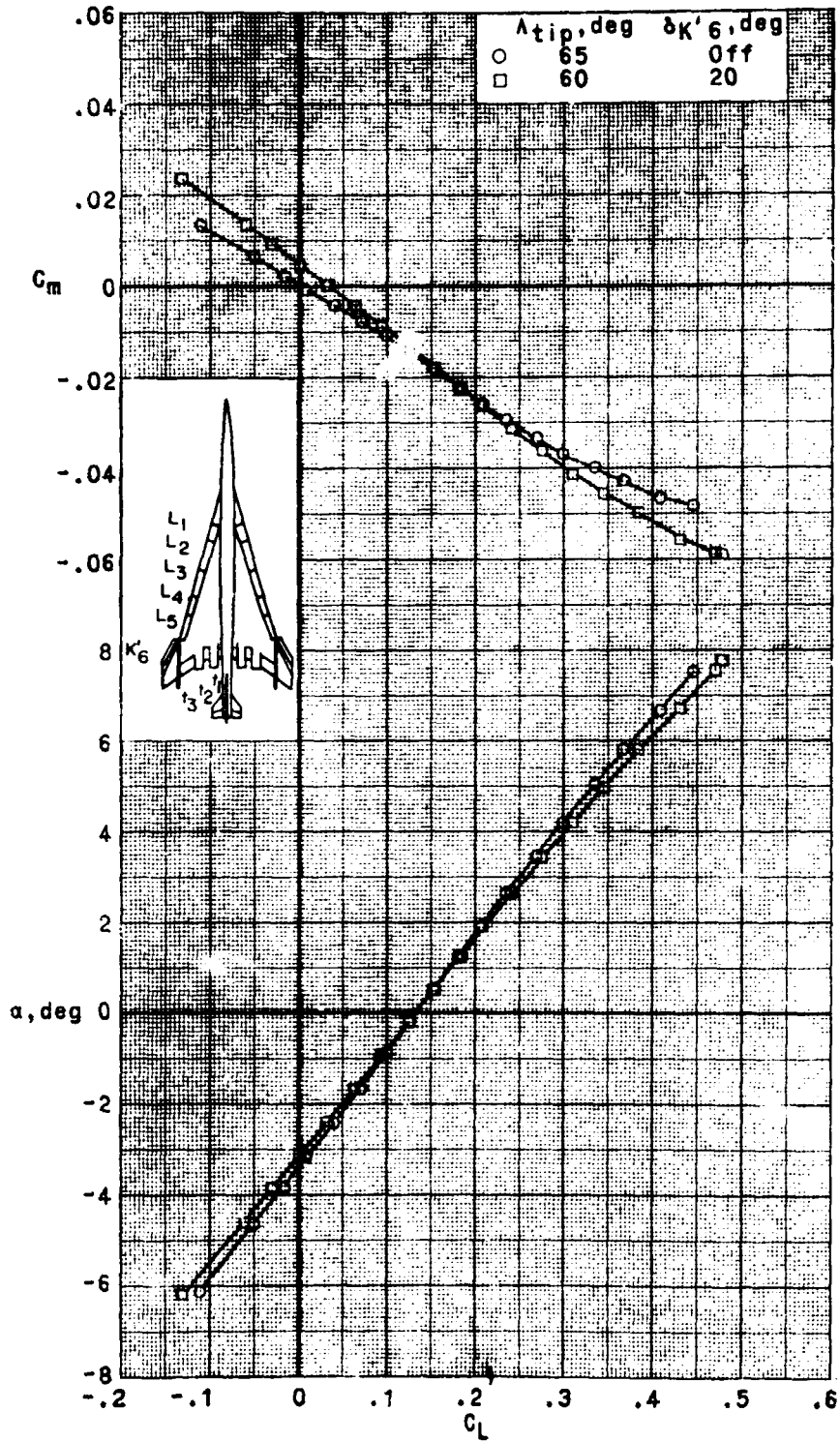
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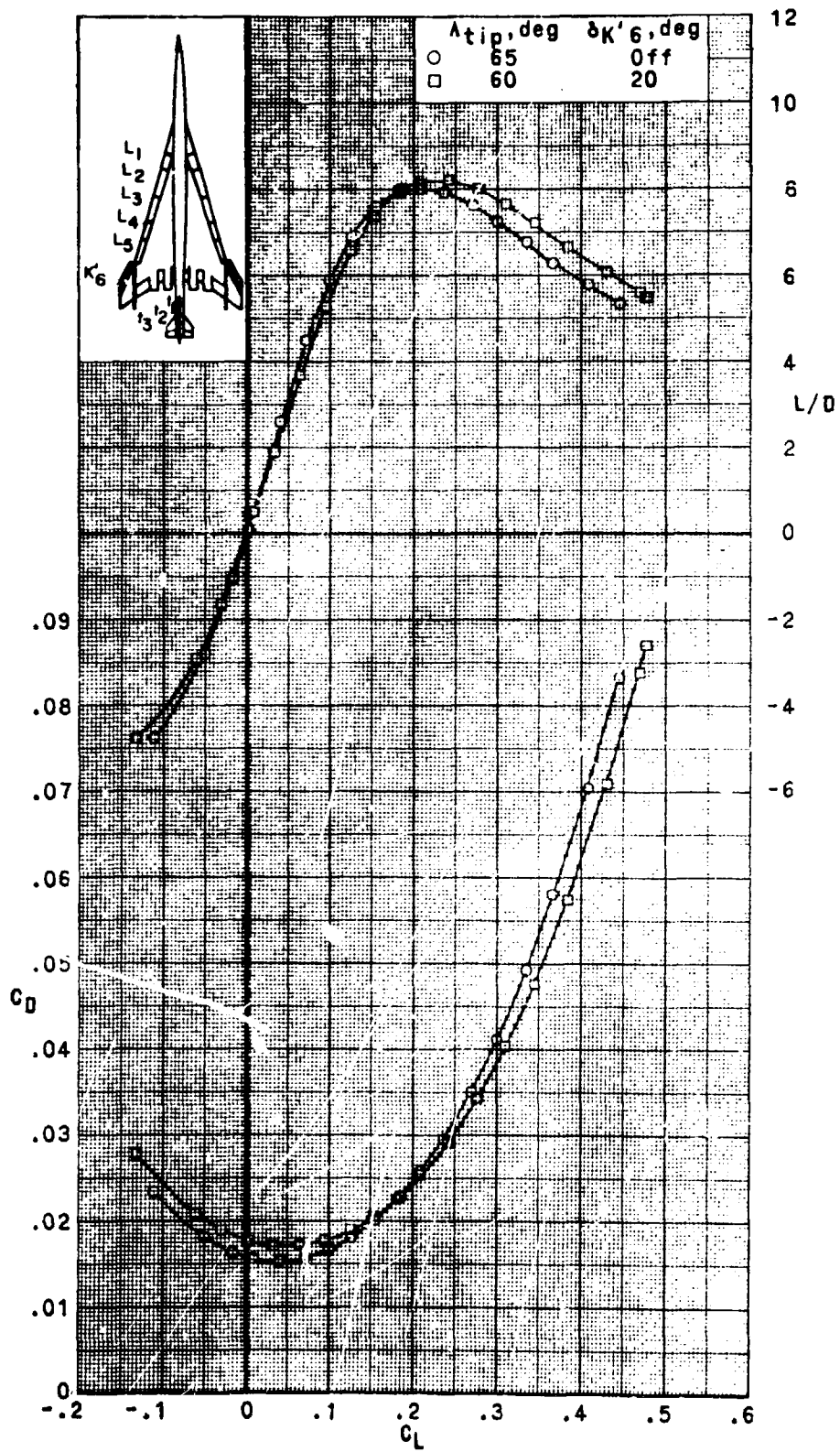
(c)  $M = 0.95$ . Concluded.

Figure 6.- Continued.



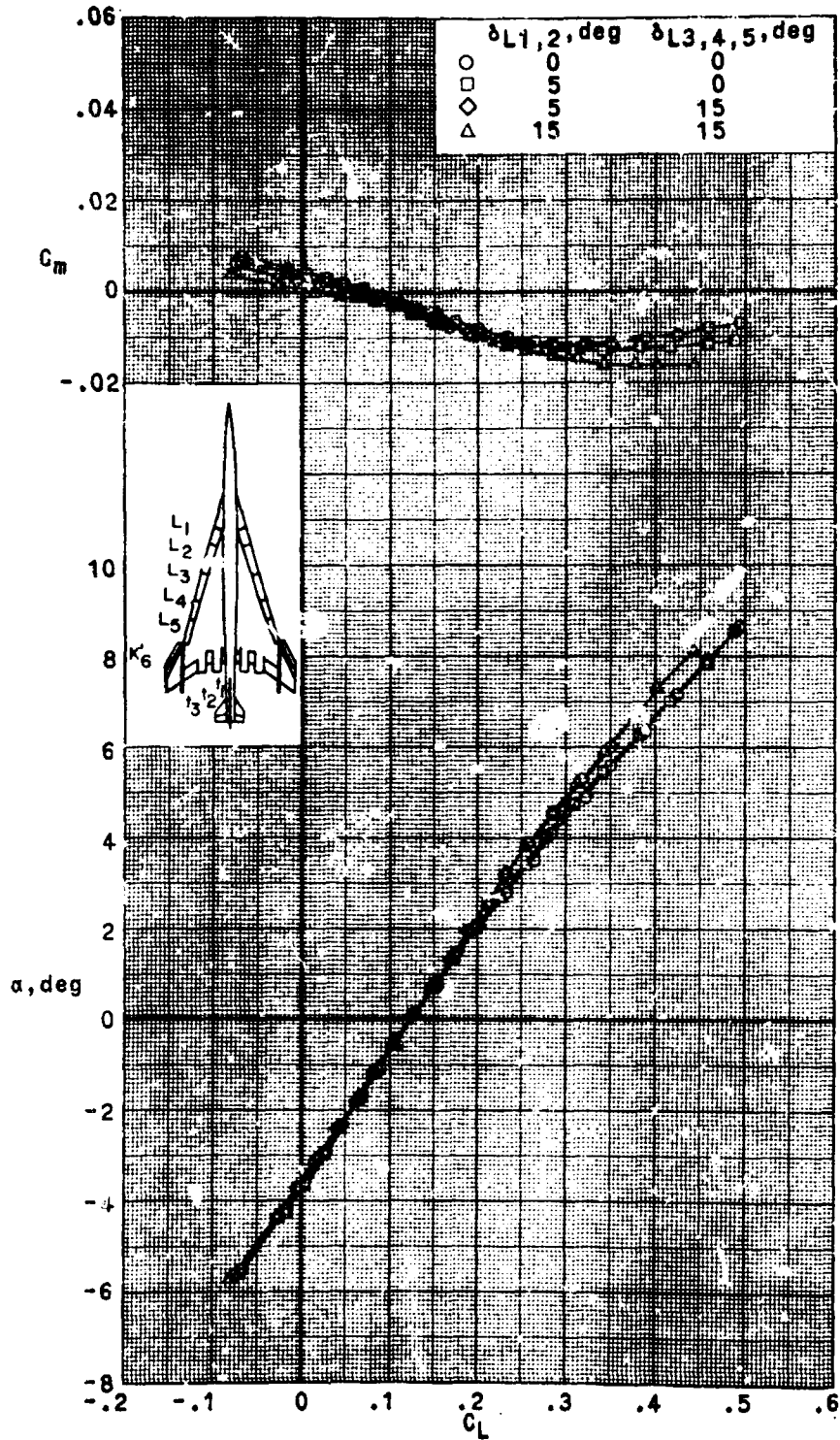
(d)  $M = 1.20$ .

Figure 6.- Continued.



(d)  $M = 1.20$ . Concluded.

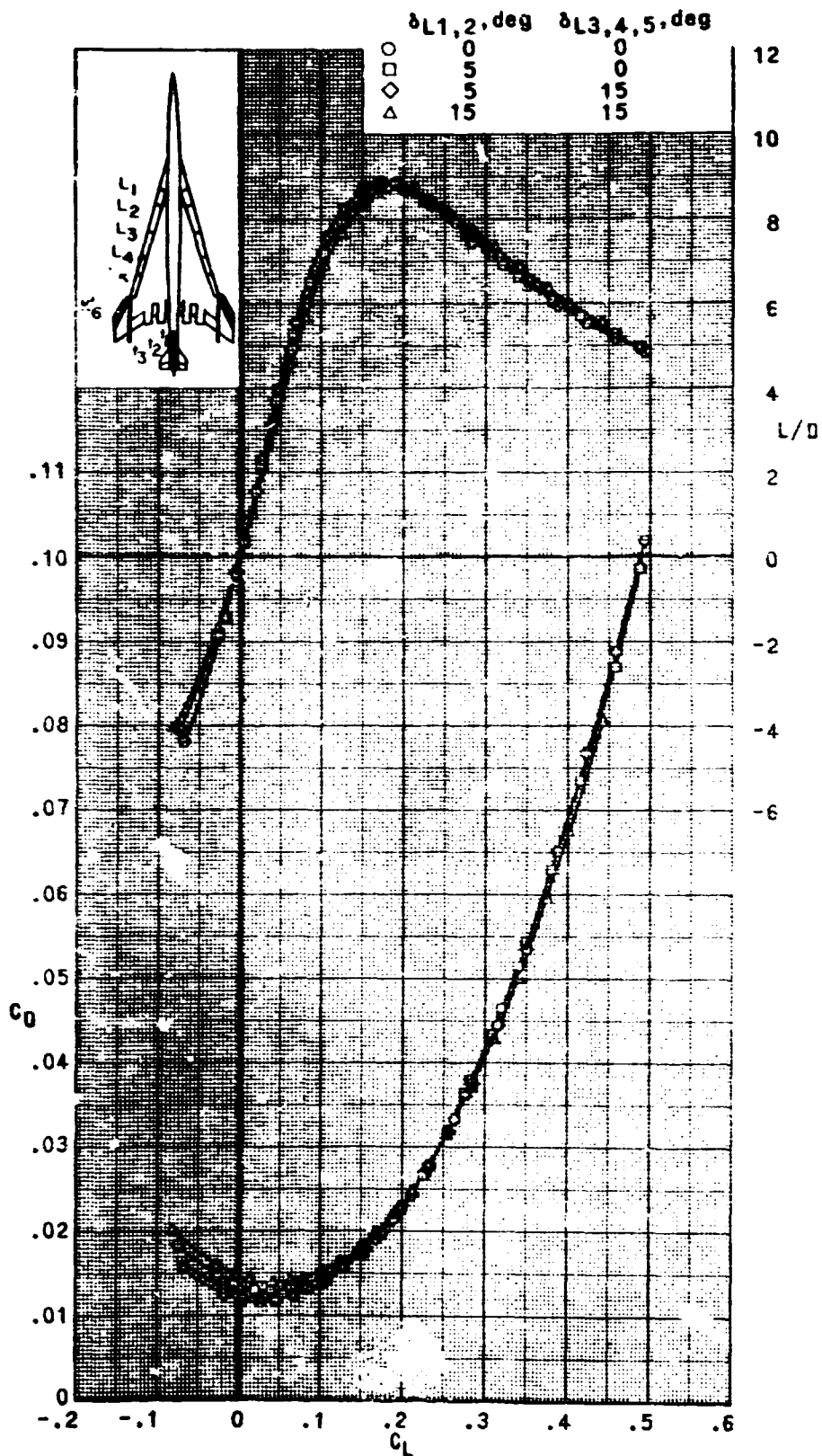
Figure 6.- Concluded.



(a)  $M = 0.60$ .

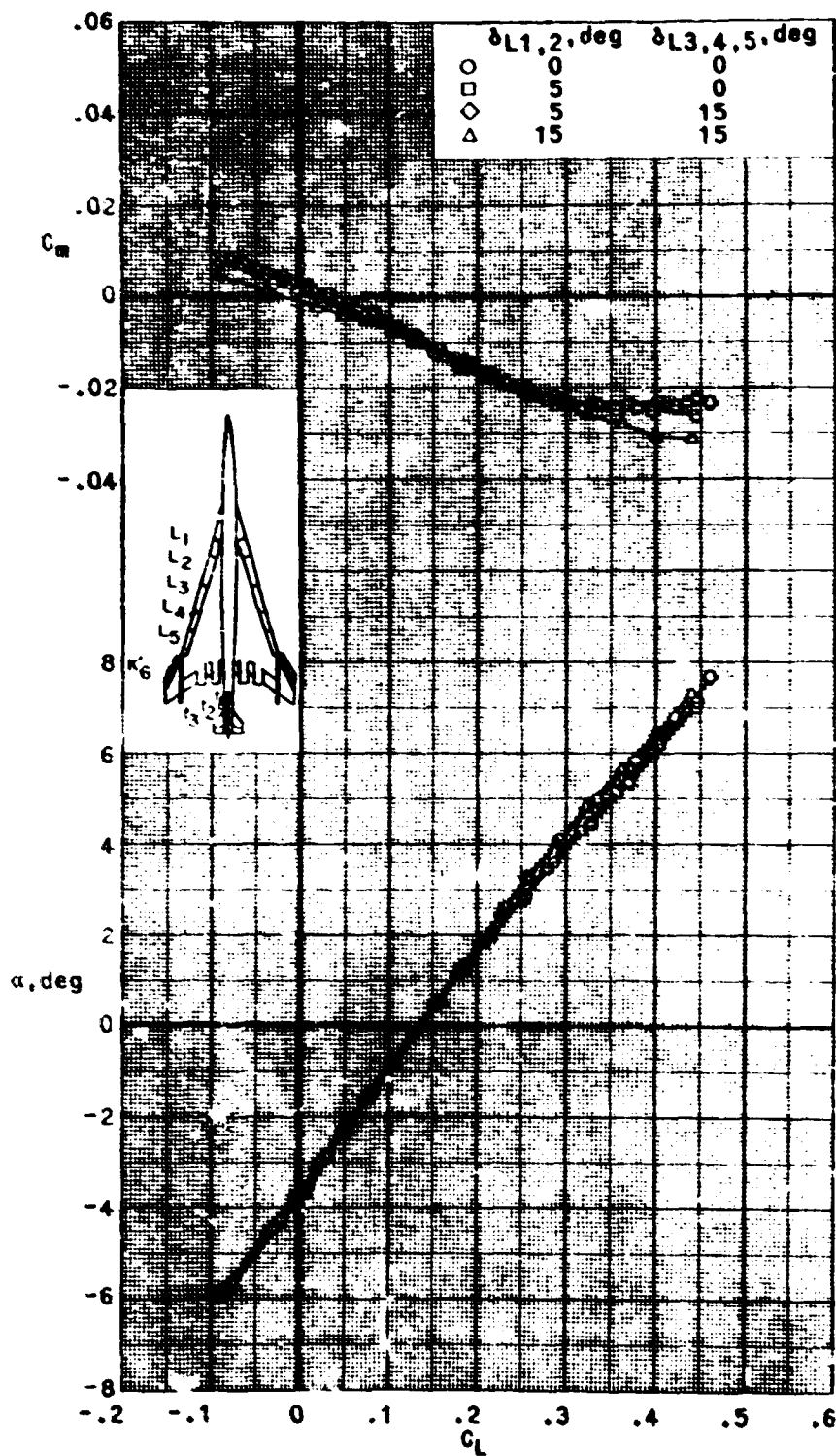
Figure 7. Effects of wing leading-edge-flap deflections on the longitudinal aerodynamic characteristics of B1W.  $r_{H1} V_1 V_2$ .

$\delta_{t1,2,3} = 50^\circ$ ;  $A_{tip} = 65^\circ$ ; Krüger flap off.



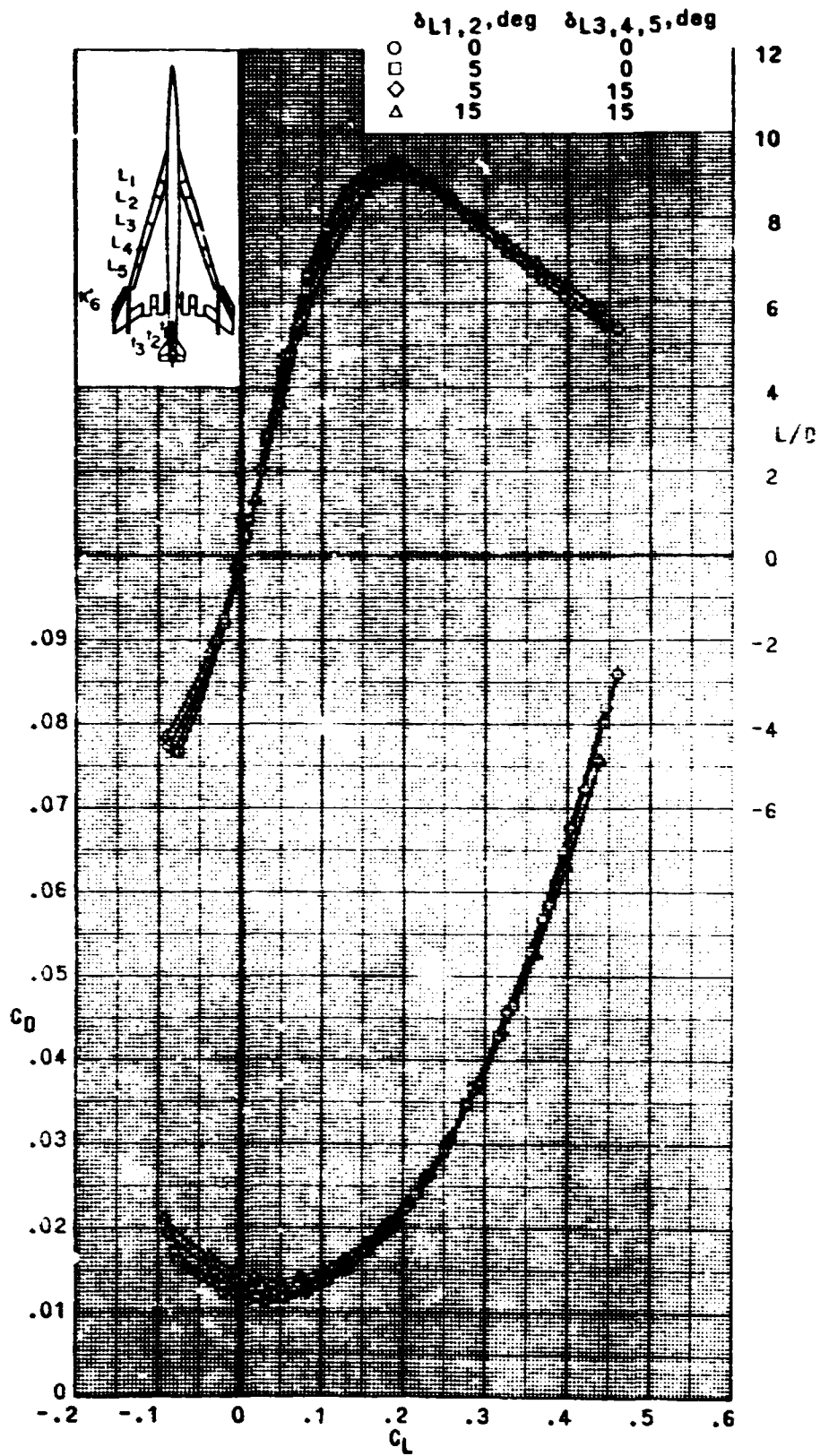
(a)  $M = 0.80$ . Concluded.

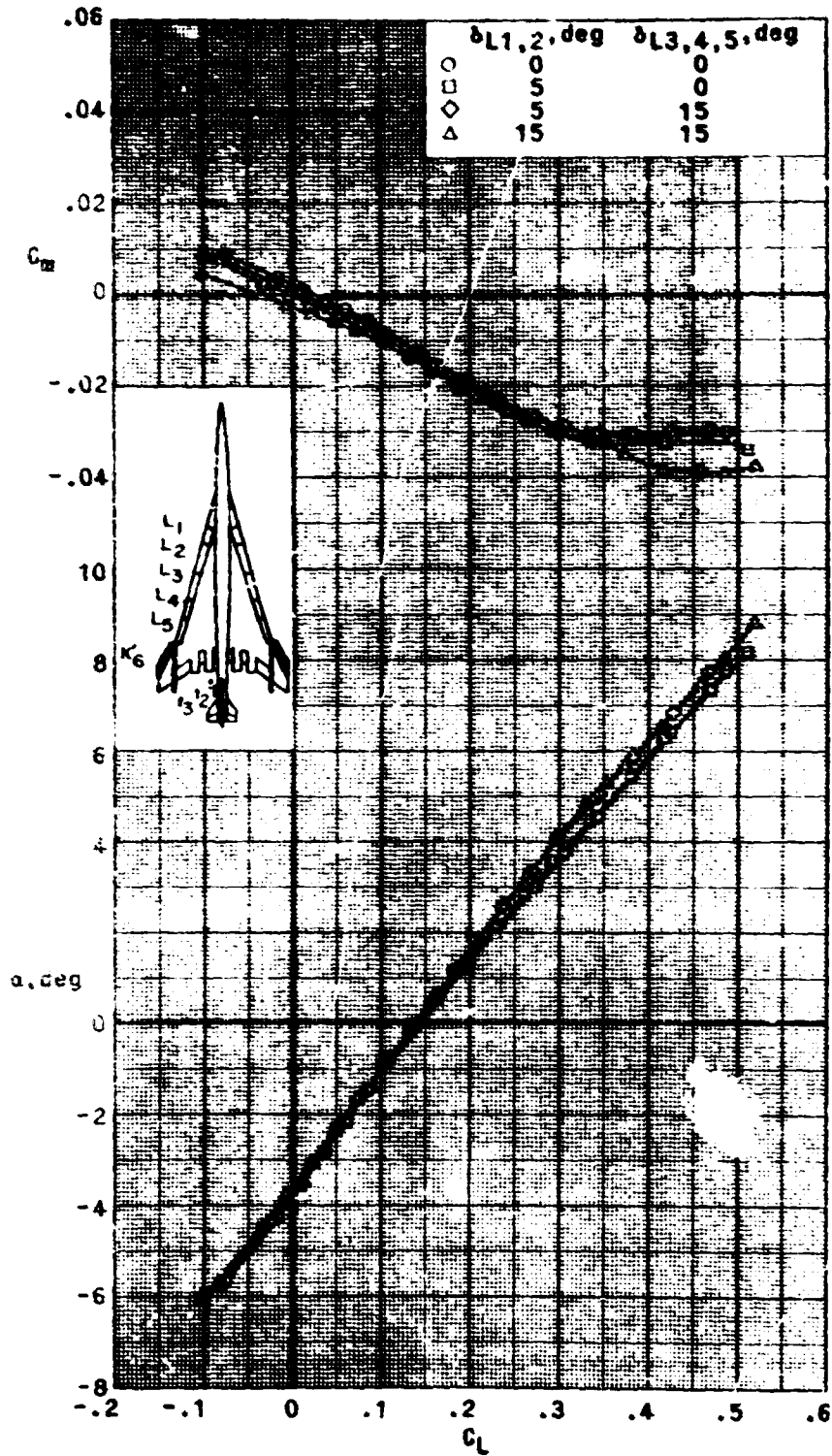
Figure 7.- Continued.



(b)  $M = 0.90$ .  
Figure 7.- Continued.

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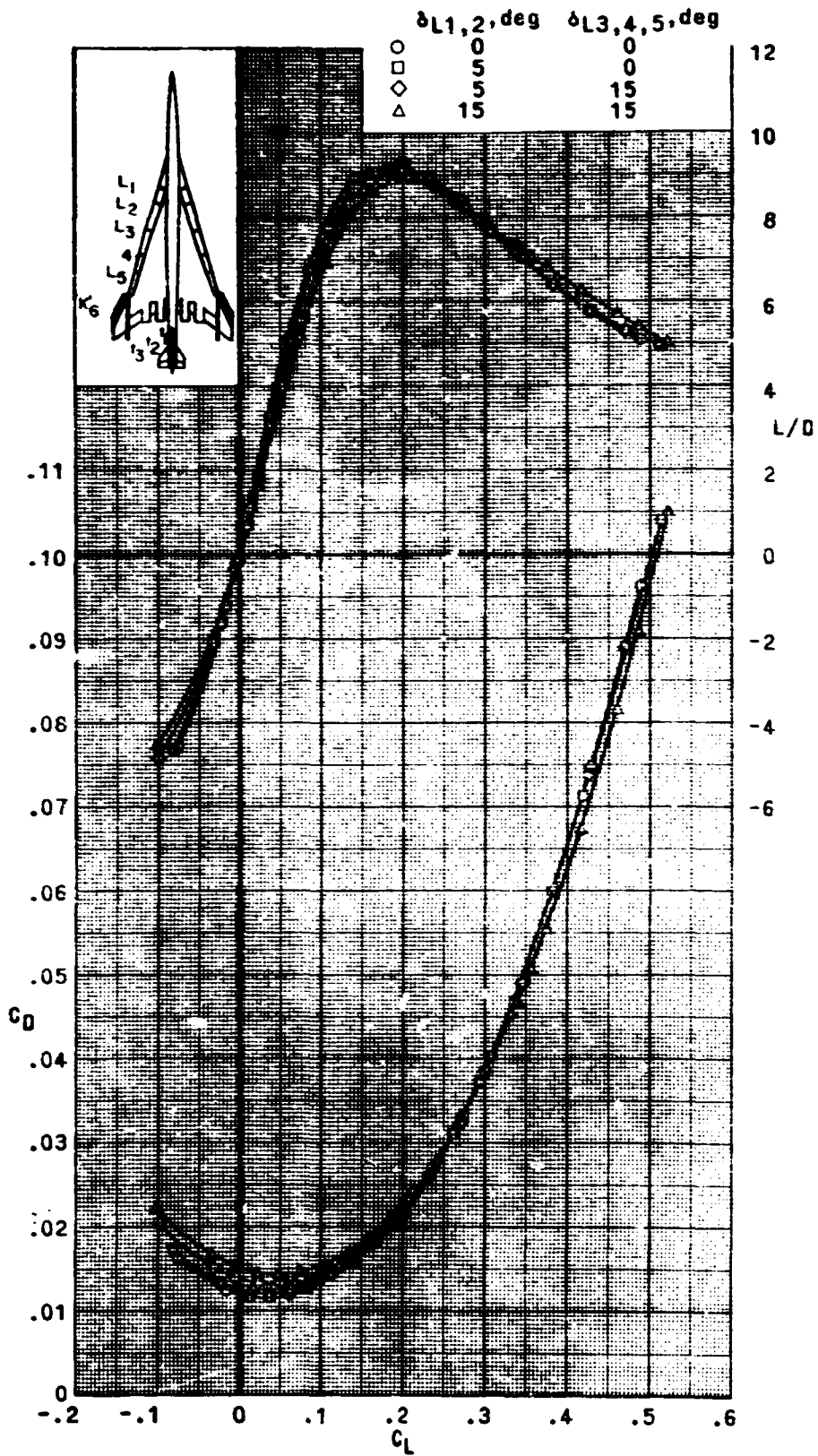




(c)  $M = 0.95$ .  
Figure 7.- Continued.

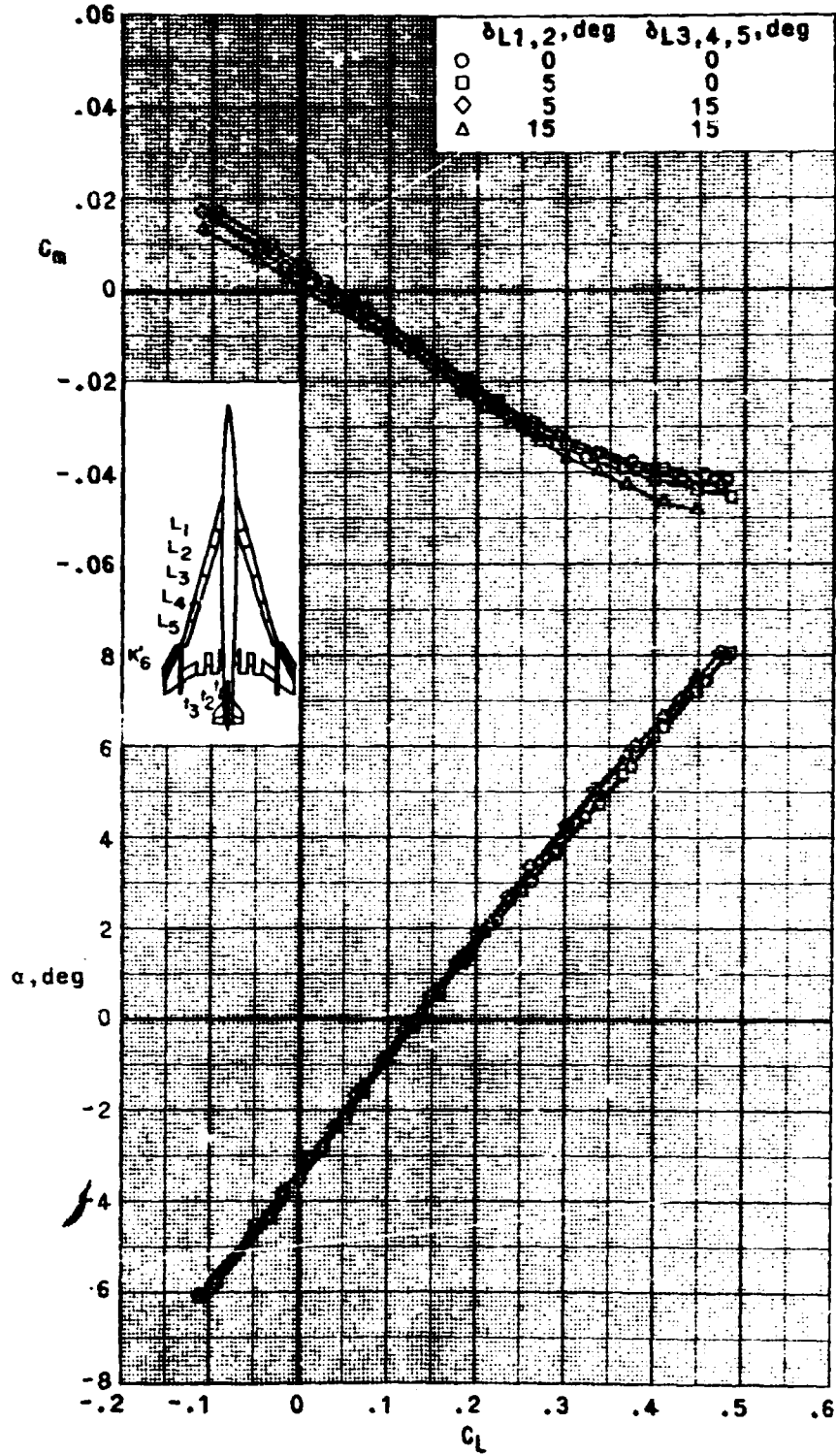
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(c)  $M = 0.95$ . Concluded.

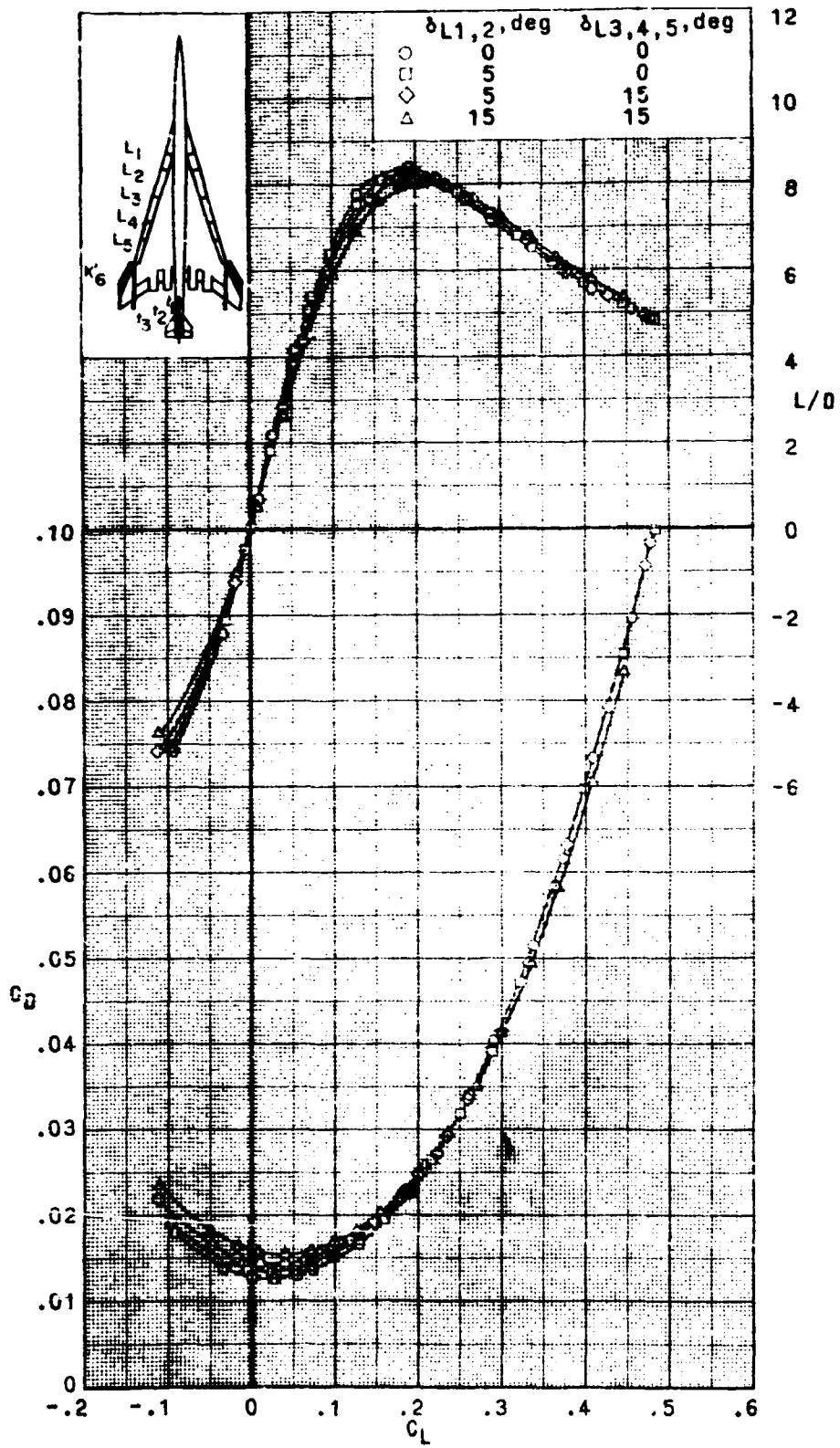
Figure 7.- Continued.



(d)  $M = 1.20$ .

Figure 7.- Continued.

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(d) M - 1.20 - Concluded

Figure 7 - Concluded

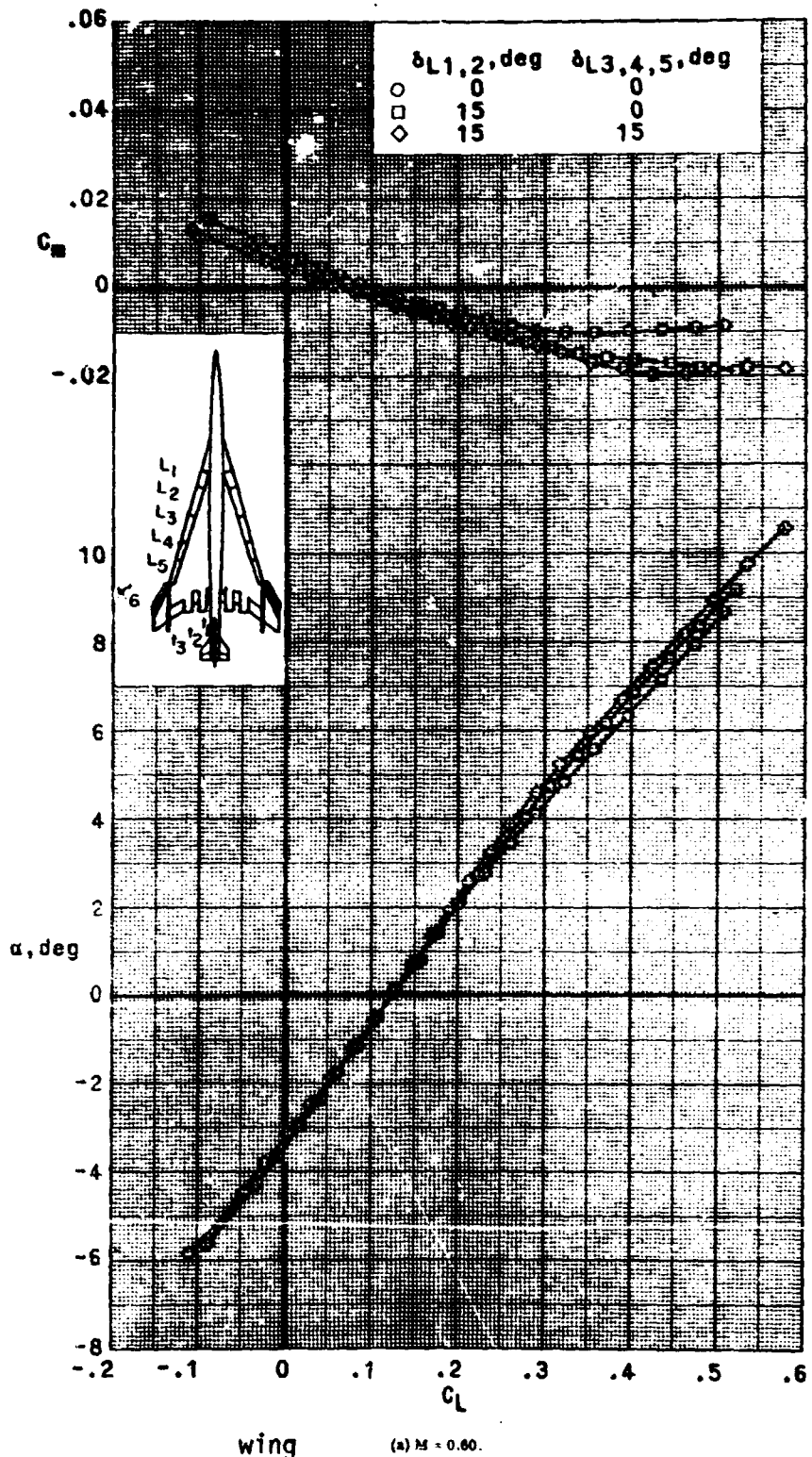
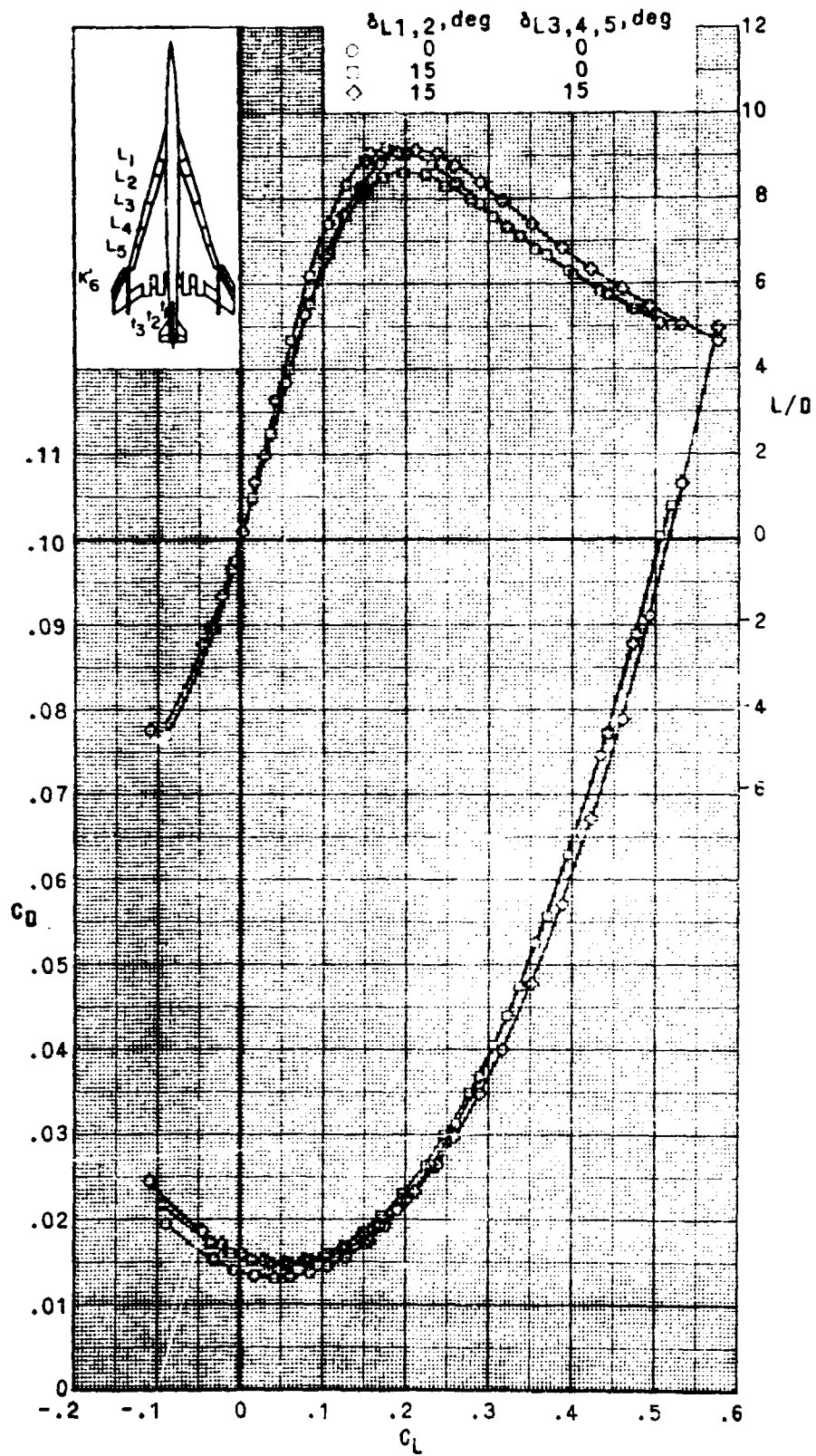
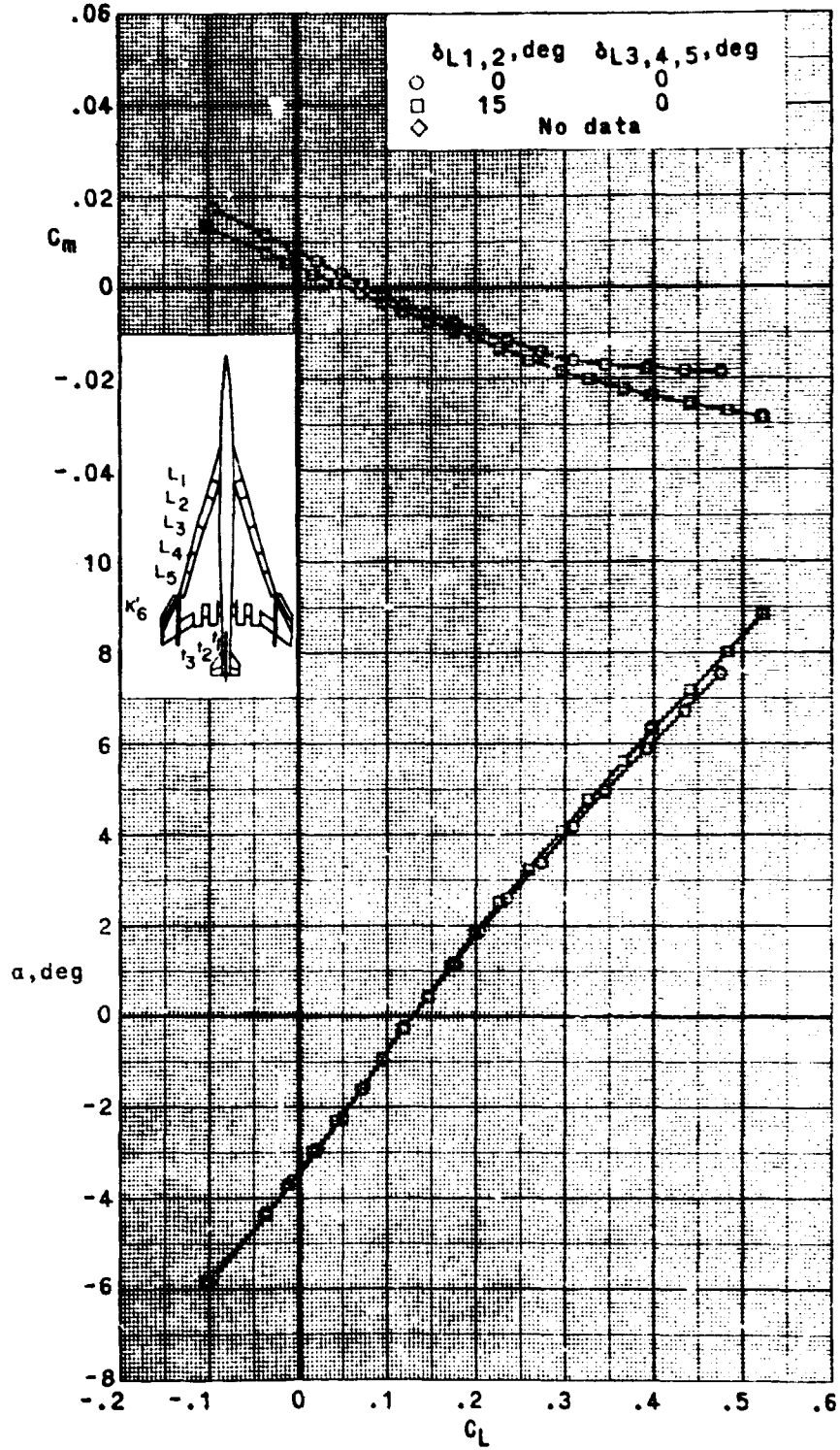


Figure 8.- Effects of leading-edge flap deflections on the longitudinal aerodynamic characteristics of B<sub>1</sub>W<sub>1</sub>E<sub>2</sub>H<sub>1</sub>V<sub>1</sub>V<sub>2</sub>.  $\delta_{L1,2,3} = 5^\circ$ ;  $A_{tip} = 60^\circ$ ;  $\delta_{K^6} = 20^\circ$ .

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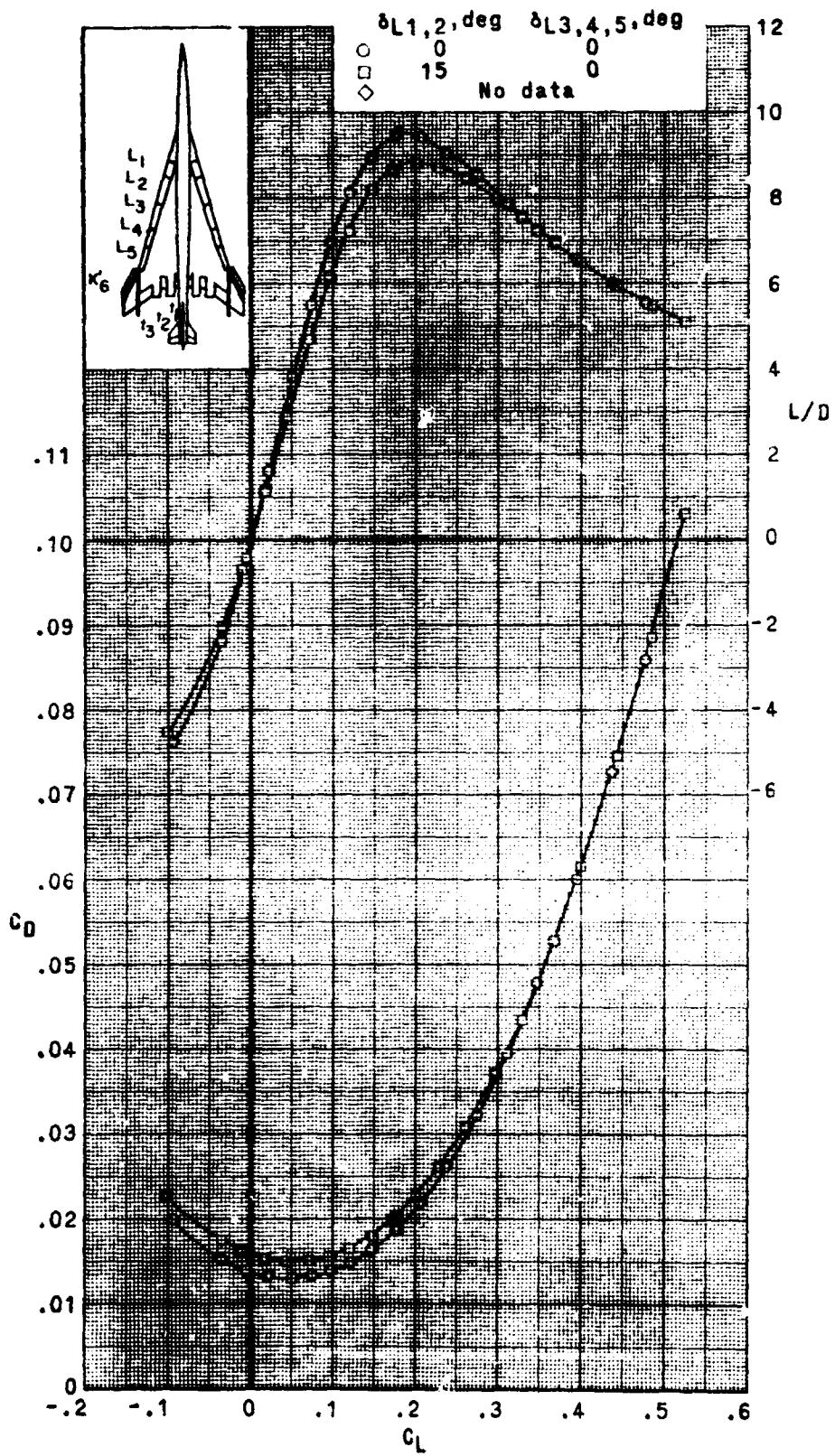
(a)  $M = 0.60$  Continued.  
 Figure 8.- Continued.



(b)  $M = 0.80$ .

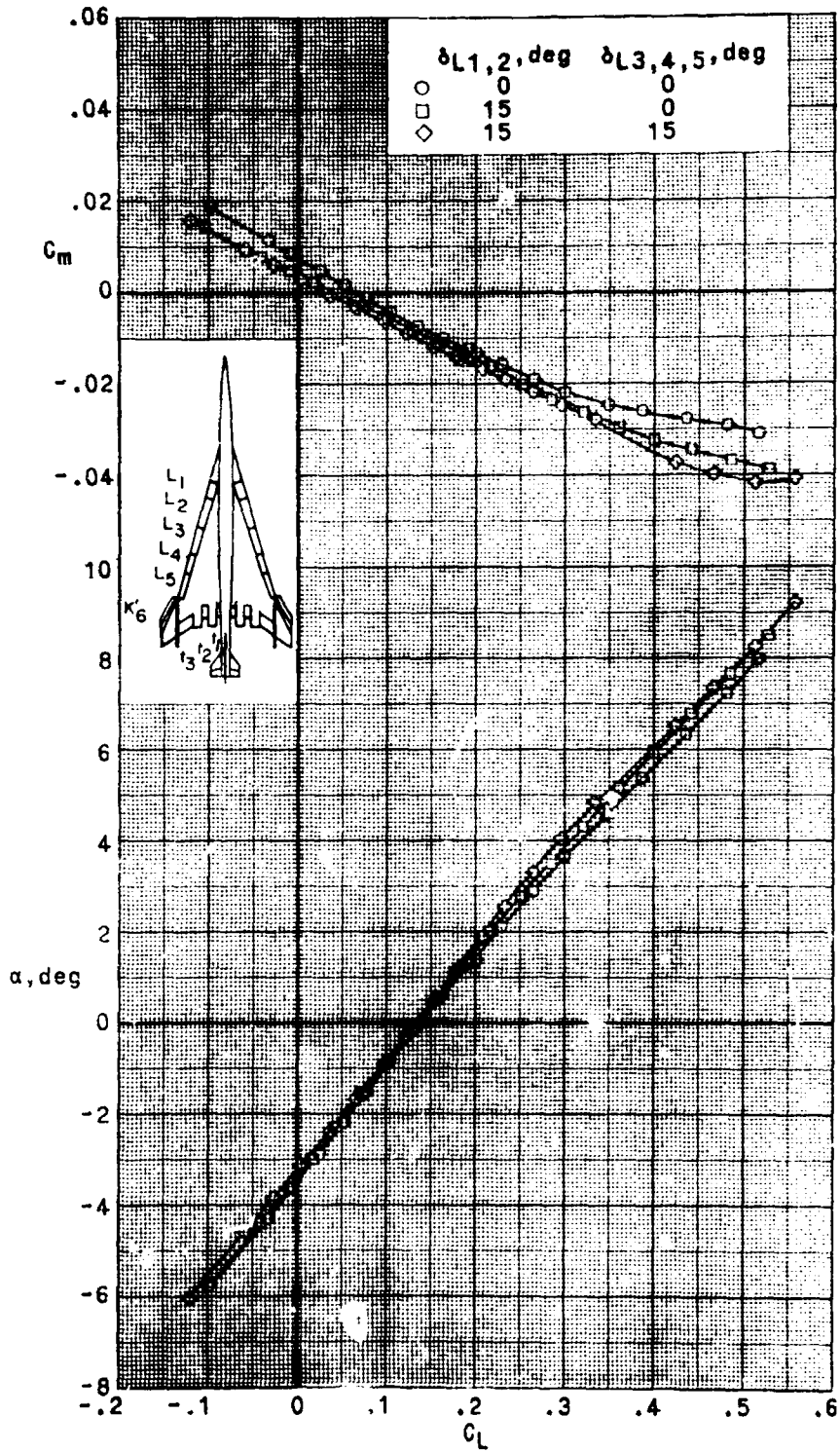
Figure 8.- Contin ed.

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(b)  $M = 0.80$ . Concluded.

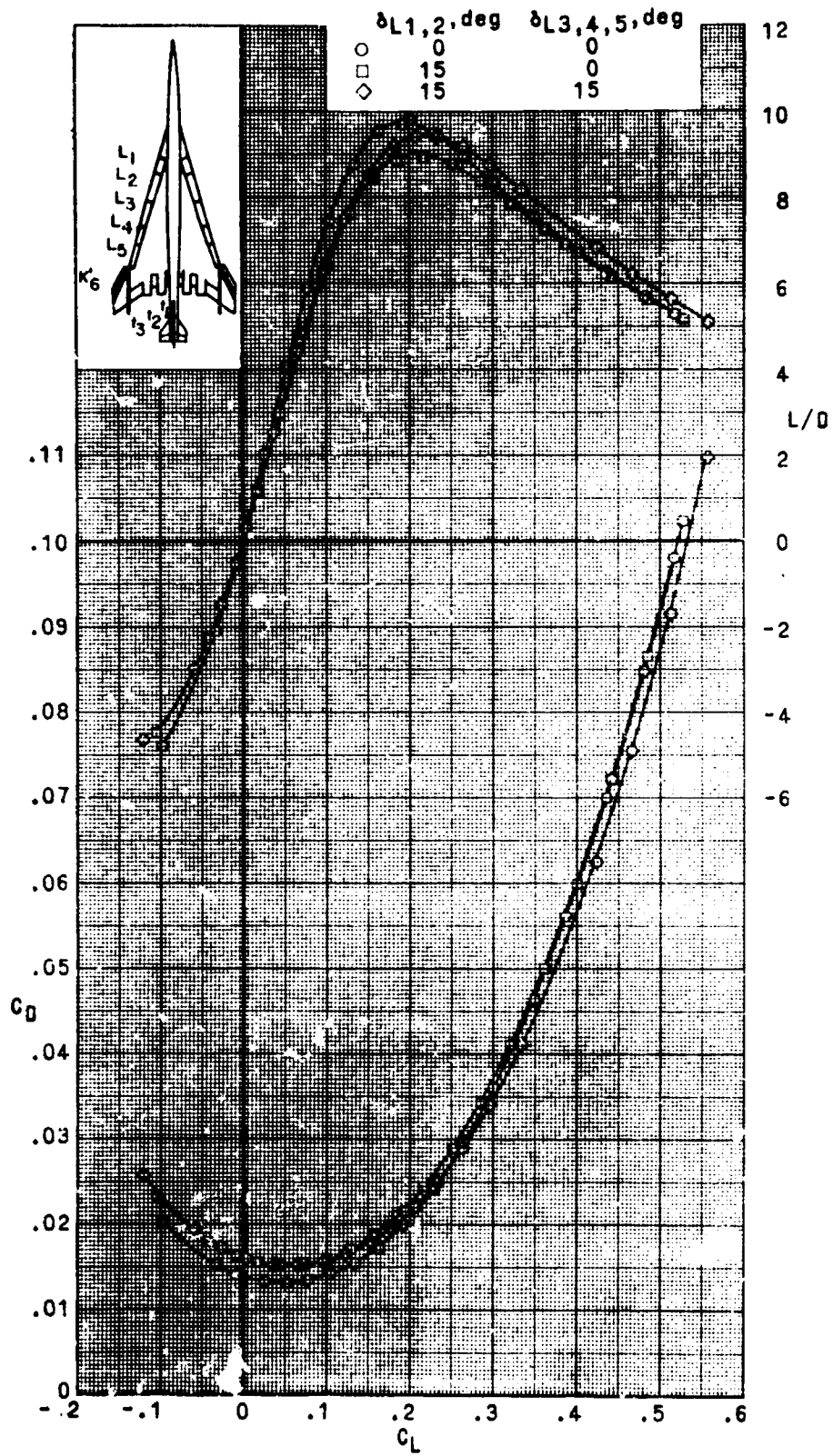
Figure 8 - Continued.



(c)  $M = 0.90$ .  
 Figure 8.- Continued.

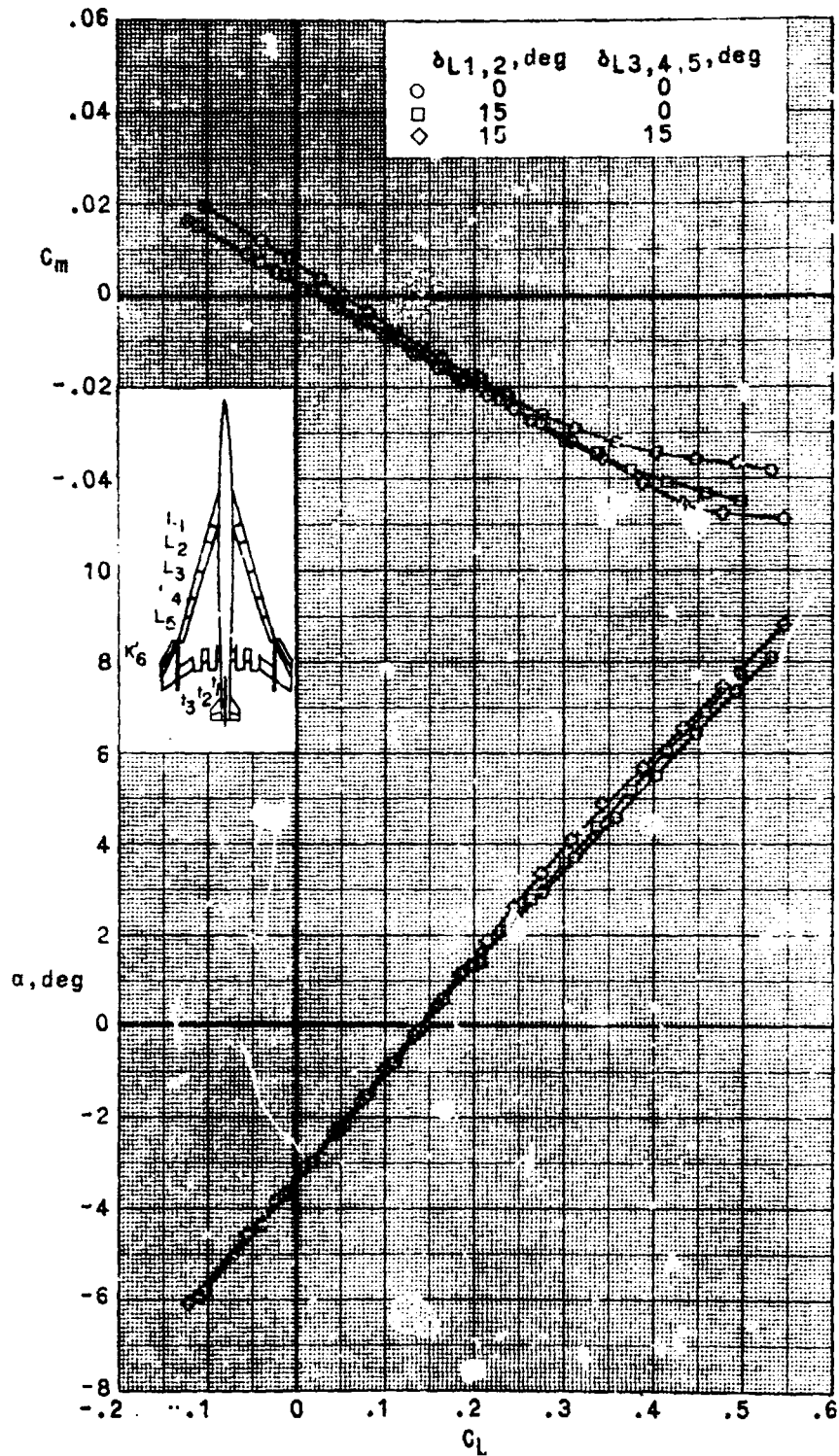
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(c)  $M = 0.90$ . Concluded.

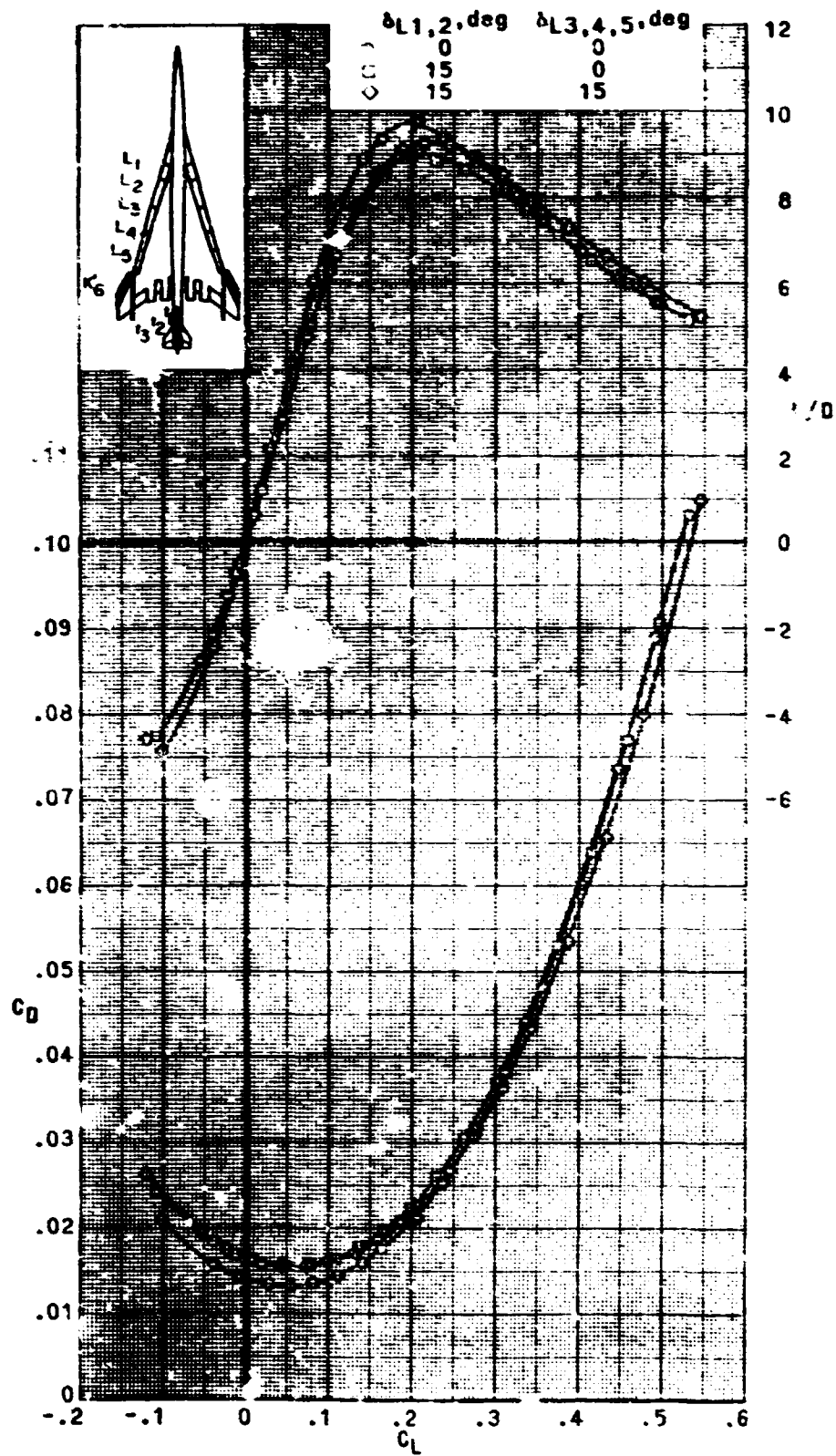
Figure 8 - Continued.



(d)  $M = 0.95$

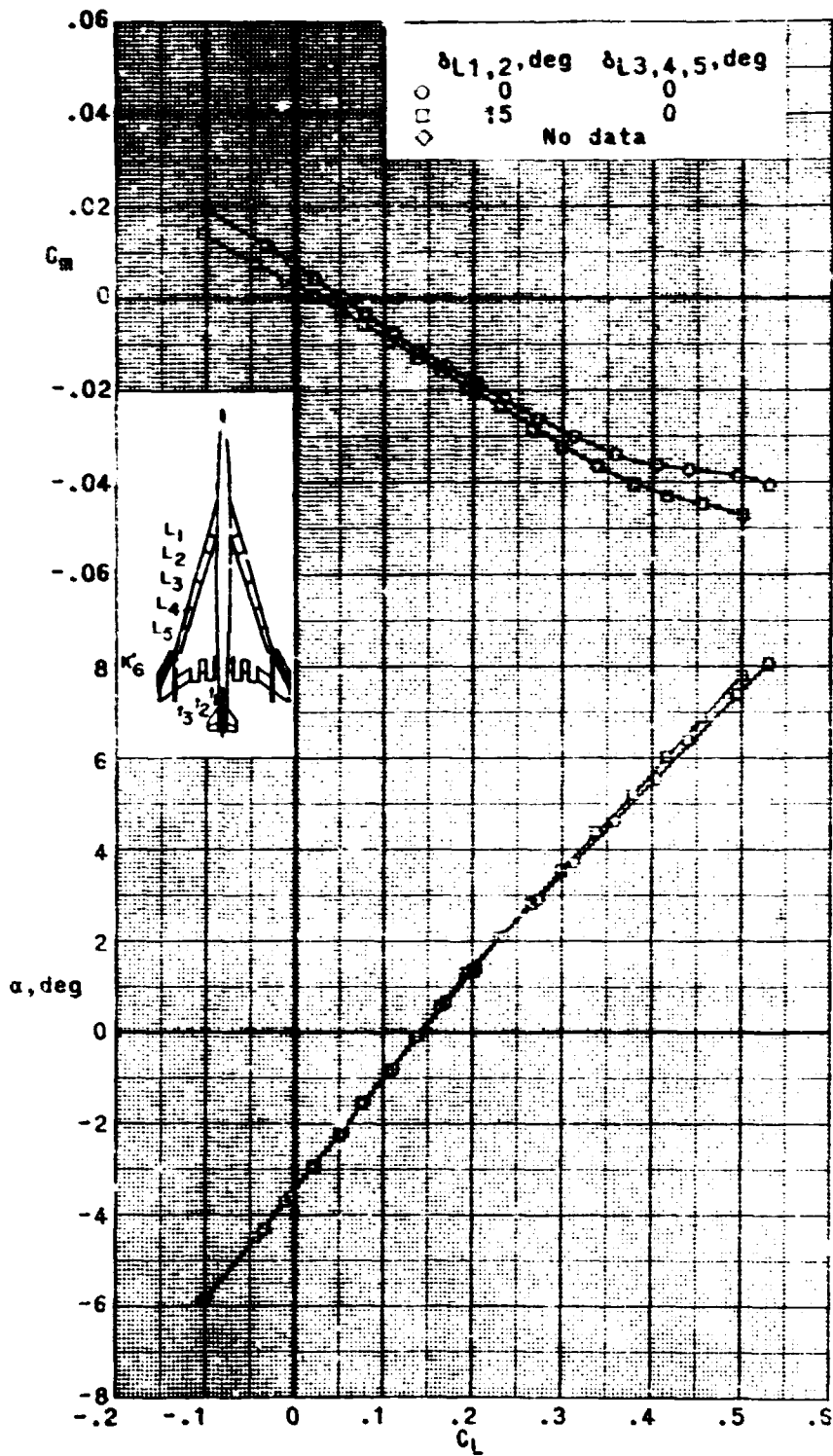
Figure 8.- Continued.

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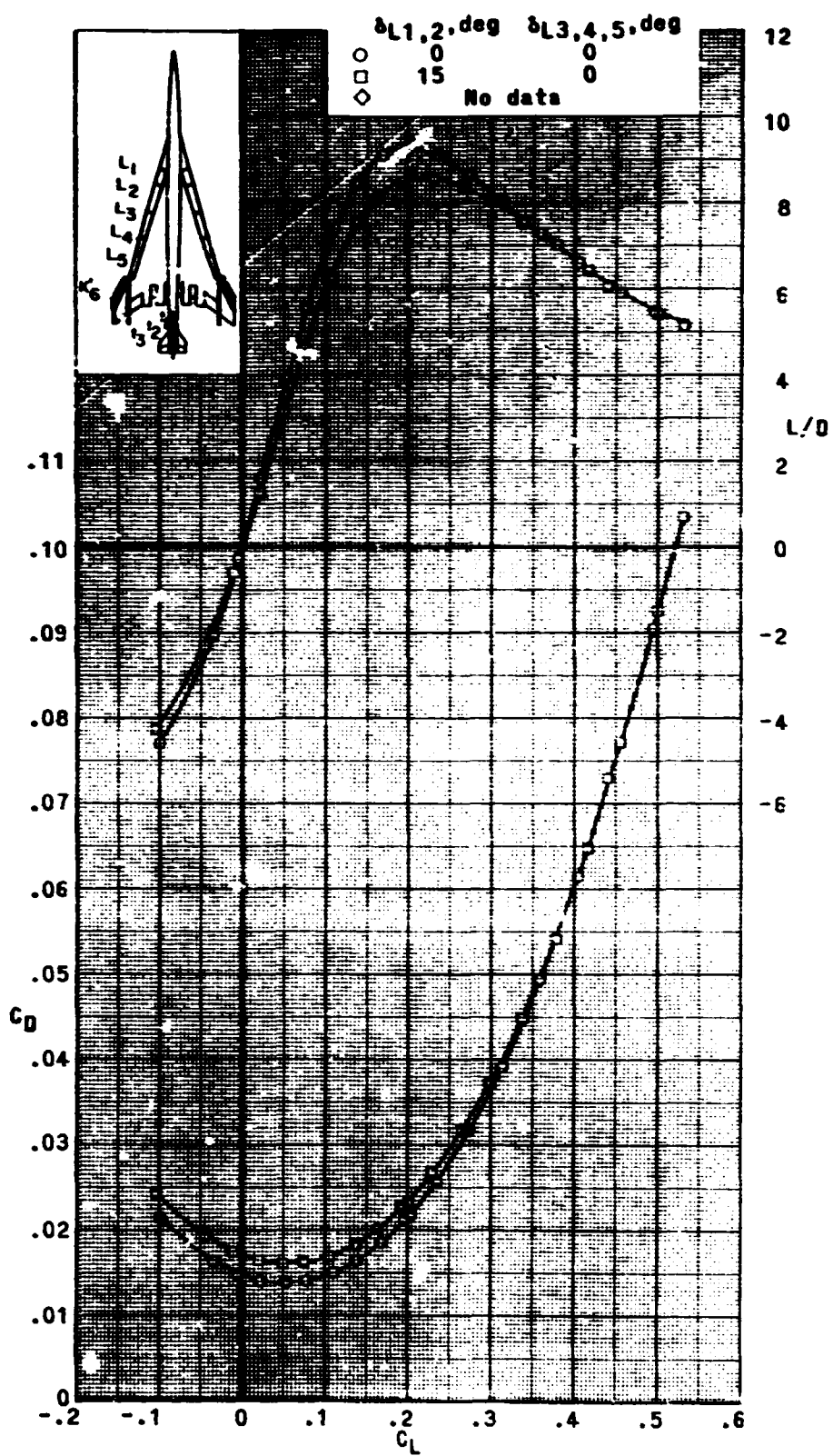
(d)  $M = 0.95$ . Concluded.

Figure 8. Continued



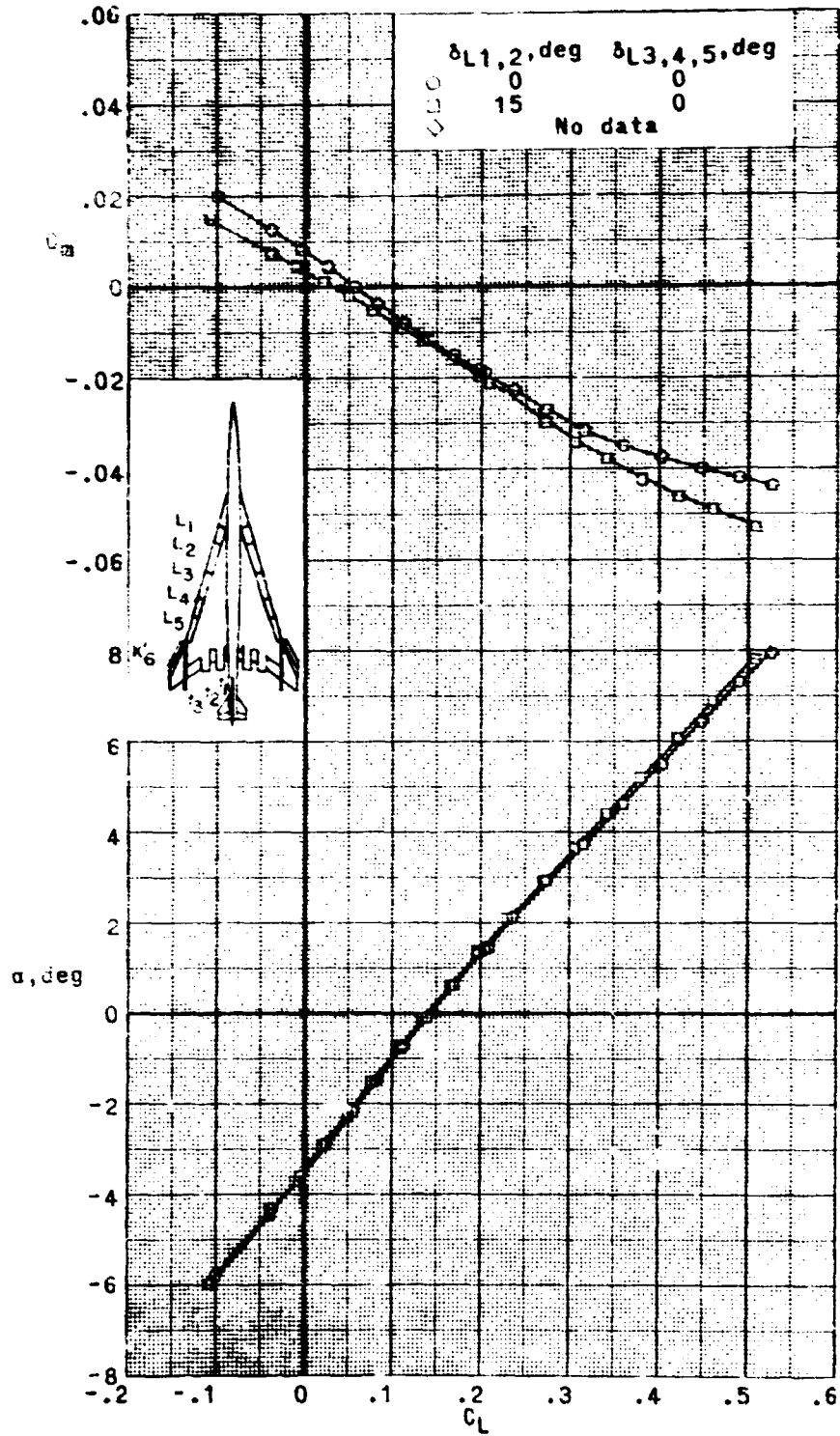
(C) M - 0.975  
 Figure 8 - Continued.

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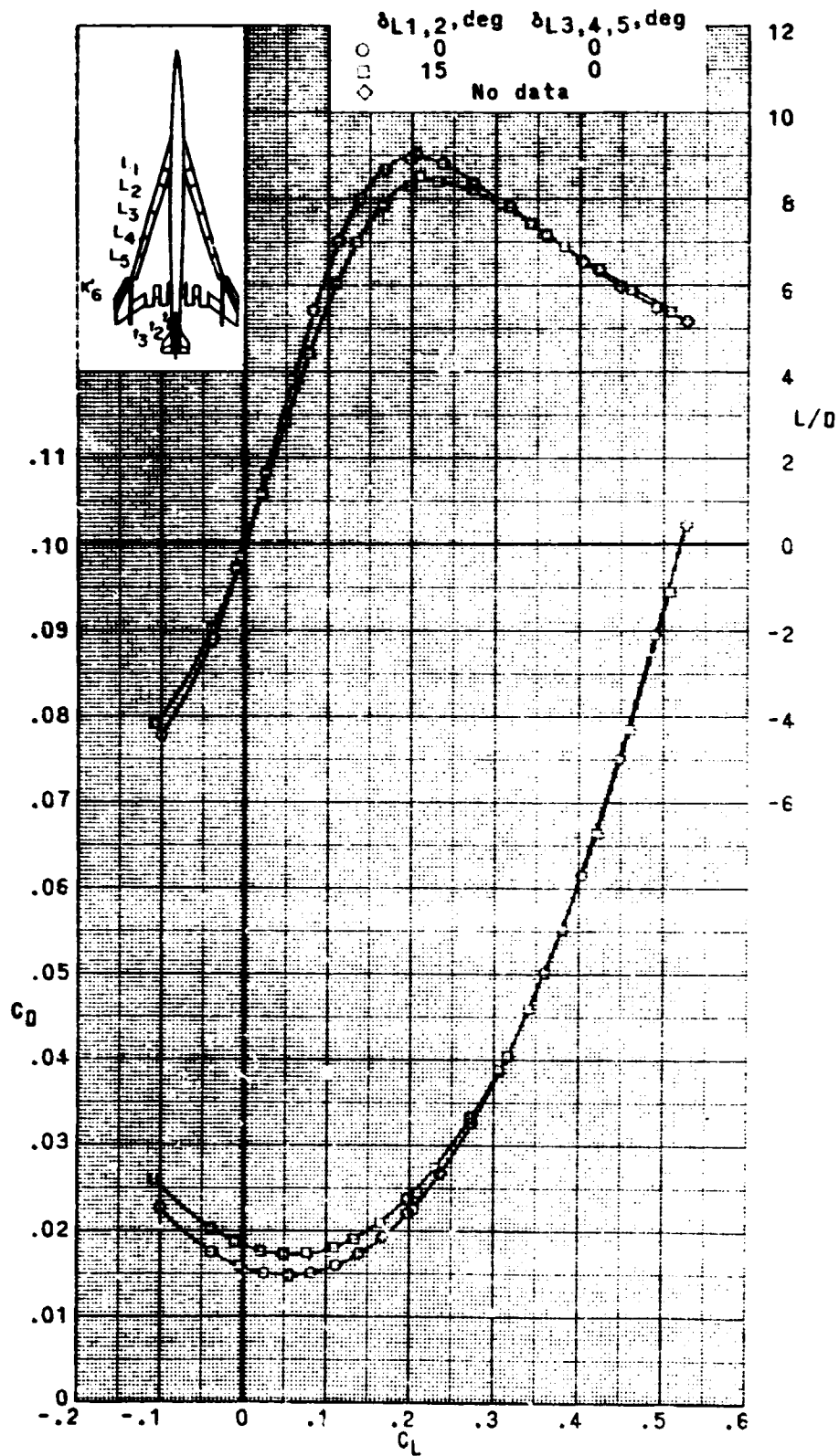


(e)  $M = 0.975$  Concluded.

Figure 8.- Continued

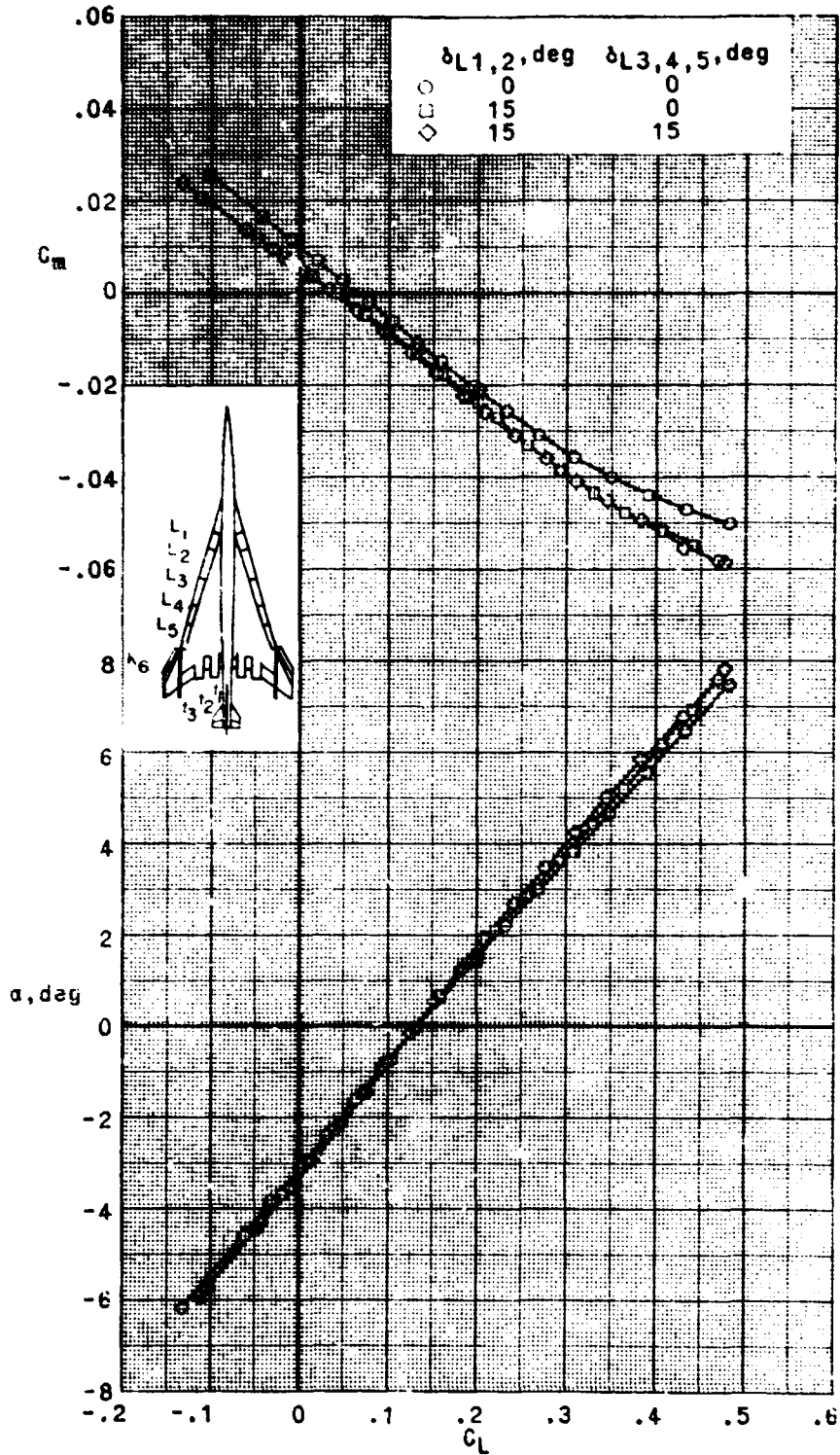


(i) M = 1.60.  
 Figure 8.- Continued.



(f)  $M = 1.00$ . Concluded.

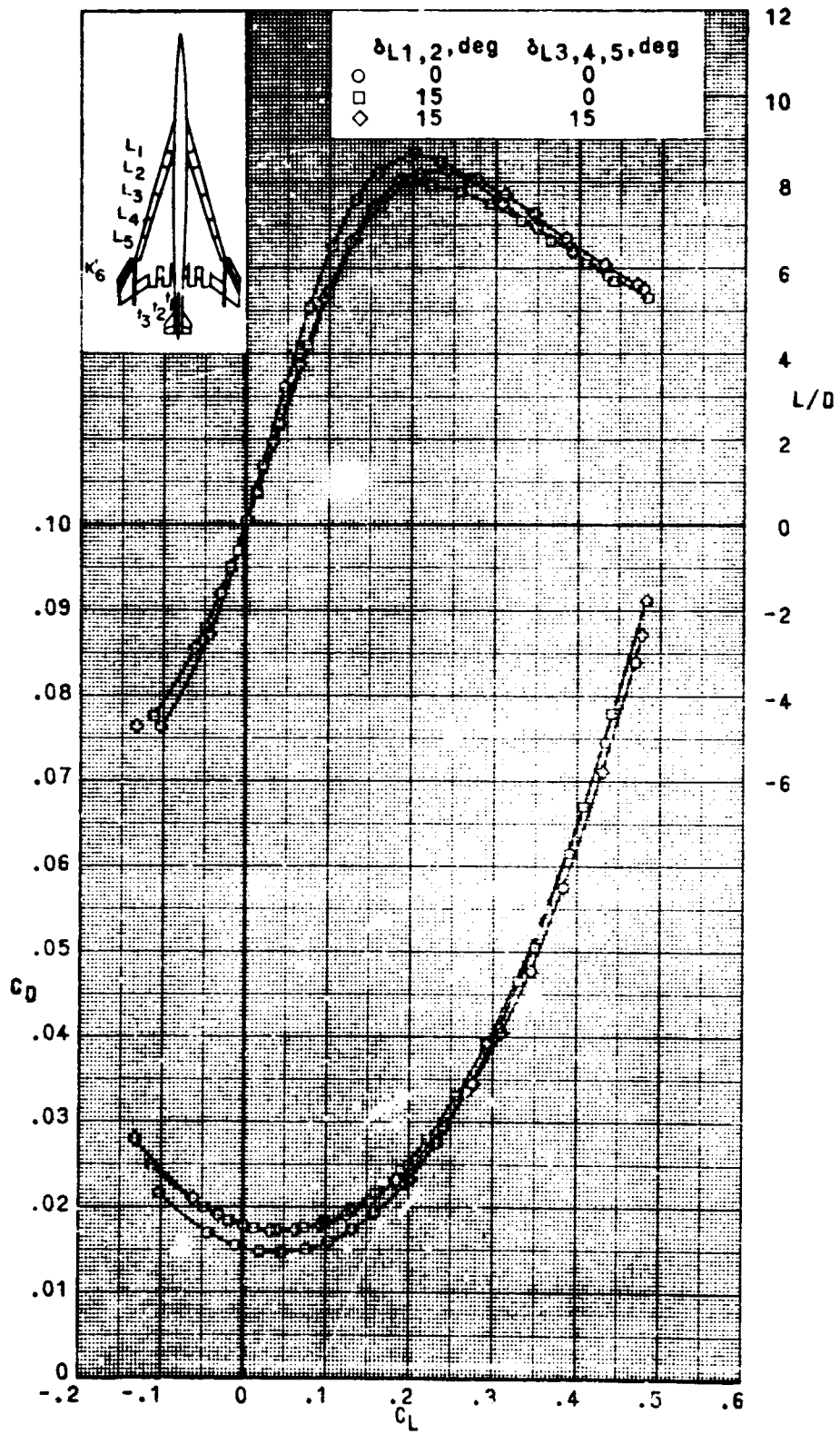
Figure 8.- Continued



(g) M 1.20  
Figure 8.- Continued.

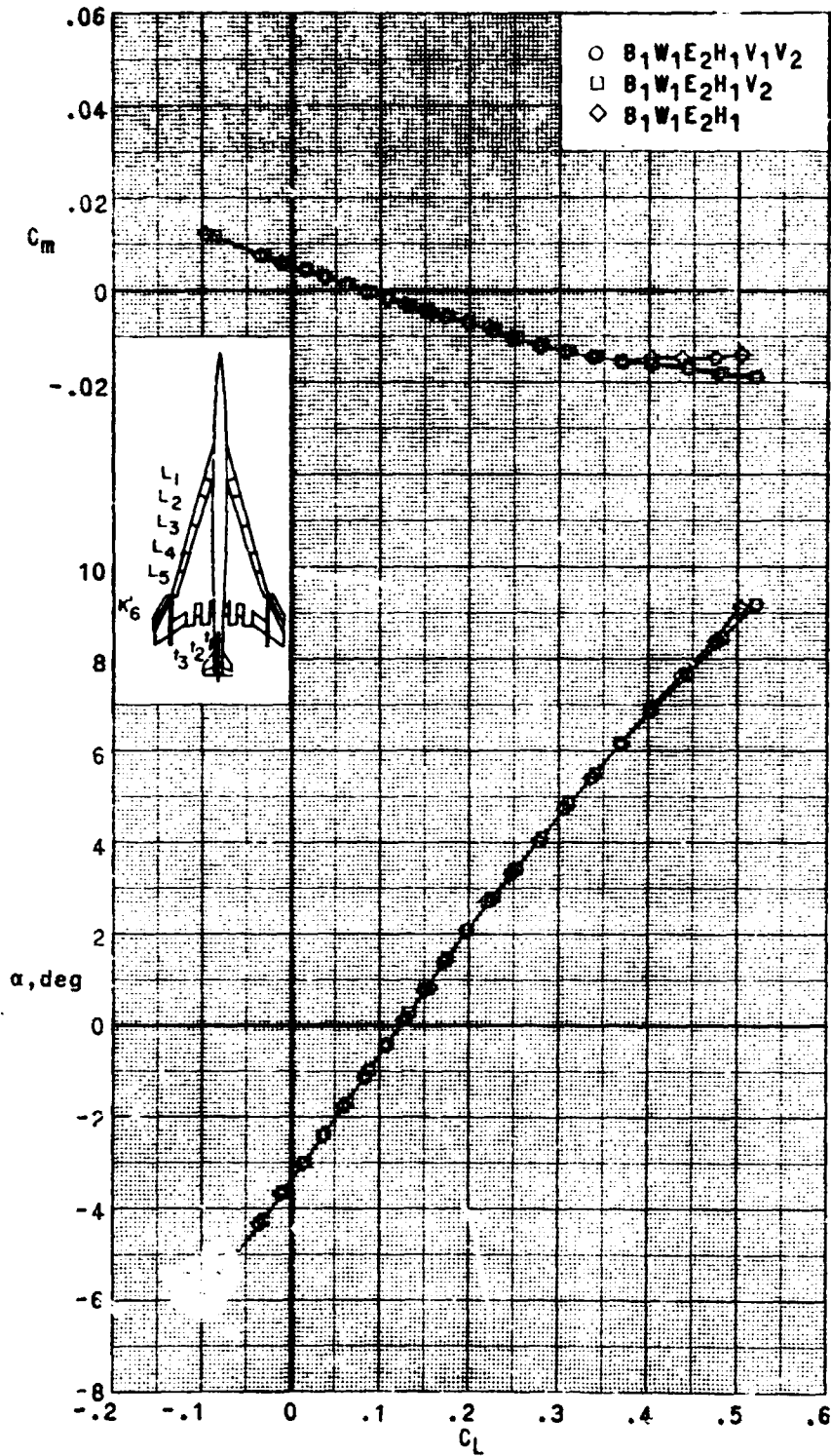
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(g)  $M = 1.20$ . Concluded.

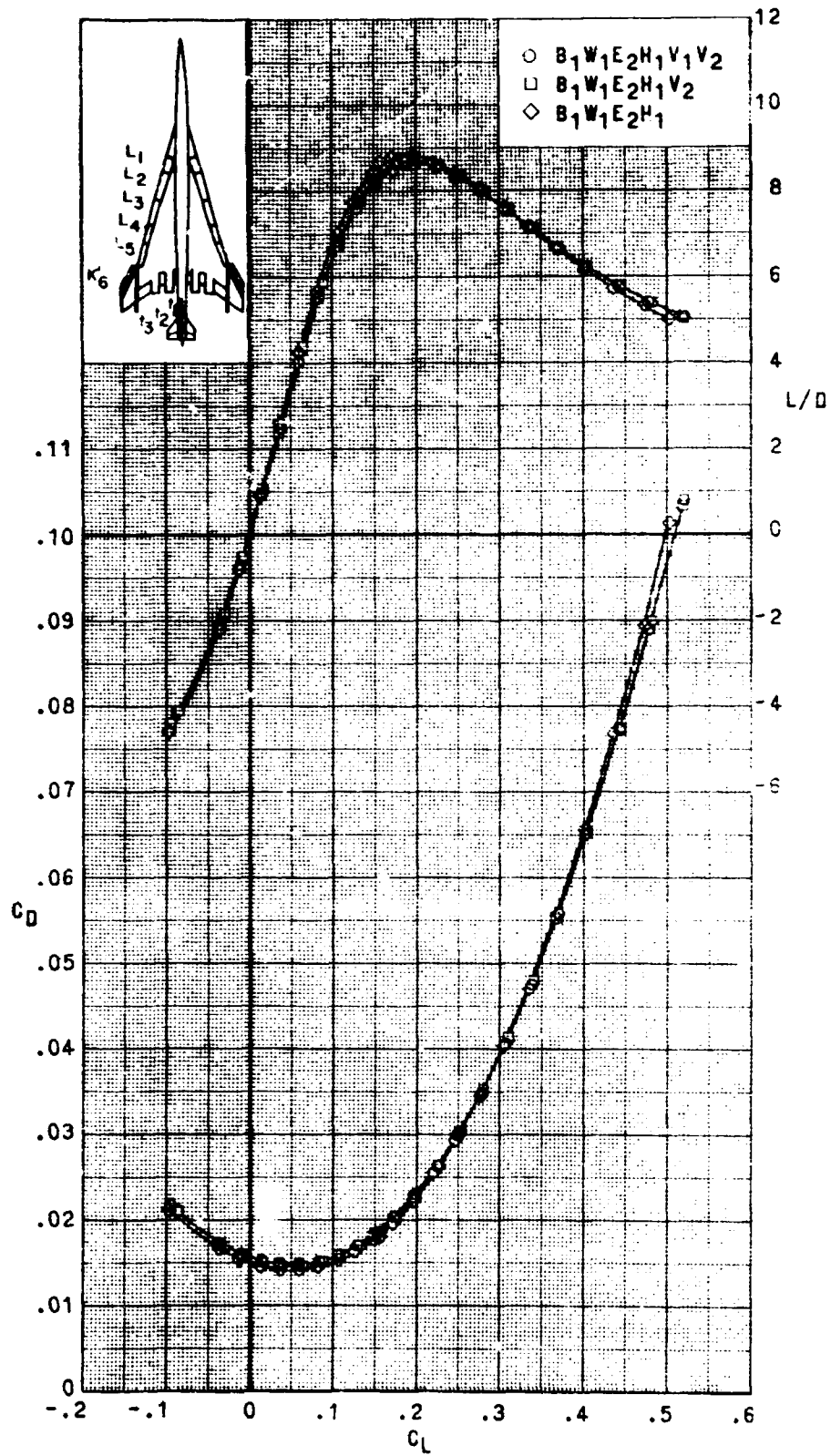
Figure 8.- Concluded.



(a)  $M = 0.60$

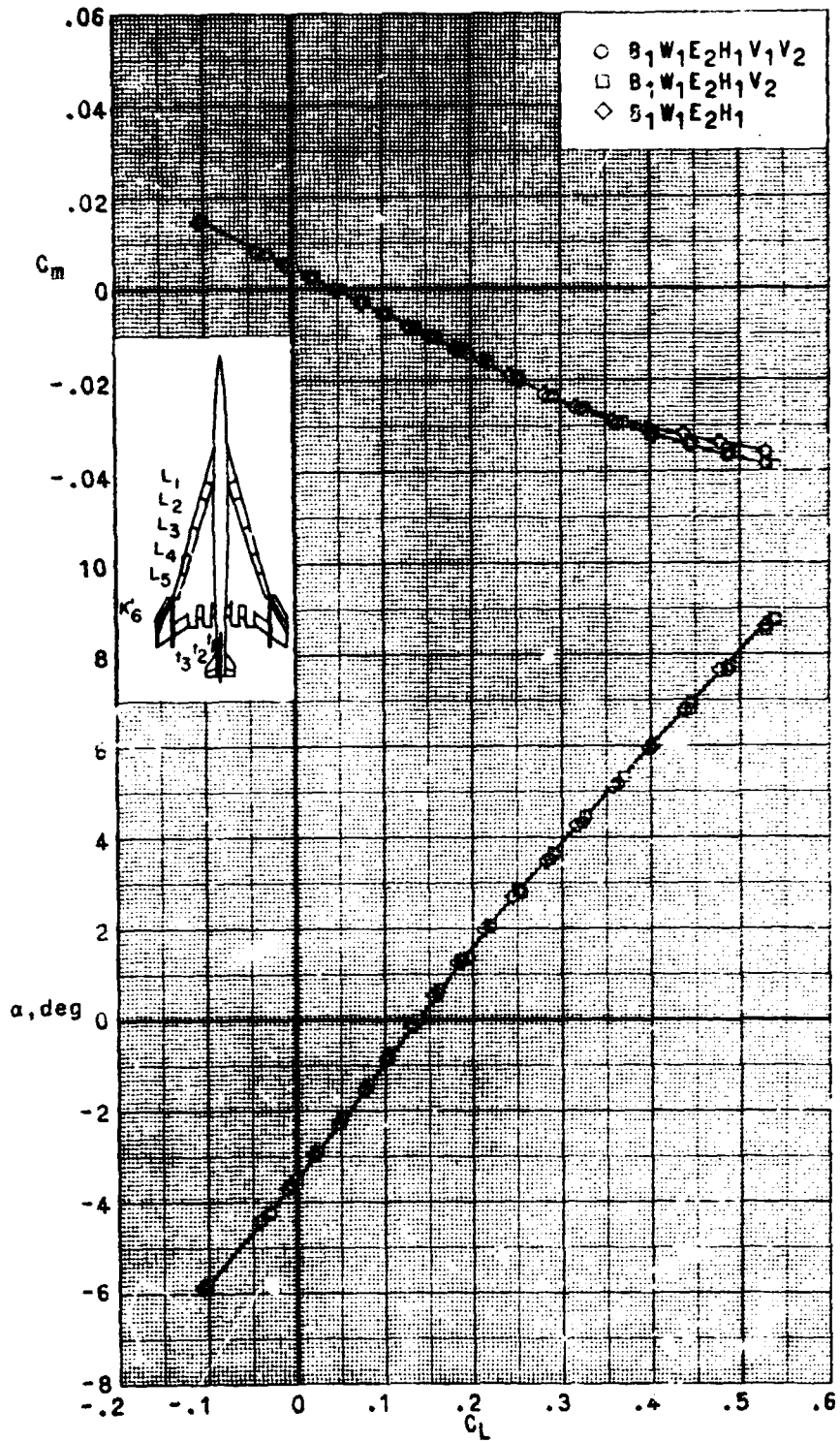
Figure 9. - Effects of center line and outboard vertical tails on the longitudinal aerodynamic characteristics,  $\delta_{L1,2} = 15^\circ$ ;  $\delta_{L3,4,5} = 0^\circ$ ;  $\delta_{t1,2,3} = 5^\circ$ ;  $\Lambda_{tip} = 60^\circ$ ;  $\delta_{K'6} = 20^\circ$ .

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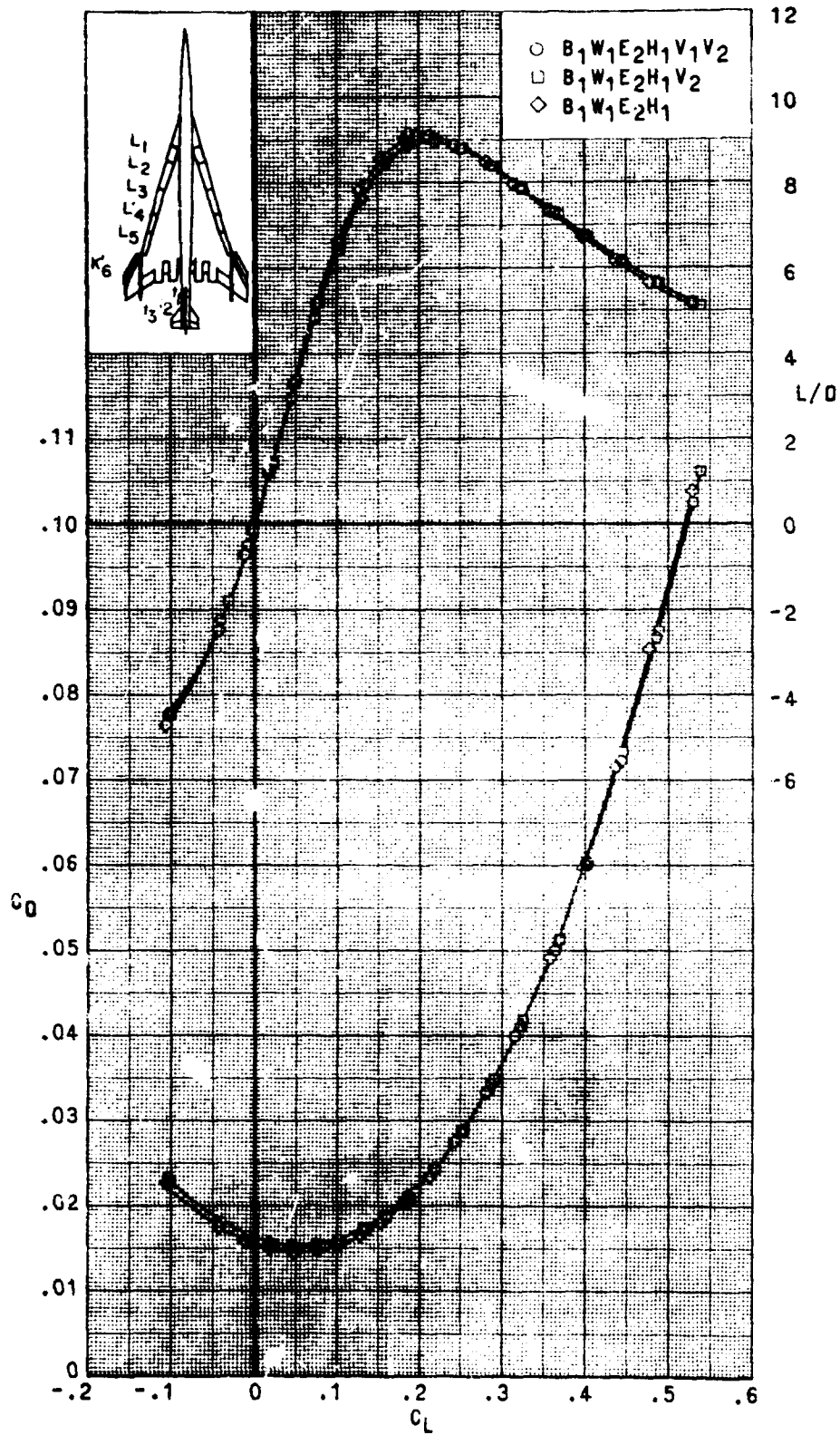
(a)  $M = 0.60$ . Concluded.

Figure 9. - Continued.



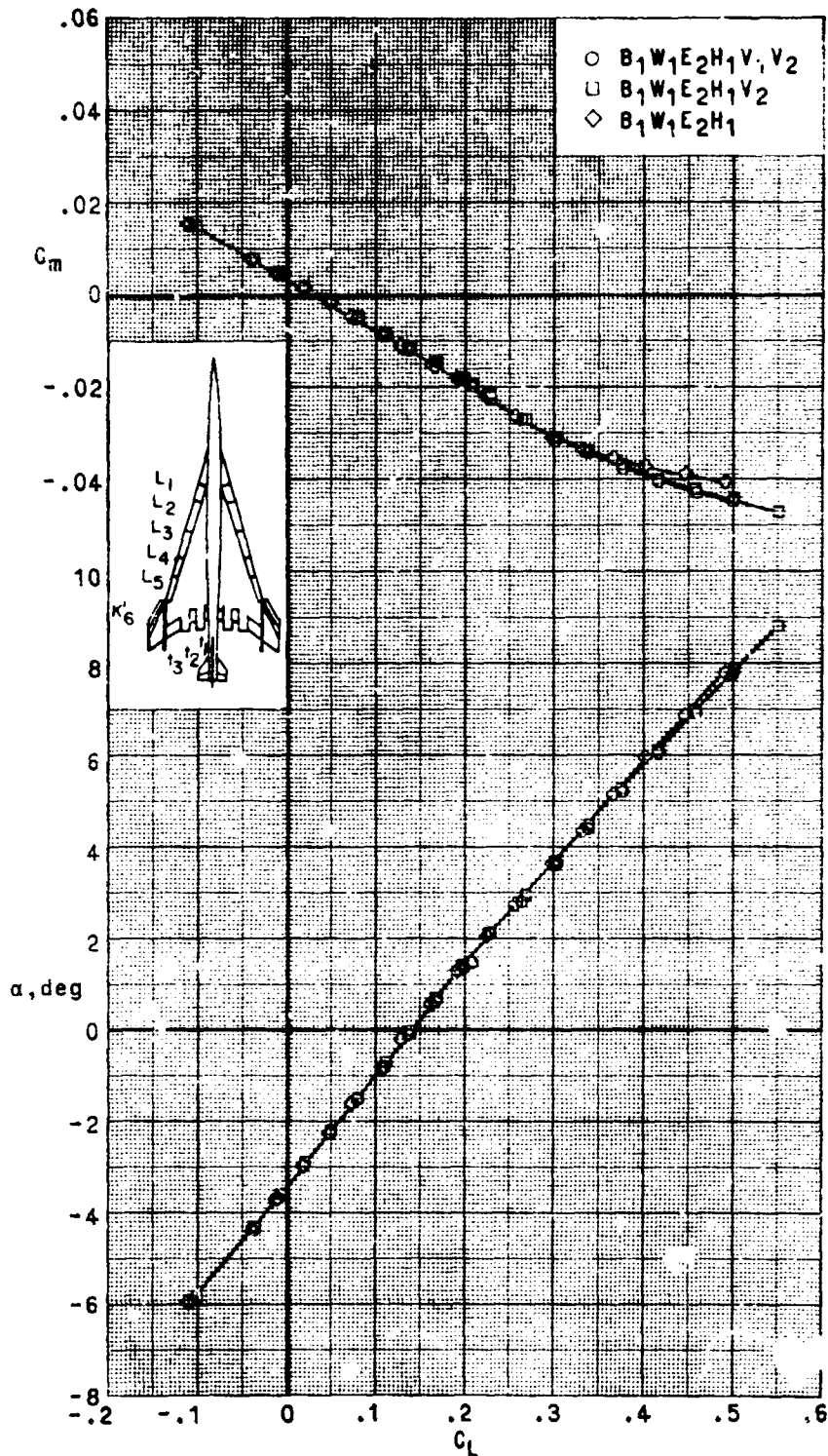
(b)  $M = 0.90$ .

Figure 9. - Continued.



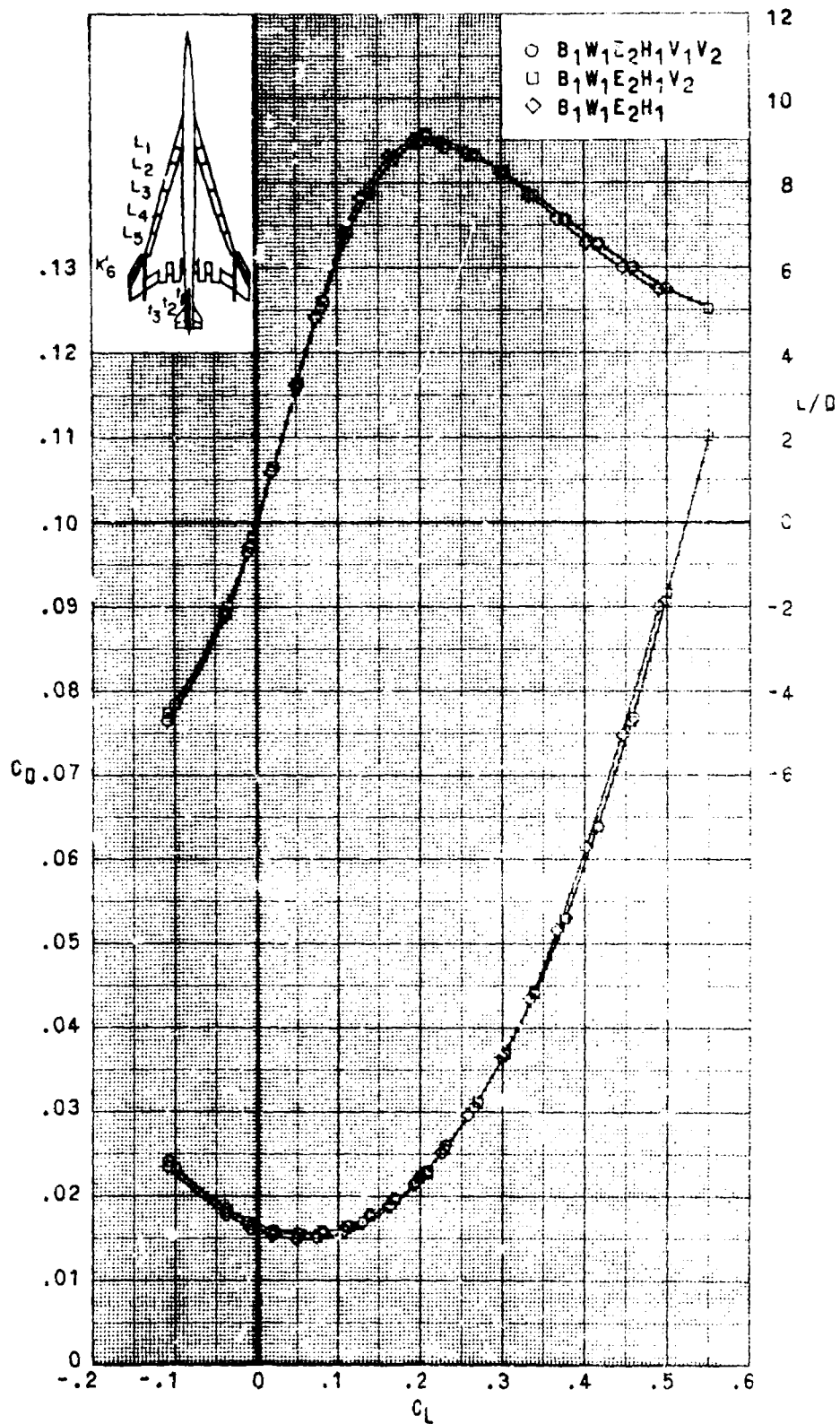
(b)  $M = 0.30$ . Concluded

Figure 9. Continued



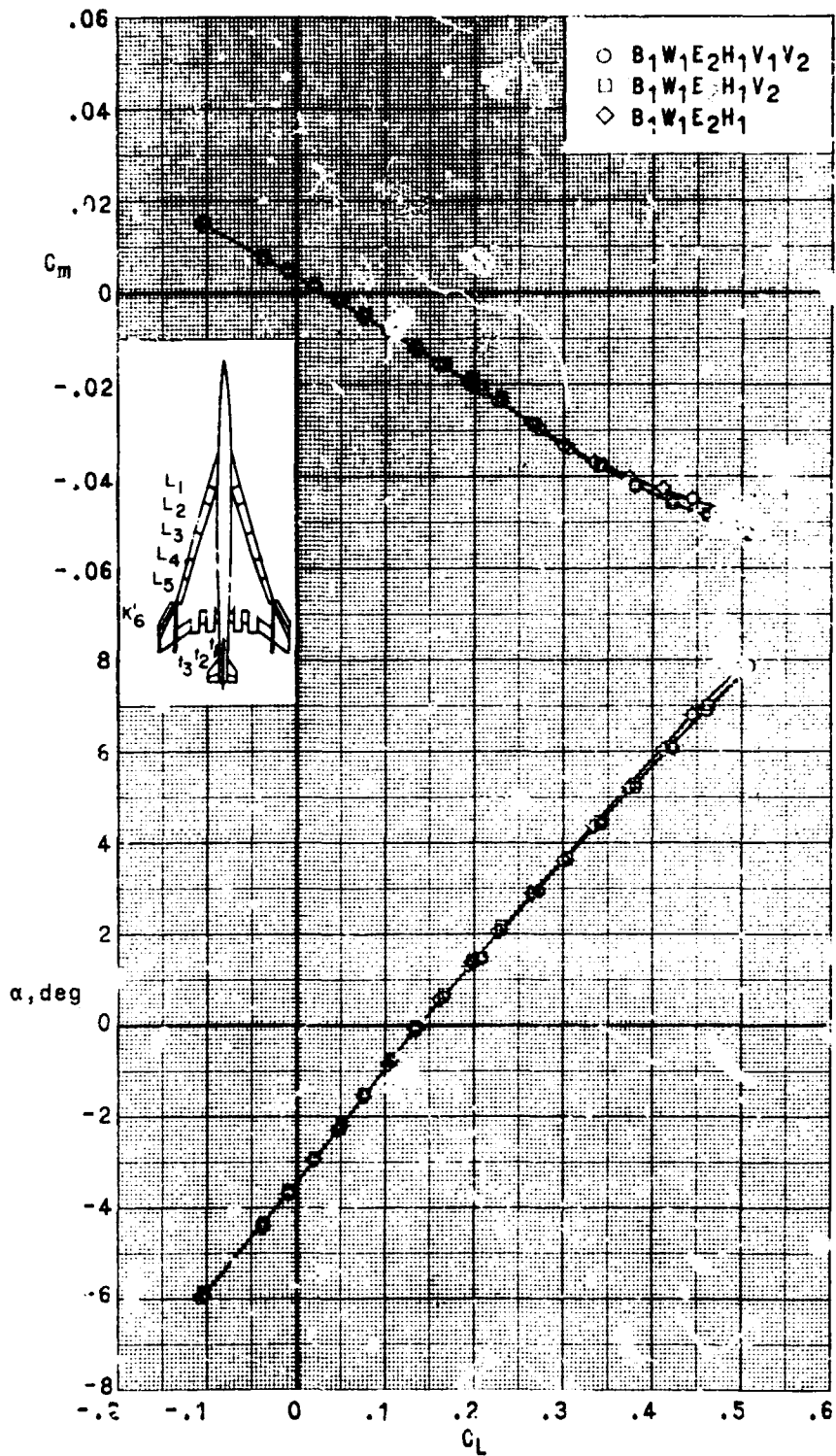
(c)  $M = 0.95$ .  
Figure 9 - Continued

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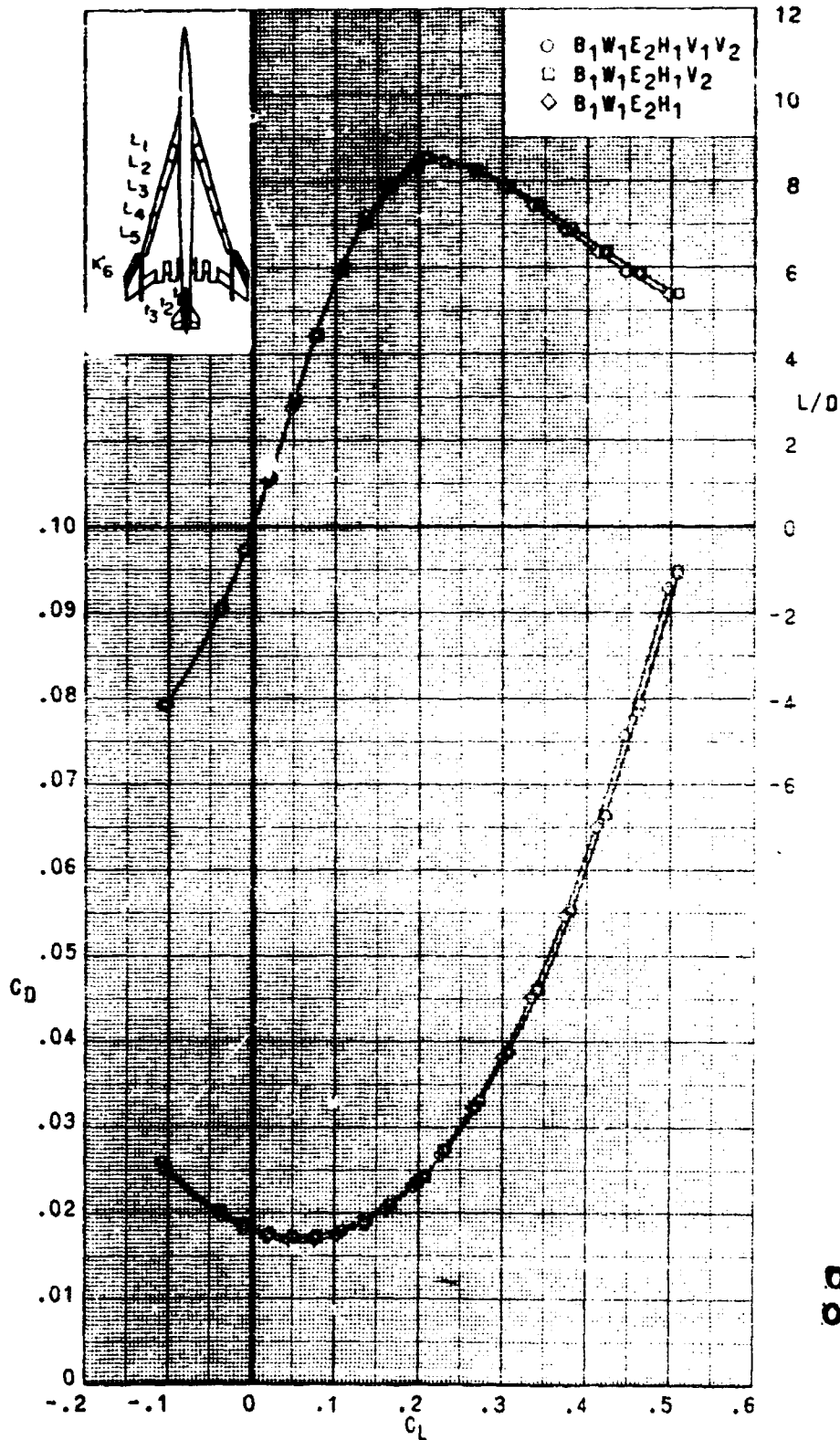
(c) M 0.95. Concluded.

Figure 9 - Continued.



(d) M  
Figure 9.- Continued



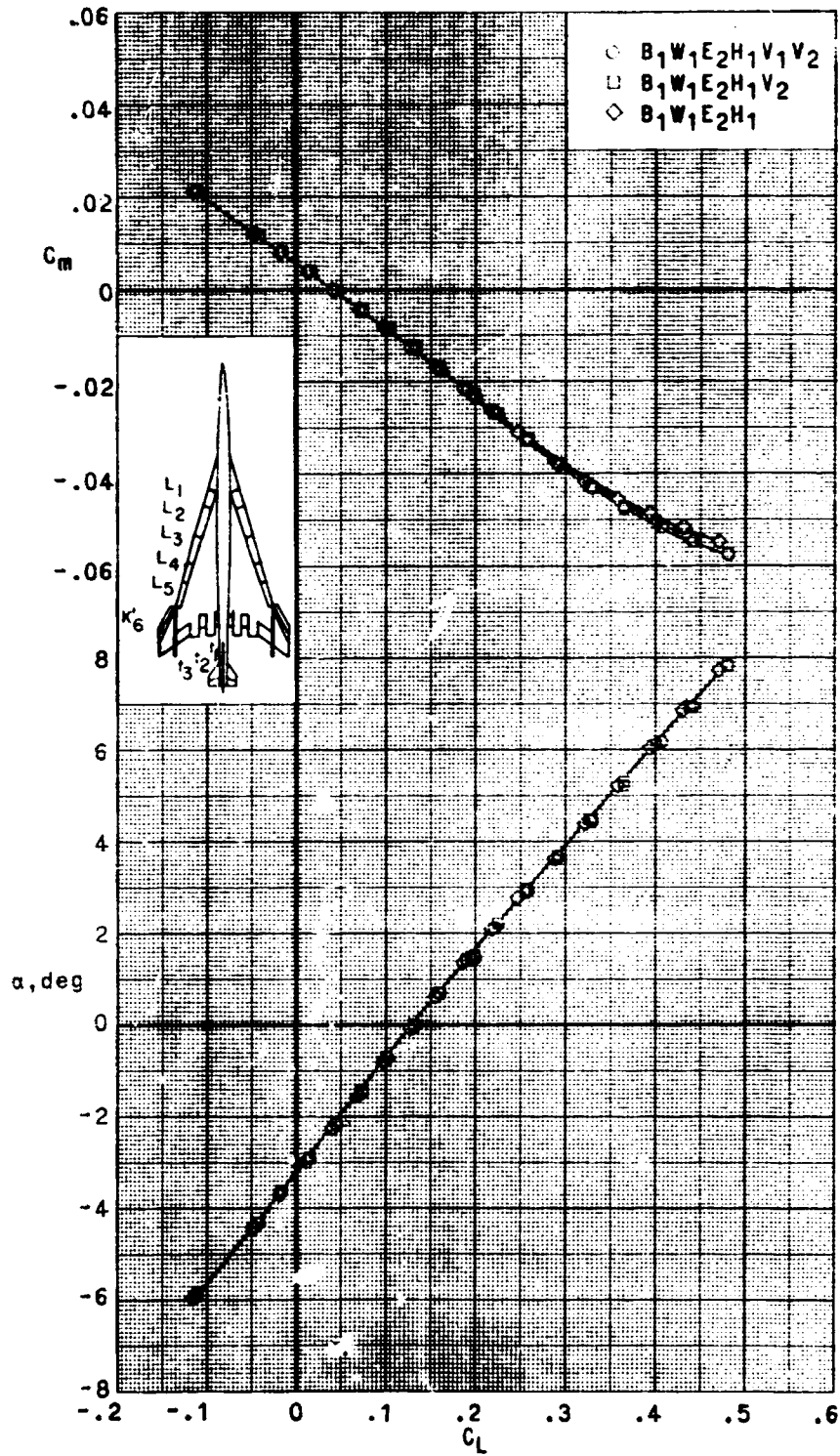


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(d) M = 1.00. Concluded.

Figure 9.- Continued

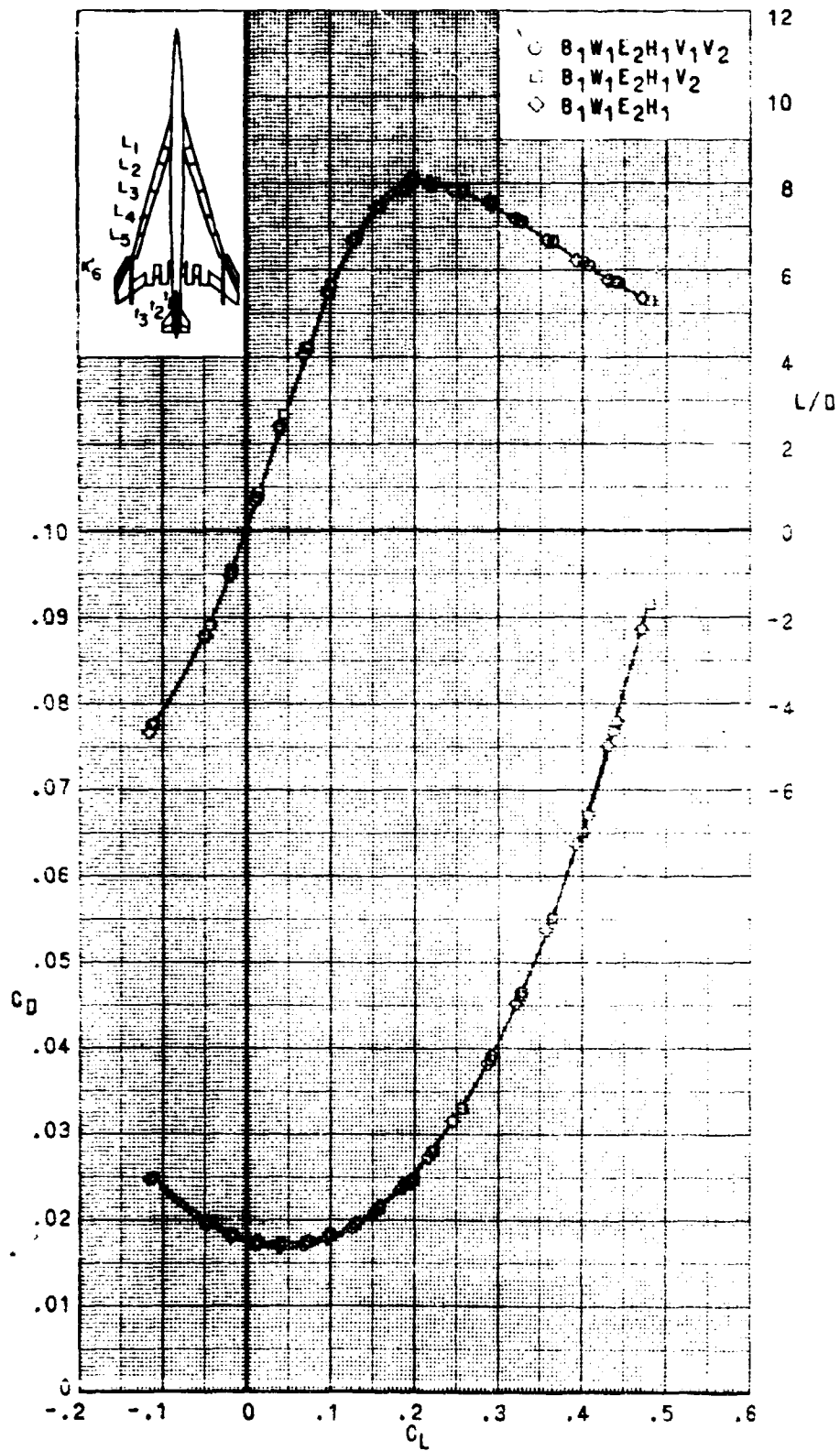
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(e)  $M = 1.20$ .

Figure 9 - Continued.

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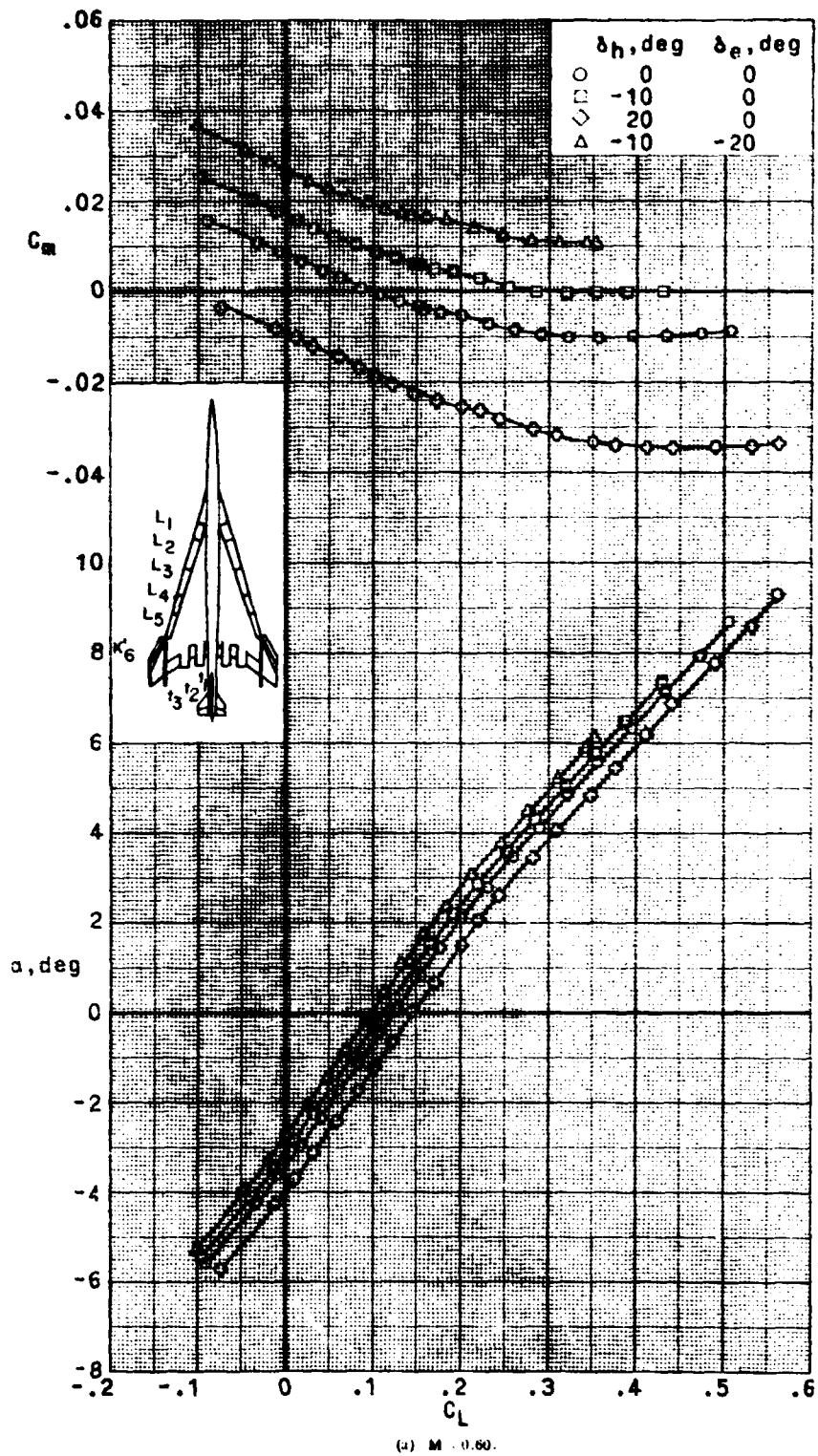
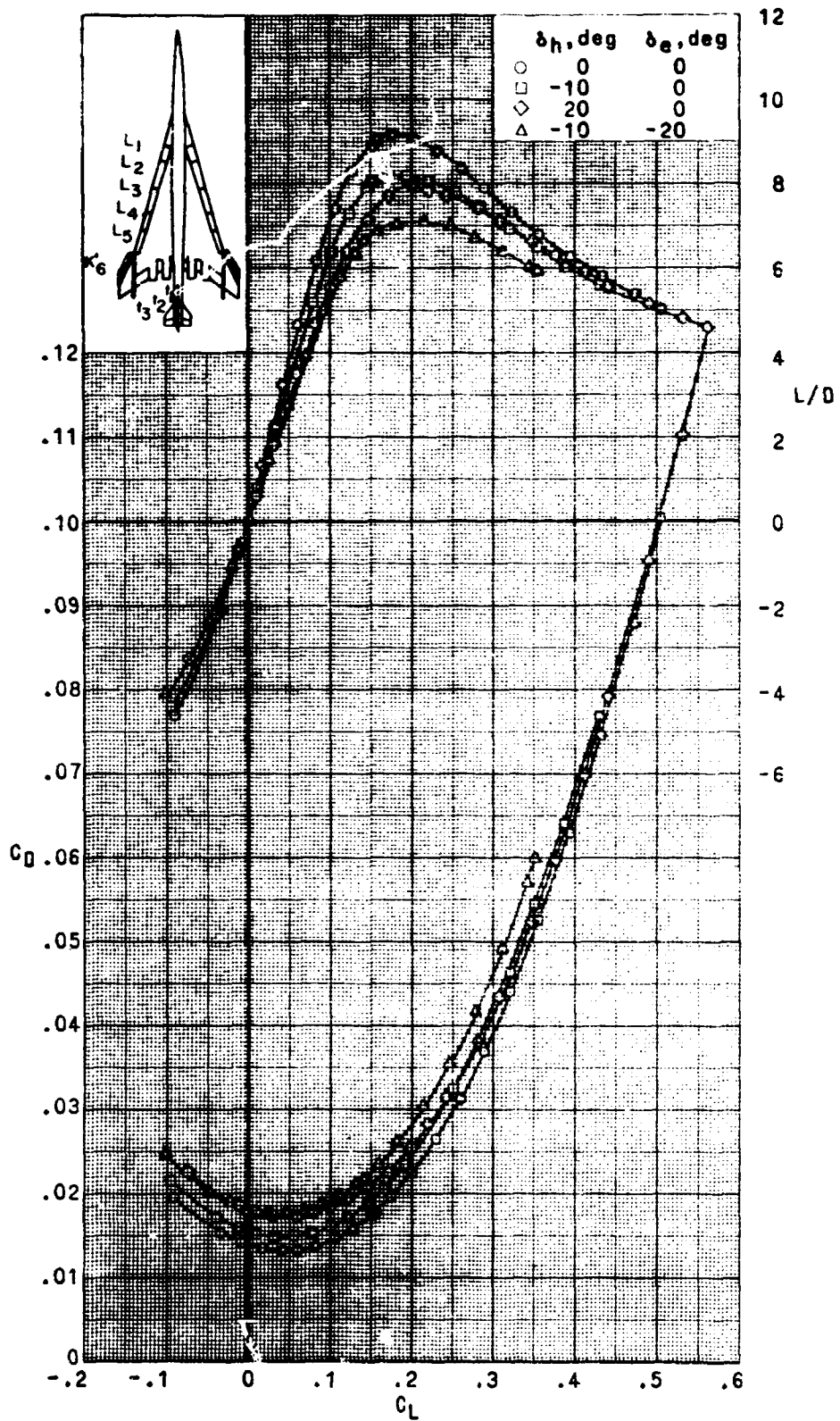
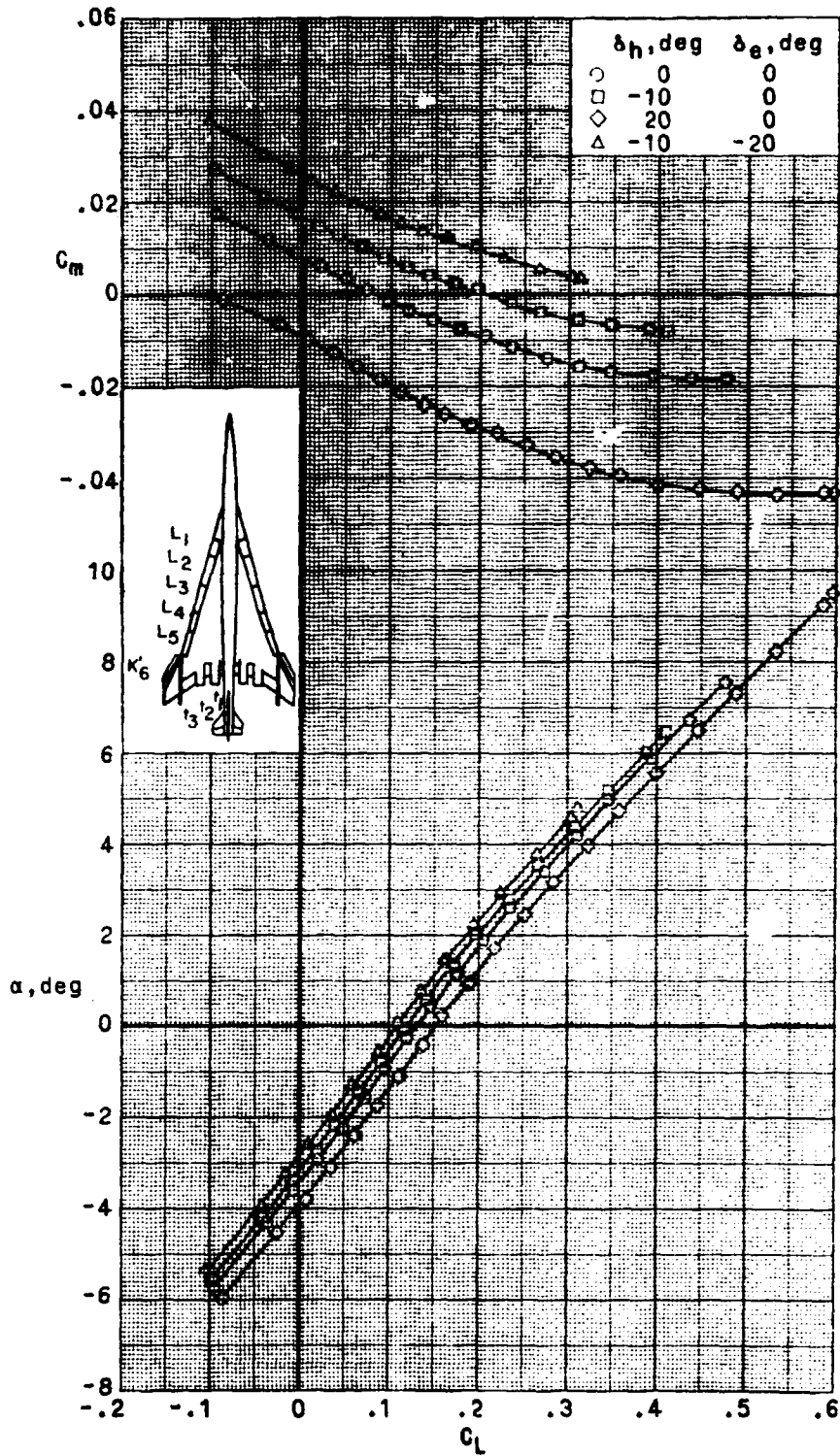


Figure 10.- Effects of horizontal tail and elevator deflections on the longitudinal aerodynamic characteristics of  $B_1 W_1 E_2 H_1 V_1 V_2$ .  $\delta_{1,2,3,4,5} = 0^\circ$ ,  $\delta_{1,2,3} = 5^\circ$ ,  $\Lambda_{tip} = 60^\circ$ ,  $K_6 = 20^\circ$ .

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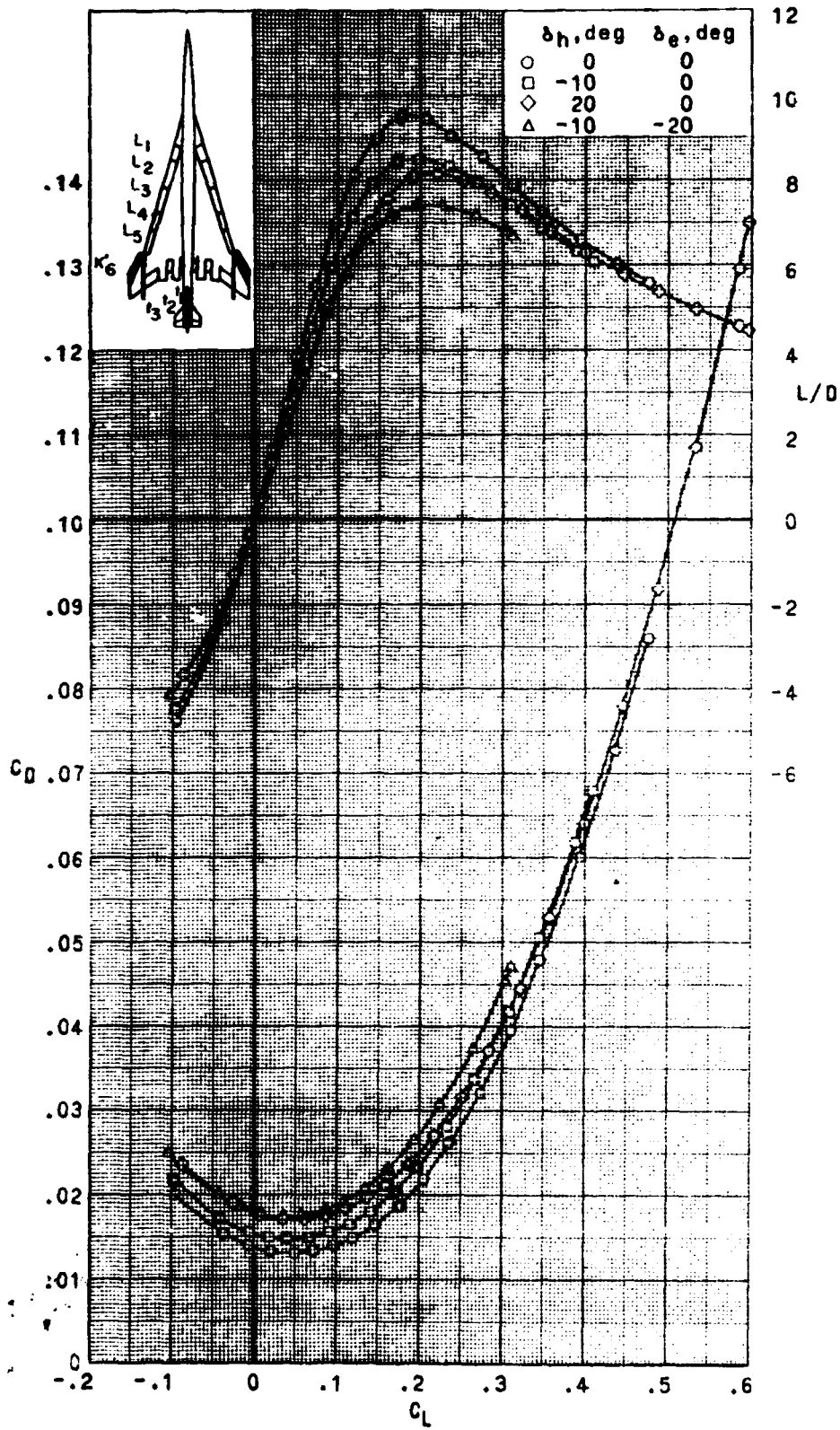




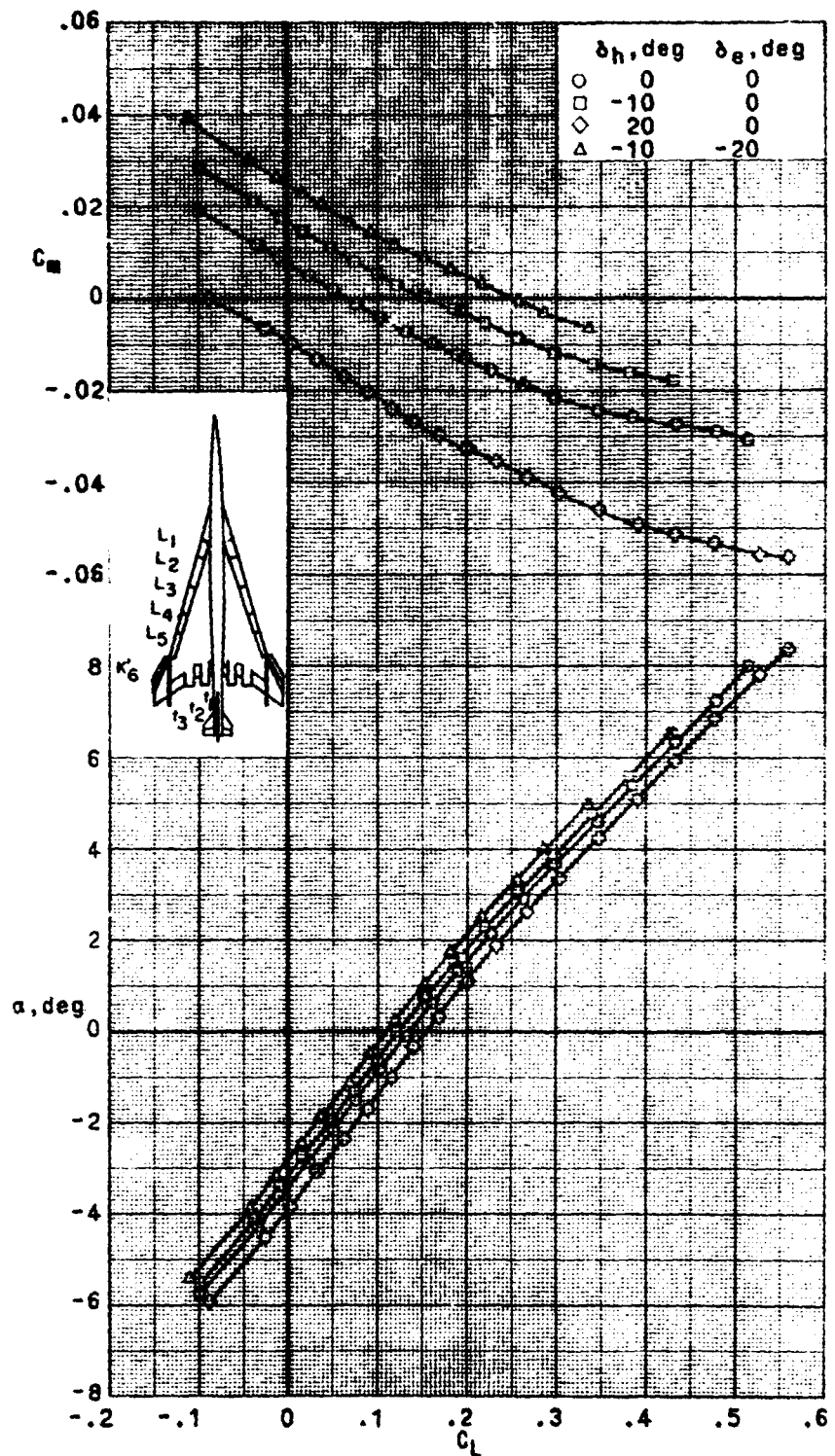
(b)  $M = 0.80$ .

Figure 10.- Continued

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(b)  $M = 0.80$ . Concluded.  
Figure 10.- Continued.

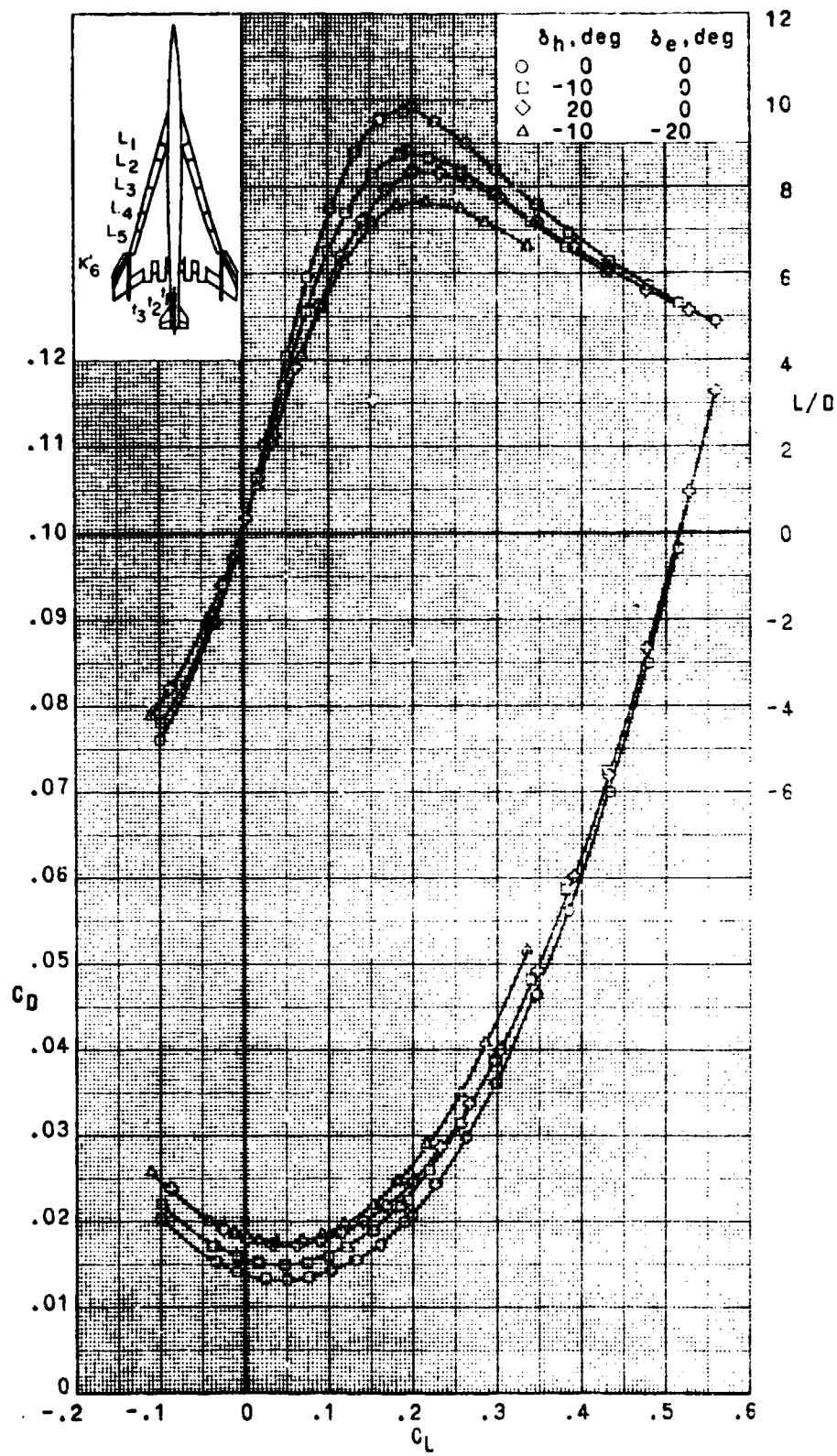


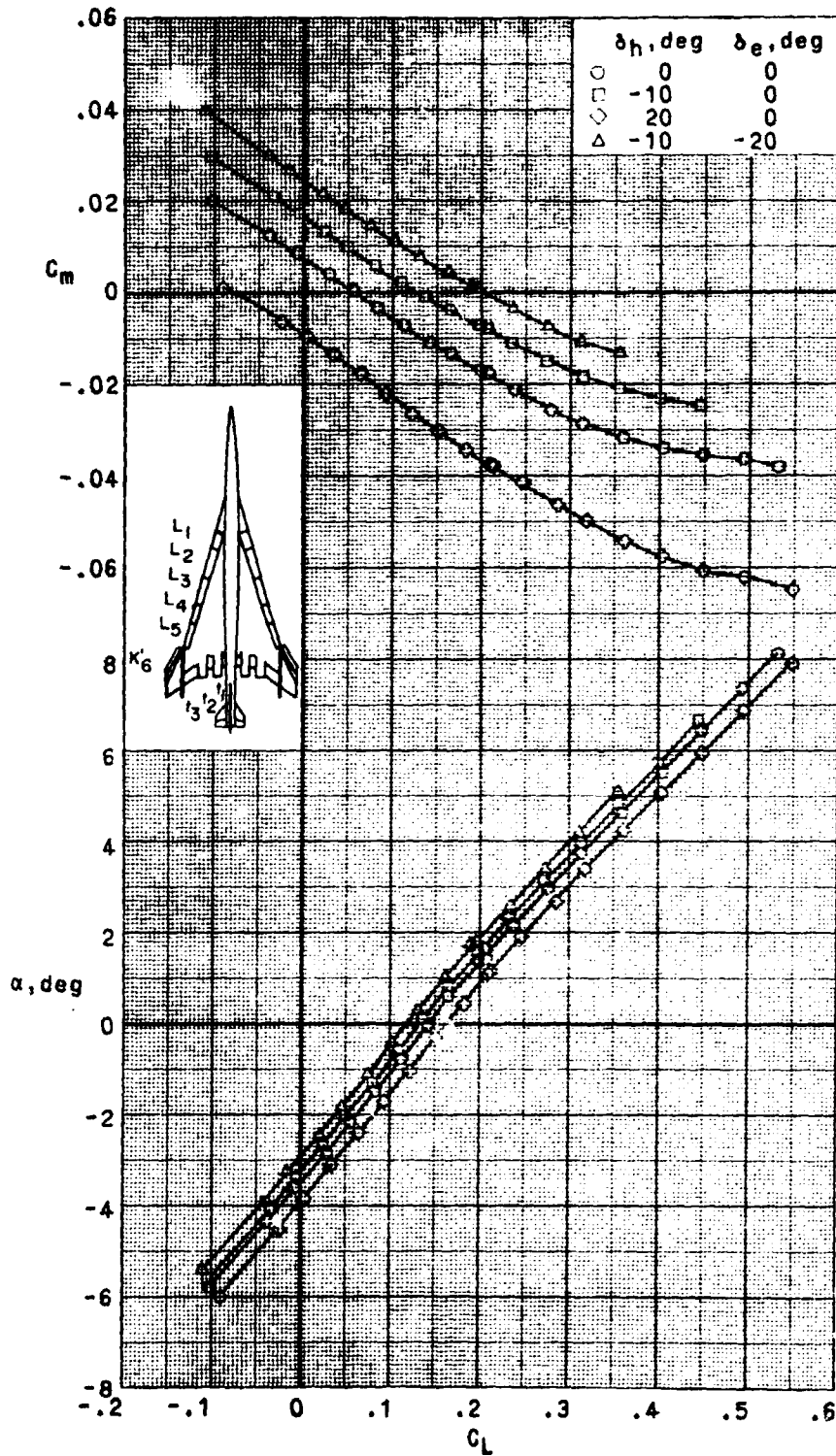
(c)  $M = 0.90$ .

Figure 10.- Continued

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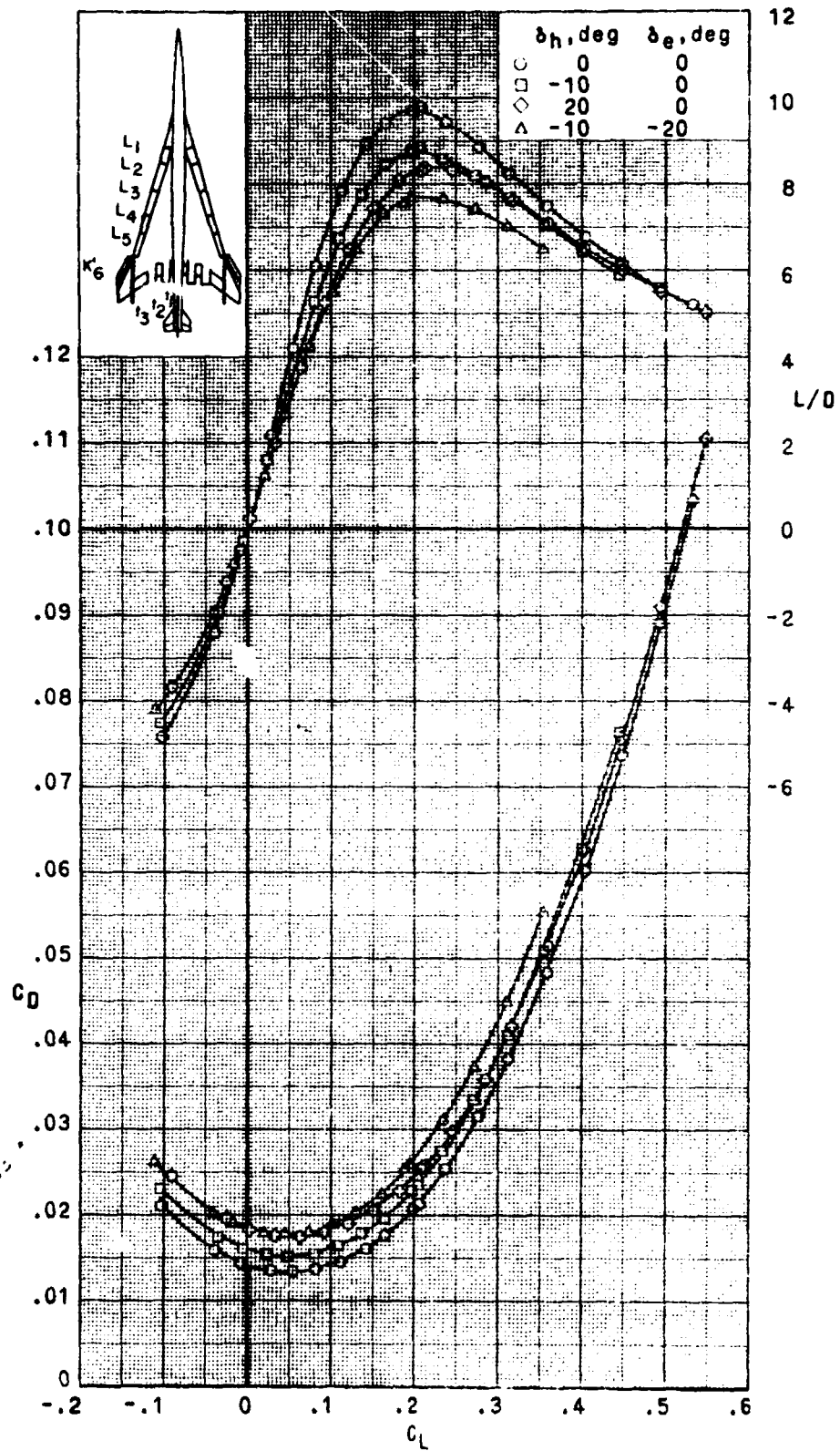


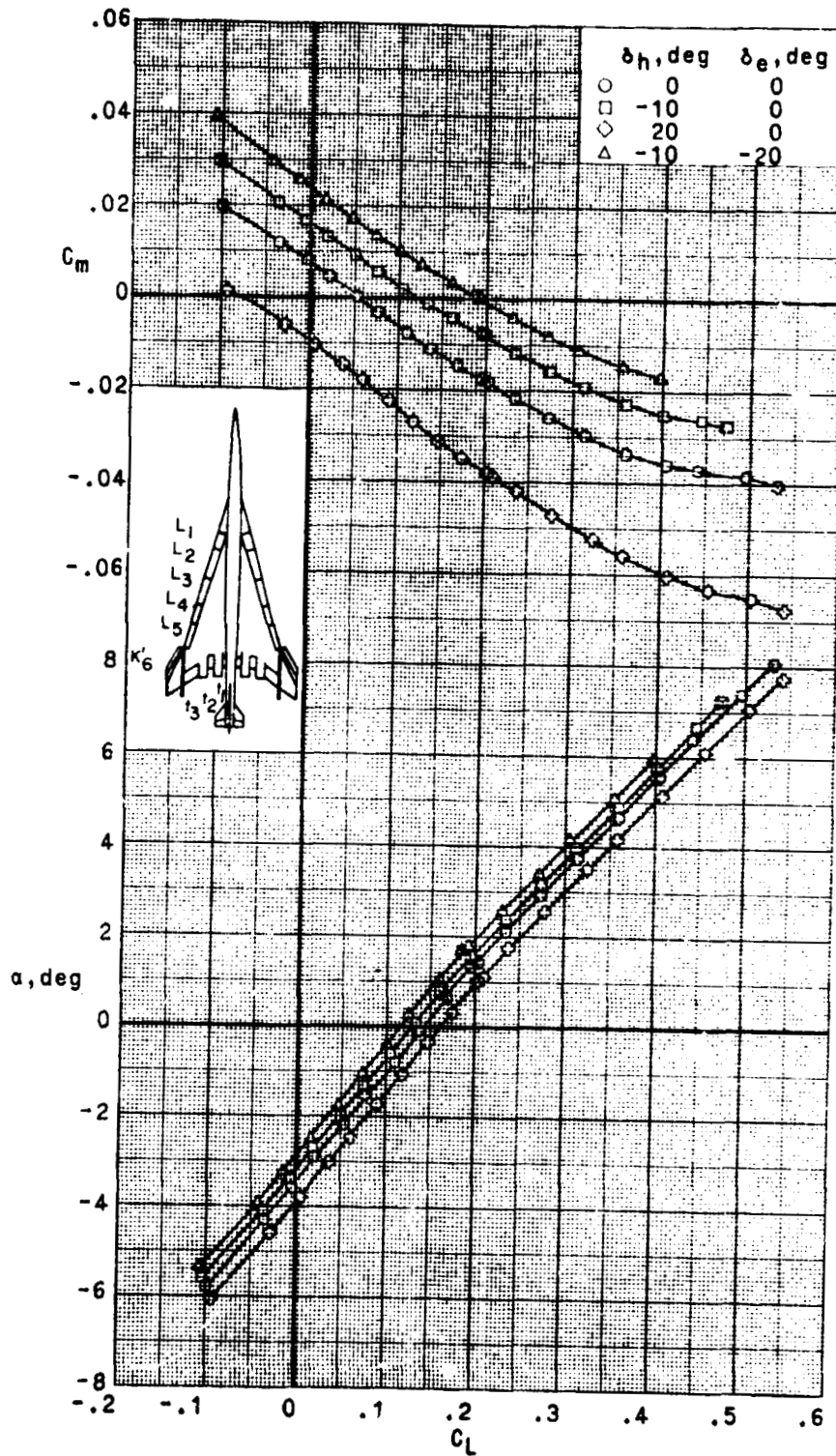




(d)  $M = 0.95$   
 Figure 10.- Continued

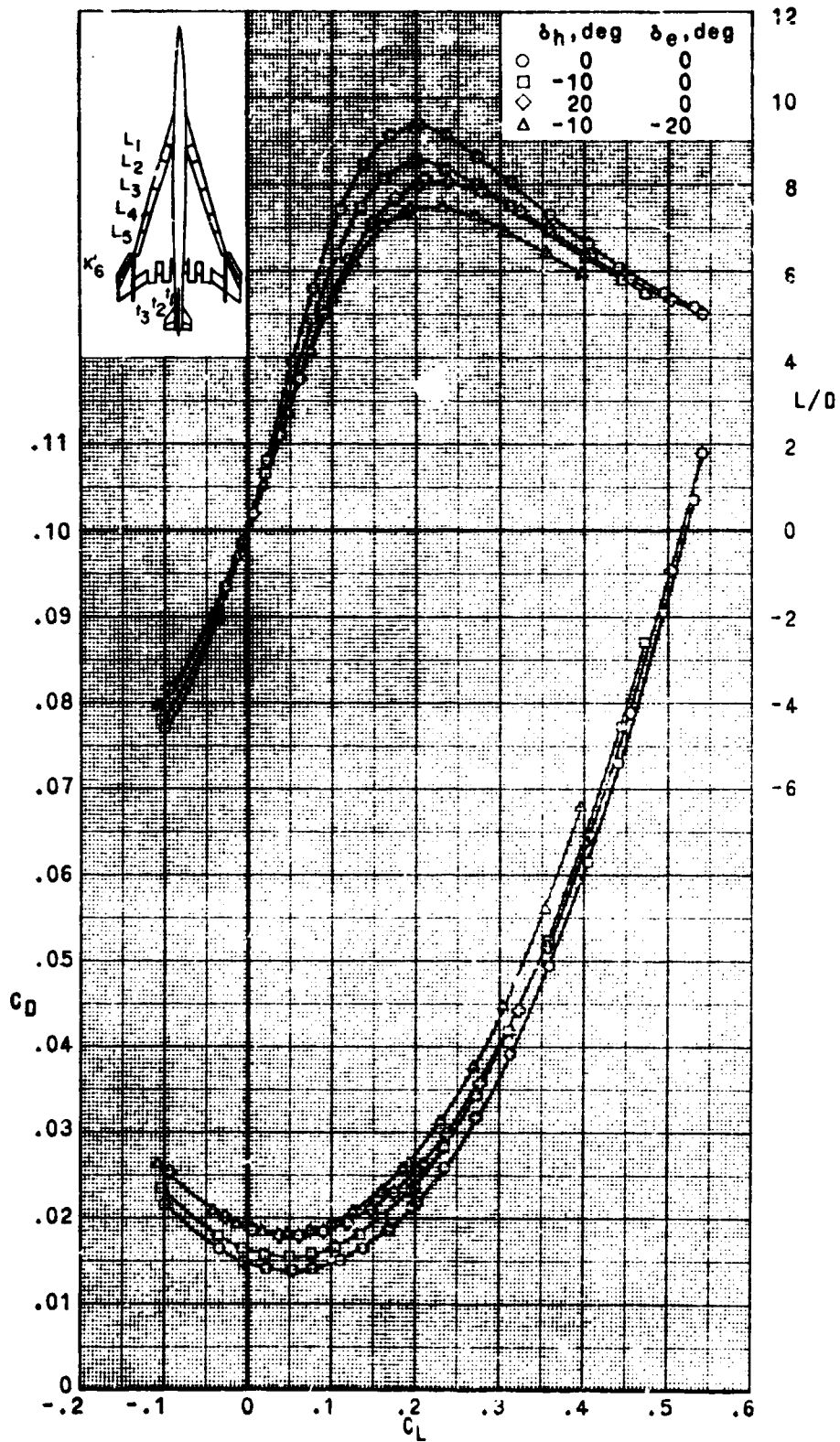
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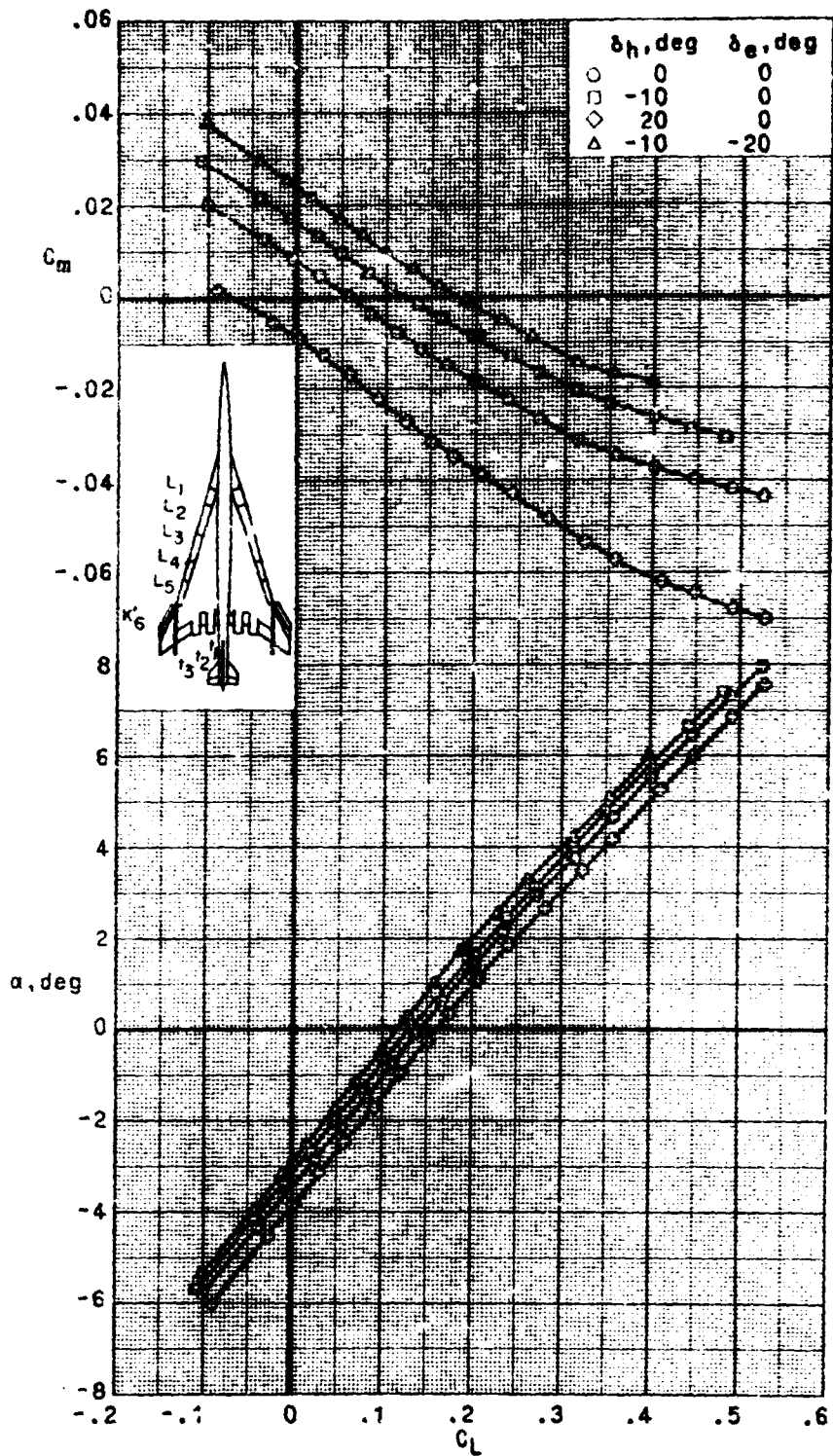
(e) M 0.975.  
Figure 10.- Continued

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(e)  $M = 0.975$ . Concluded.

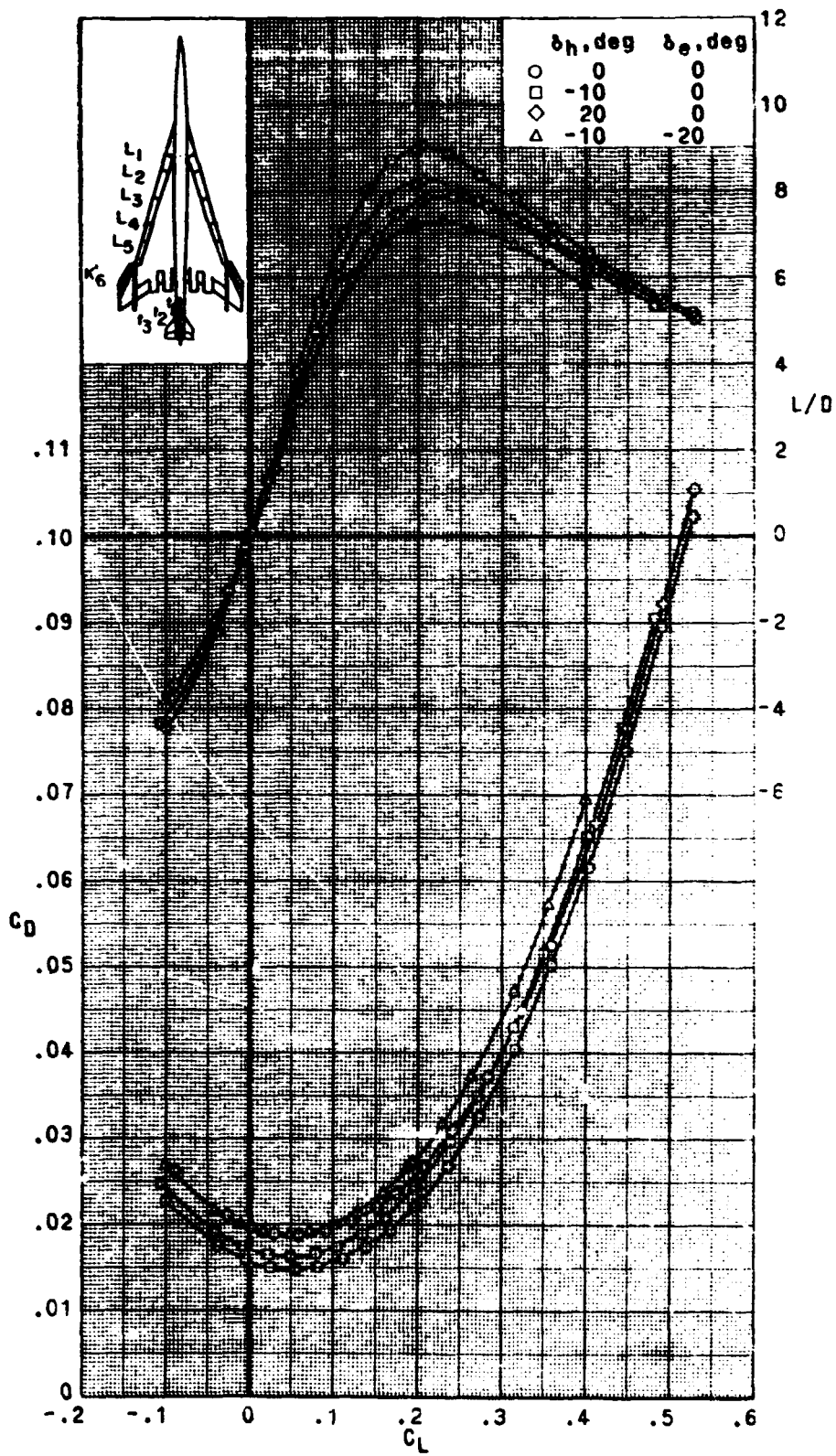
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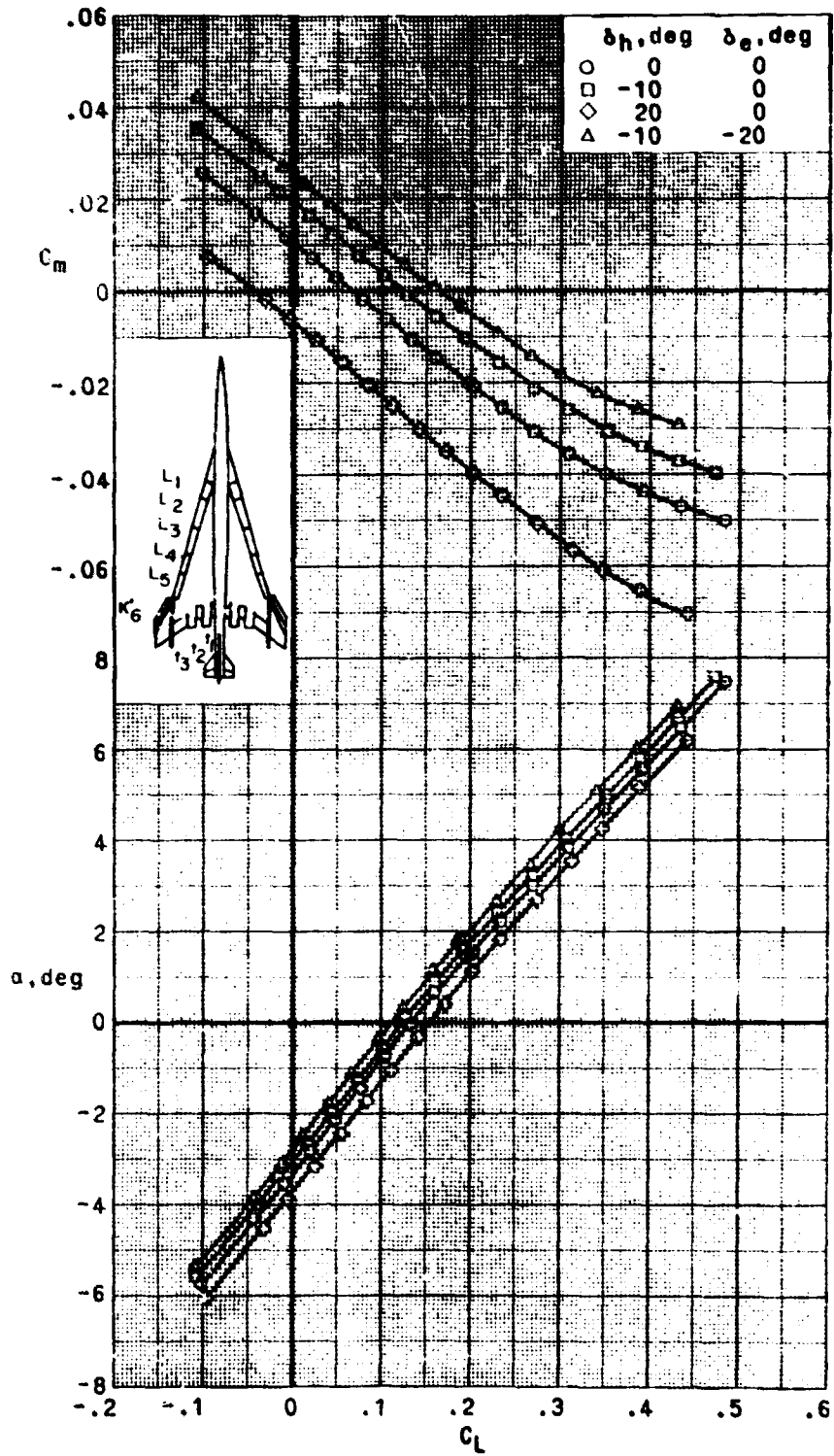


(f)  $M = 1.00$ .

Figure 10.- Continued

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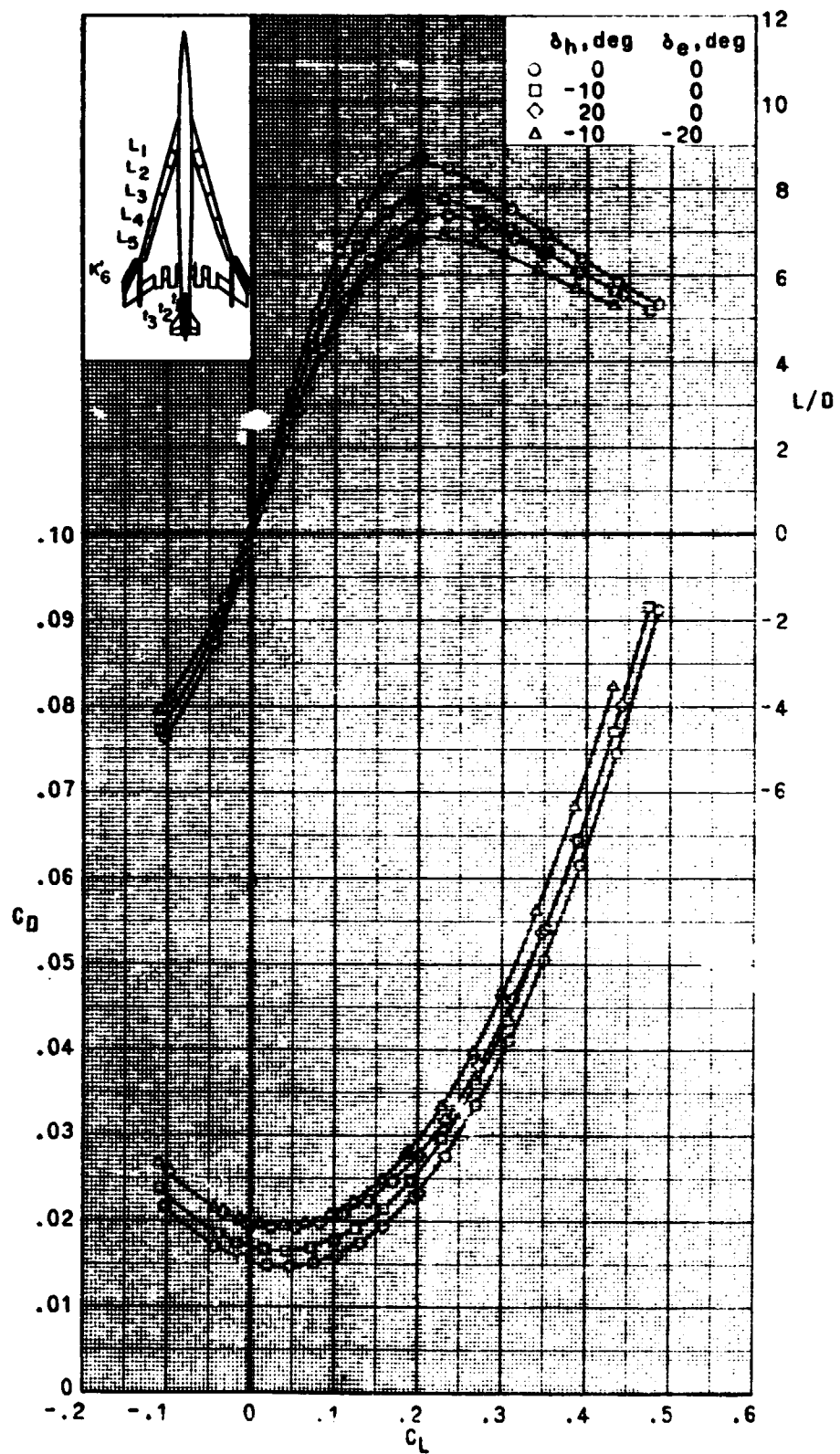




(g) M 120

Figure 10 - Continued





(g)  $M = 1.20$ . Concluded

Figure 10.- Concluded

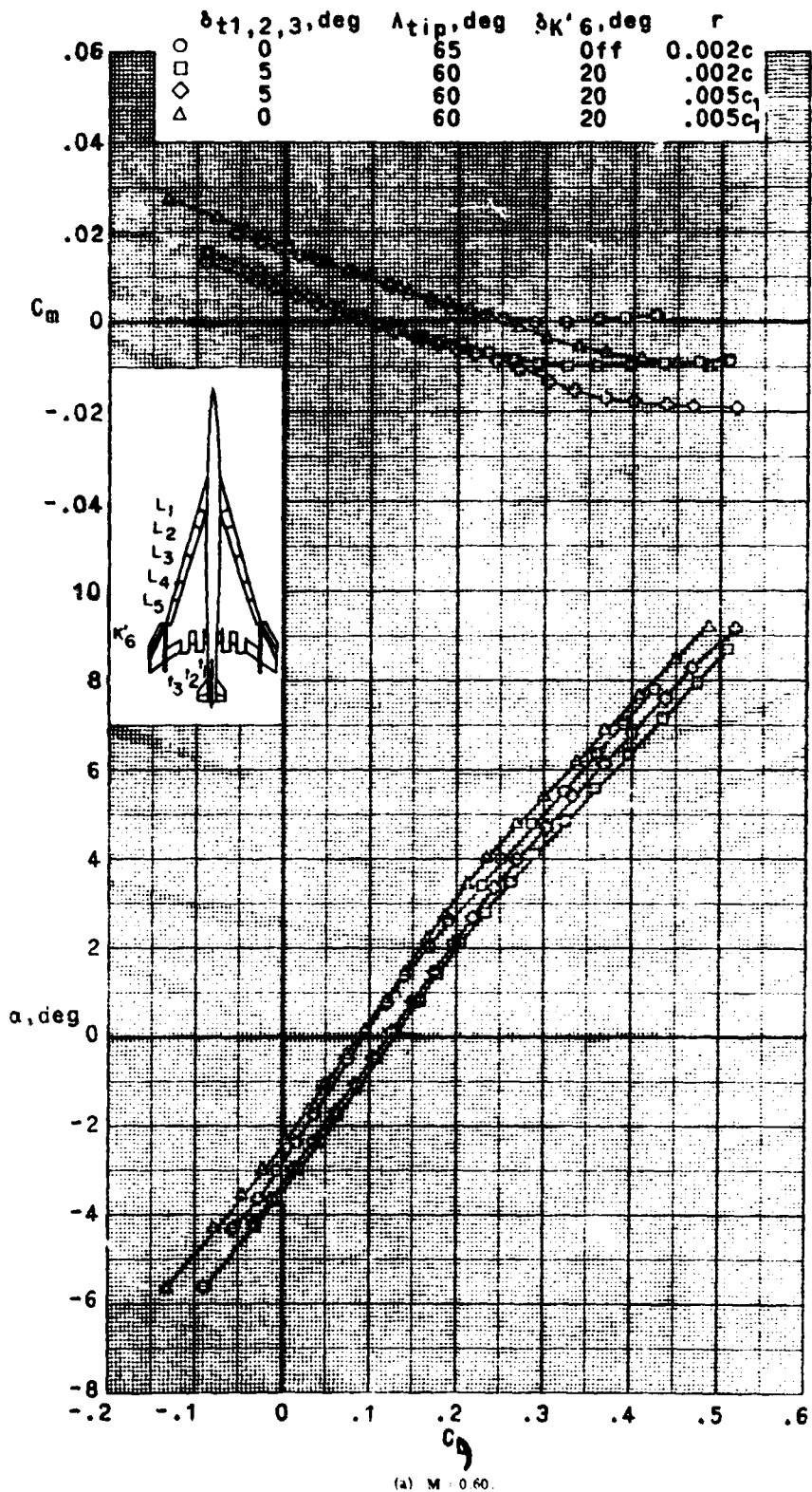
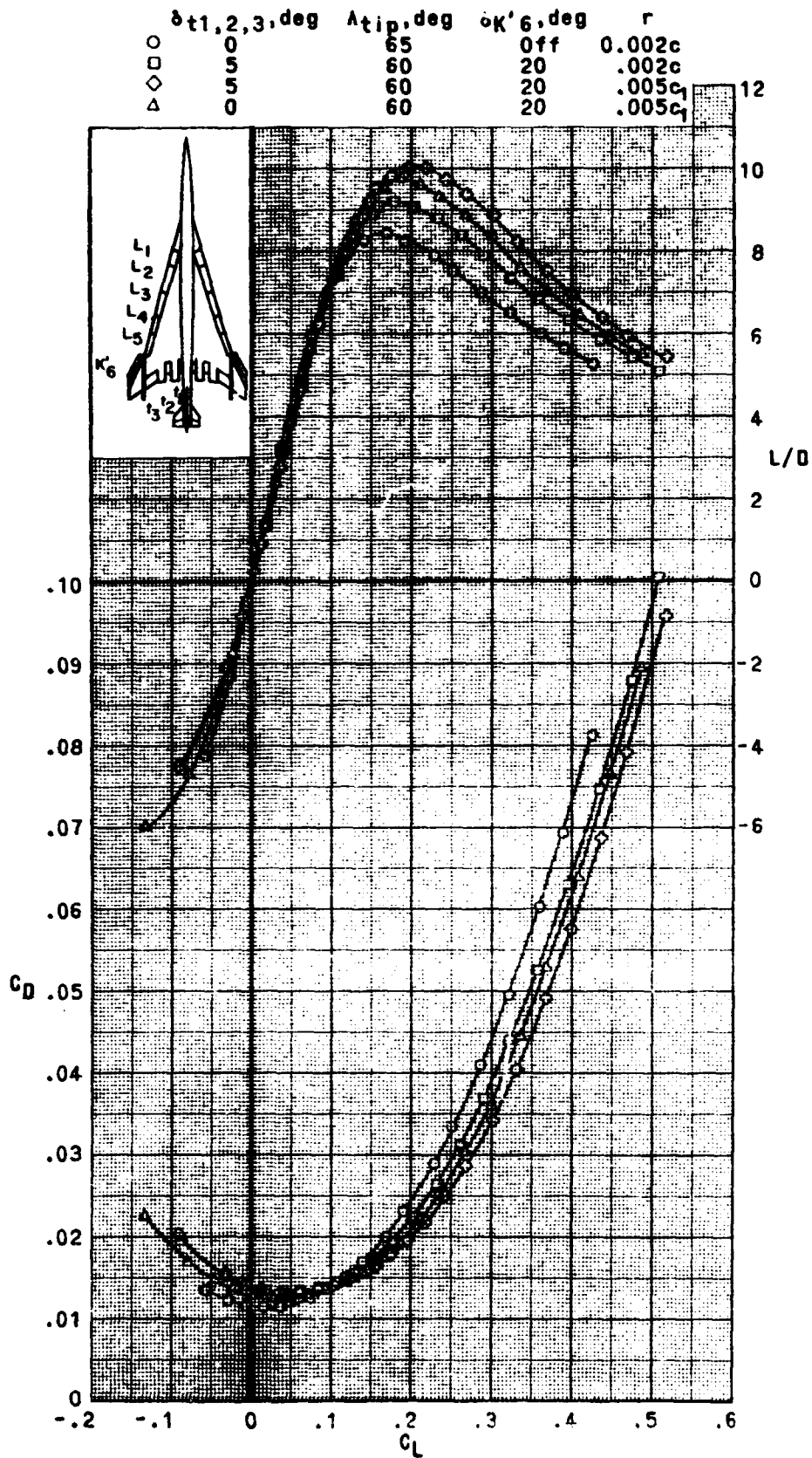
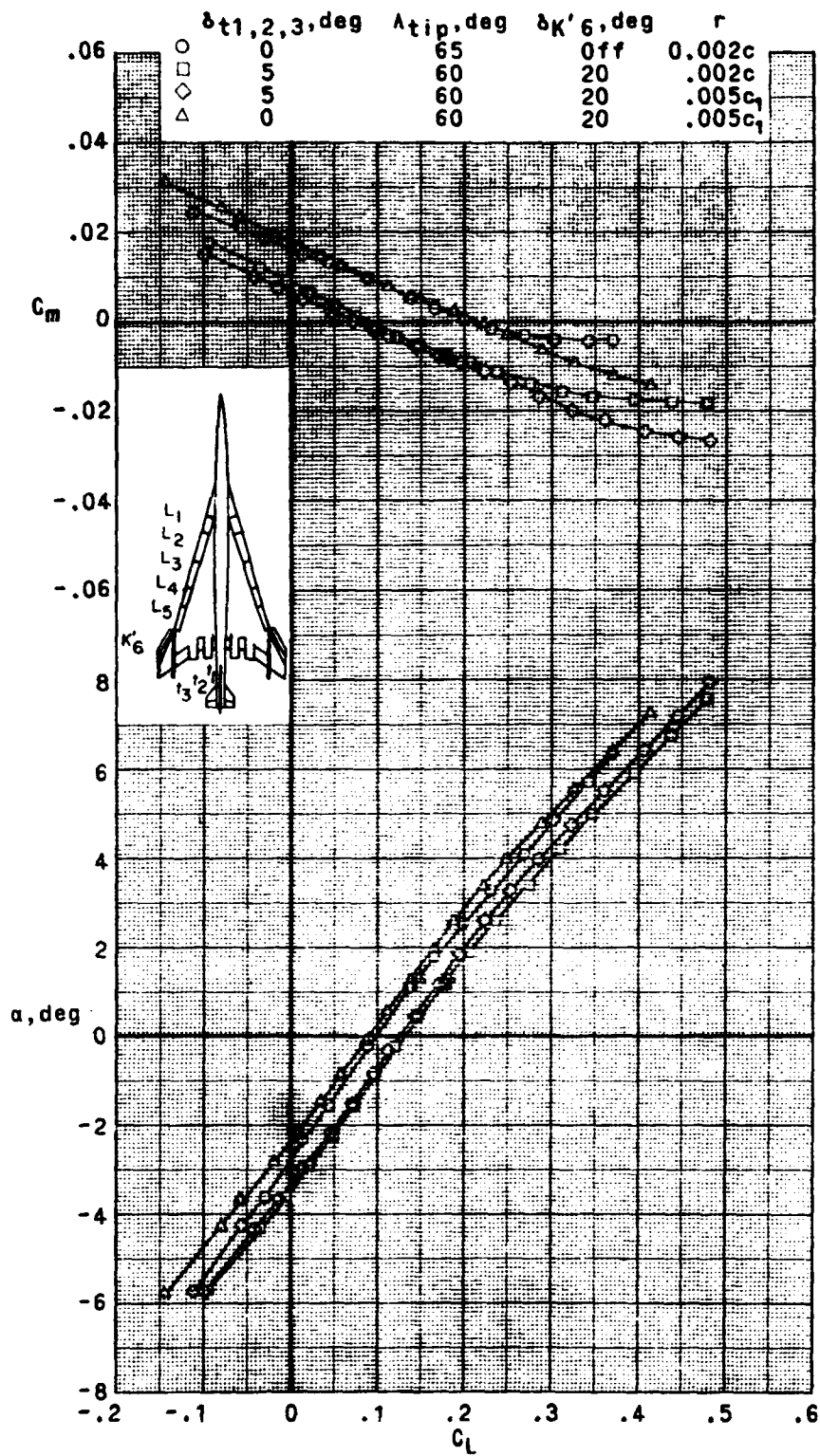


Figure 11. - Effects of large  $r$  leading-edge radius and trailing edge flap deflections on the longitudinal aerodynamic characteristics of  $B_1E_2H_1V_1V_2$   $\delta_{1,1,2,3,4,5} = 0^\circ$ .



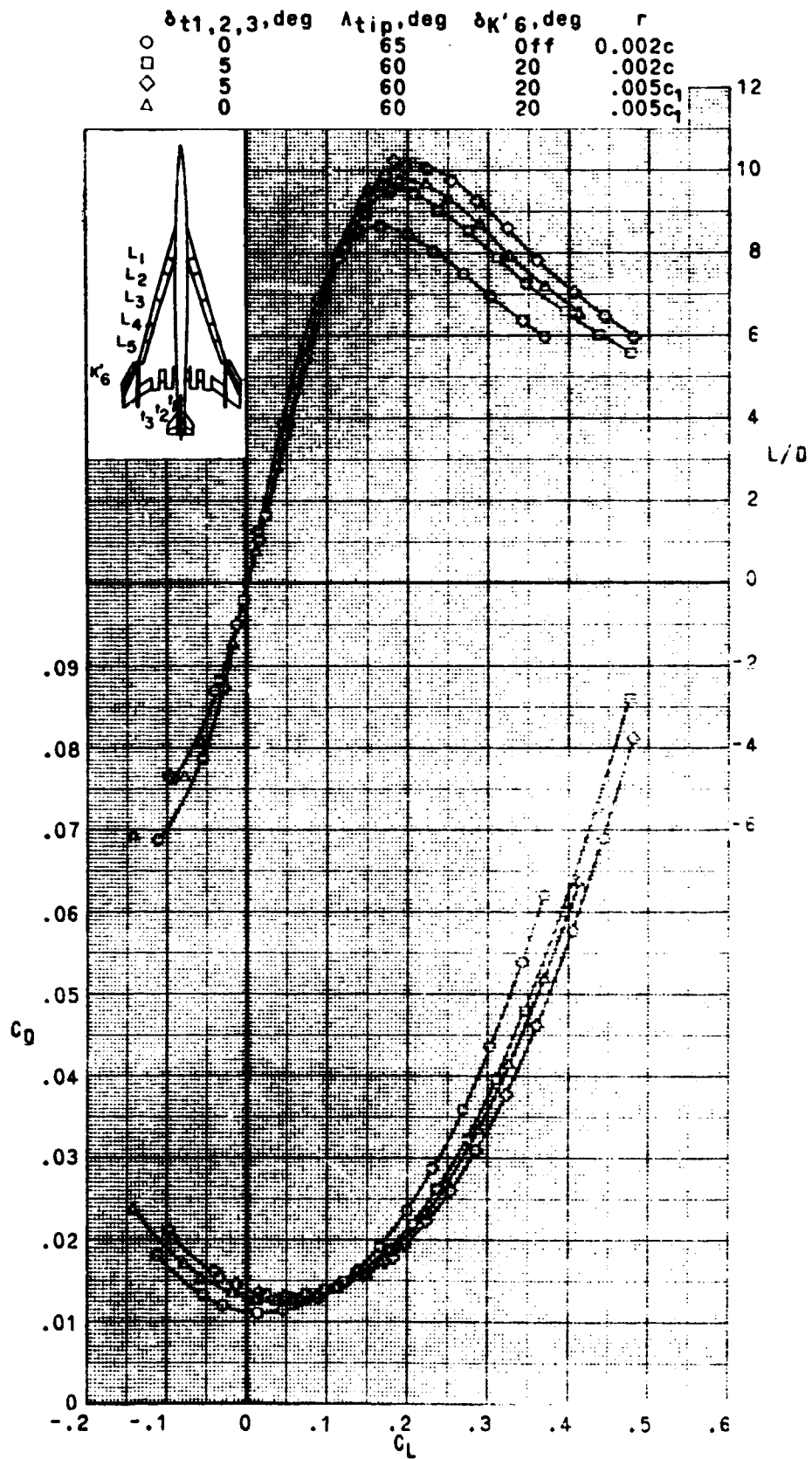


(b)  $M = 0.80$

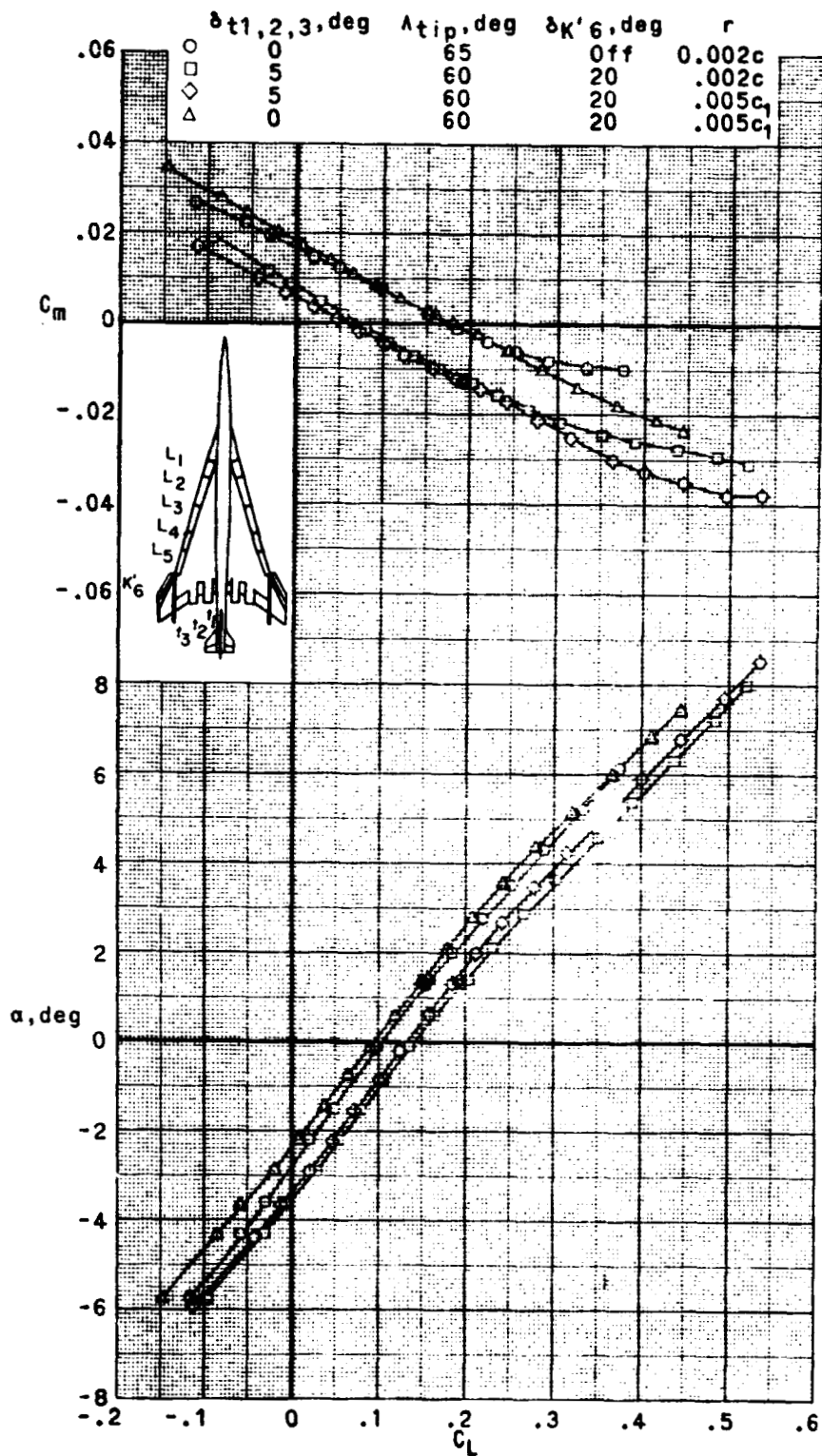
Figure 11 - Continued

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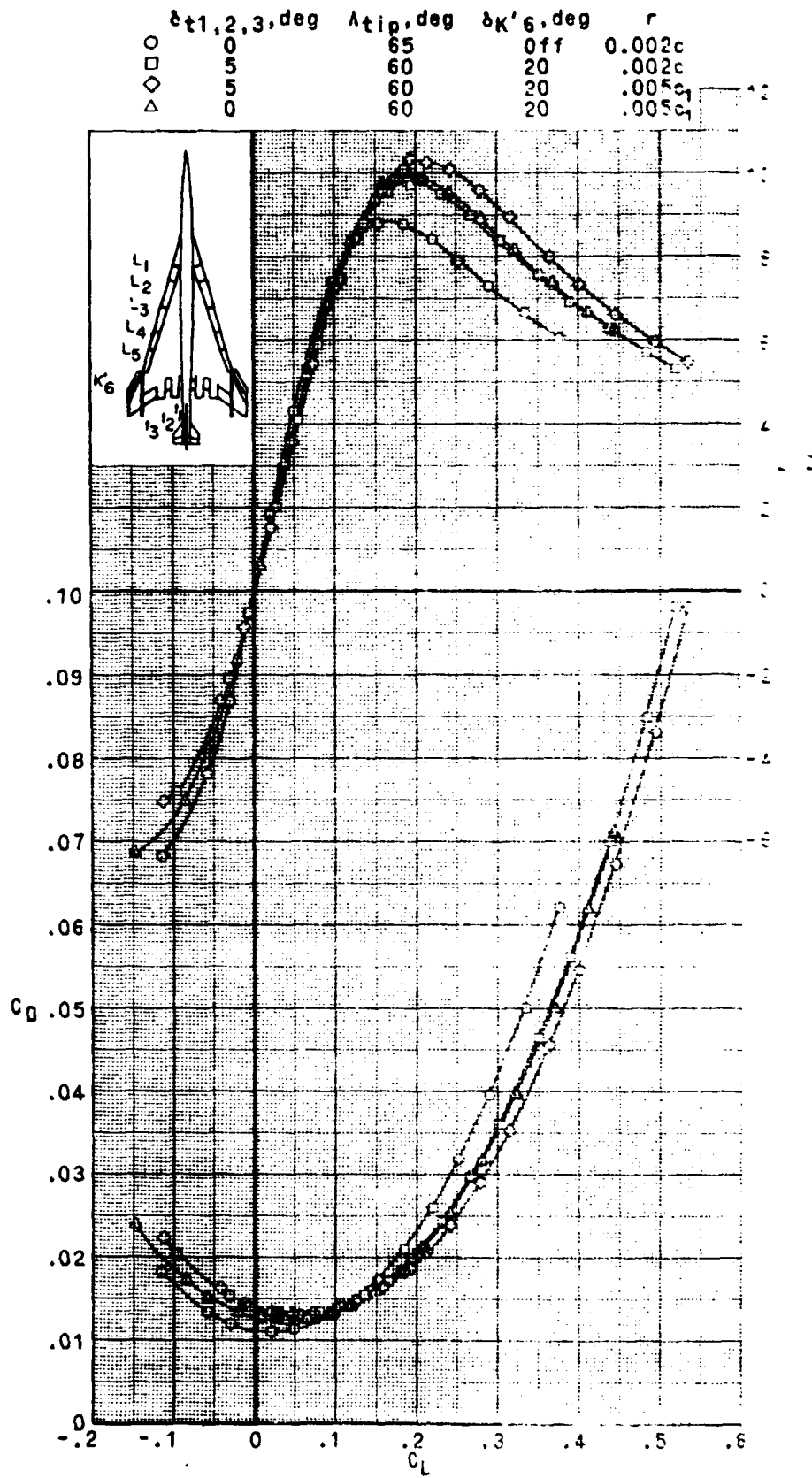


(b)  $M = 0.89$ . Continued  
 Figure 11. Continued

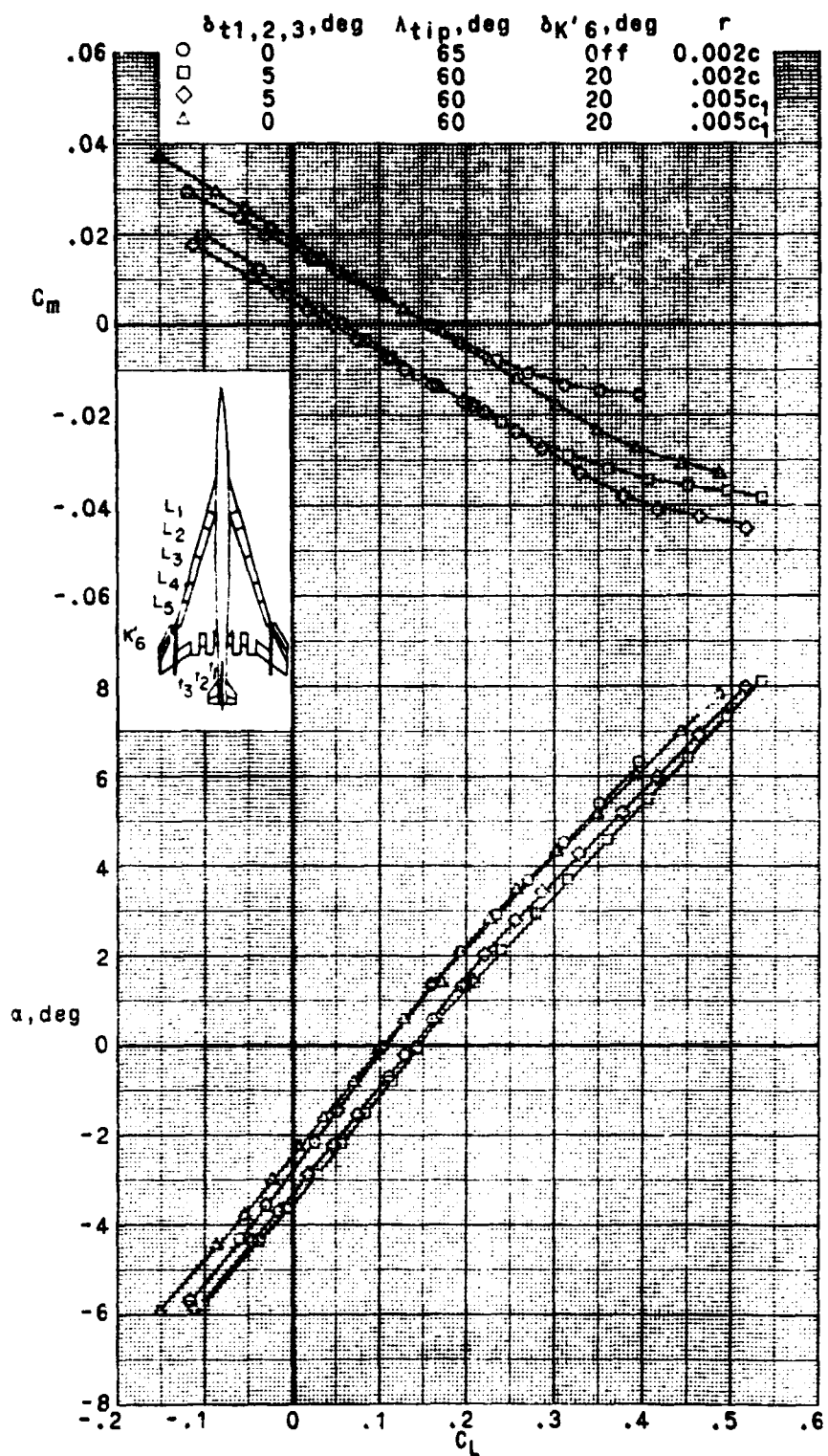


(c)  $M = 0.90$

Figure 11.- Continued



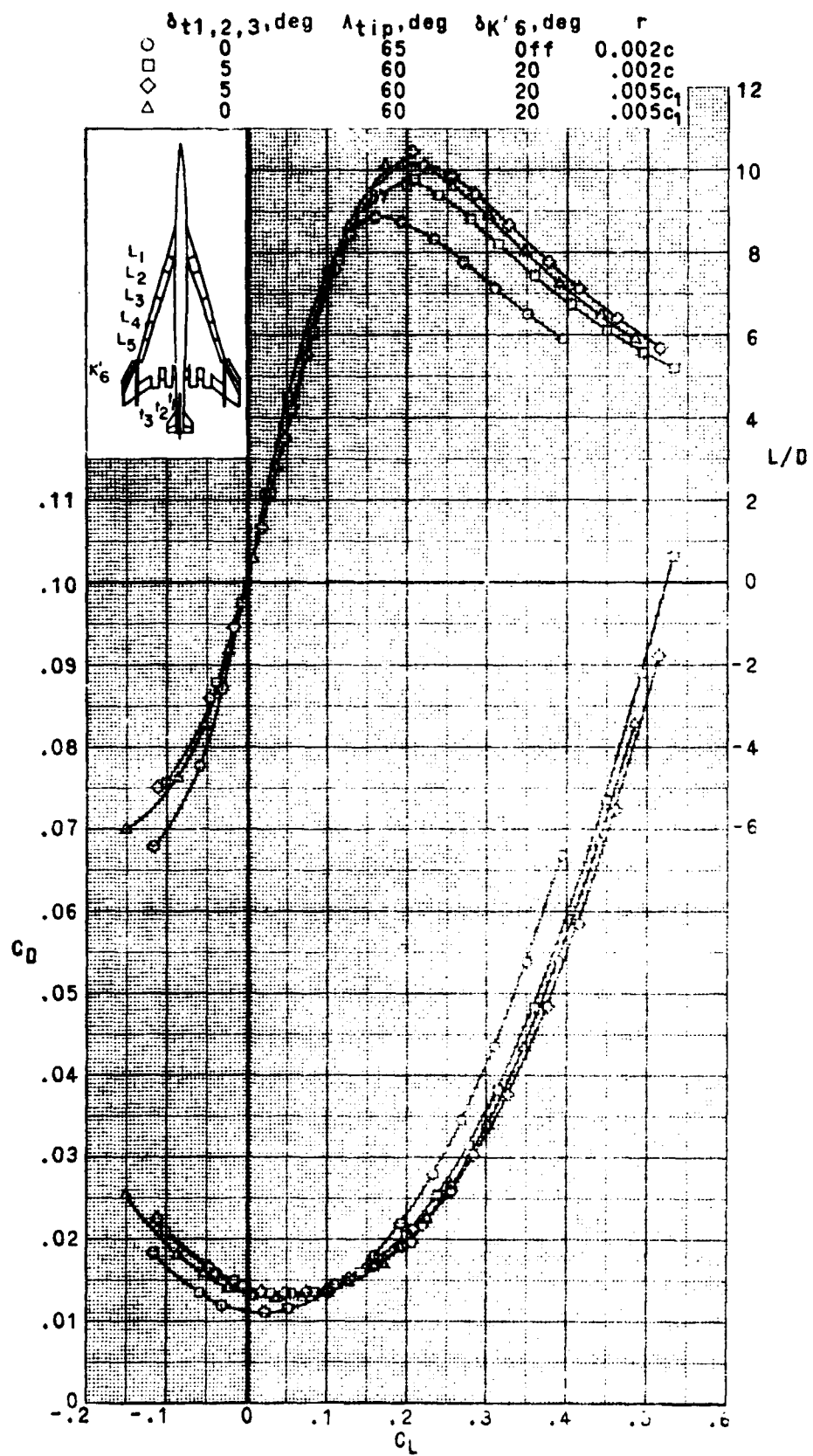
(c)  $M = 0.30$ , Conducted  
 Figure 11 - Cont'n



(d)  $M = 0.95$

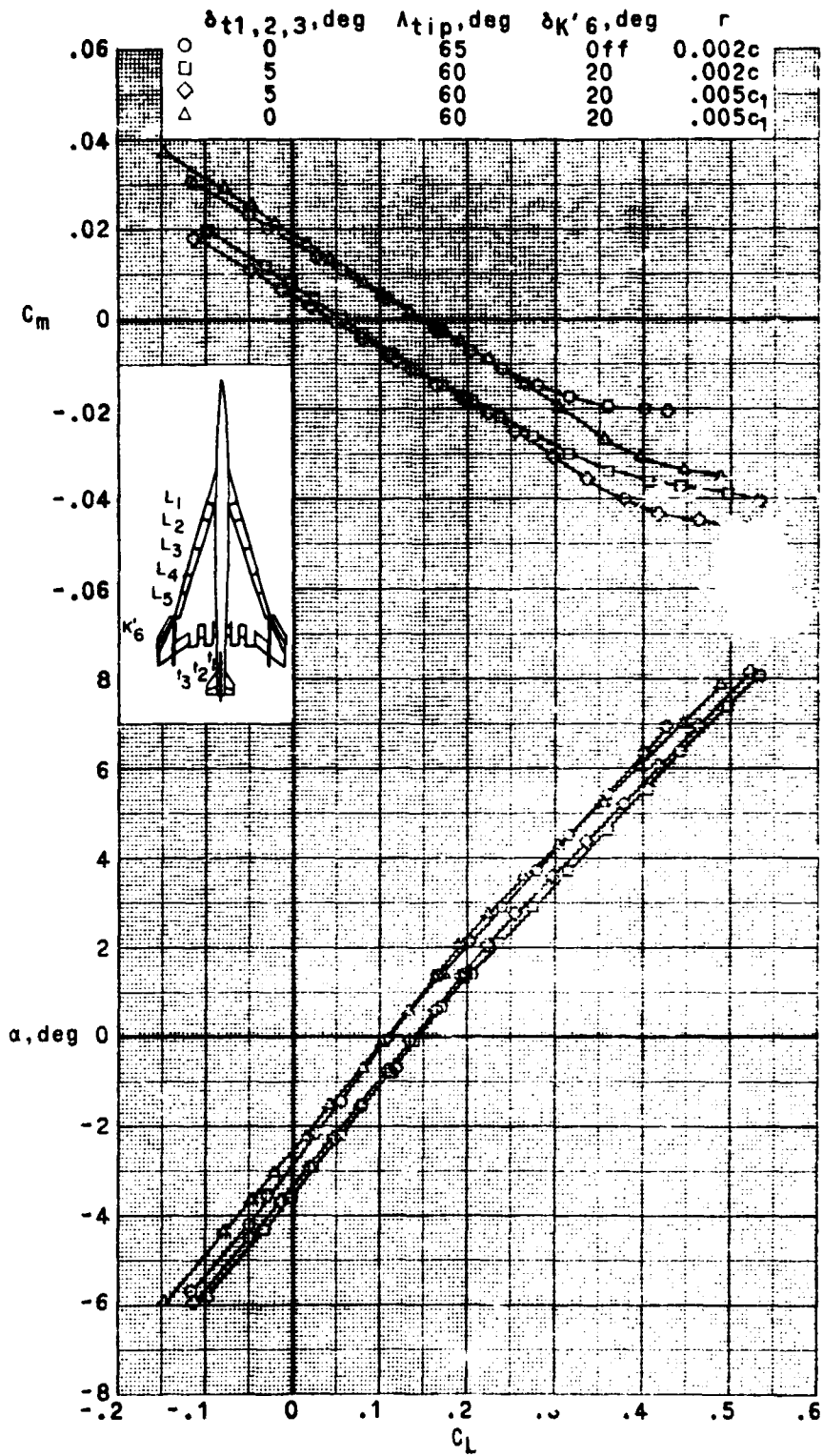
Figure 11





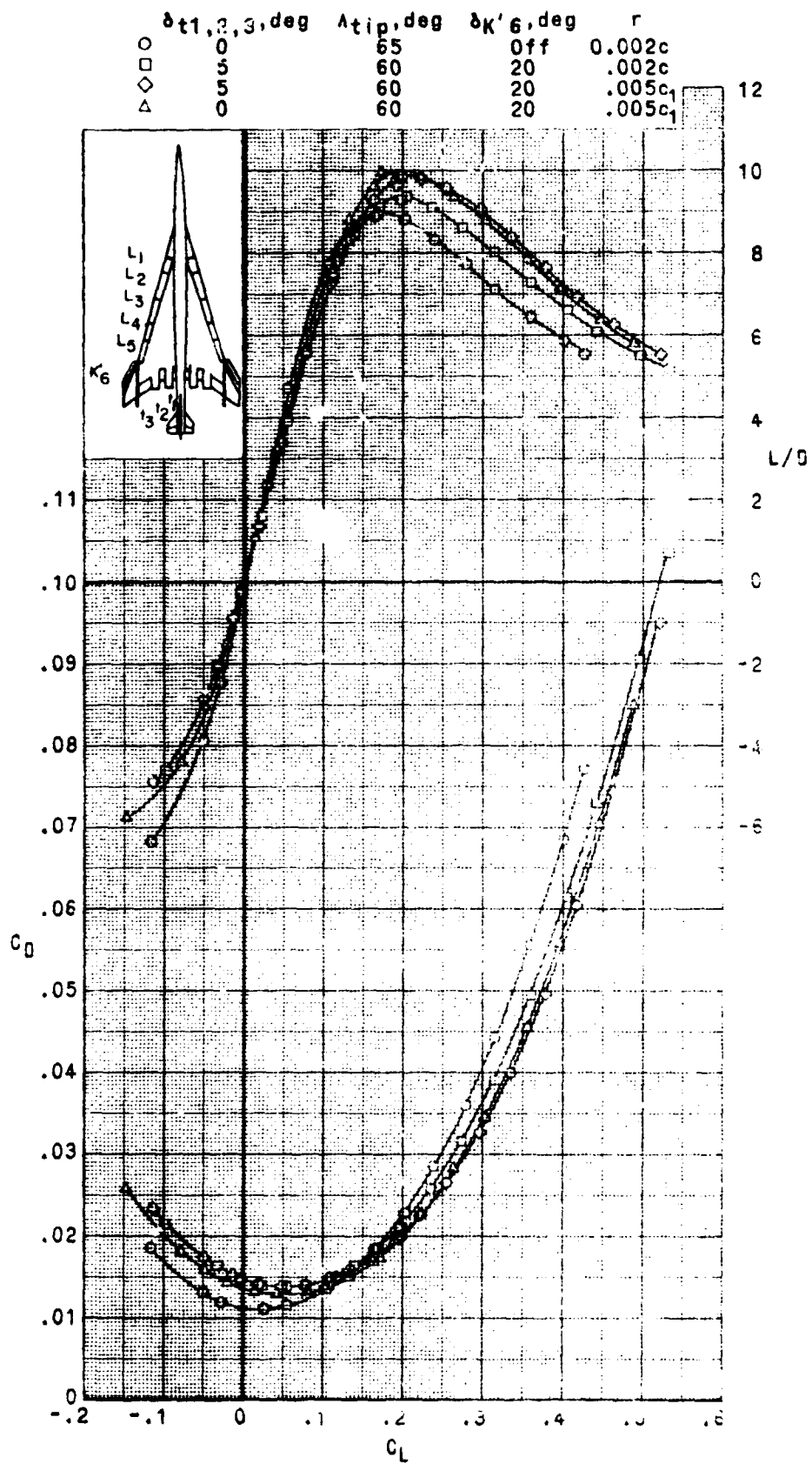
(d) M = 0.95 - Continued

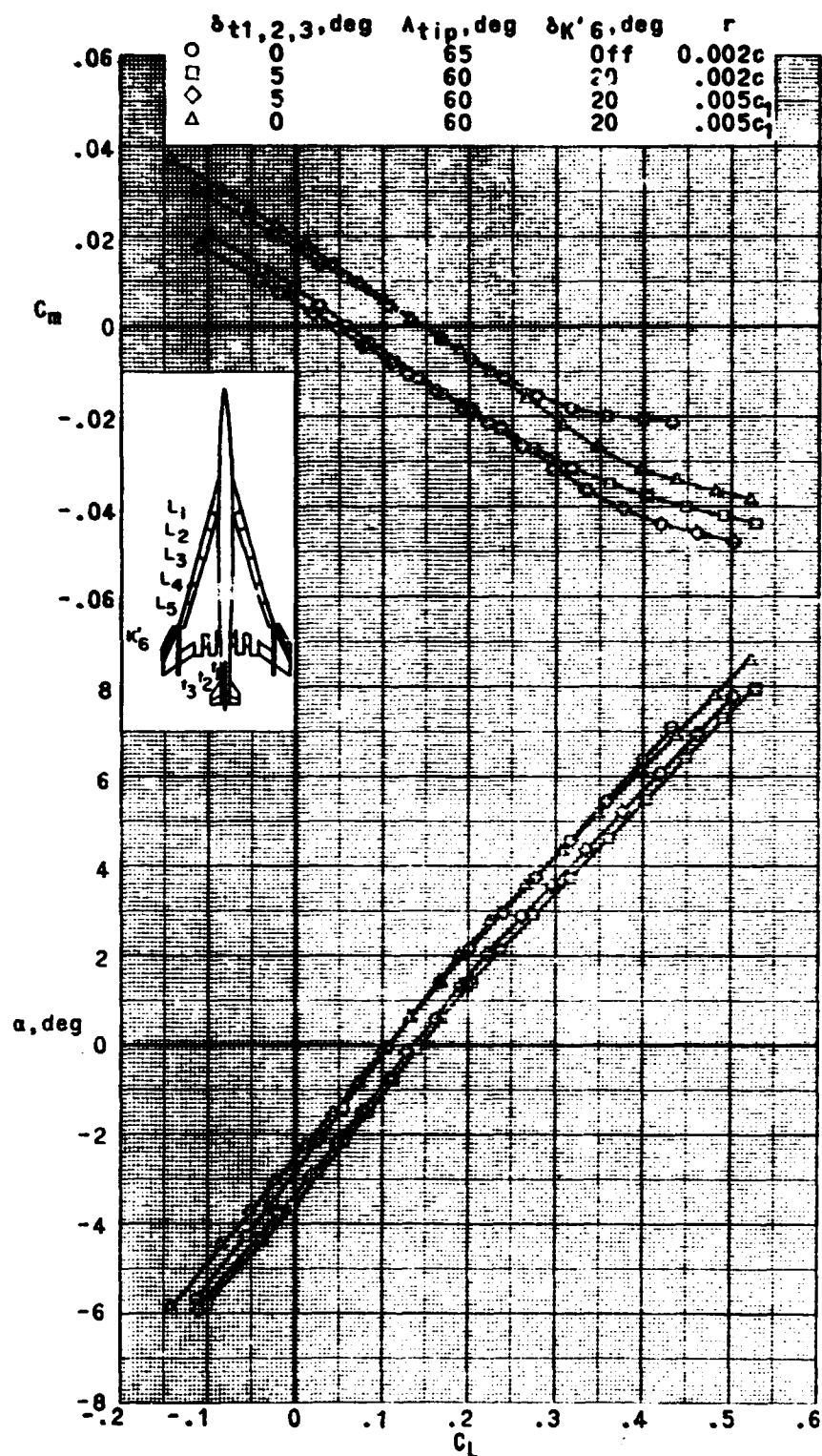
Figure 11 - Continued



(A. M. 11.1)  
 Figure 11 - Continued

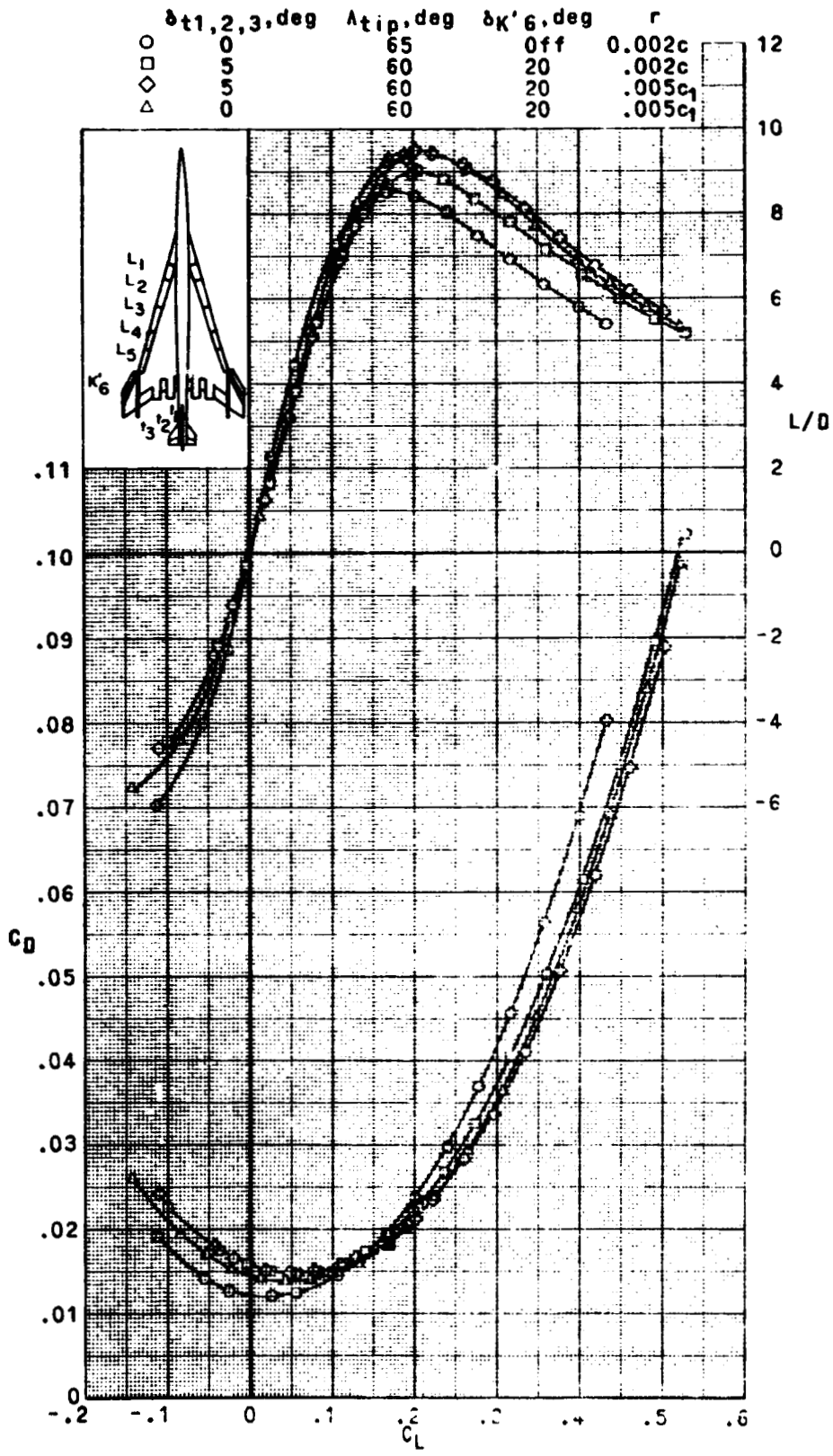
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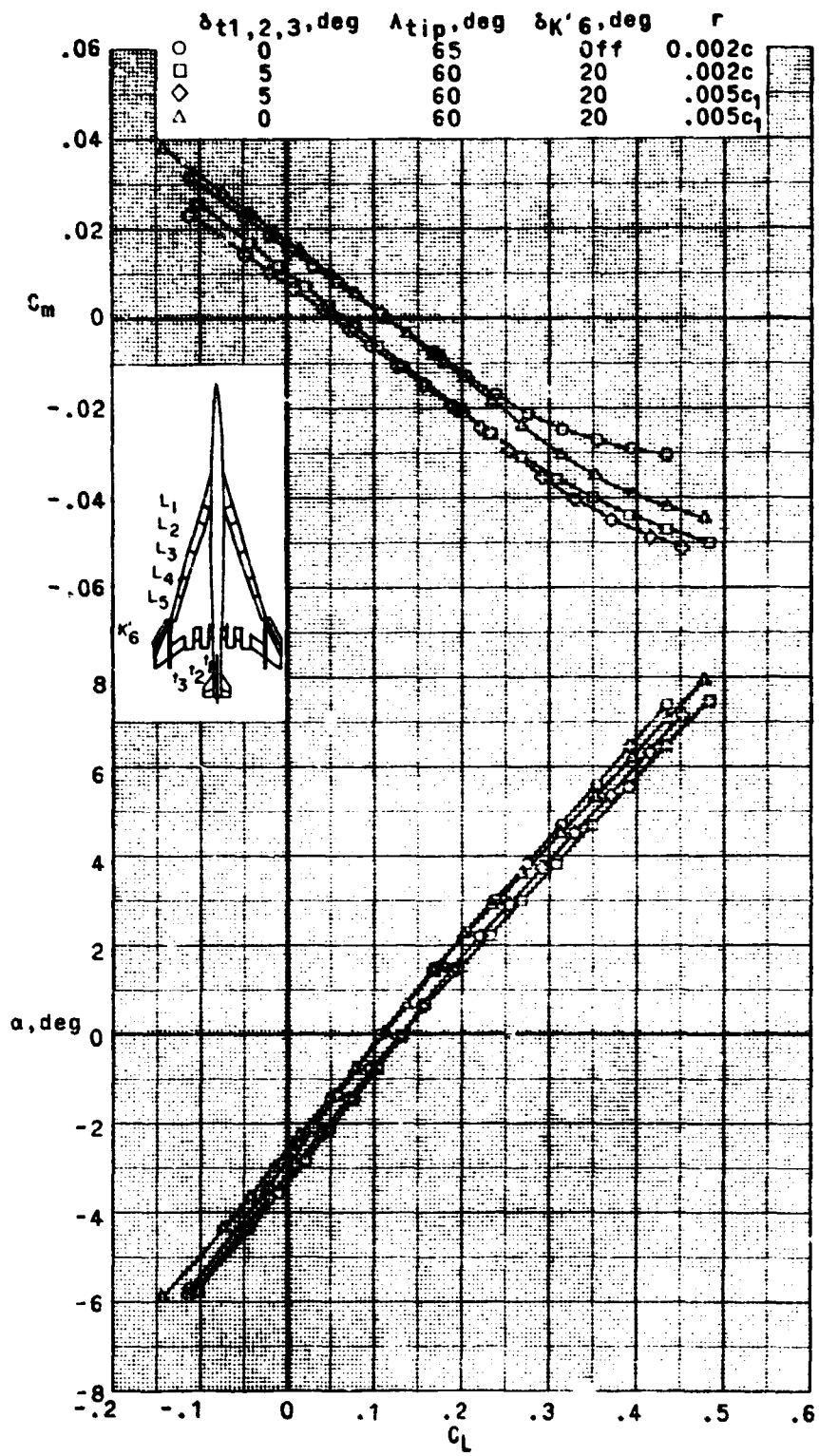


(M) M : 1.00  
 Figure 11.- Continued.

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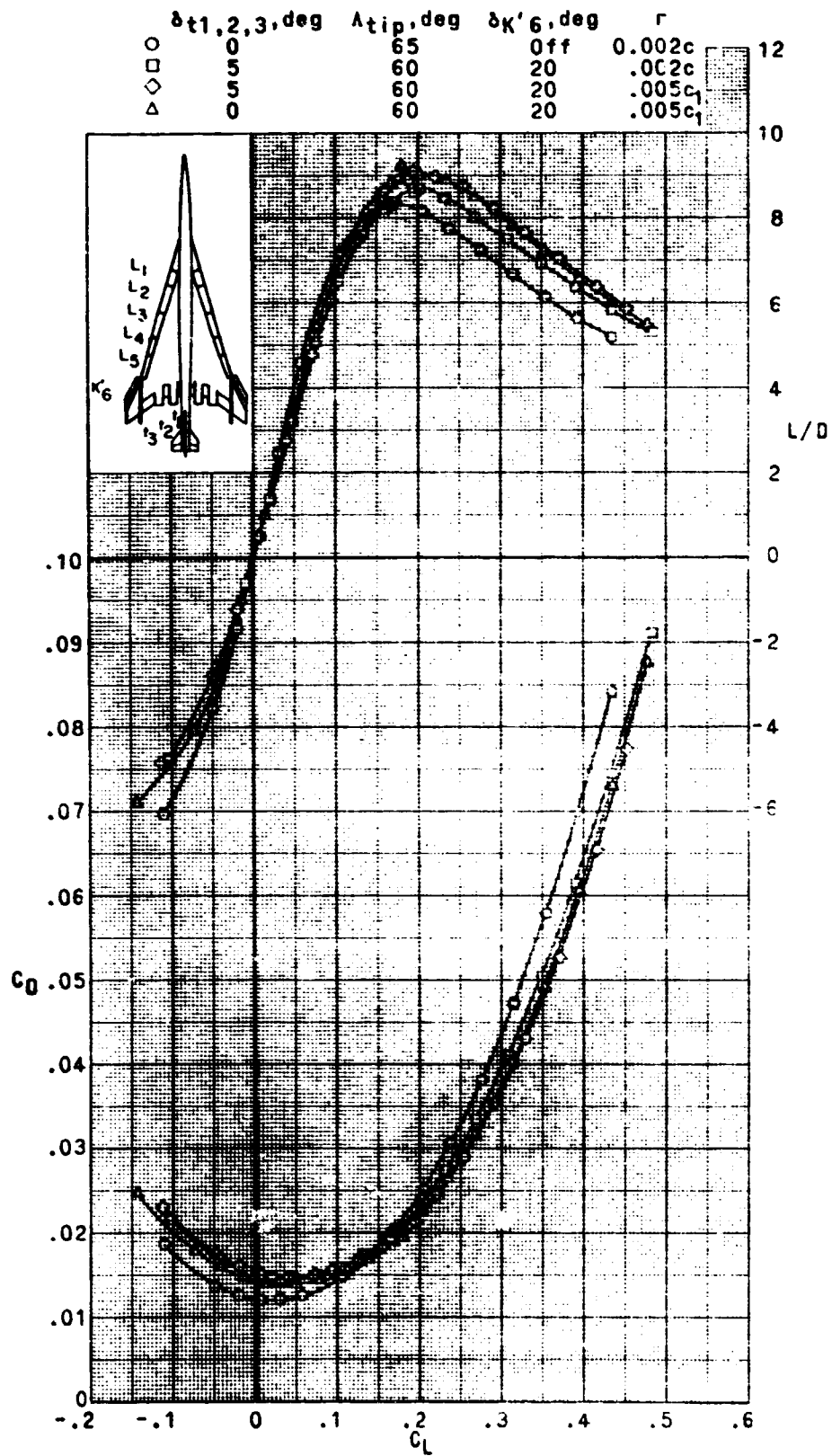


(II) M. 105 - Continued  
Figure 11 - Continued



(c) M 120.  
Figure 11.- Continued

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(g) M - 120. Concluded

Figure 11. - Concluded

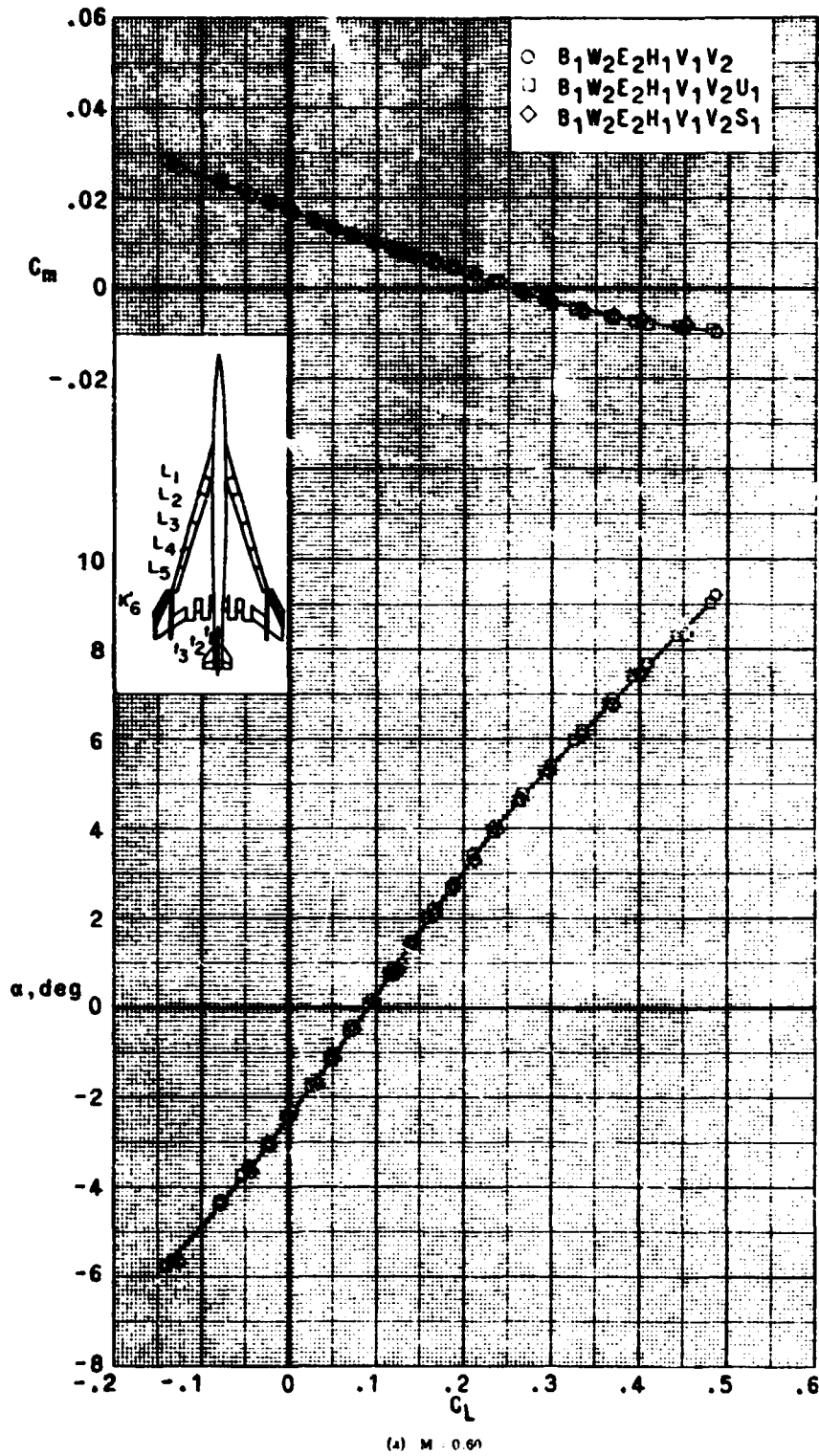
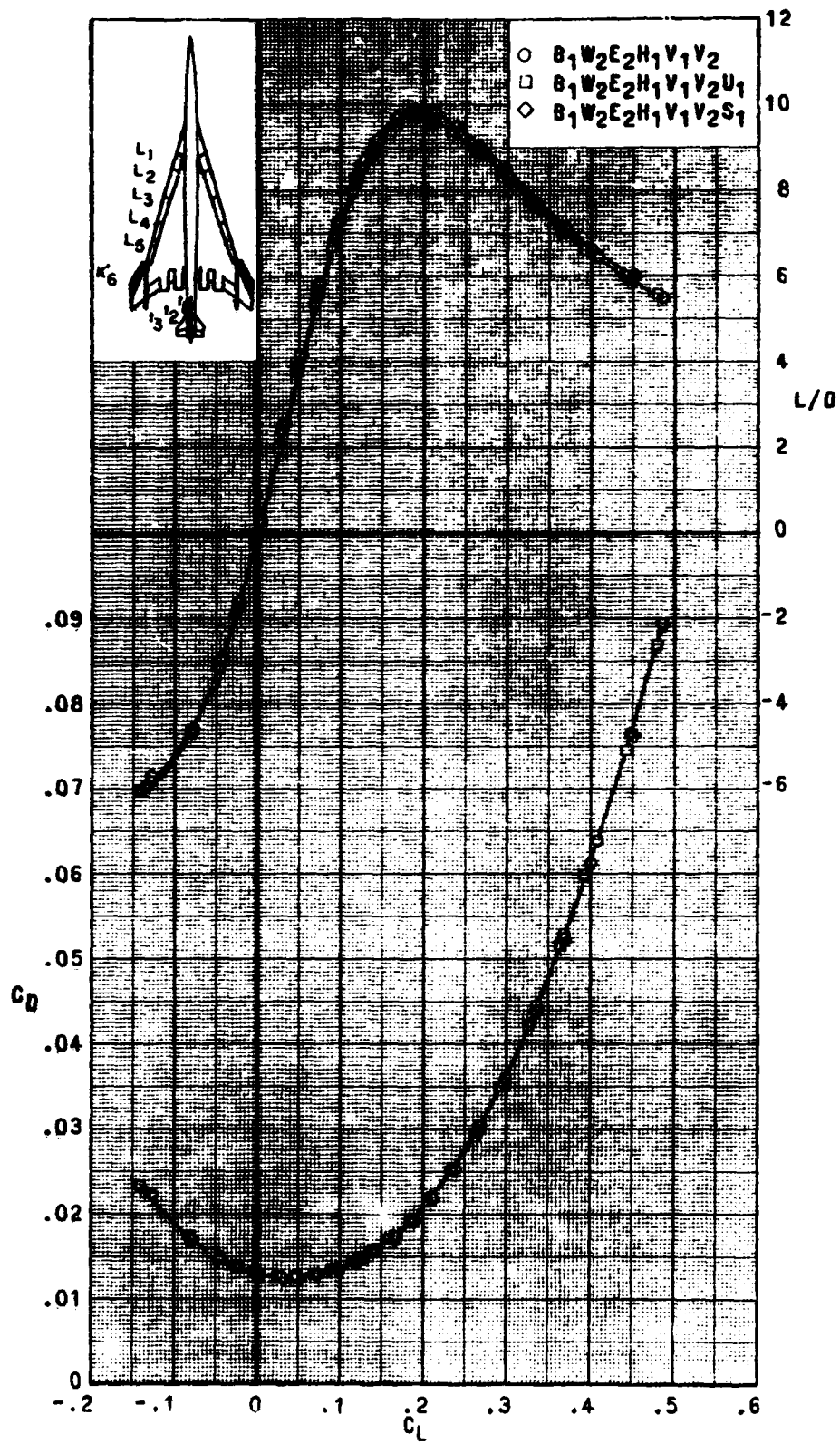


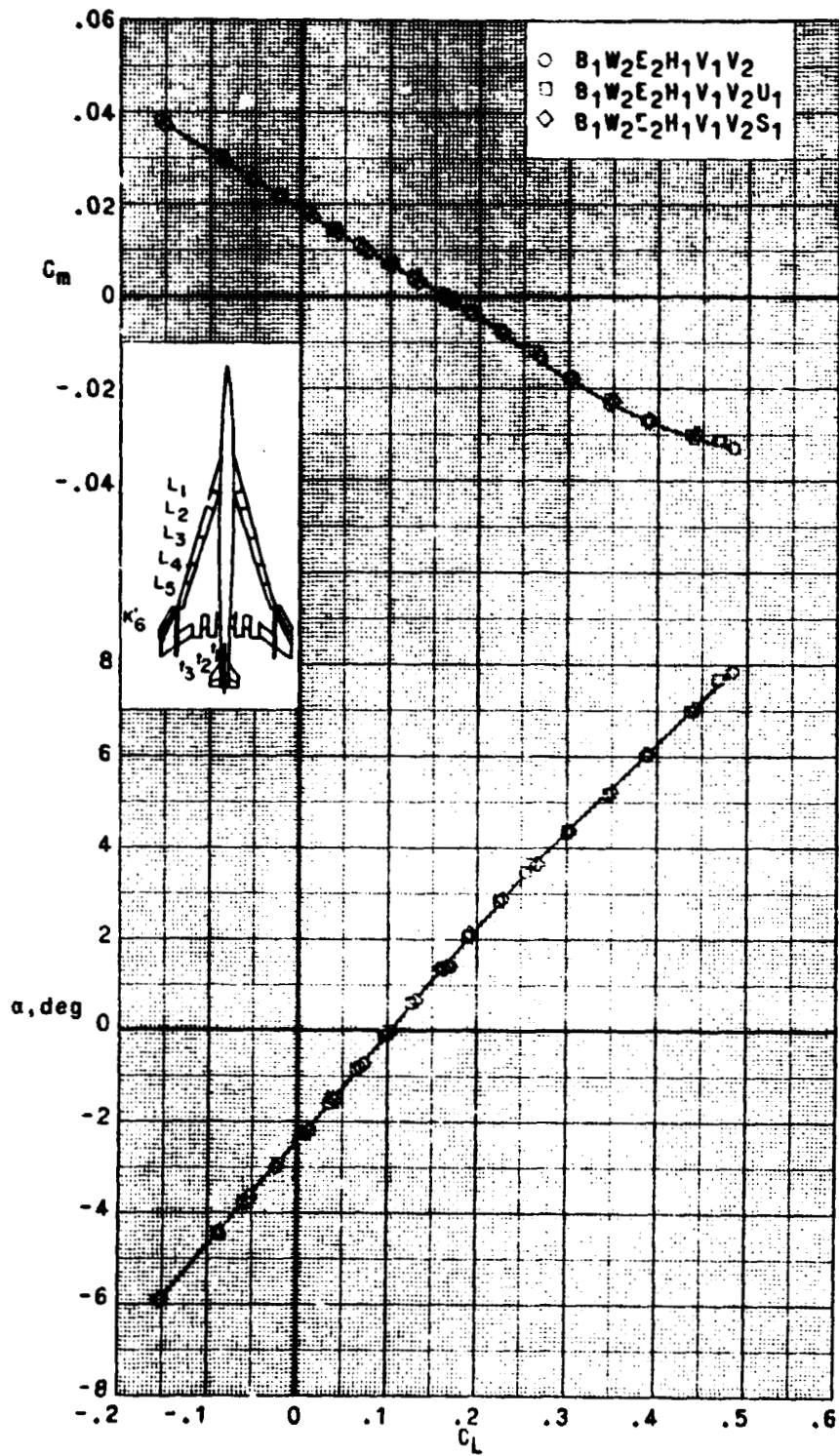
Figure 12.- Effects of centerline ventral fin and strakes on the longitudinal aerodynamic characteristics.  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{L1,2,3} = 0^\circ$ ;  $\delta_{tip} = 60^\circ$ ;  $\delta_{K6} = 20^\circ$ .





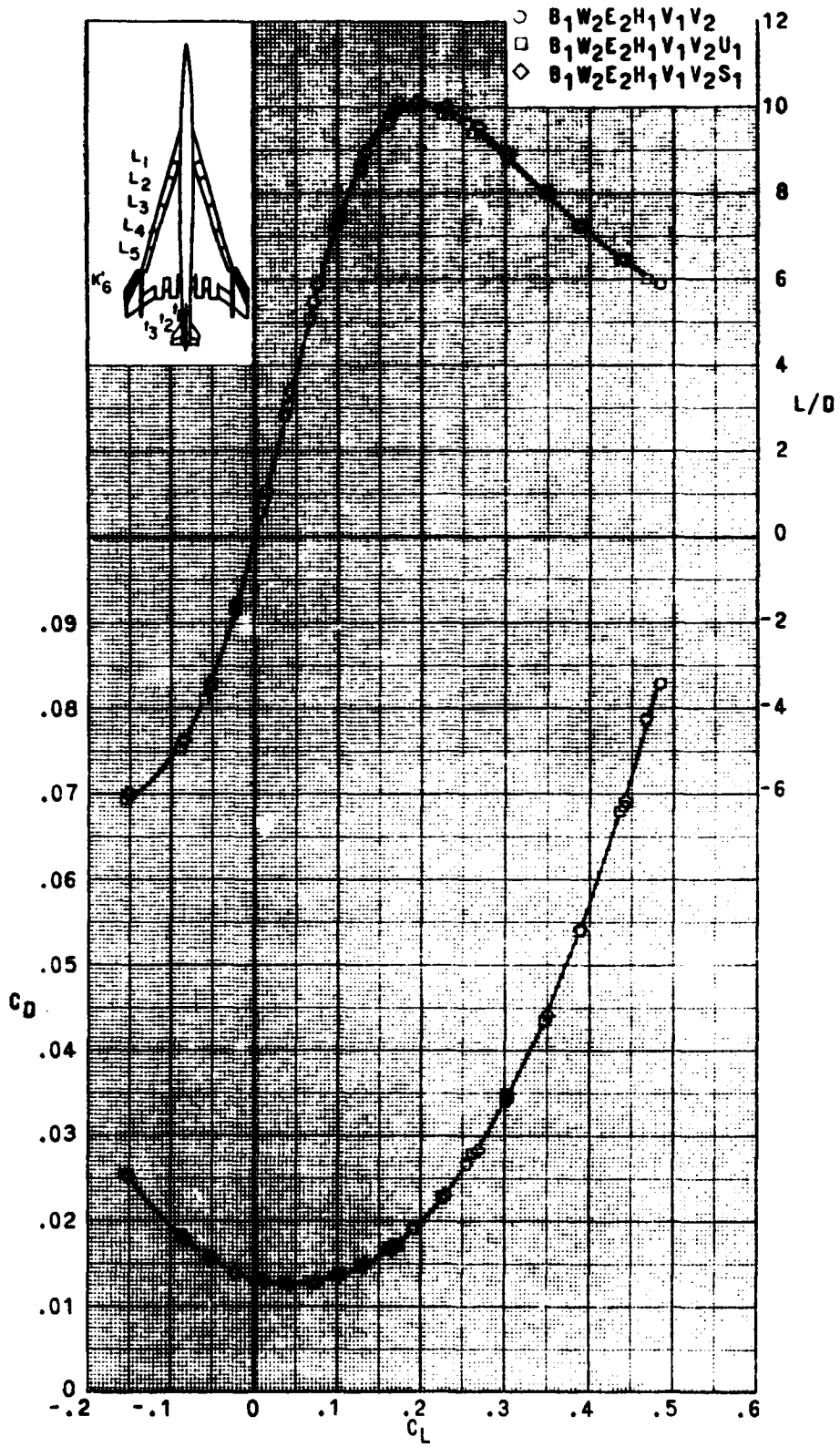
(a)  $M = 0.60$ . Concluded.

Figure 12.- Continued



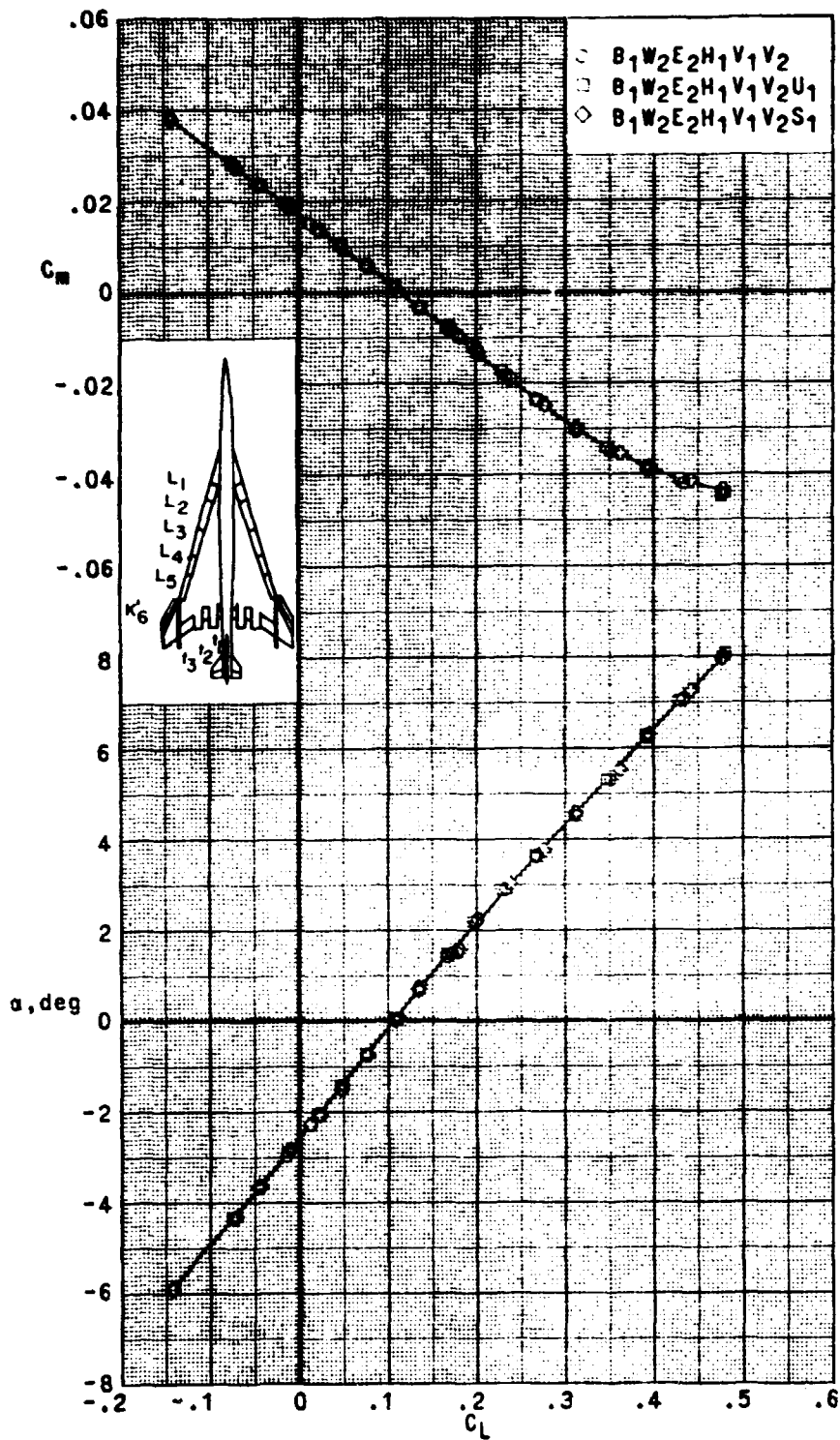
(b)  $M = 0.95$ .

Figure 12.- Continued.



(b)  $M = 0.95$ . Concluded.

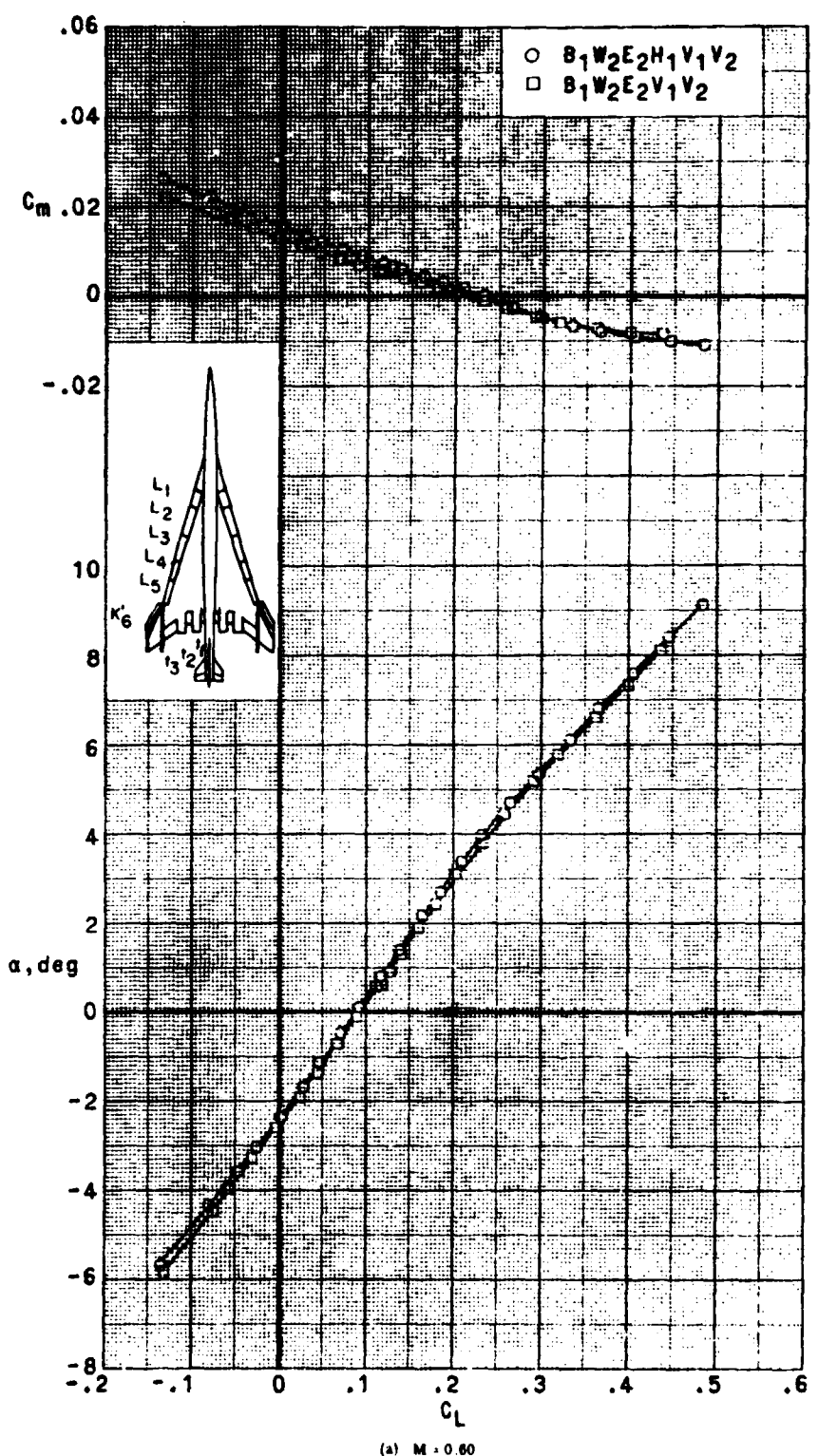
Figure 12.- Continued



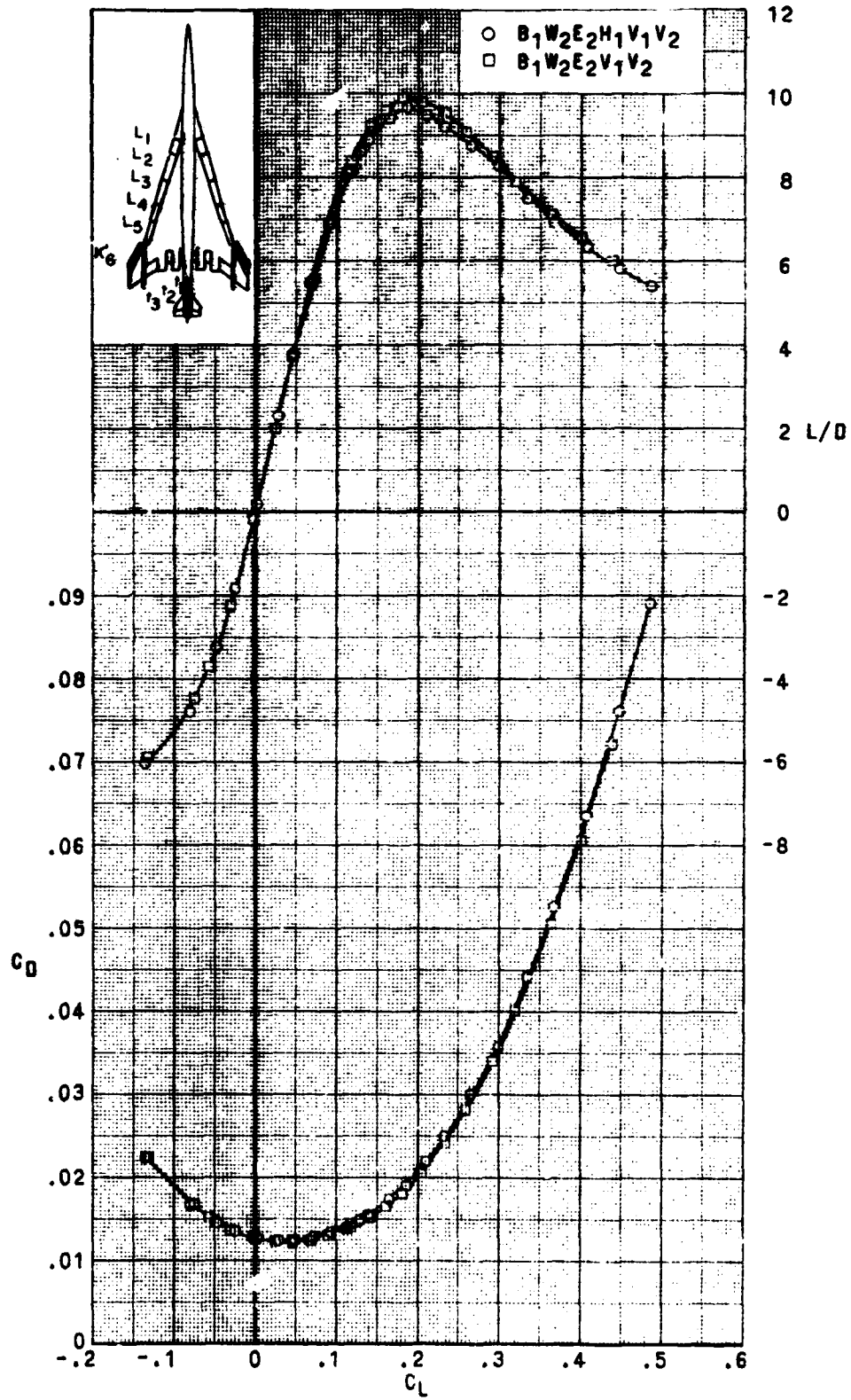
(c)  $M = 1.20$   
 Figure 12. (continued)

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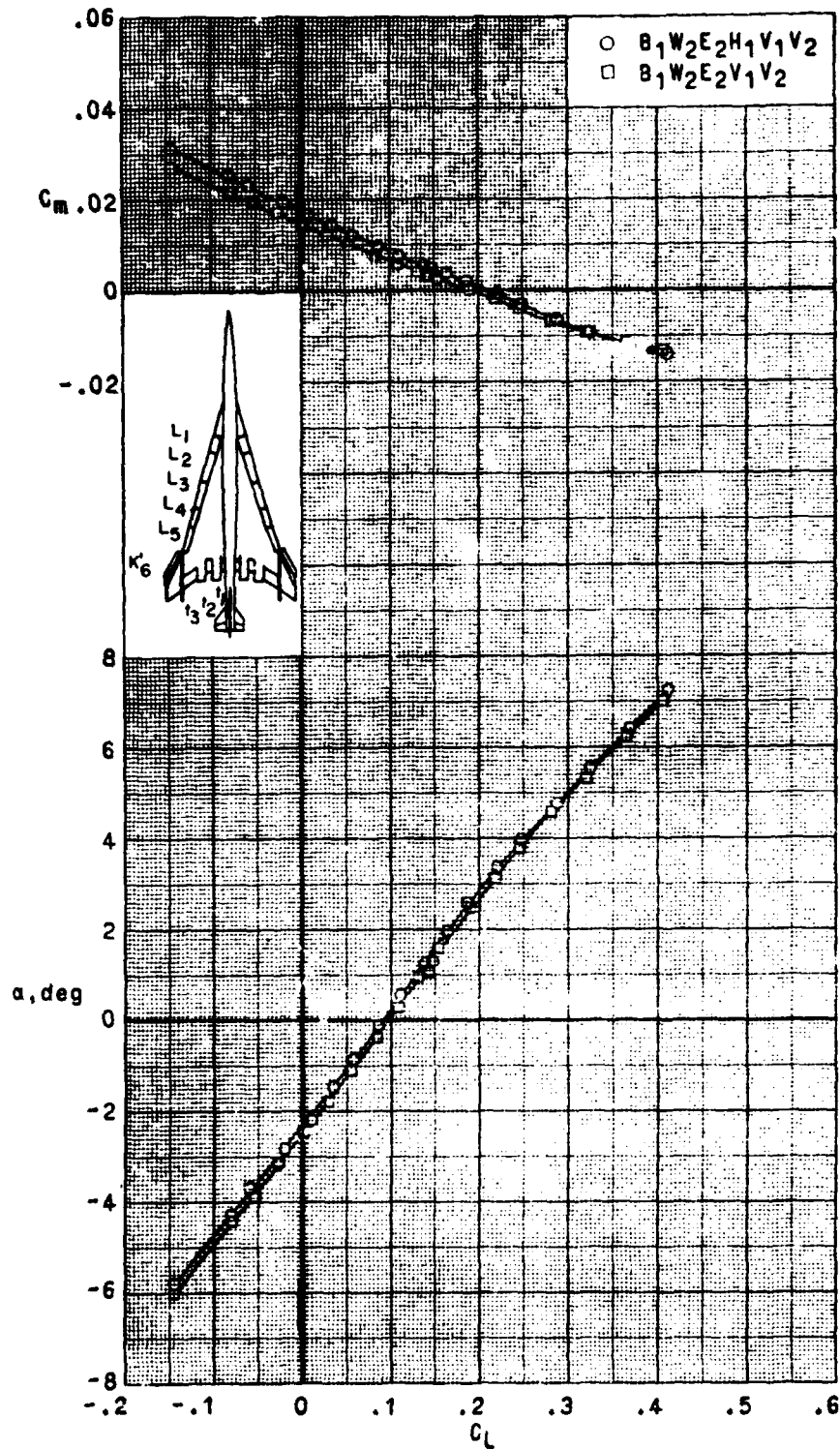


(a)  $M = 0.60$   
 Figure 13.- Effects of horizontal tail on the longitudinal aerodynamic characteristics.  
 $L_{1,2,3,4,5} = 0^\circ$ ;  $L_{1,2,3} = 0^\circ$ ;  $L_{4,5} = 60^\circ$ ;  $K_6 = -20^\circ$



(a)  $M = 0.60$ . Concluded.

Figure 13.- Continued.

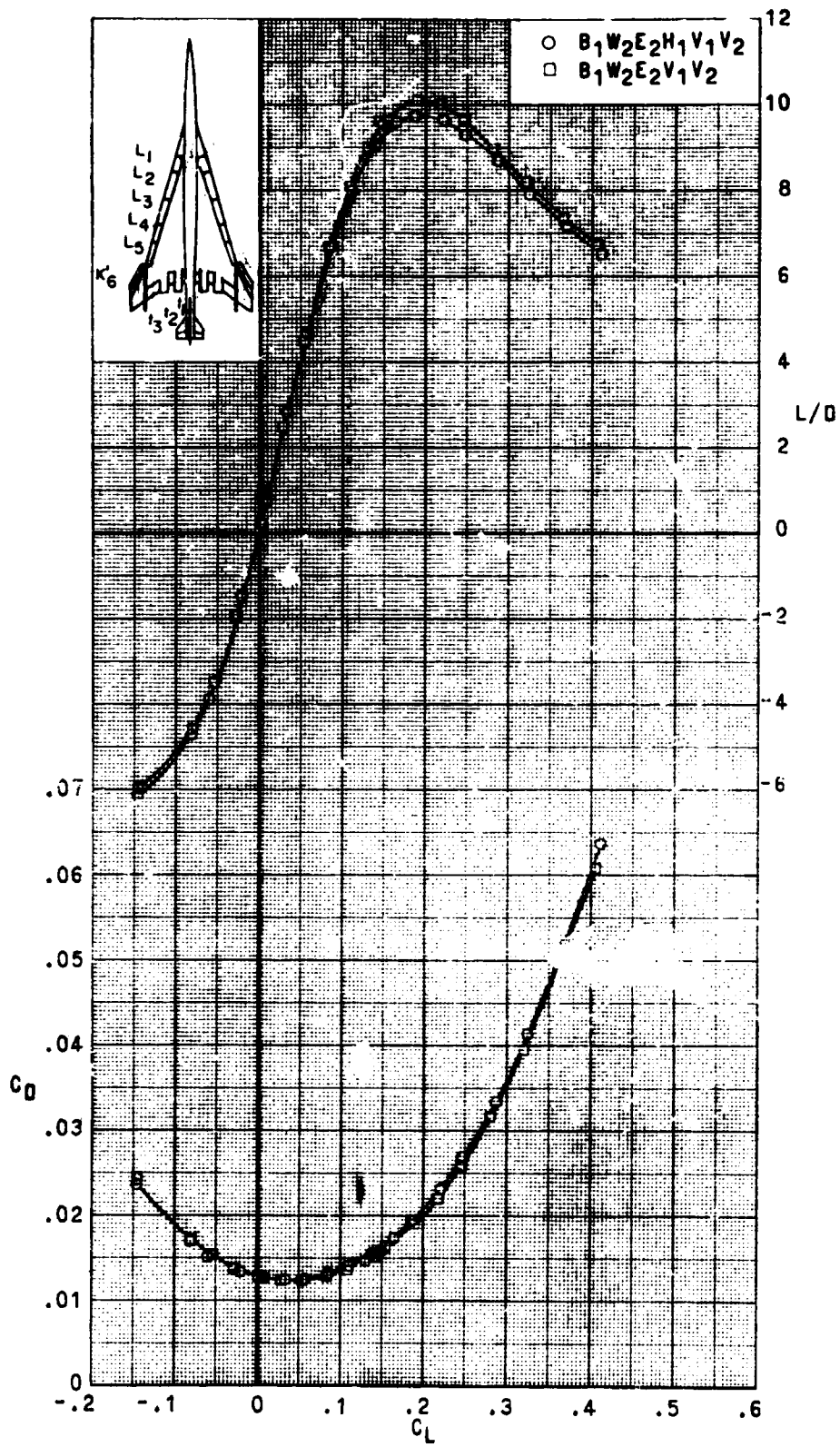


(b)  $M = 1.80$

Figure 13. - Continued.

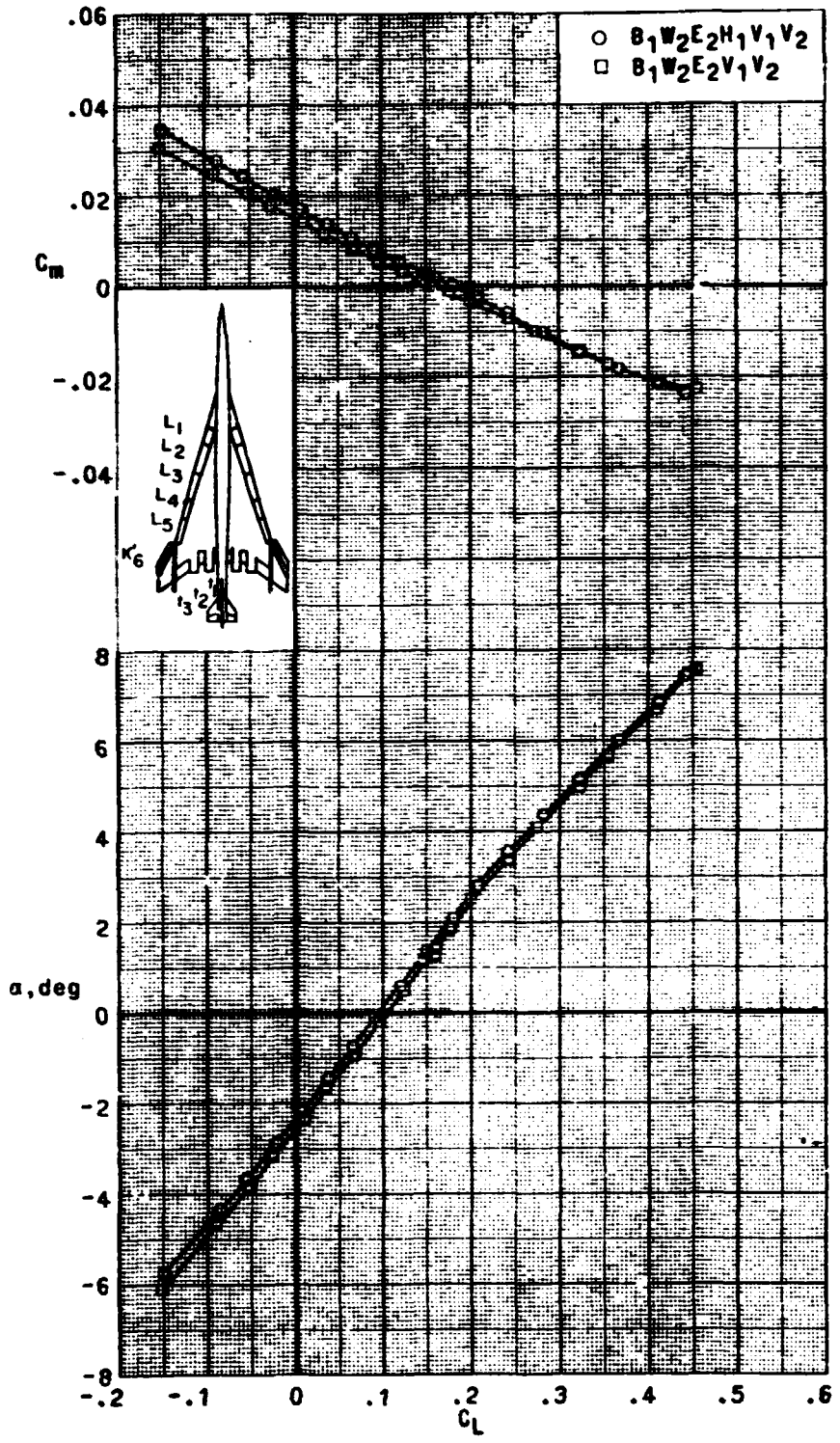
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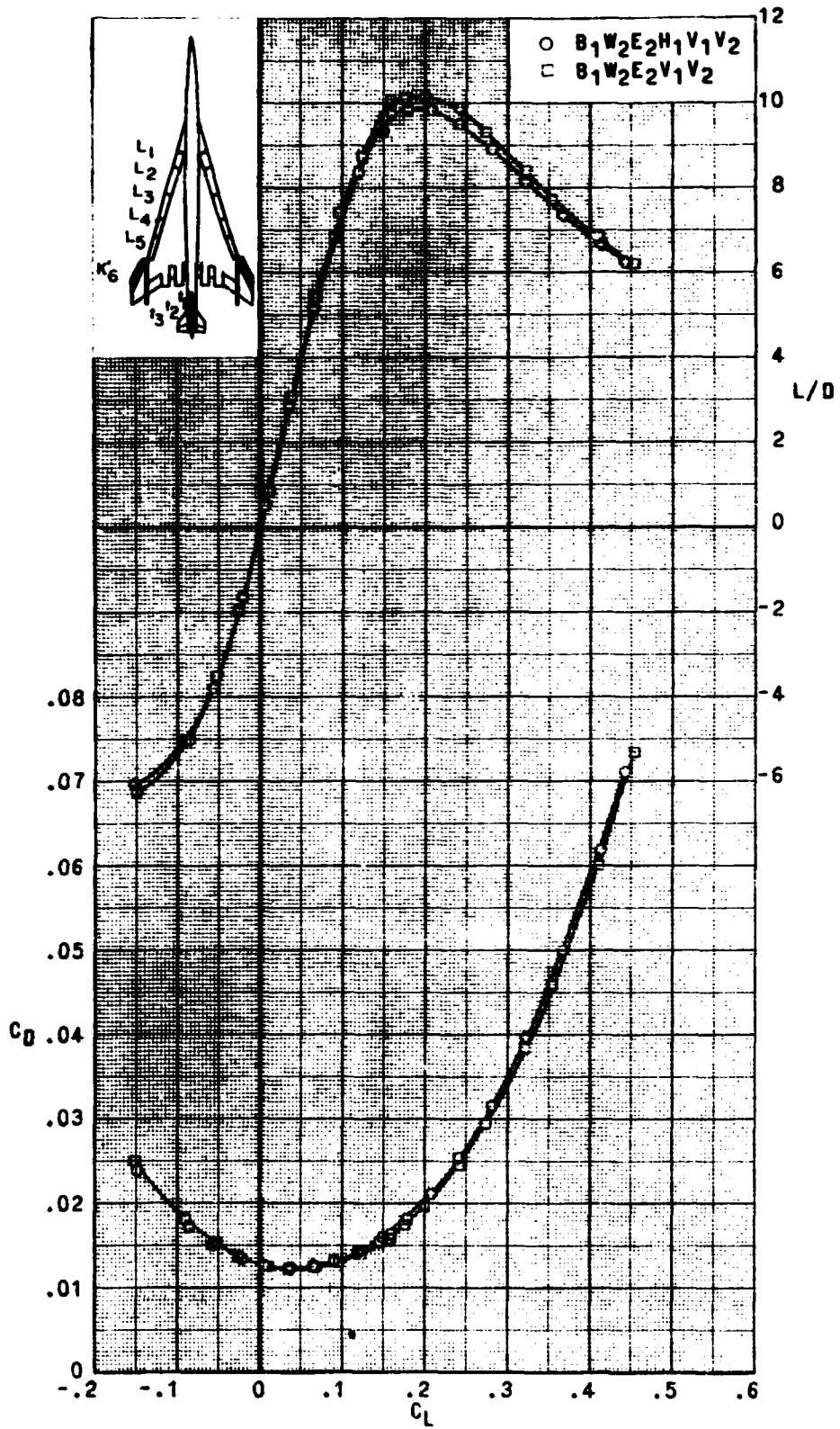
(b)  $M = 0.80$  Concluded

Figure 13.- Continued



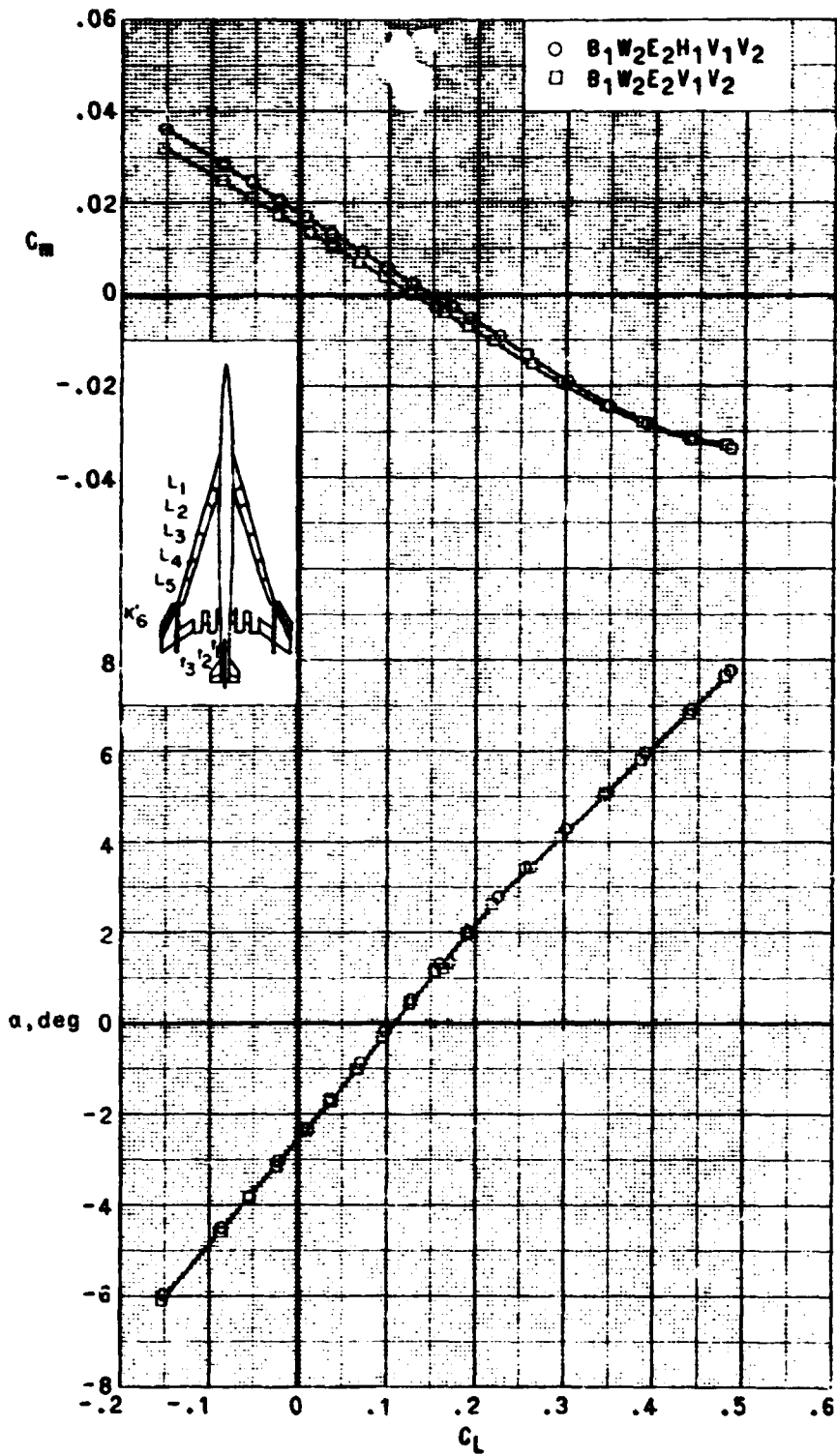
(c) M 0.90  
 Figure 13 - Continued.

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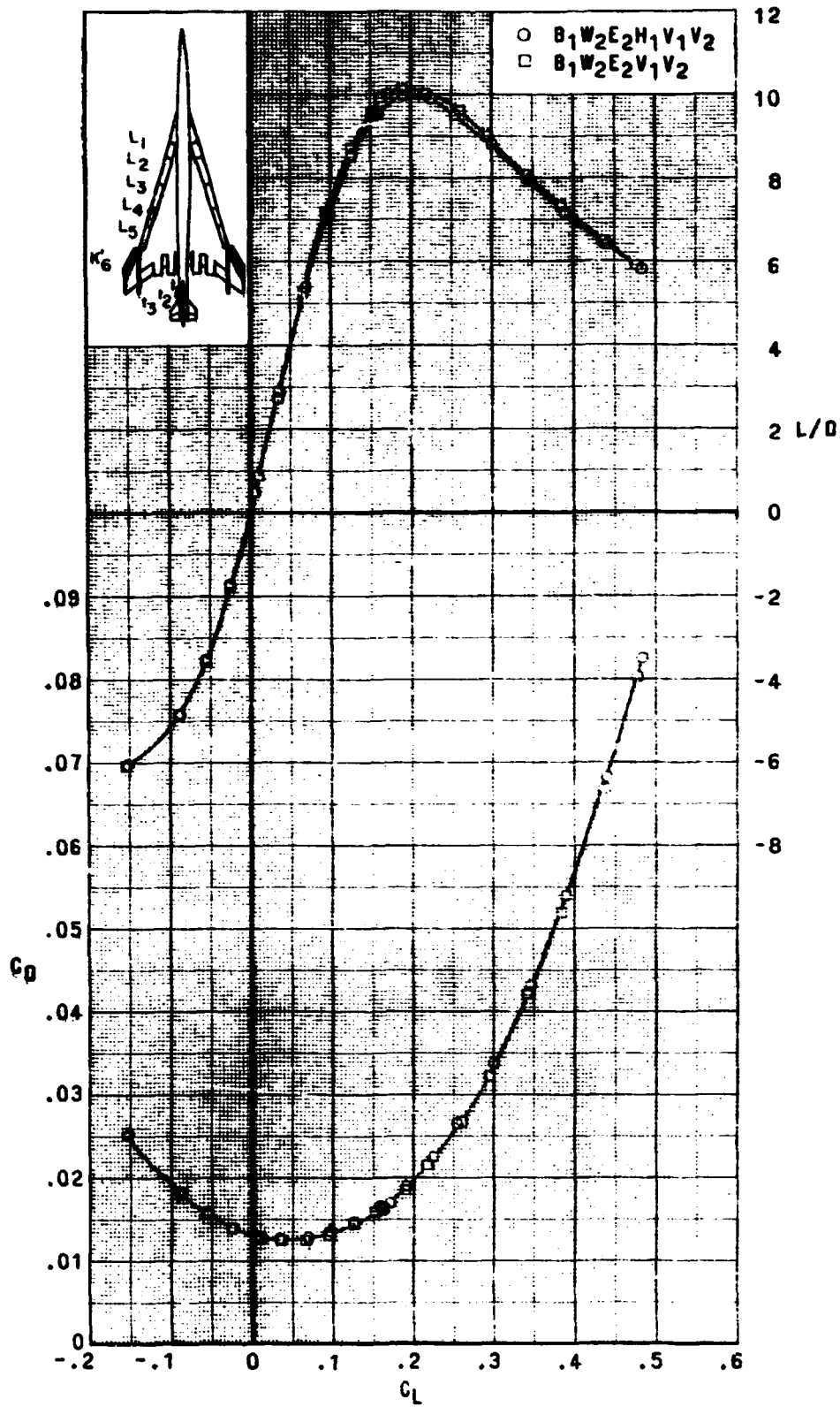


(c) M 0.30. Concluded.

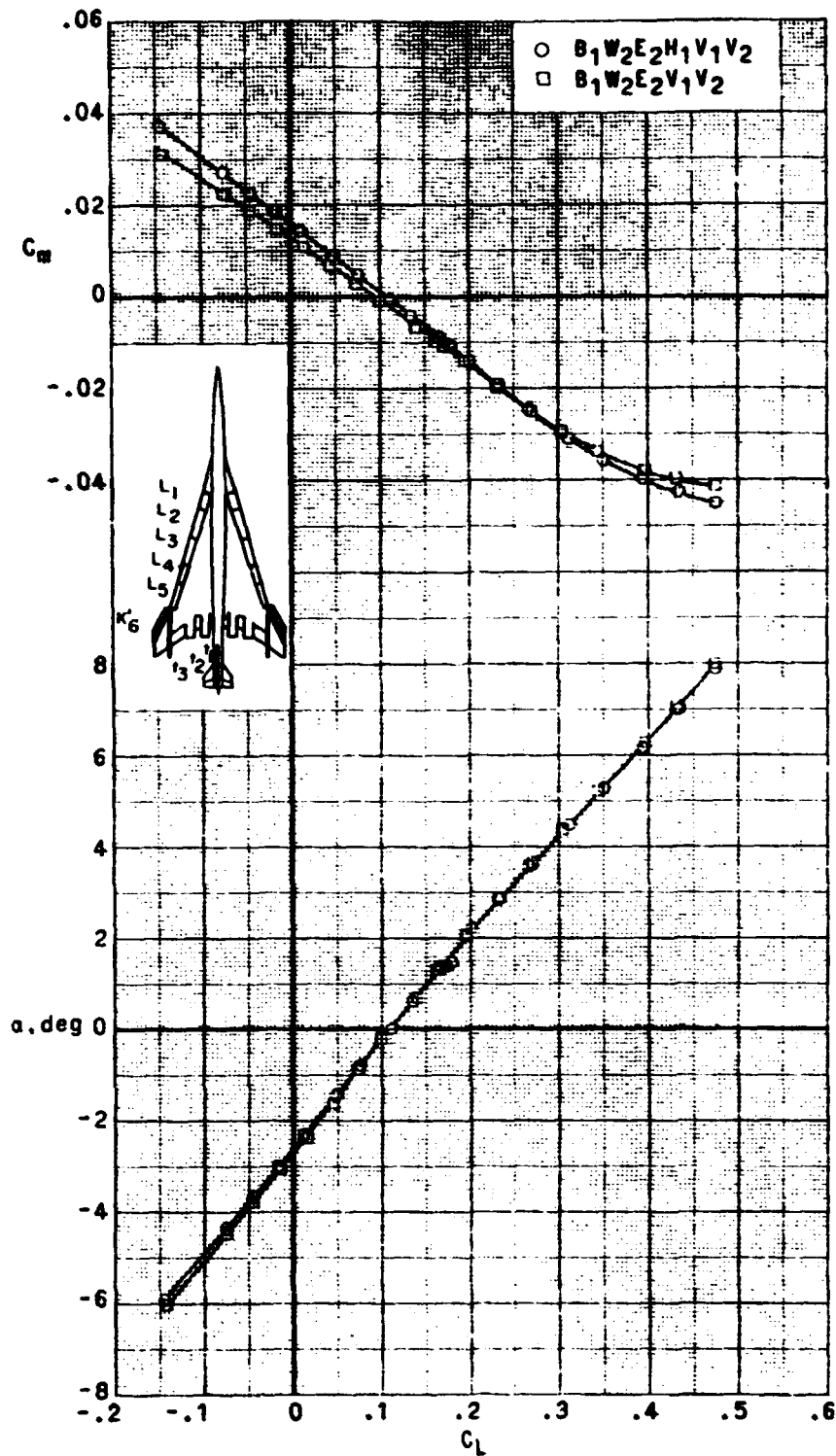
Figure 13.- Continued.



(d) M 095  
Figure 13.- Continued.

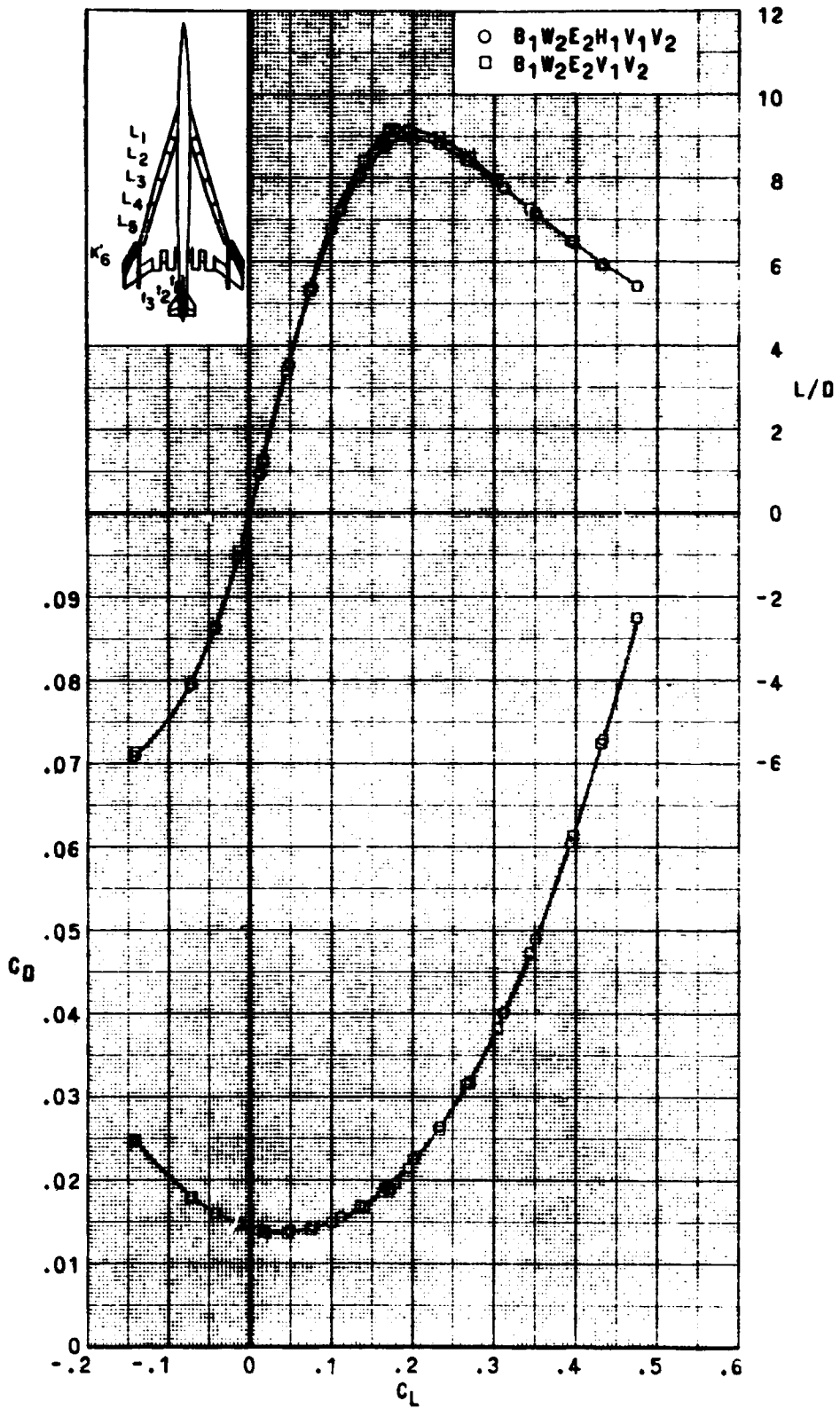


(d)  $M = 0.95$  Continued.  
Figure 13 - Continued.



(e) M = 20.  
Figure 13 - Continued

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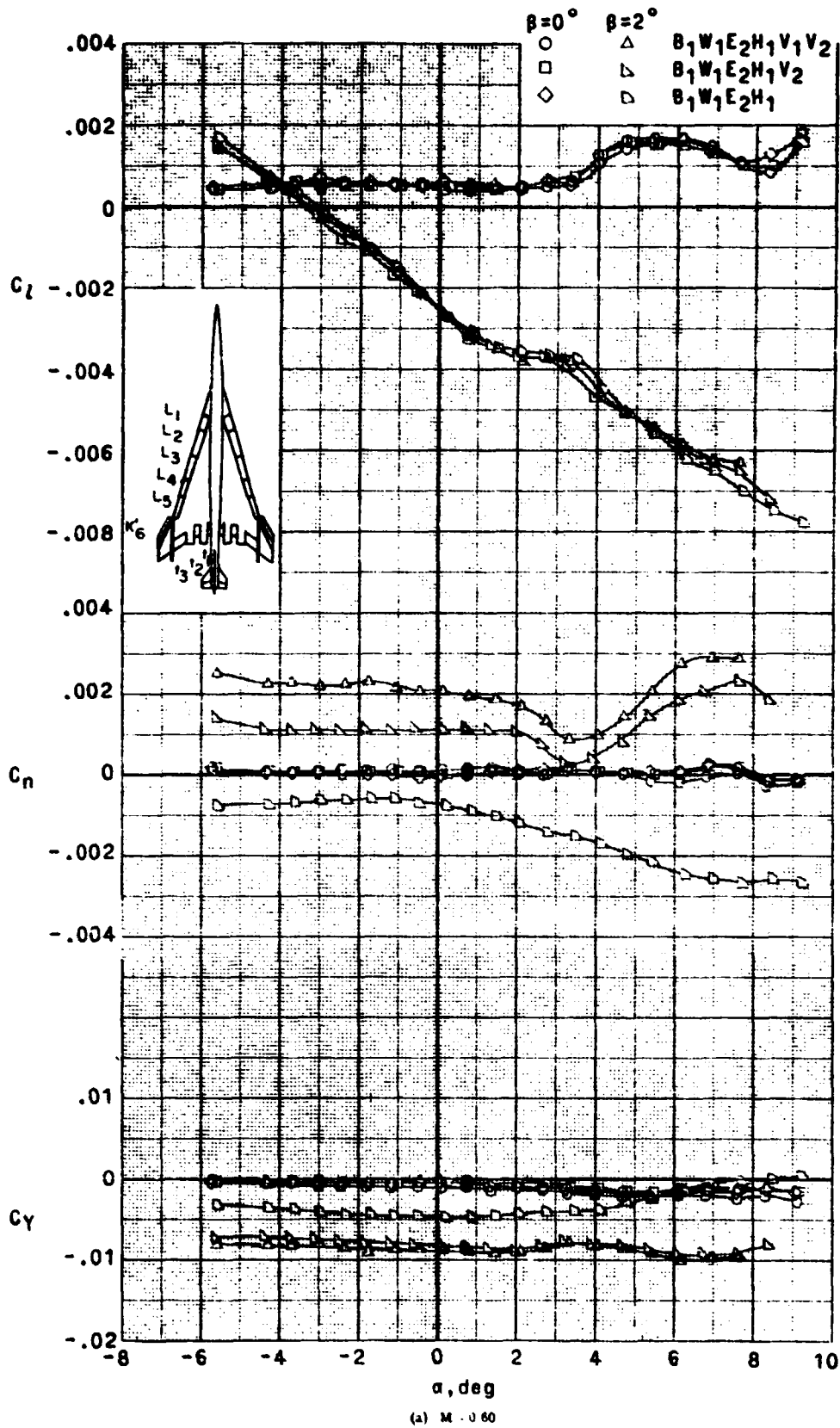
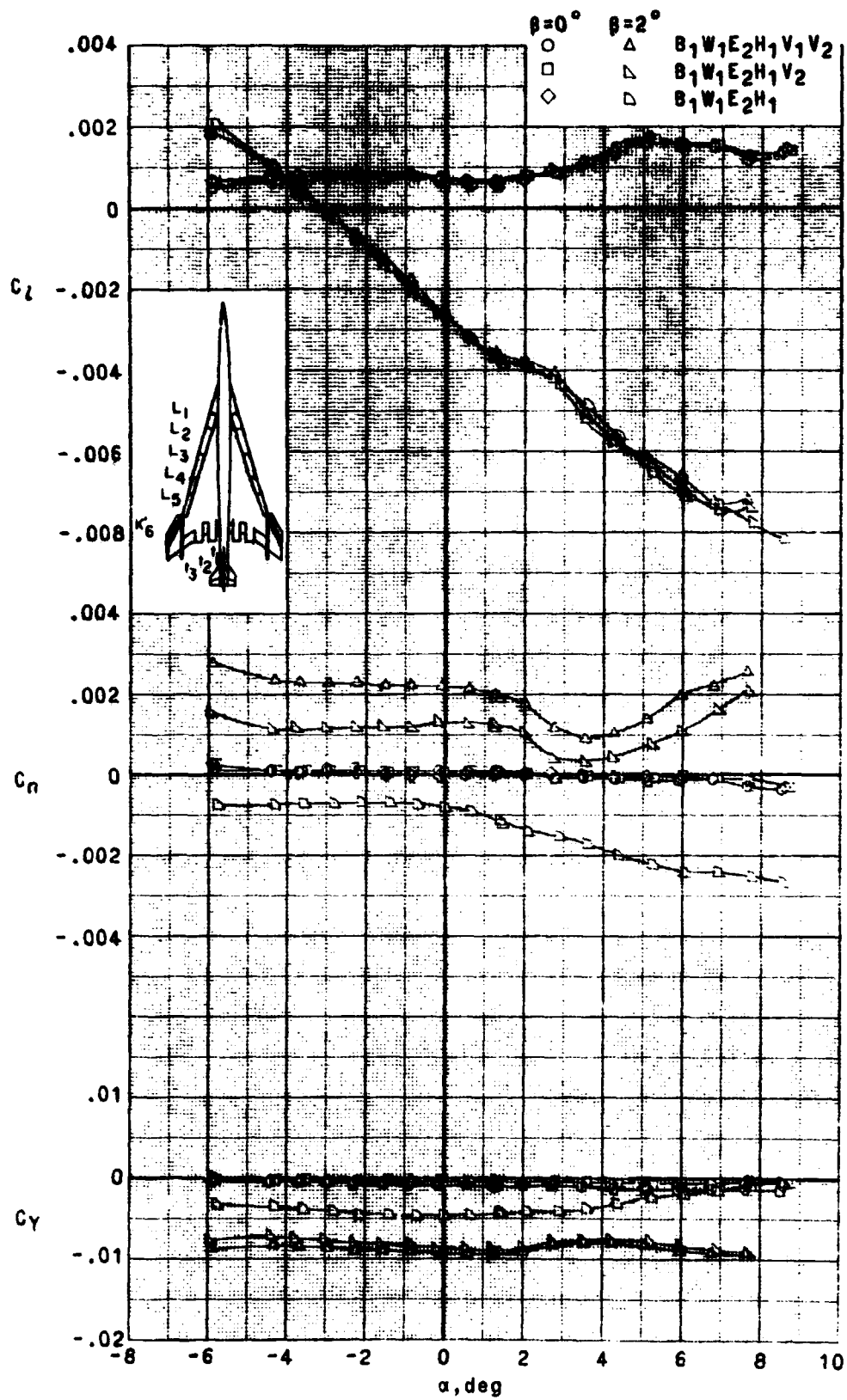


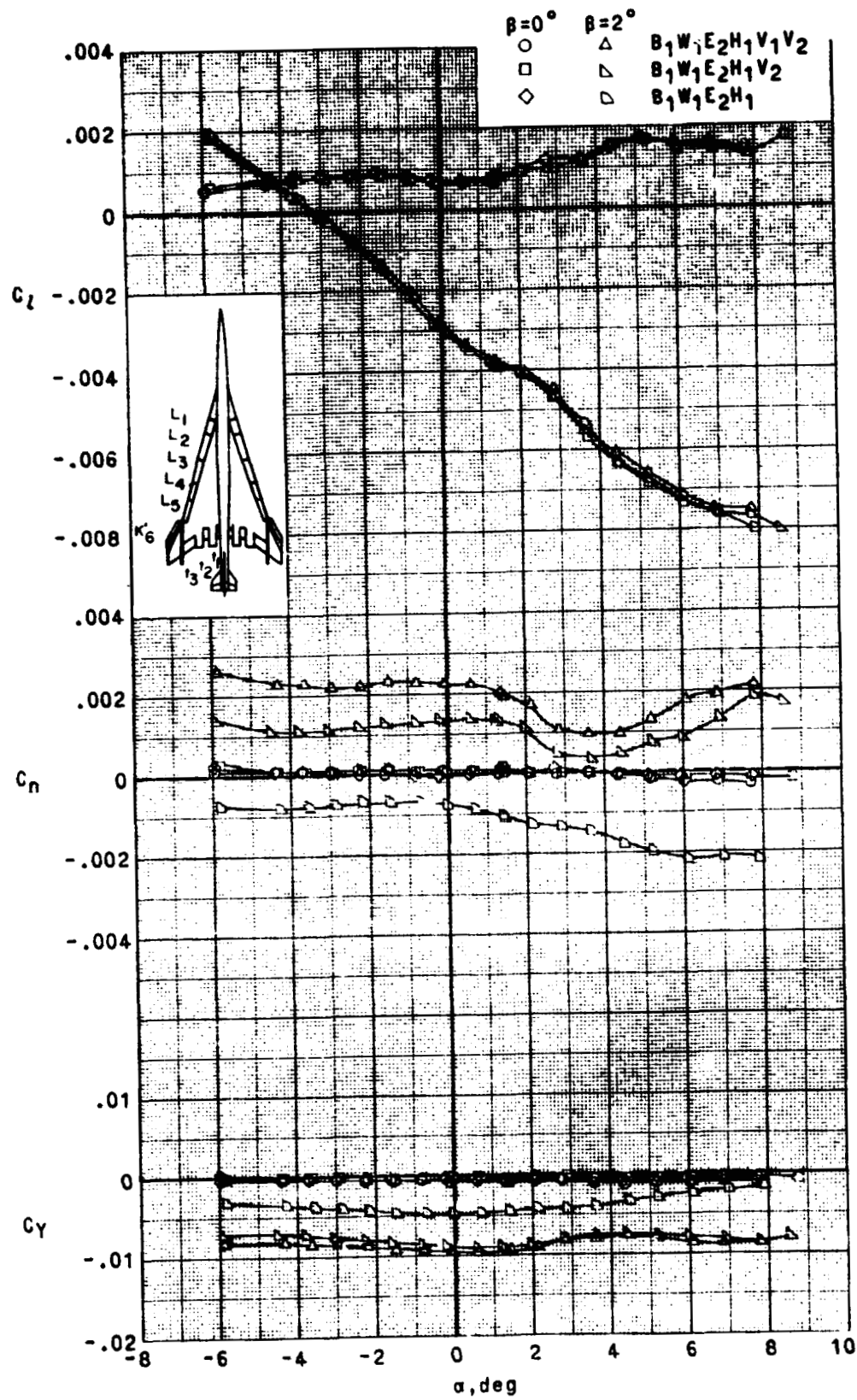
Figure 14 - Effects of center line and outboard vertical tails on the lateral directional aerodynamic characteristics  $K_6 = 20^\circ$   $L_{1,2} = 15^\circ$   $L_{3,4,5} = 0^\circ$   $A_{1,2,3} = 5^\circ$   $A_{up} = 60^\circ$





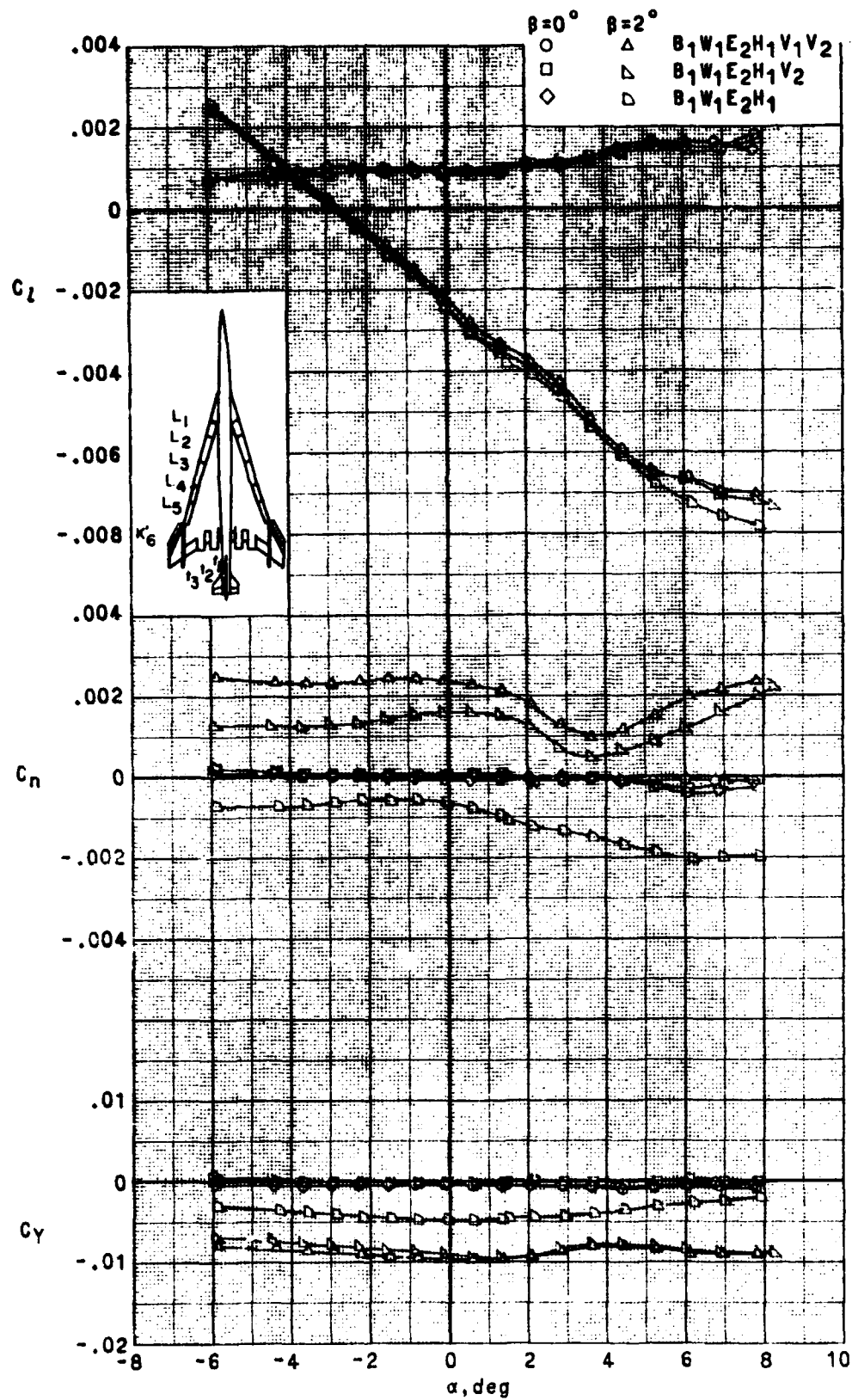
(b)  $M = 0.90$ .

Figure 14. - Continued.



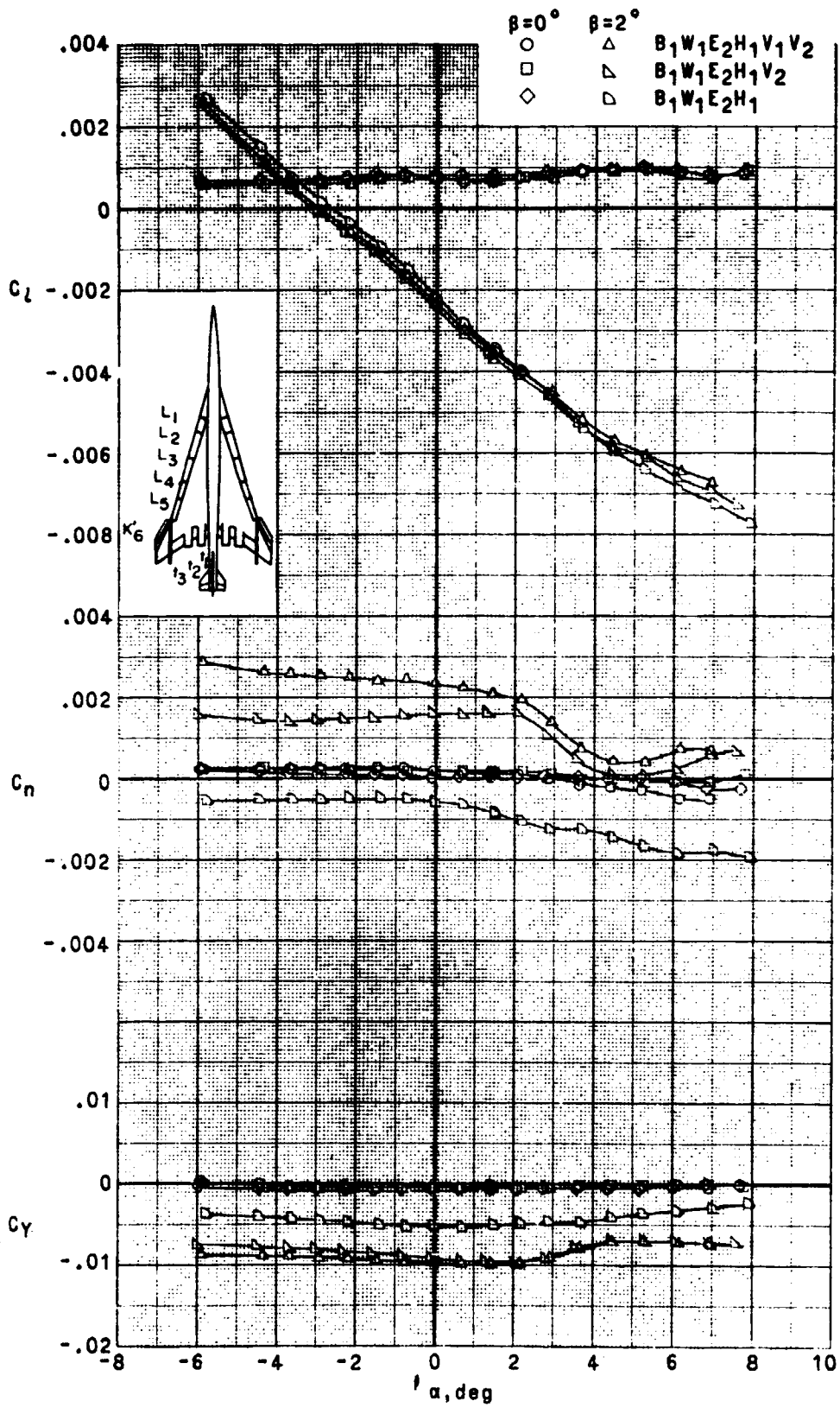
(c)  $M = 0.95$ .

Figure 14. - Continued.



(d)  $M = 1.00$ .

Figure 14.- Continued.



(e) M - 1 20

Figure 14.- Concluded.

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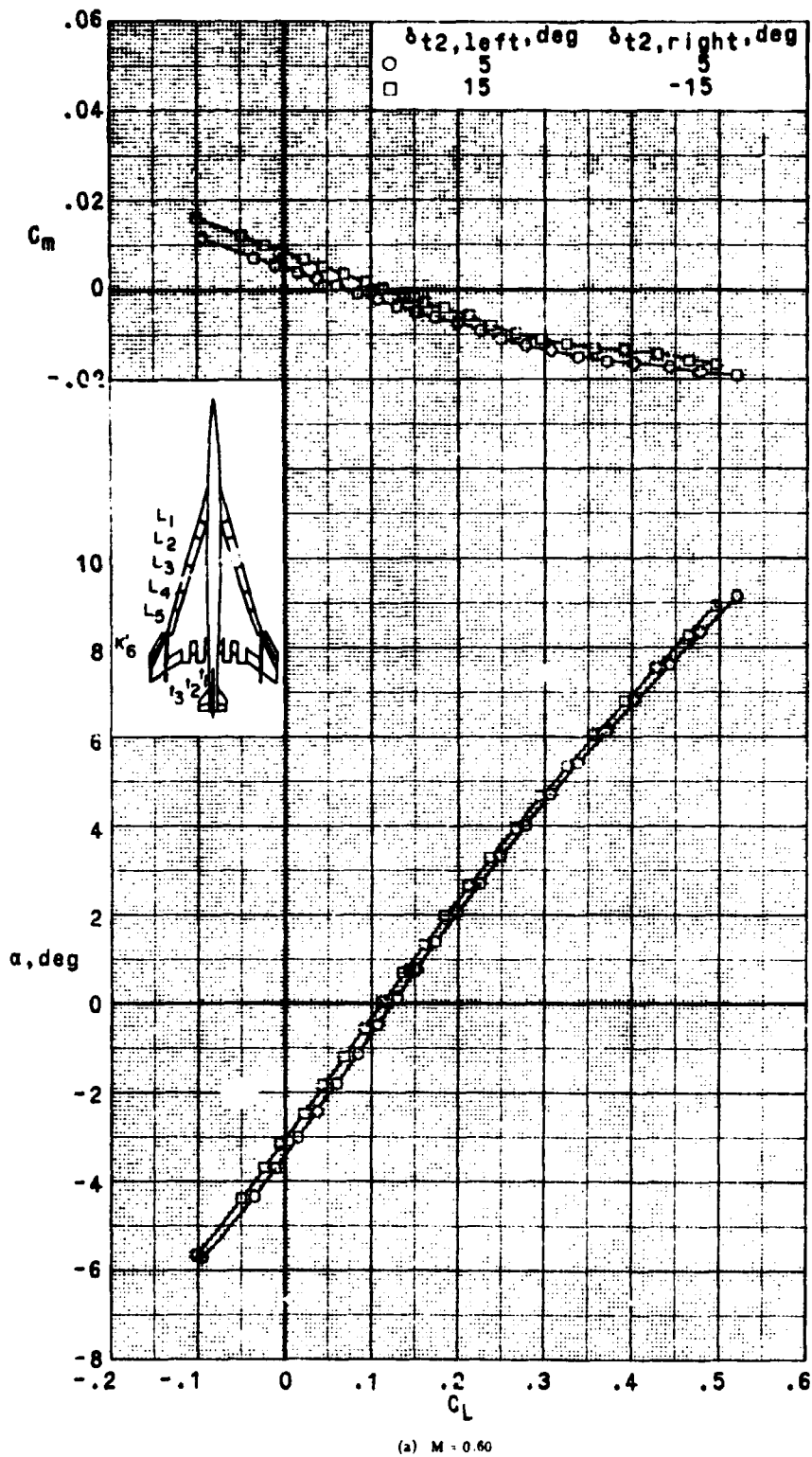
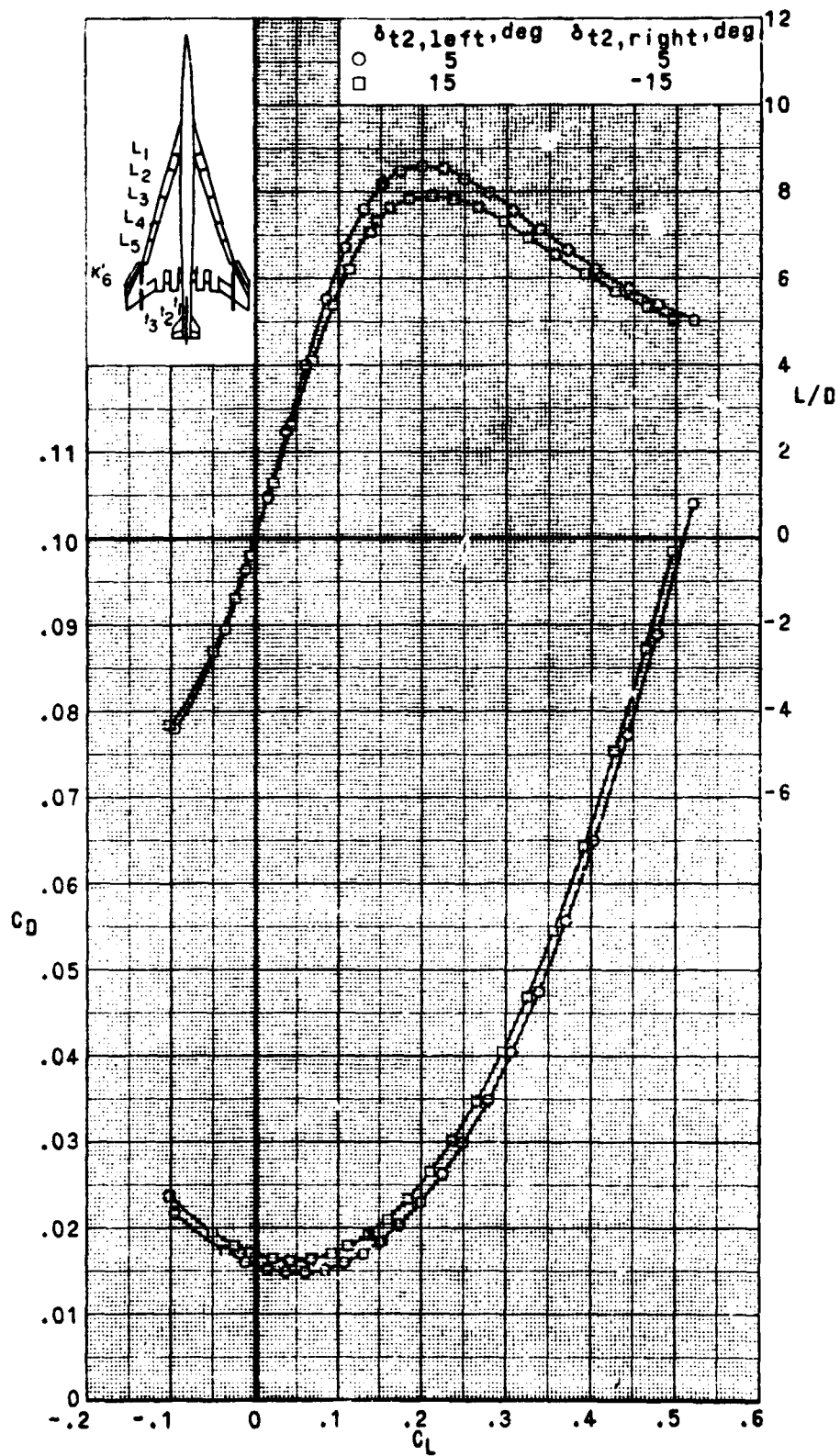
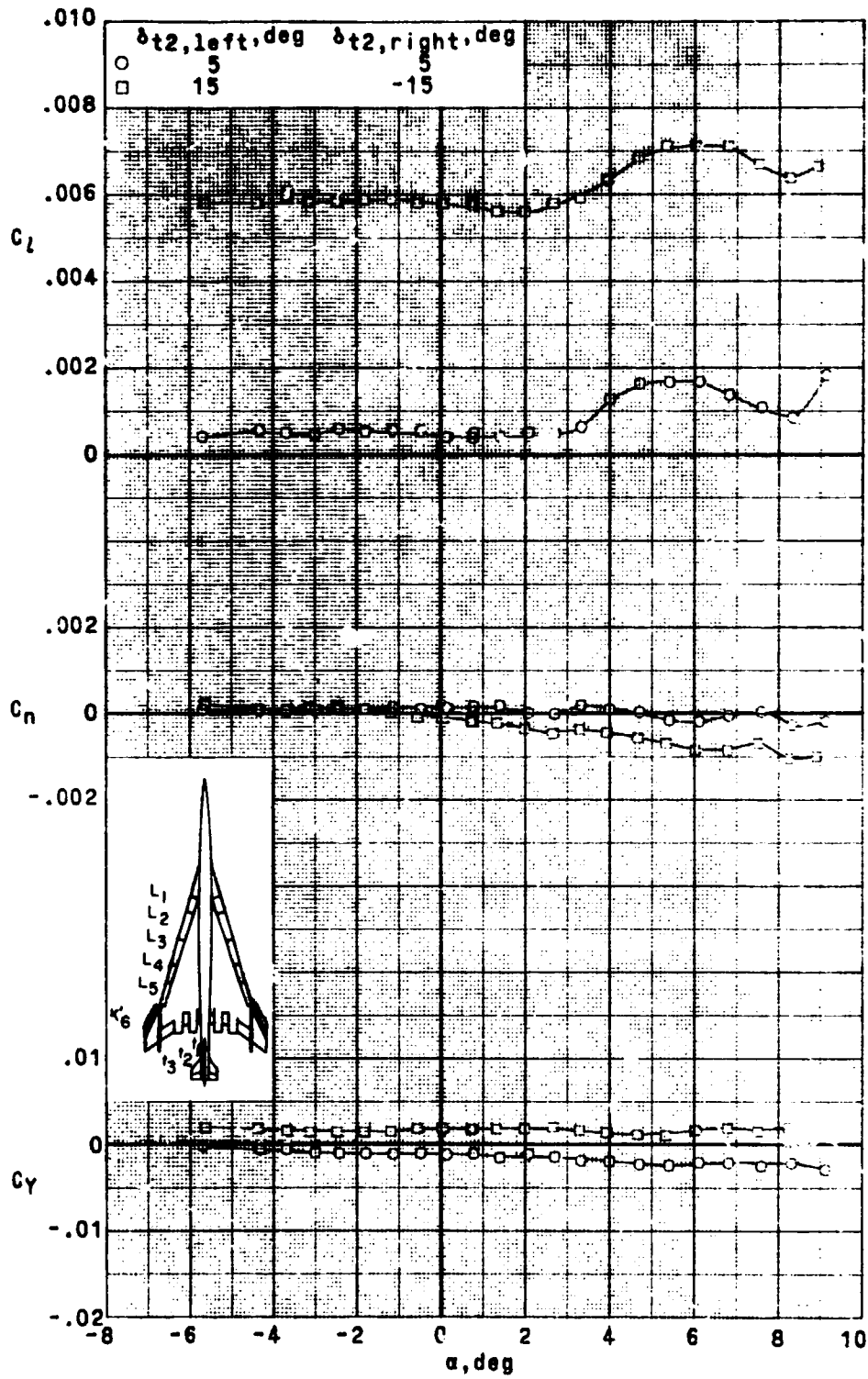


Figure 15.- Effects of differential trailing-edge-flap deflections on the longitudinal and lateral-directional aerodynamic characteristics of B<sub>1</sub>W<sub>4</sub>E<sub>2</sub>H<sub>1</sub>V<sub>1</sub>V<sub>2</sub>.  $\delta_{L1,2} = 15^\circ$ ;  $\delta_{L3,4,5} = 0^\circ$ ;  $\delta_{t1,3} = 5^\circ$ ;  $\Lambda_{\text{tip}} = 60^\circ$ ;  $\delta_{K6} = 20^\circ$ .

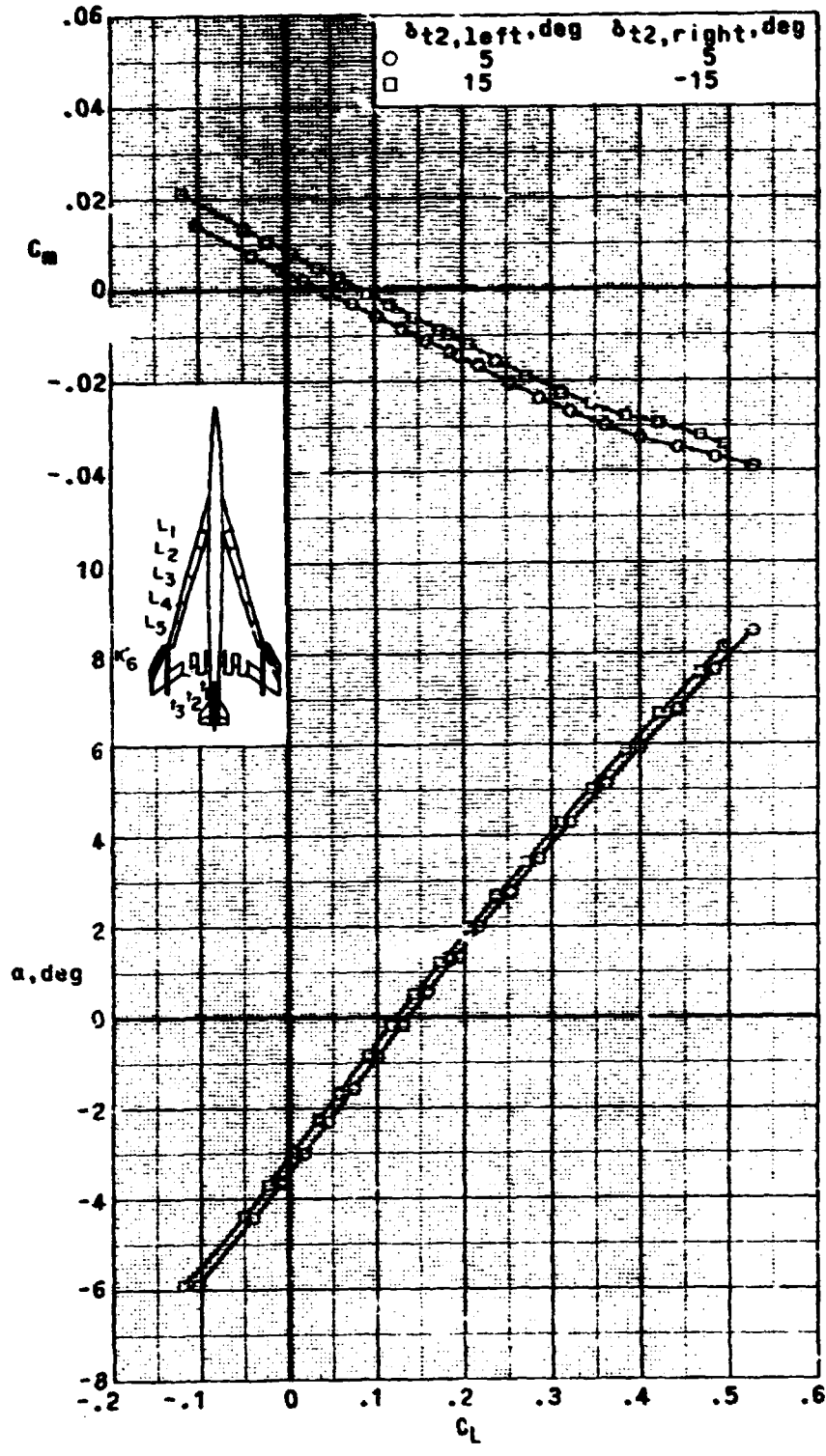


(a)  $M = 0.80$ . Continued.  
Figure 15.- Continued.



(a)  $M = 0.60$ . Concluded.

Figure 15.- Continued.

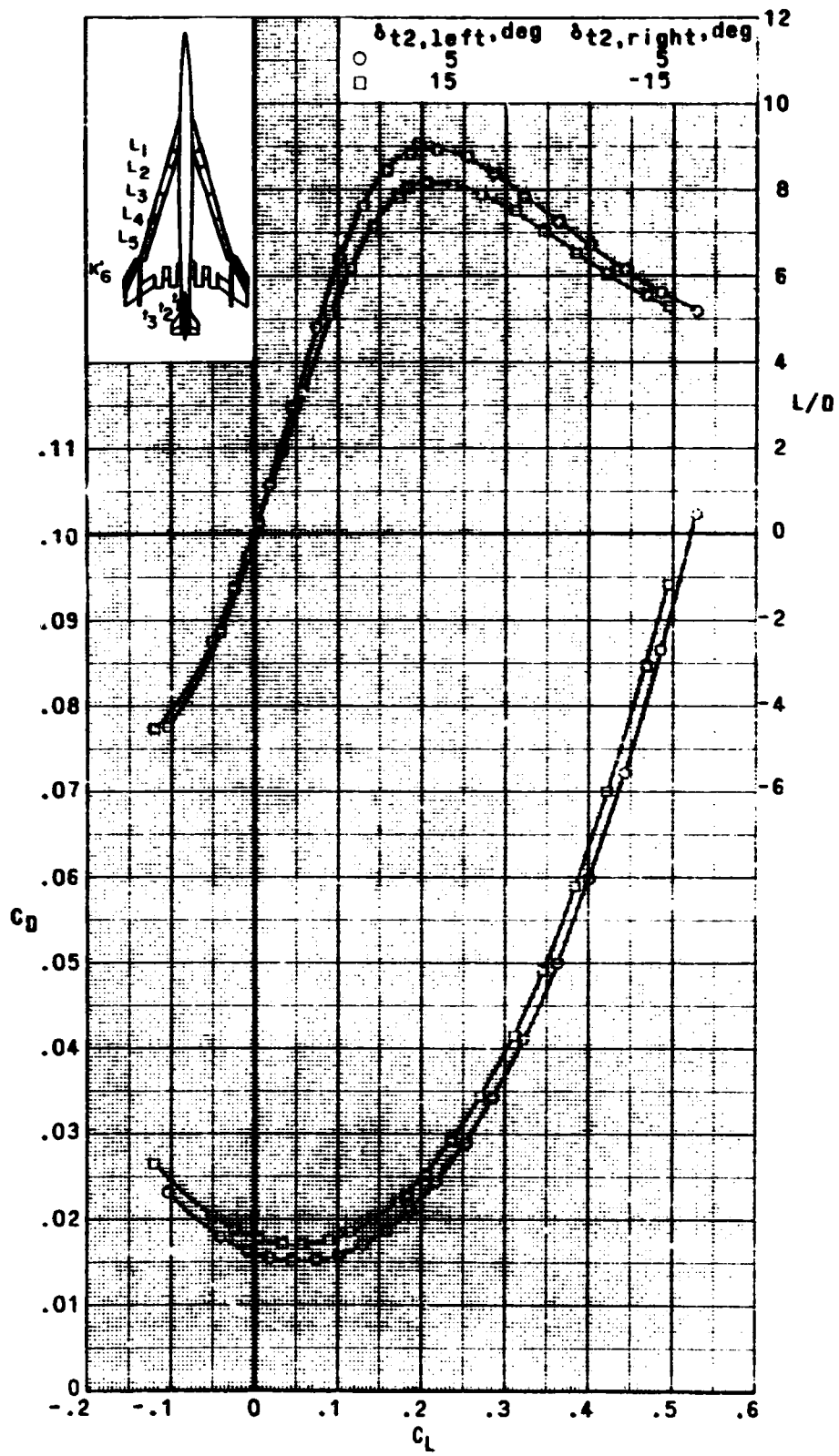


(b)  $M = 0.90$ .

Figure 13.- Continued.

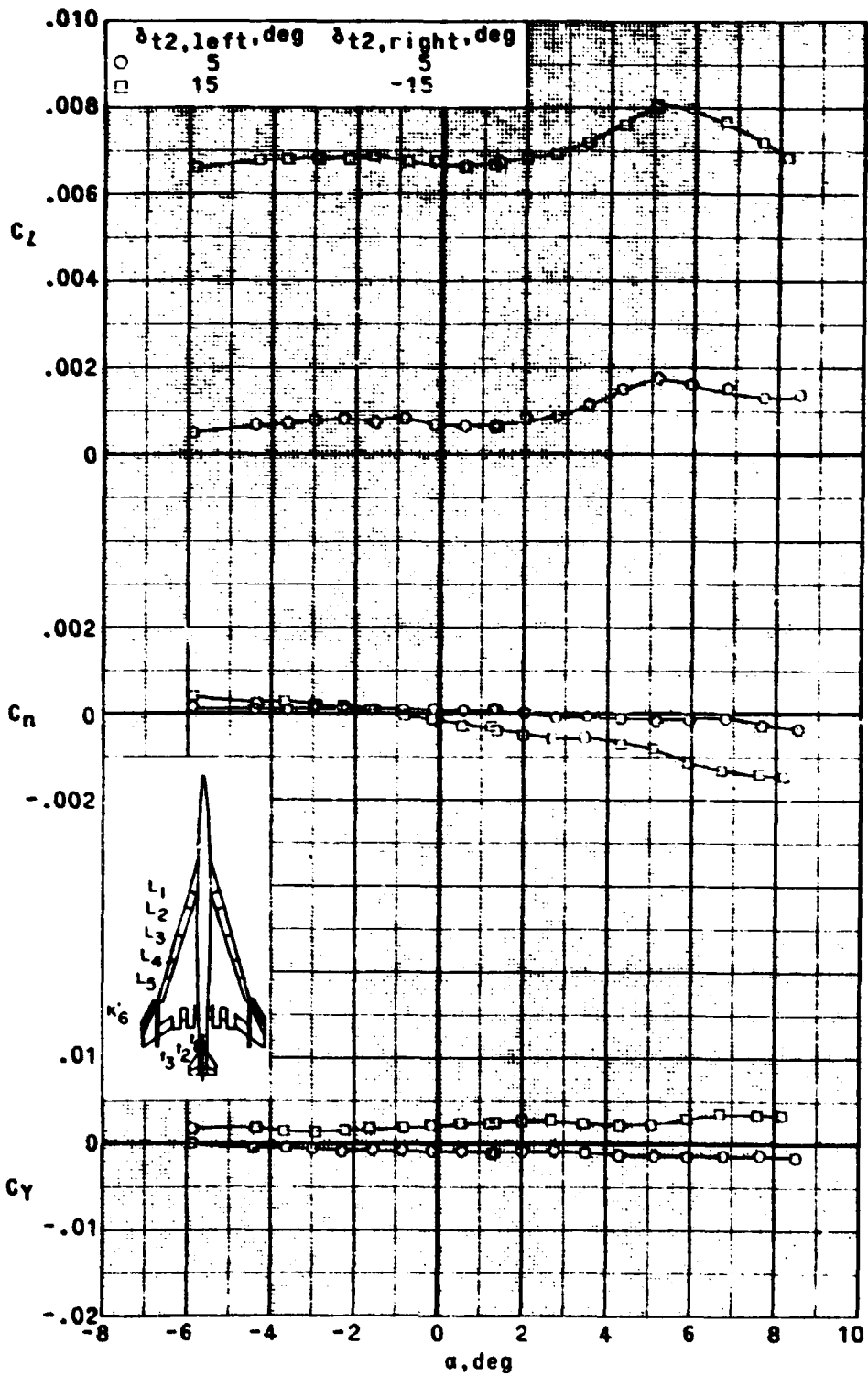
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(b) M = 0.90. Continued.

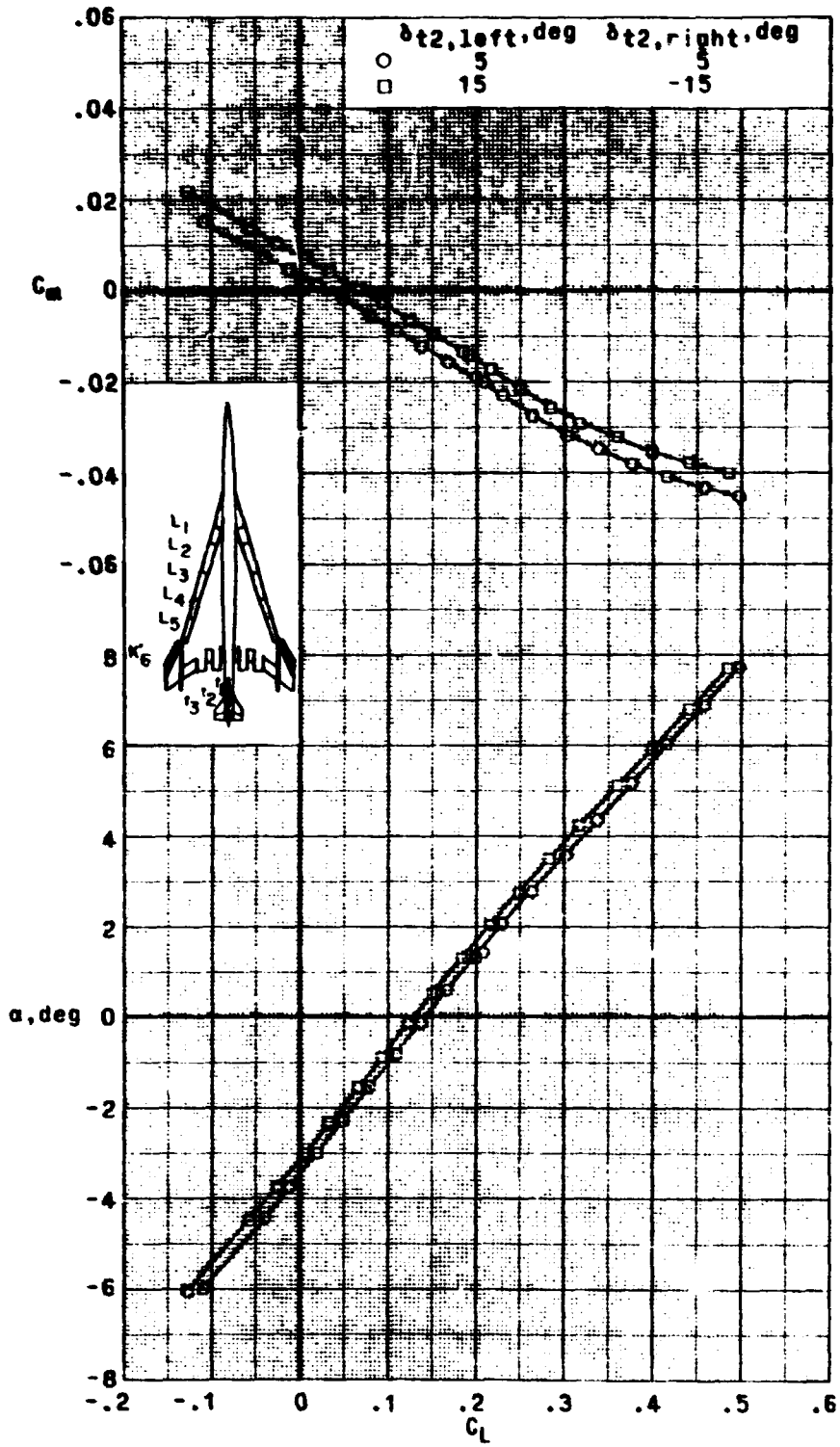
Figure 15.- Continued.



(b)  $M = 0.90$  Concluded

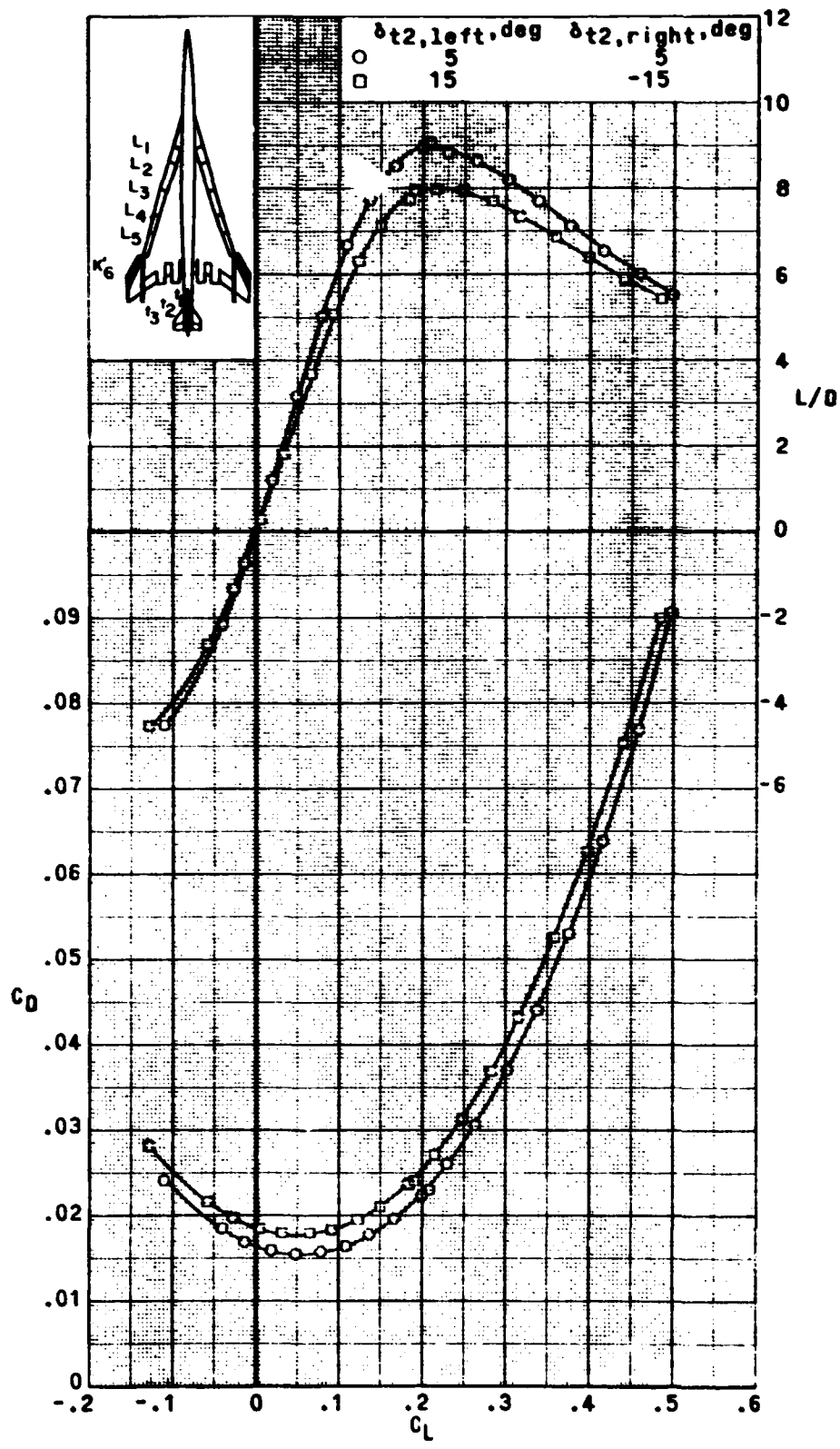
Figure 15.- Continued.

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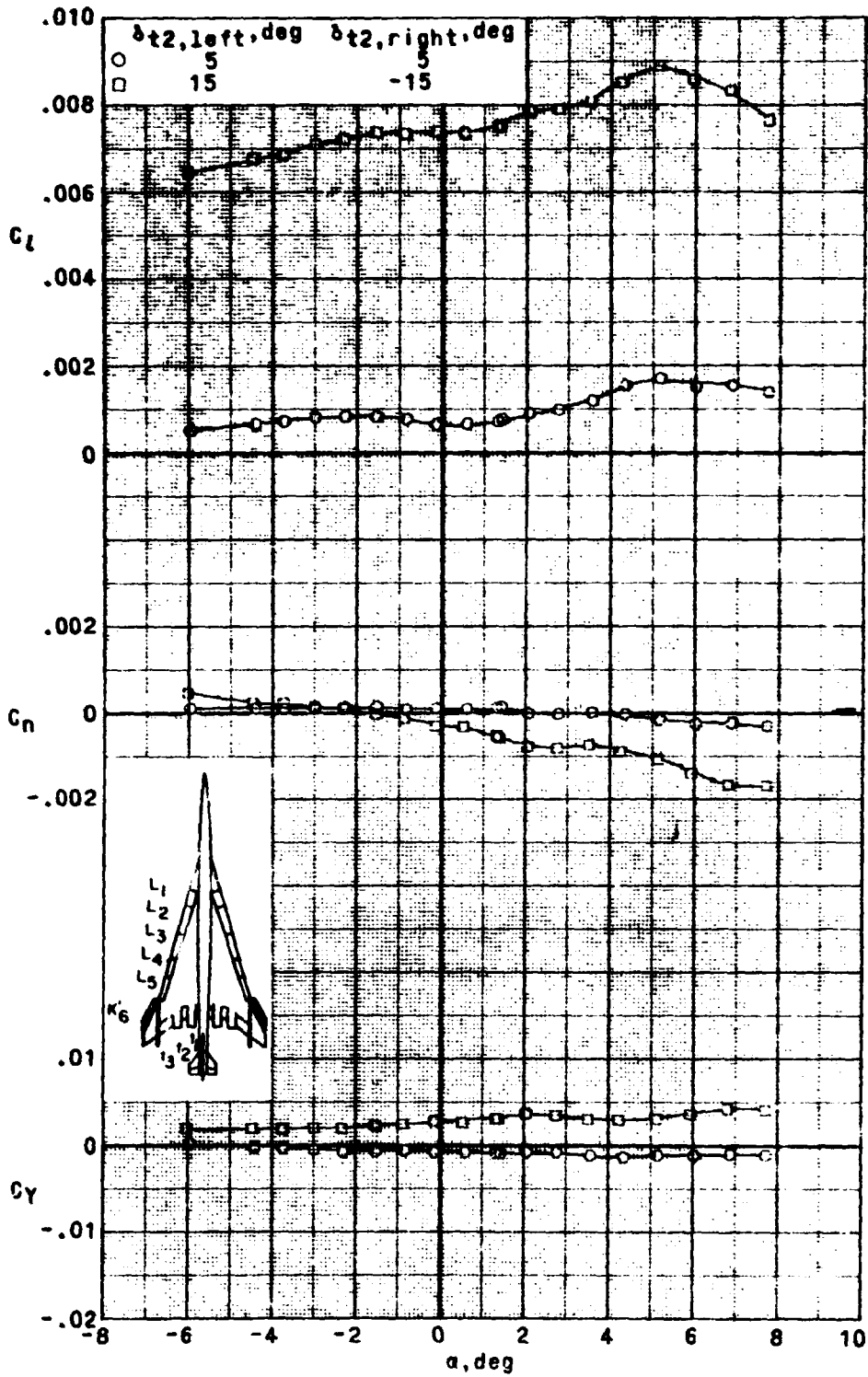


(c)  $M = 0.95$ .

Figure 15.- Continued

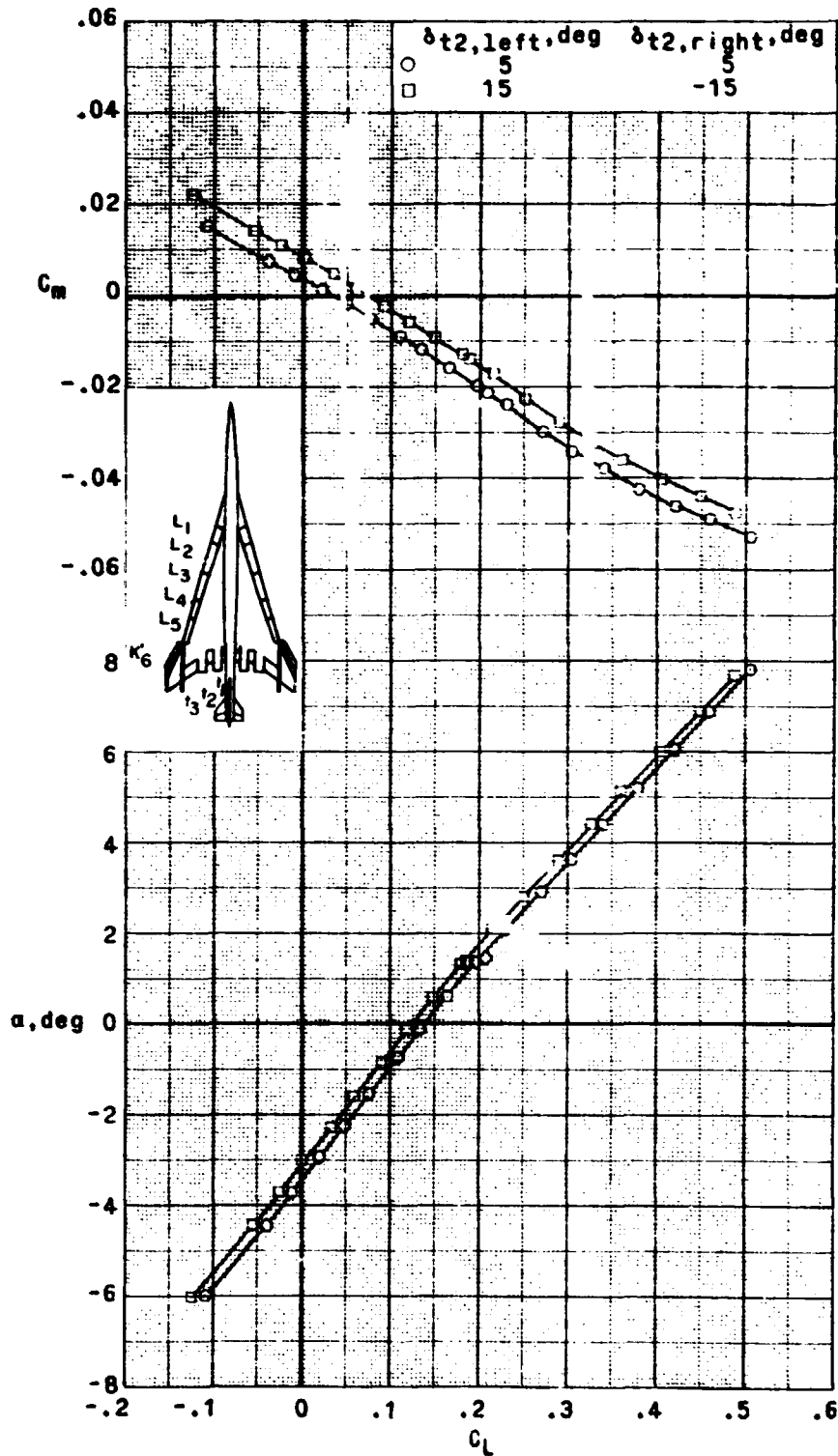


(c) M 0.95. Continued.  
 Figure 15.- Continued.



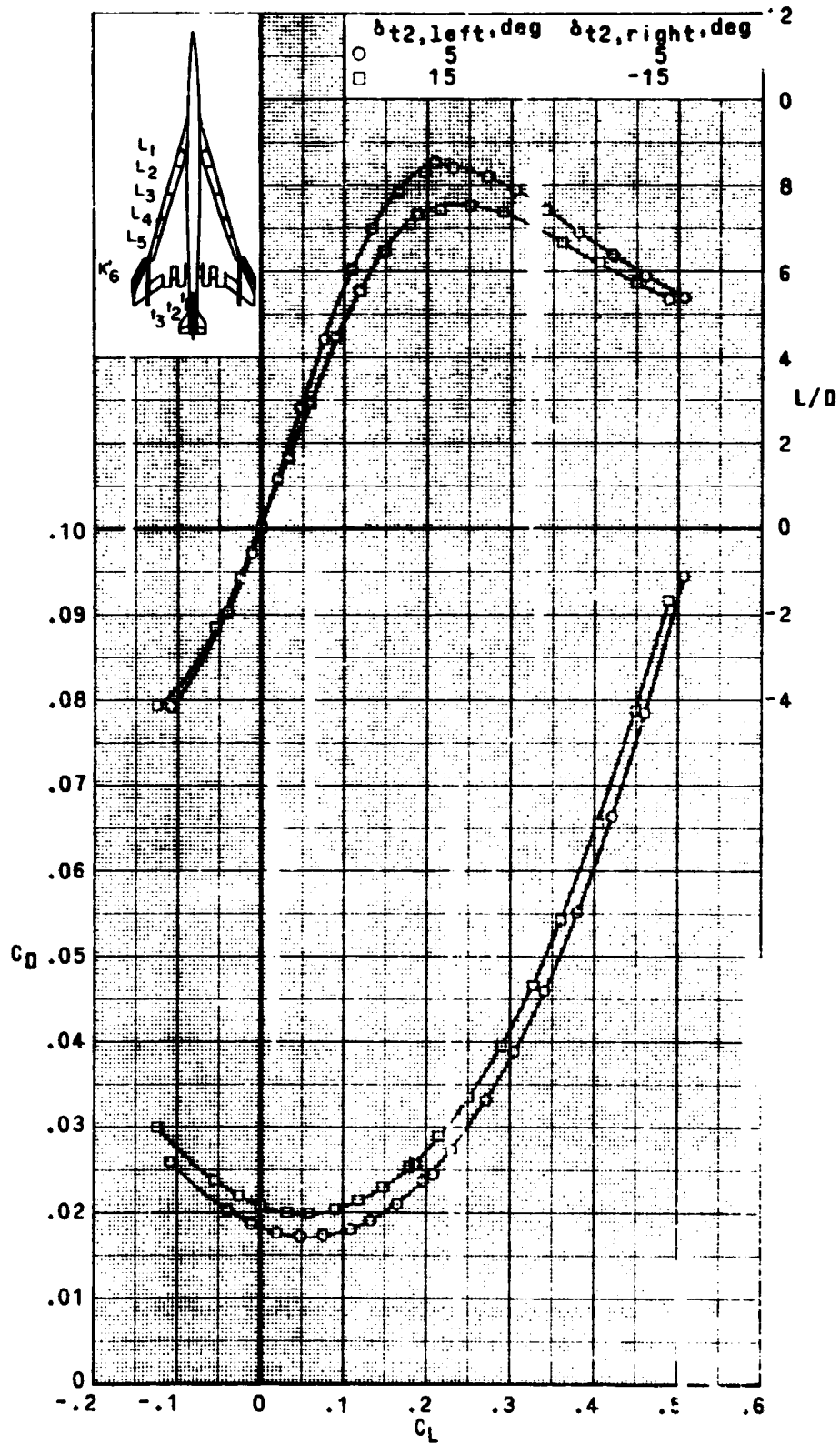
(c)  $M = 0.95$ . Concluded.

Figure 15.- Continued.



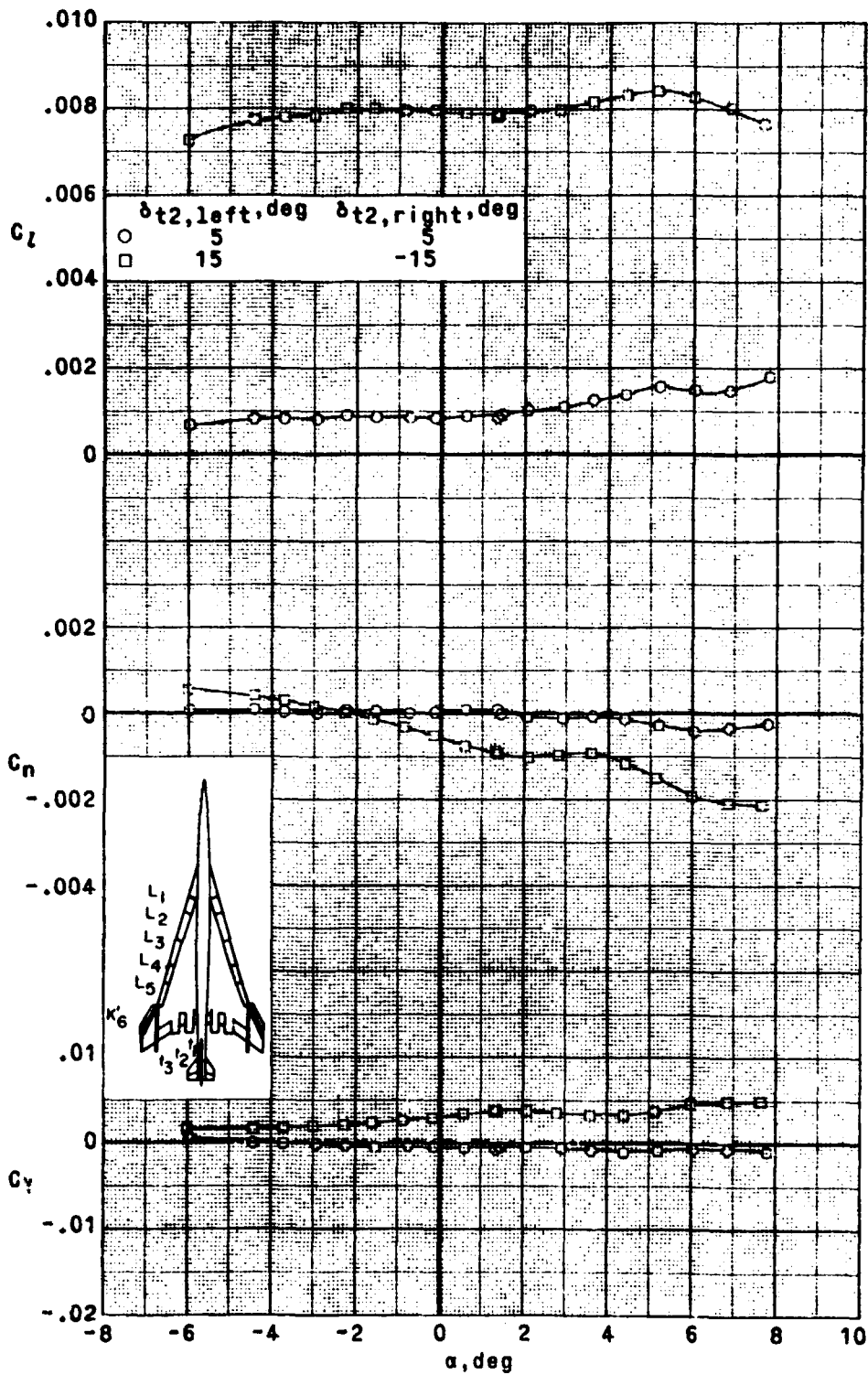
(d)  $M = 1.00$ .  
Figure 15. - Continued.

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(d)  $M = 1.00$  Continued.

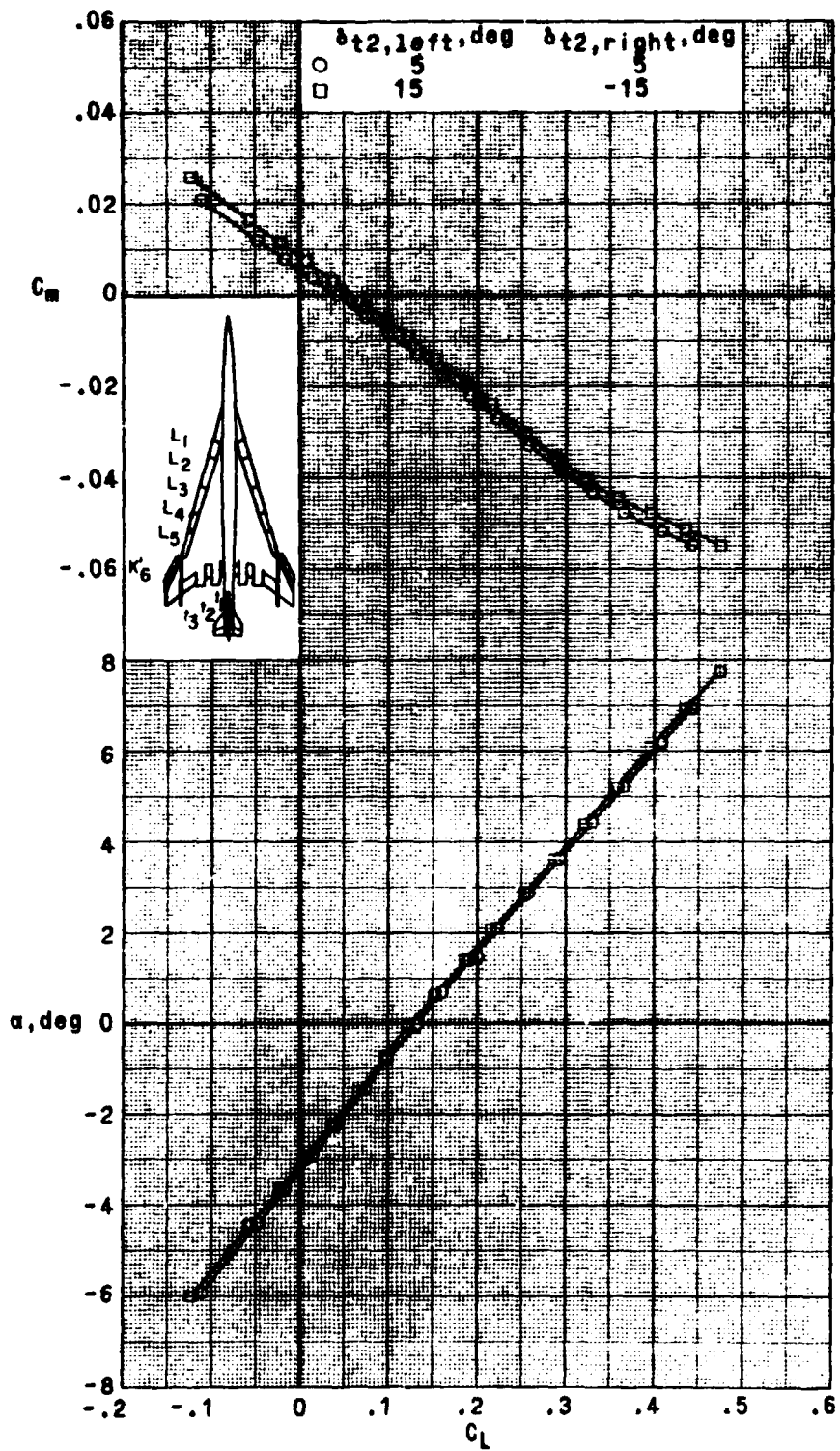
Figure 15 - Continued.



(d)  $M = 1.00$ . Concluded.

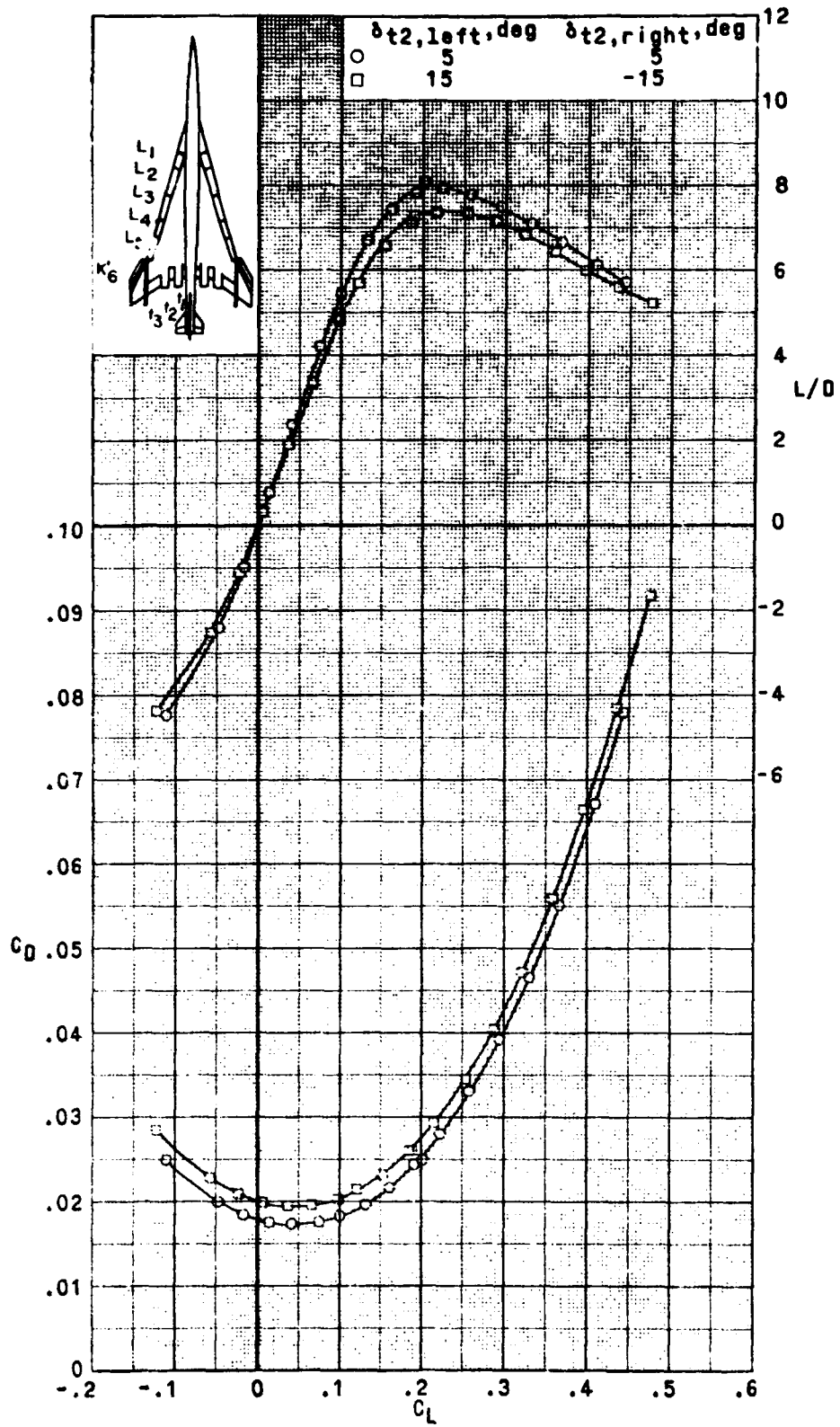
Figure 15.- Continued.



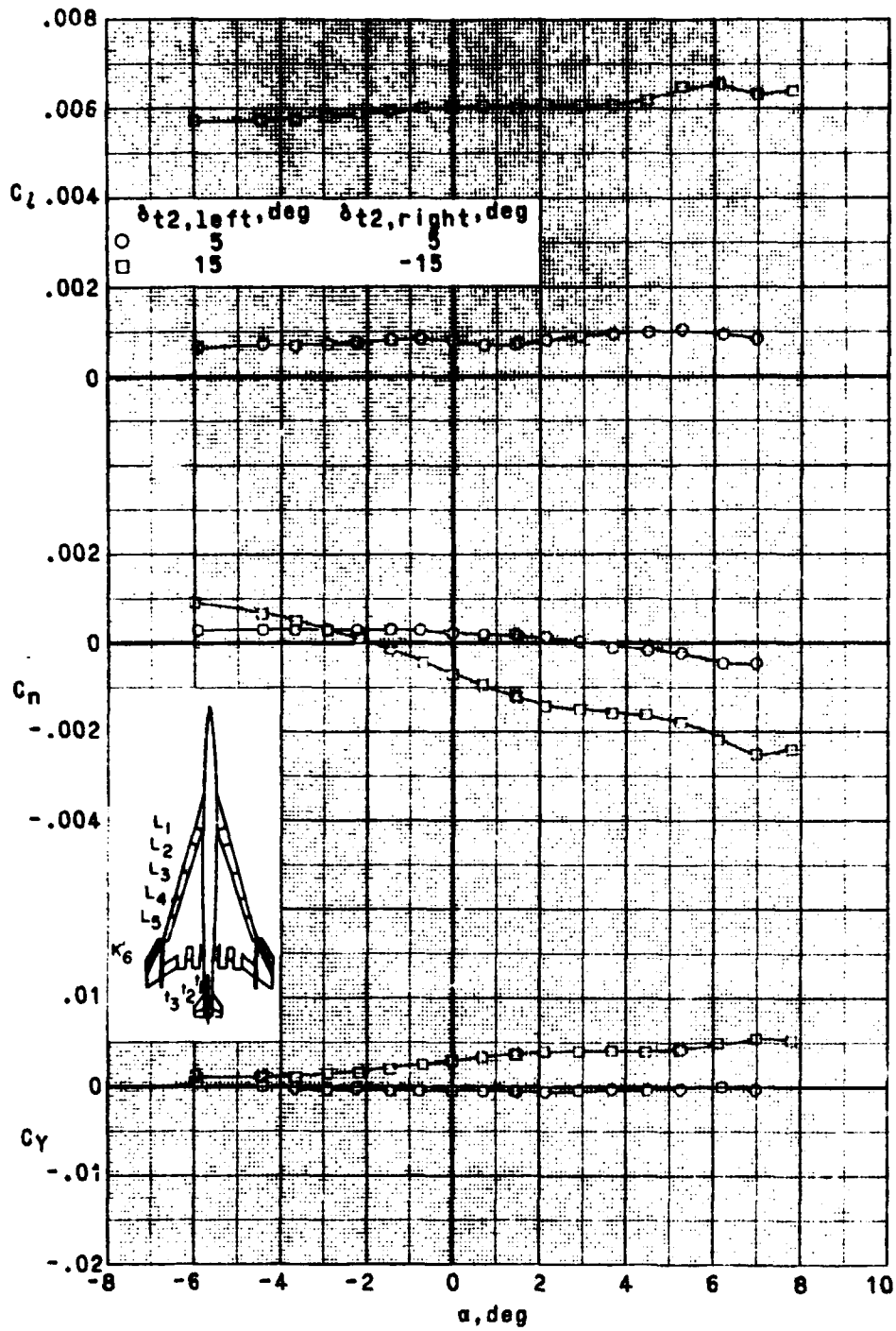


(c)  $M = 1.20$ .

Figure 15.- Continued.



(e) M - 1.20. Continued.  
 Figure 15.- Continued.



(e)  $M = 1.20$ . Concluded.

Figure 15.- Concluded.

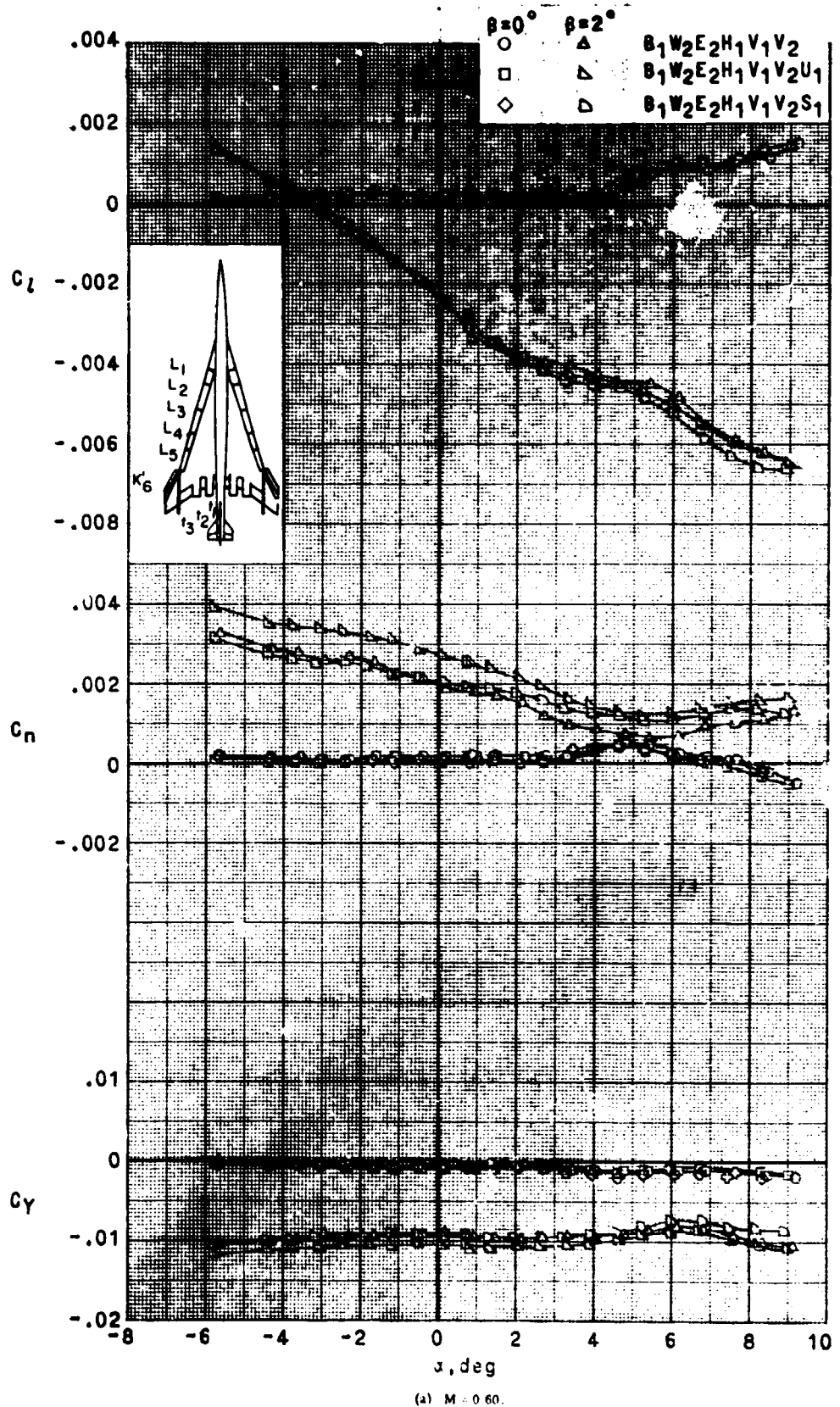
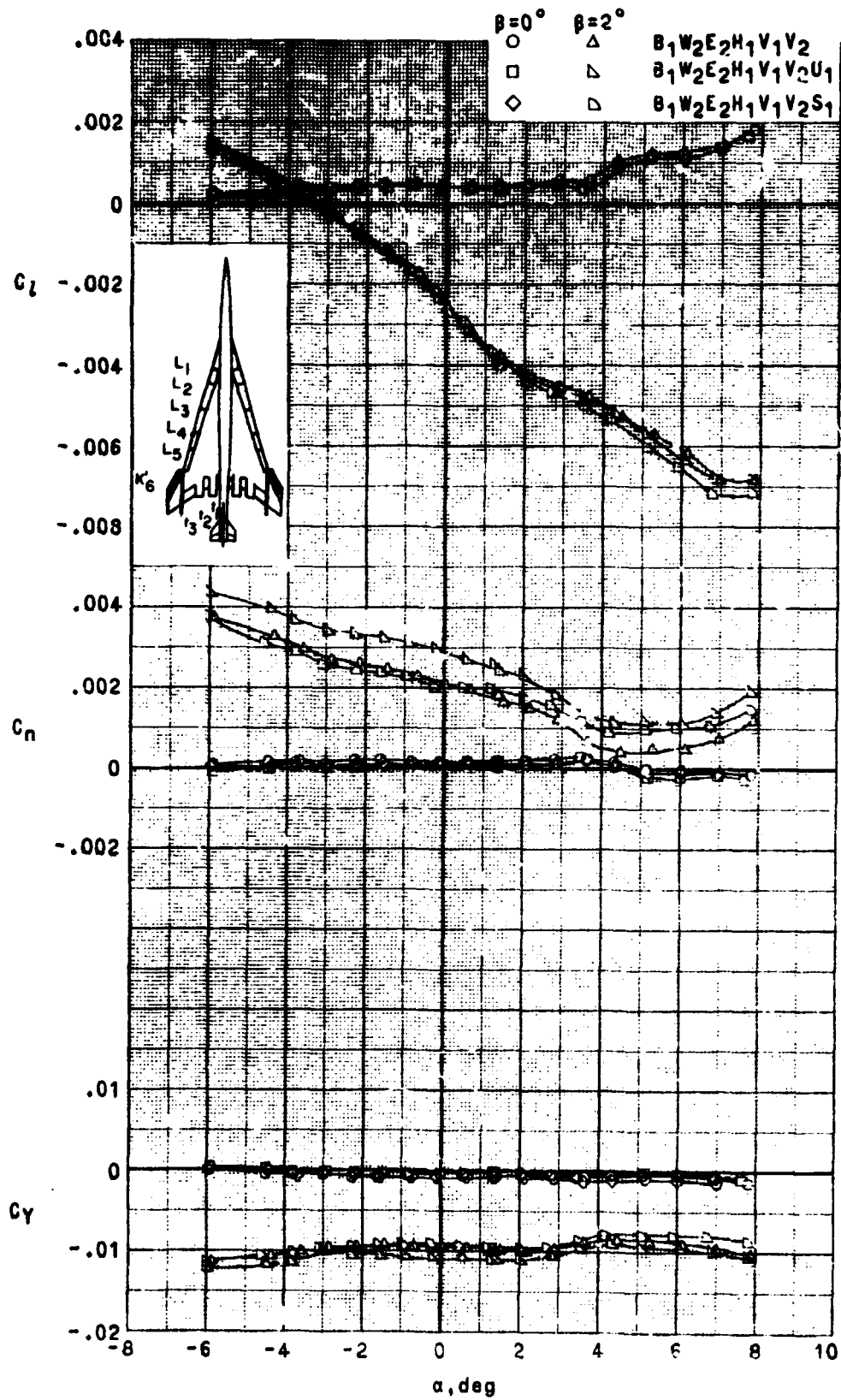
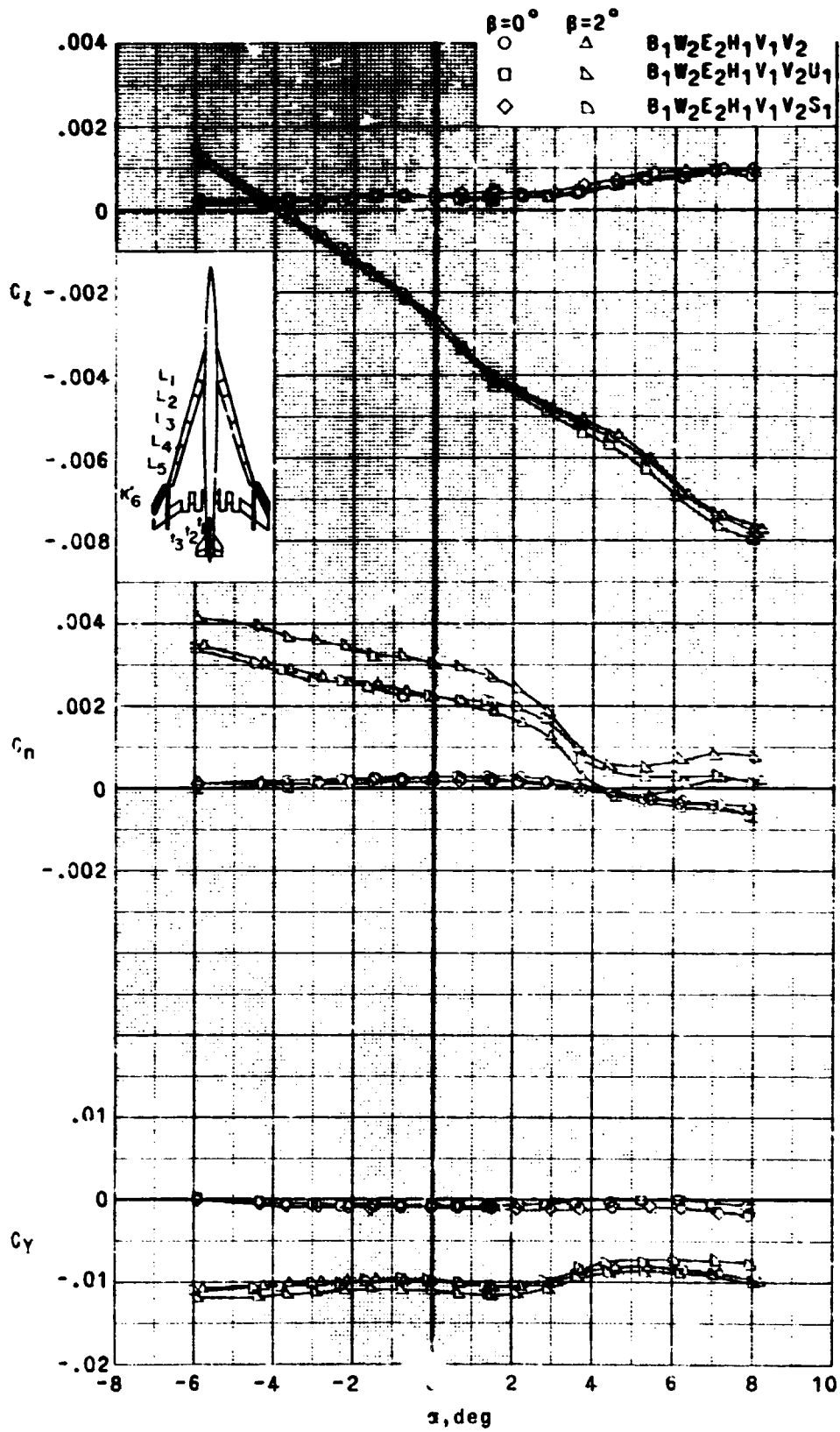


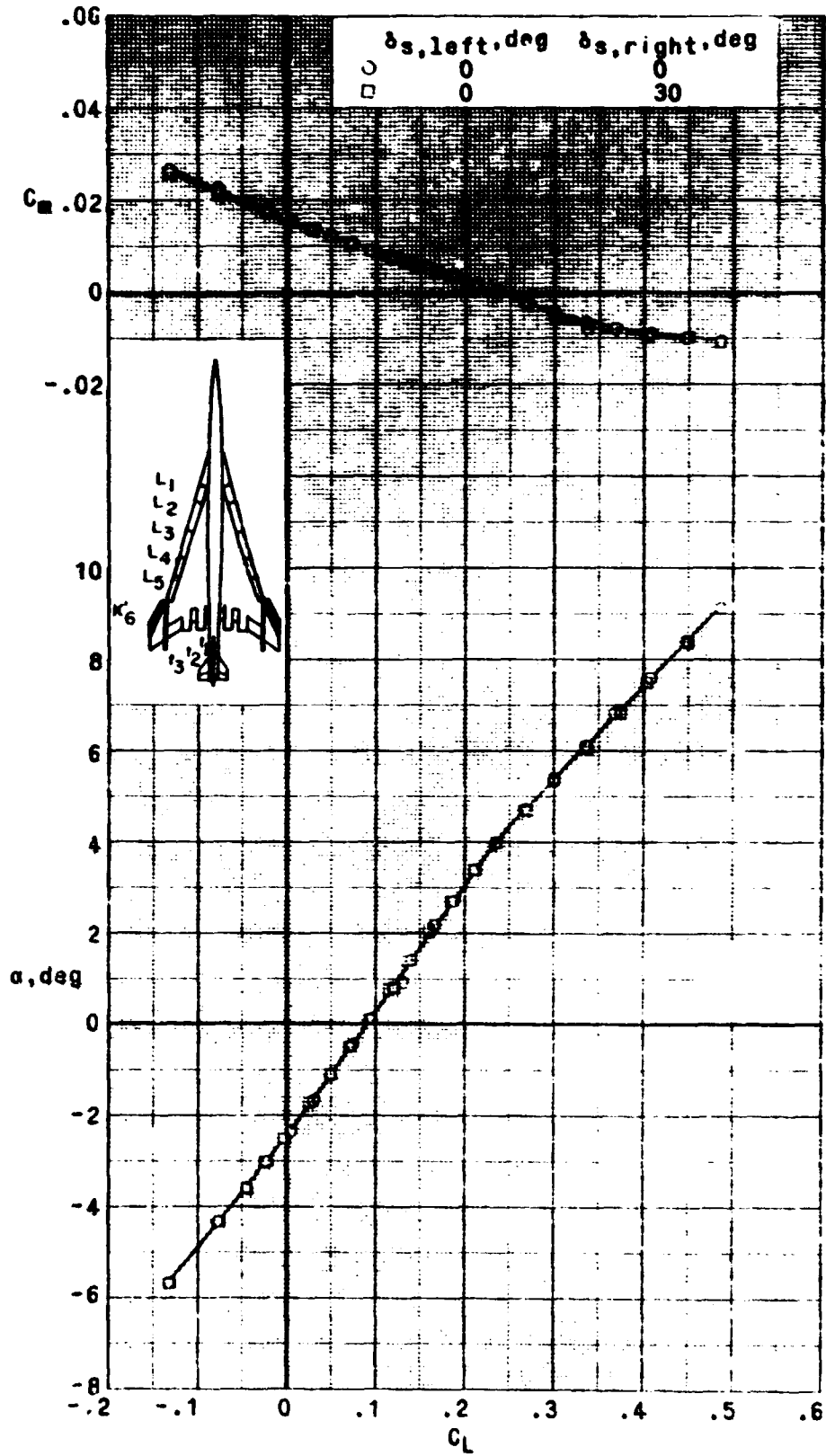
Figure 16.- Effect of centerline ventral fin and strakes on the lateral-directional aerodynamic characteristics.  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{U1,2,3} = 0^\circ$ ;  $\Lambda_{tip} = 60^\circ$ ;  $K^*6 = 20^\circ$ .





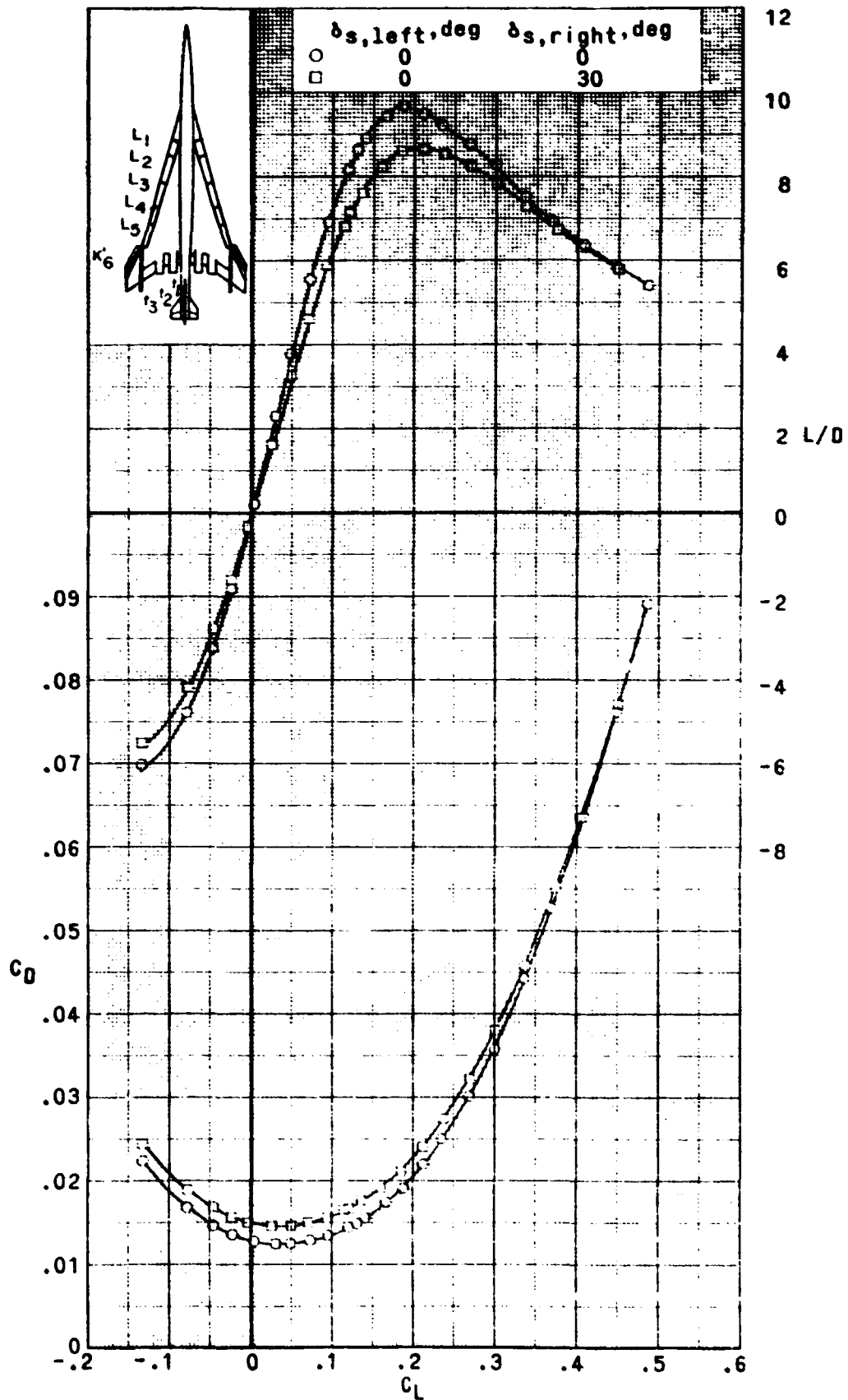
(c) M : 1.20.

Figure 16.- Concluded.



(a)  $M = 0.60$

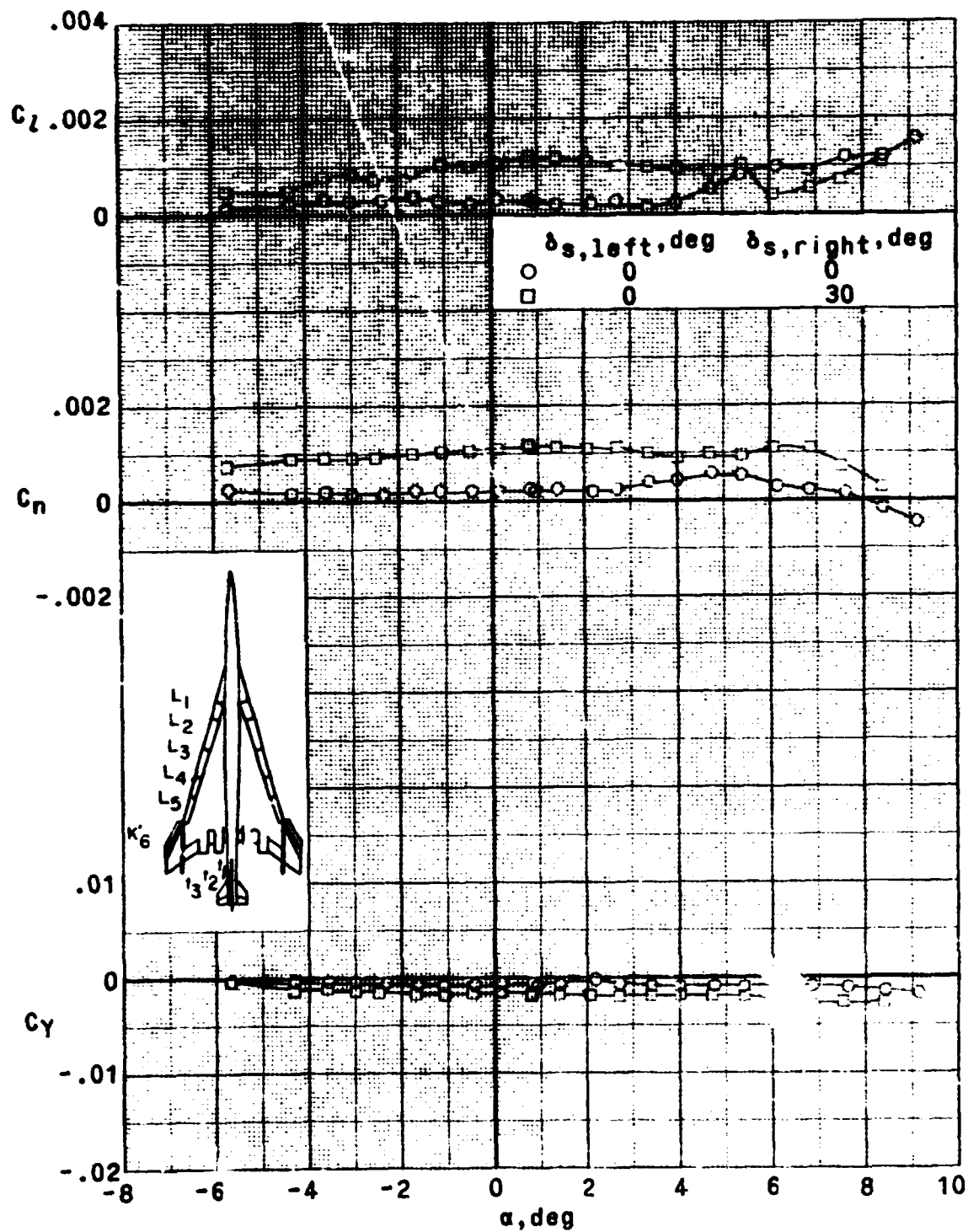
Figure 17.- Effect of spoiler deflections on the longitudinal and lateral directional aerodynamic characteristics of  $B_1W_2E_2H_1V_1V_2$ .  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{L1,2,3} = 0^\circ$ ;  $\delta_{tip} = 60^\circ$ ;  $\delta_{K6} = 20^\circ$ .



(a)  $M = 0.60$ . Continued.

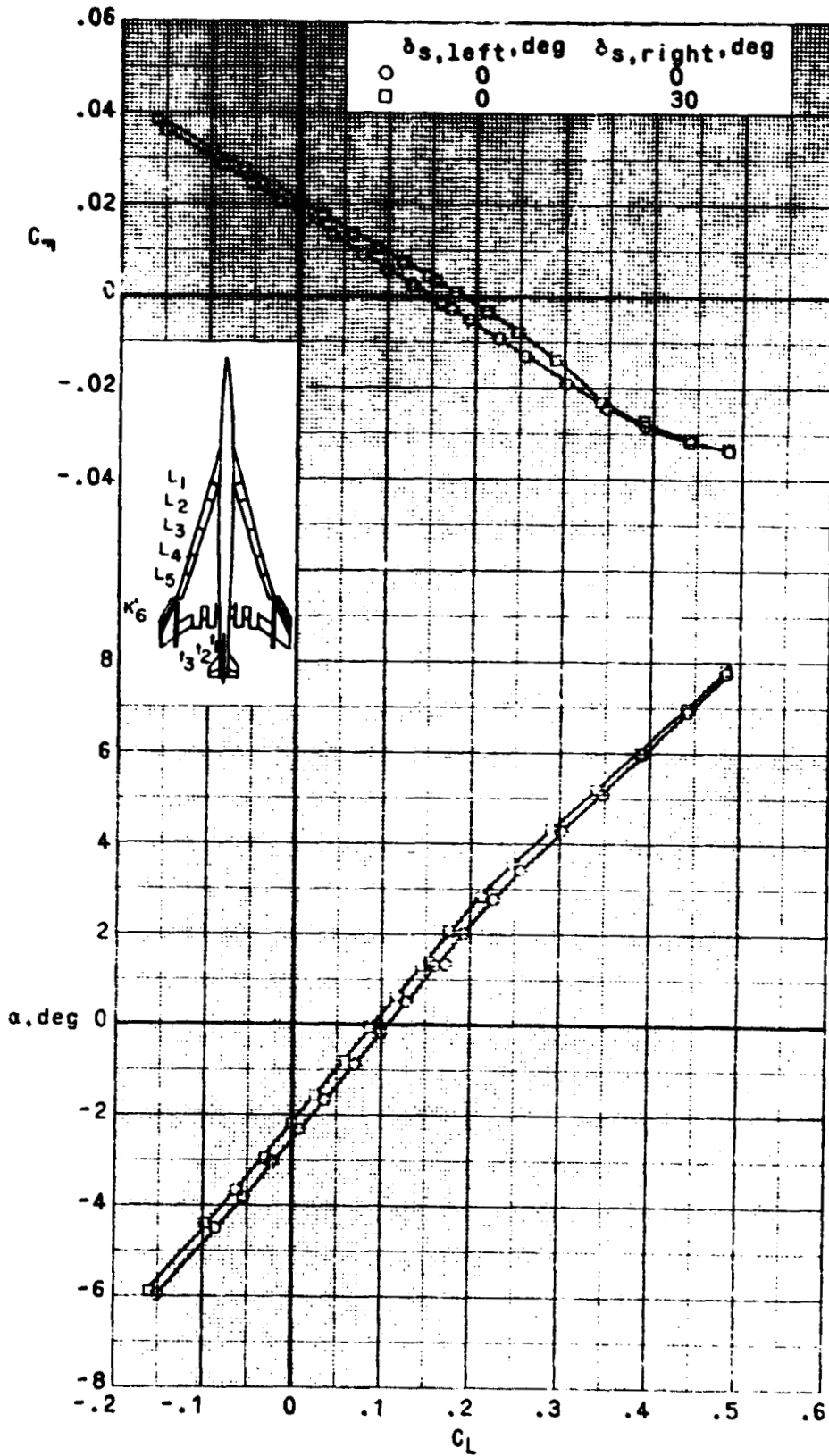
Figure 17.- Continued





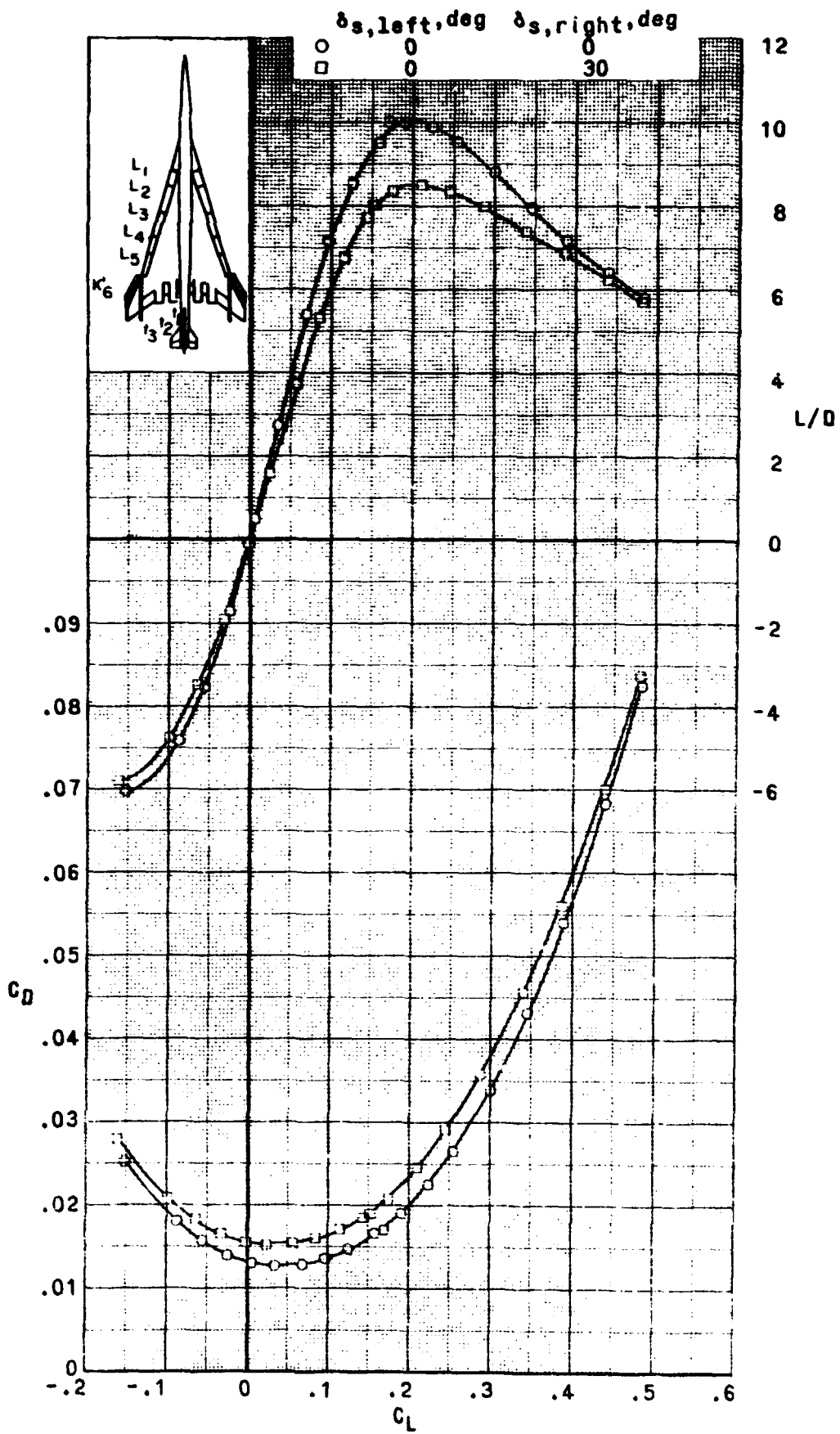
(a)  $M = 0.60$ . Concluded.

Figure 17.- Continued.

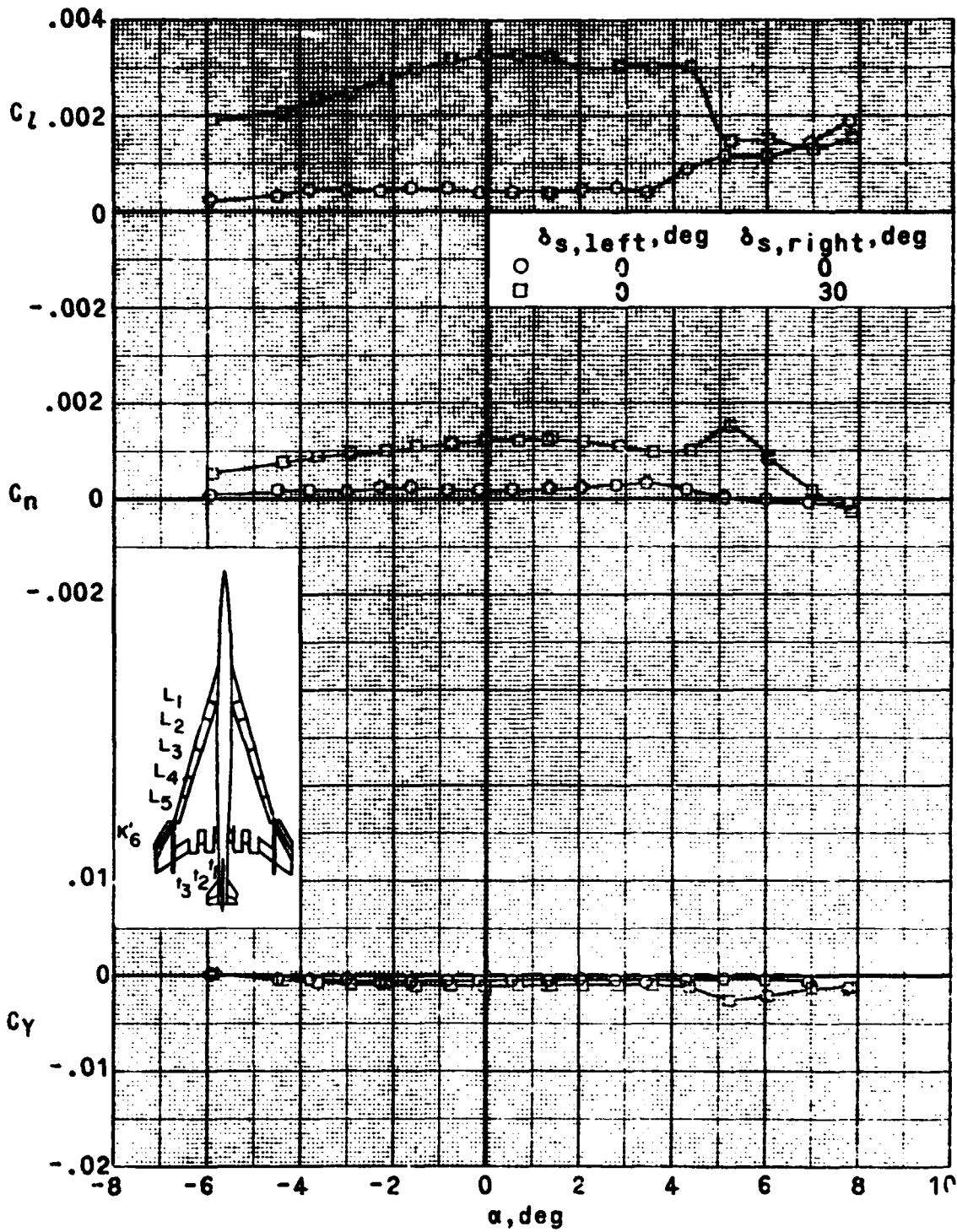


(b)  $M = 0.95$ .

Figure 17. Continued.



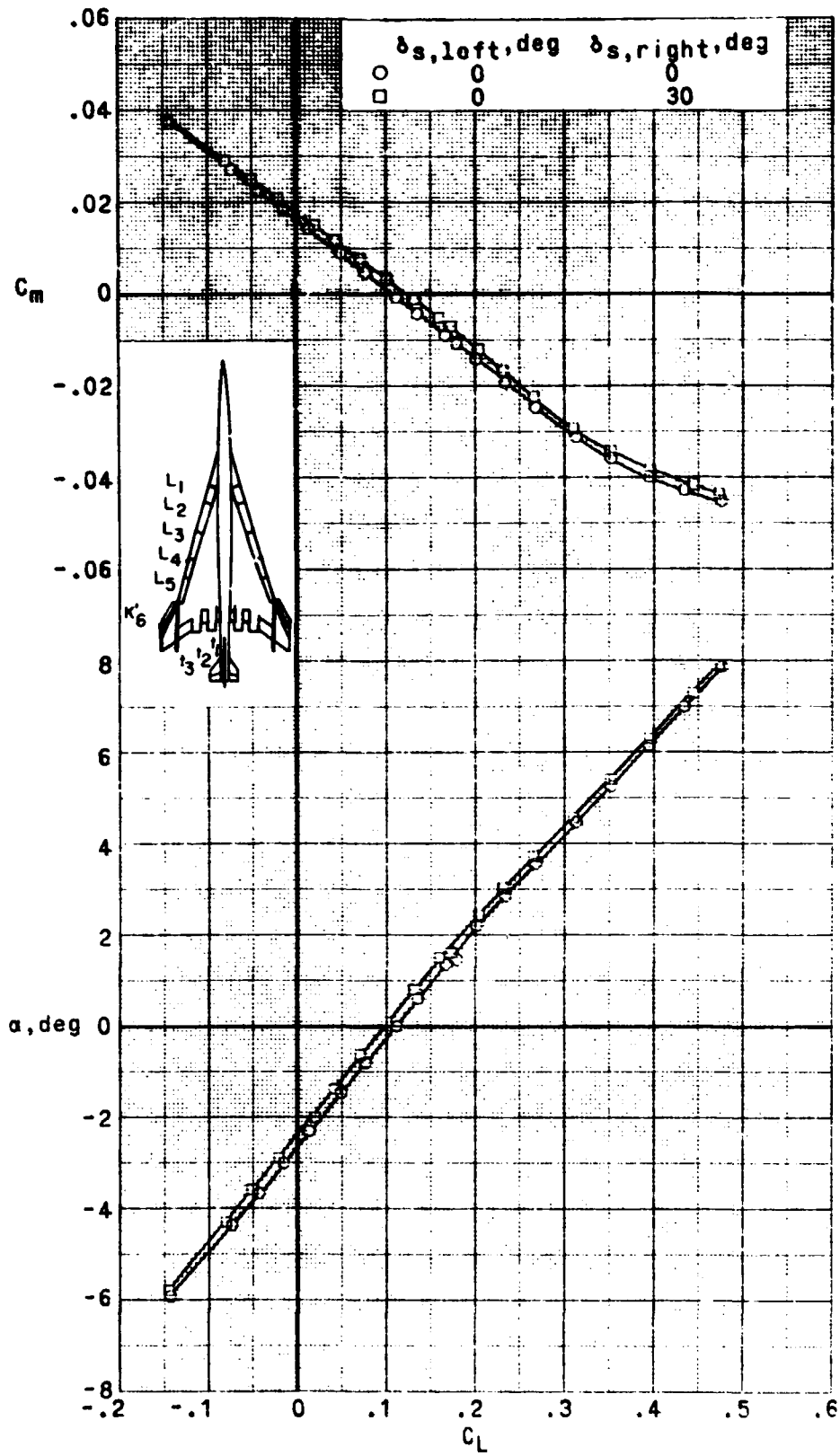
(b)  $M = 0.95$ . Continued.  
 Figure 17. - Continued.

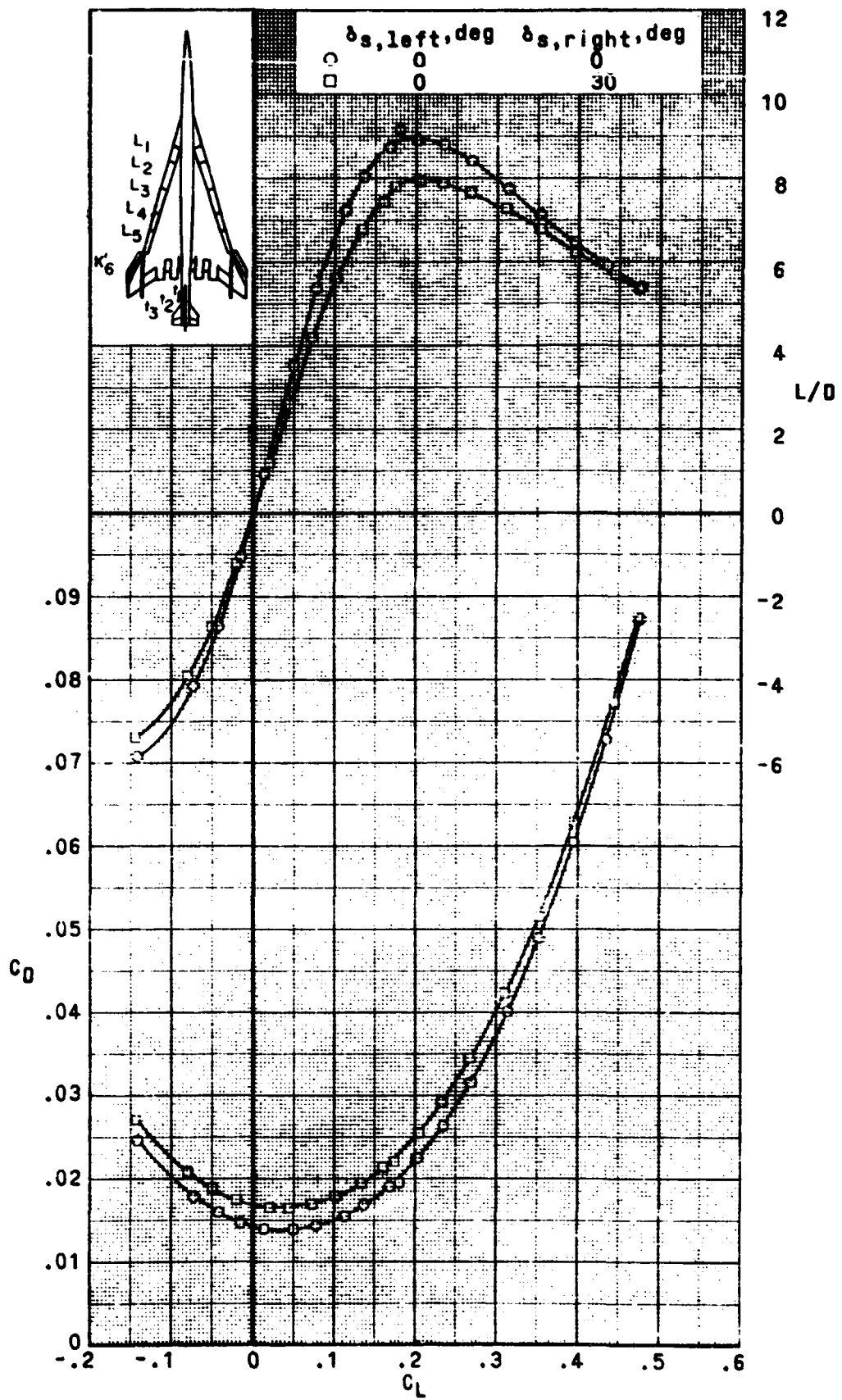


(b)  $M = 0.95$ . Concluded.

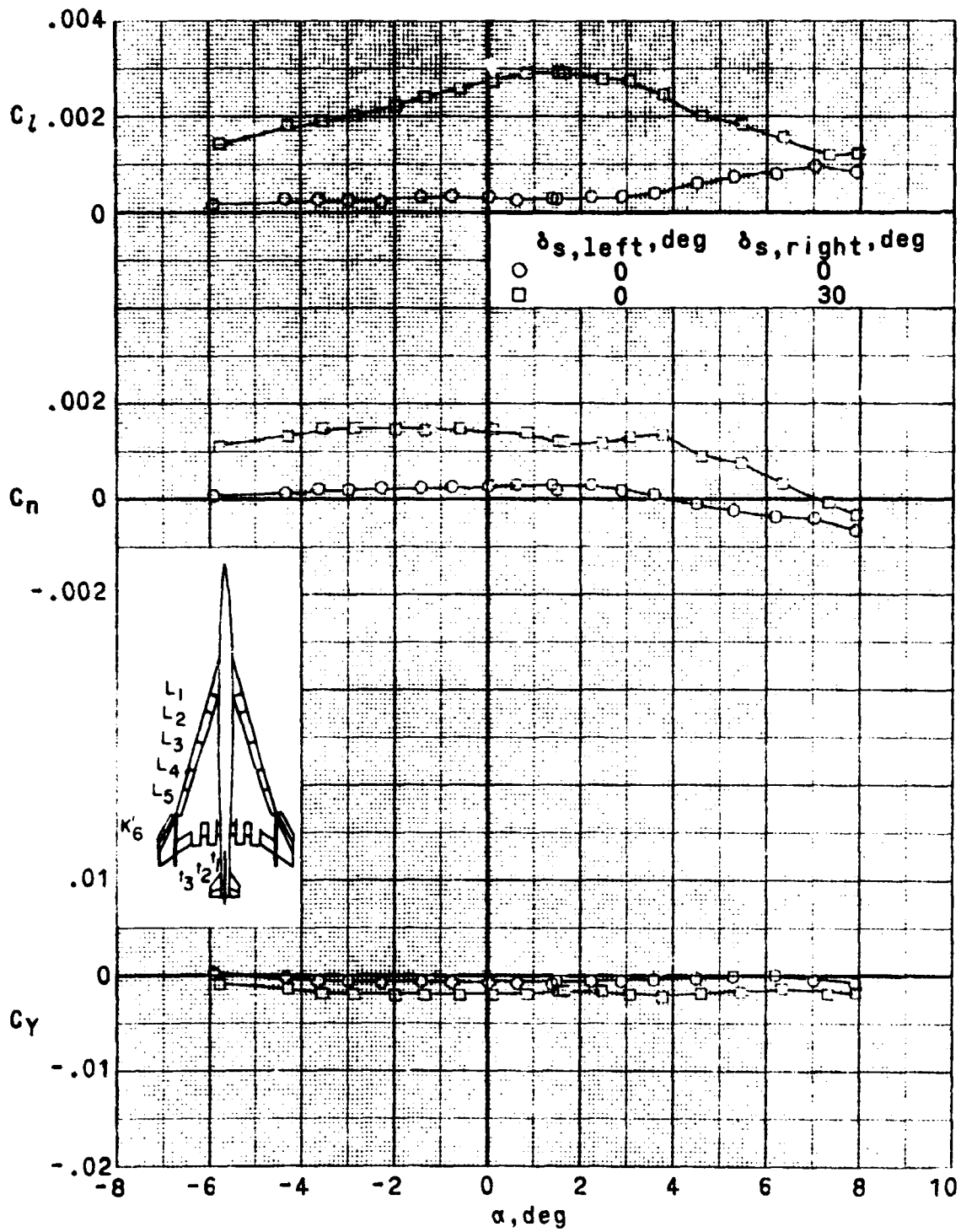
Figure 17.- Continued.

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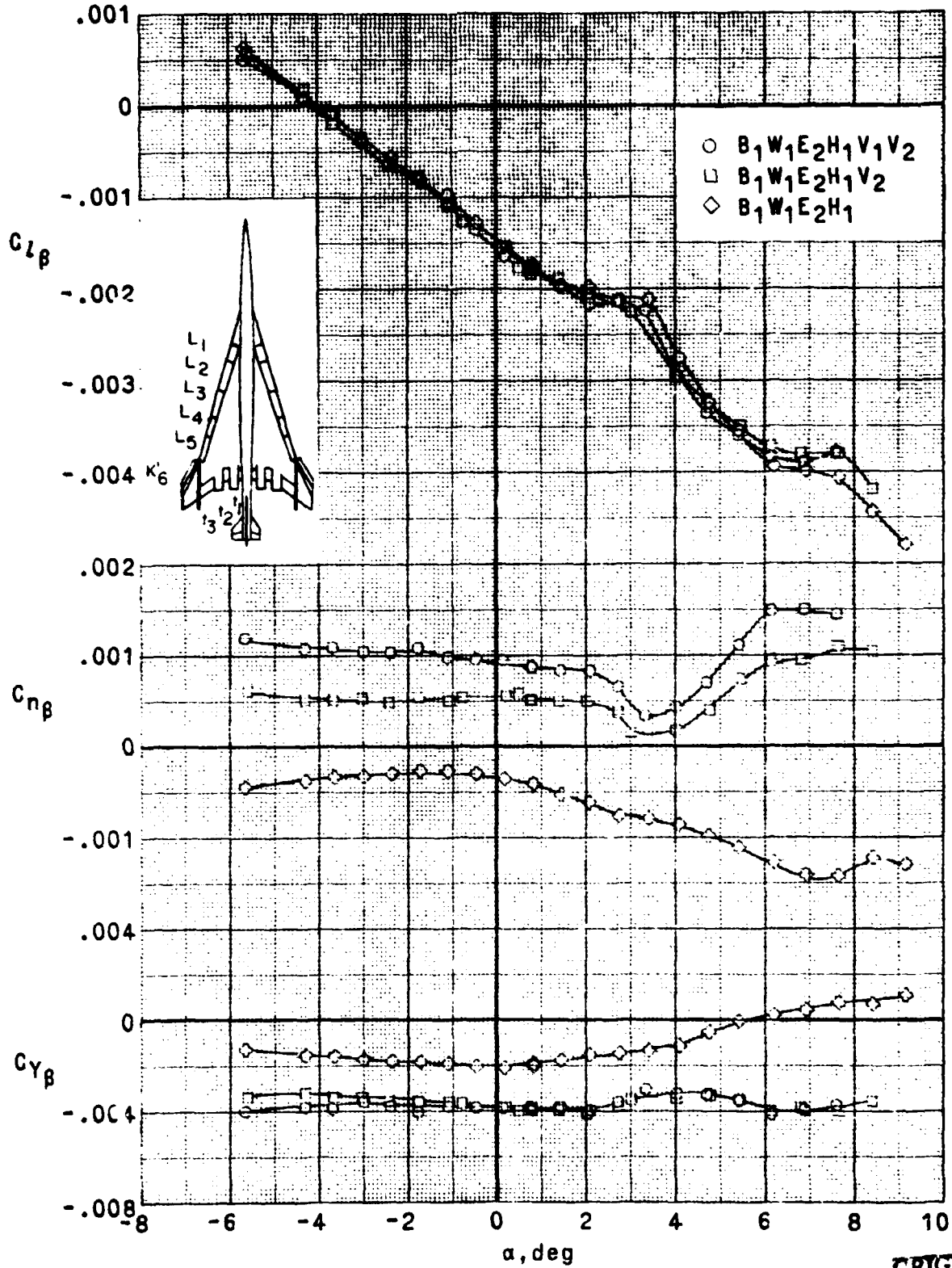


(c) M 120. Continued  
 Figure 17.- Continued.



(c) M - 1.20. Concluded.

Figure 17. Concluded.

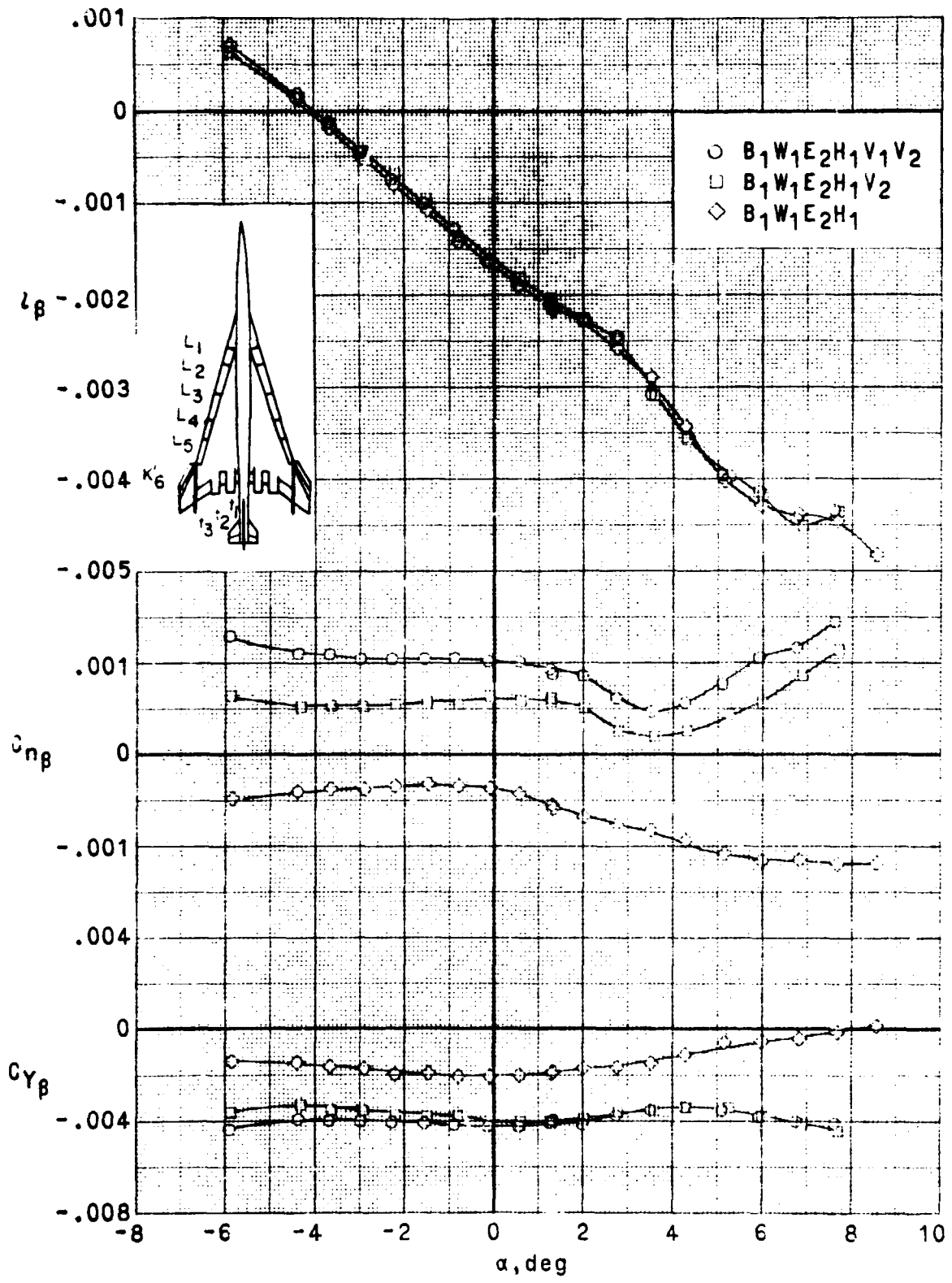


(a)  $M = 0.60$

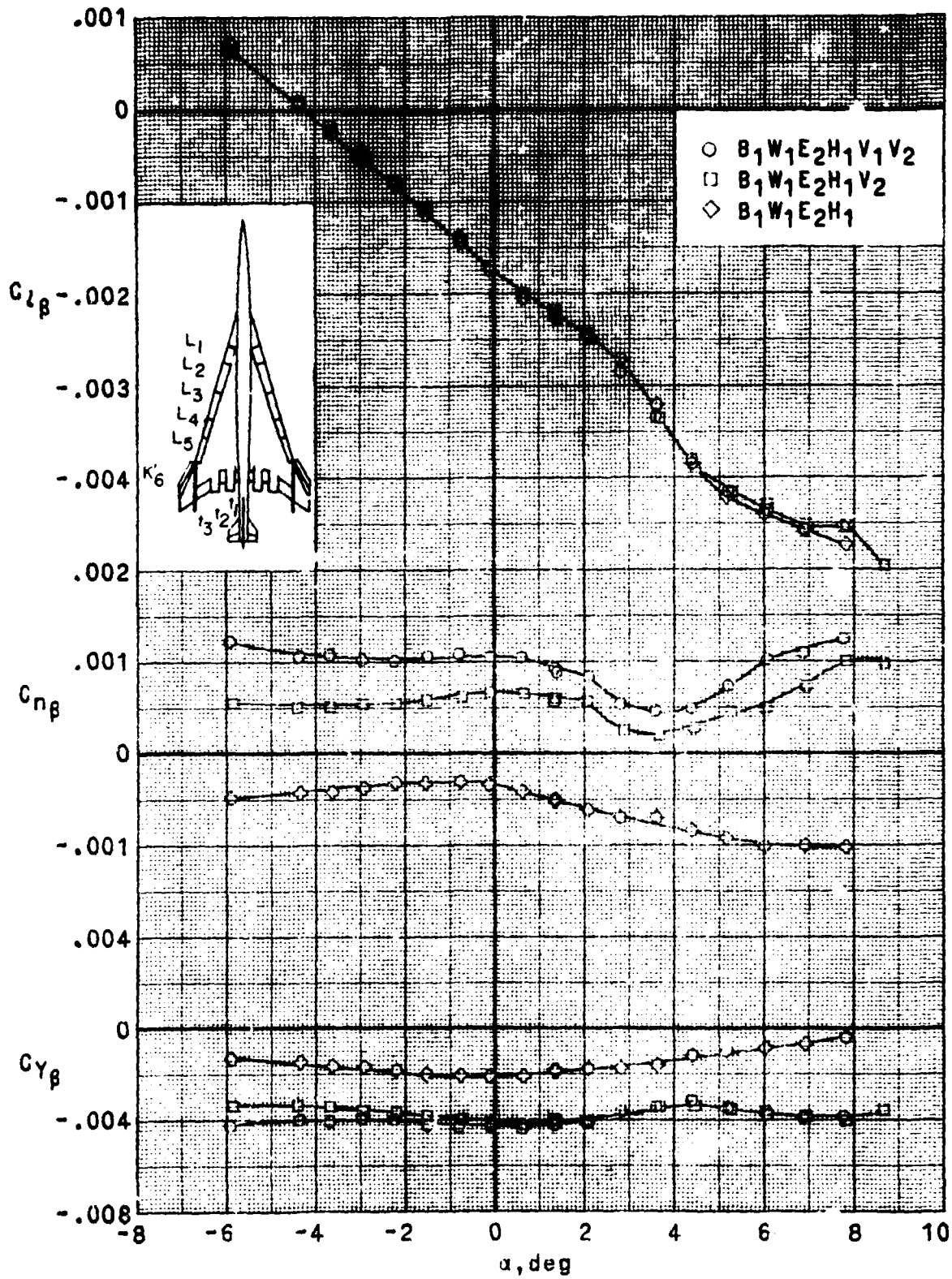
Figure 18. Effects of center line and outboard vertical tails on the lateral-directional stability parameters.  $\delta_{L1,2} = 15^\circ$ ;  $\delta_{L3,4,5} = 0^\circ$ ;  $\delta_{t1,2,3} = 5^\circ$ ;  $\delta_{tip} = 60^\circ$ ;  $\delta_{K'6} = 20^\circ$ .

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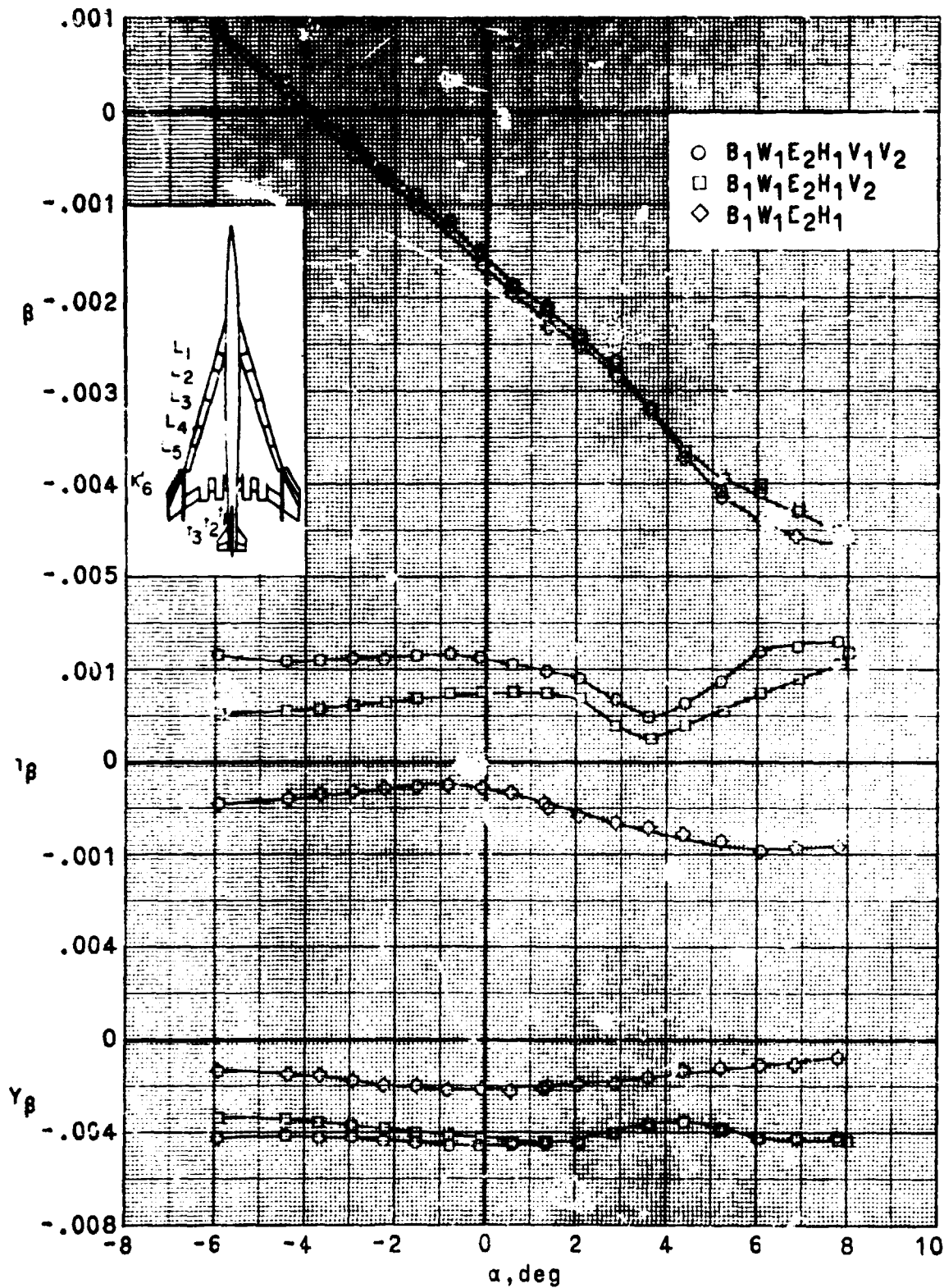
(b)  $M = 0.90$ .



(c)  $M = 0.95$

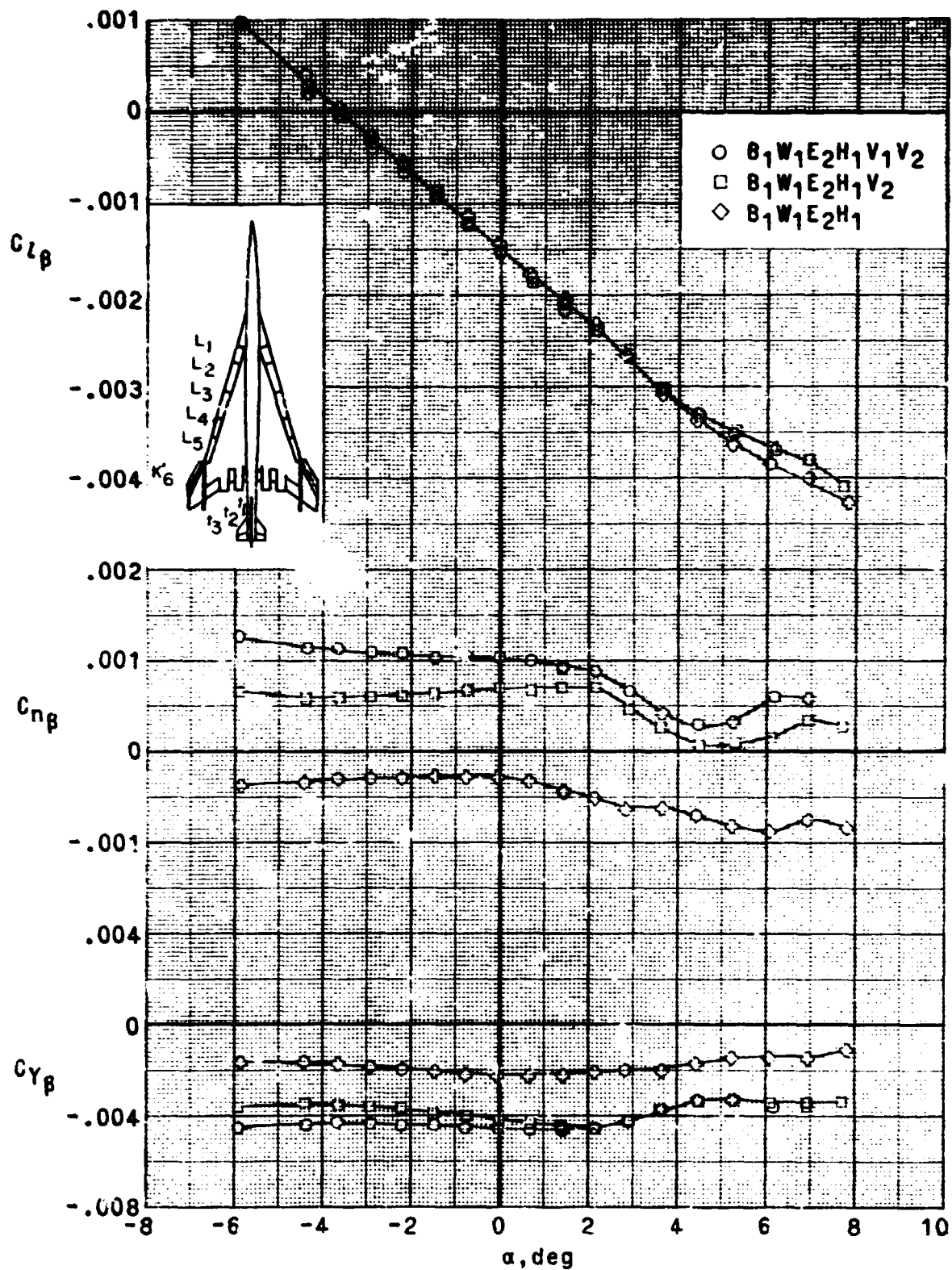
Figure 18 - Continued.

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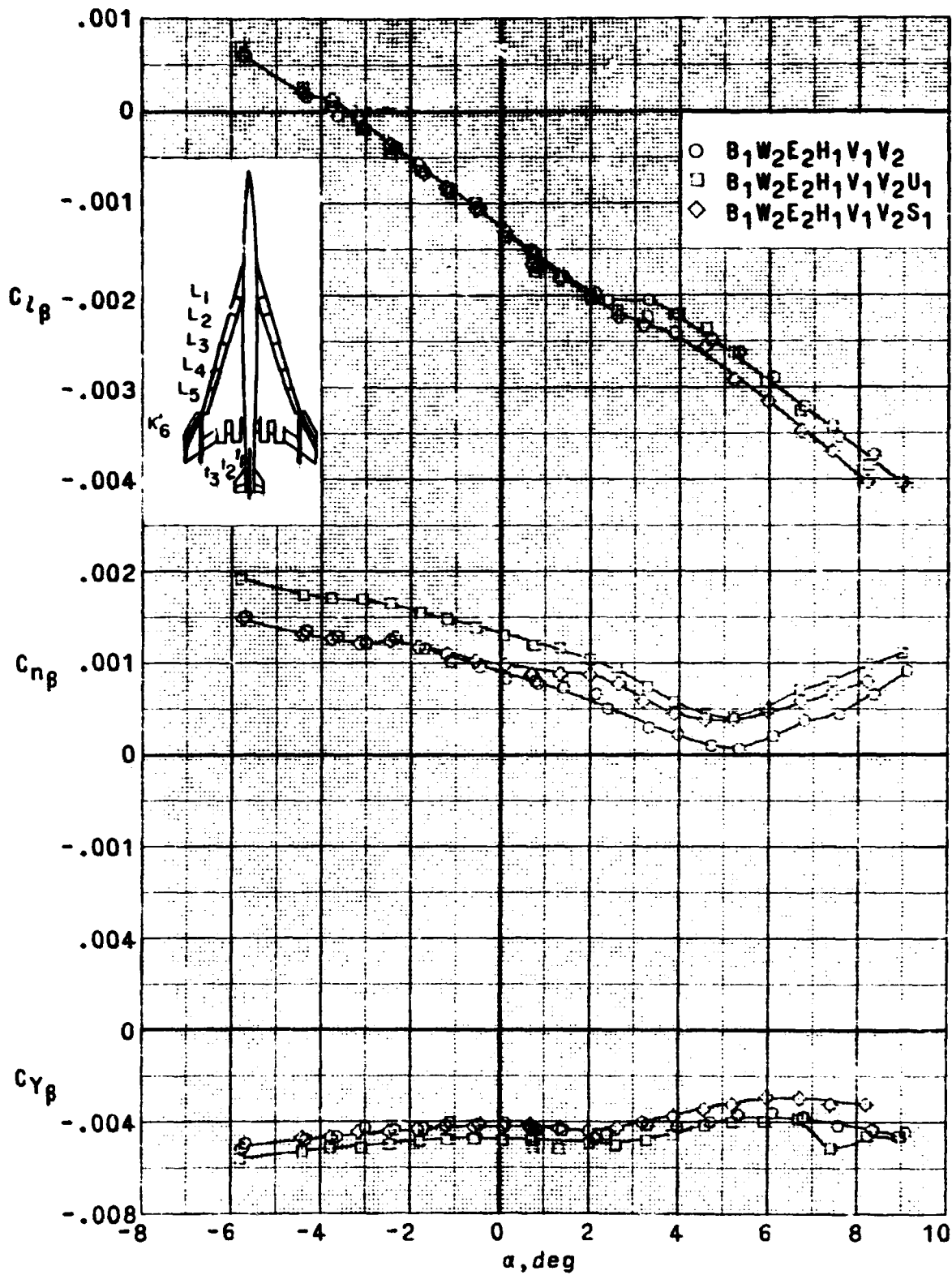
(d)  $M = 1.00$ .

Figure 18. Continued.



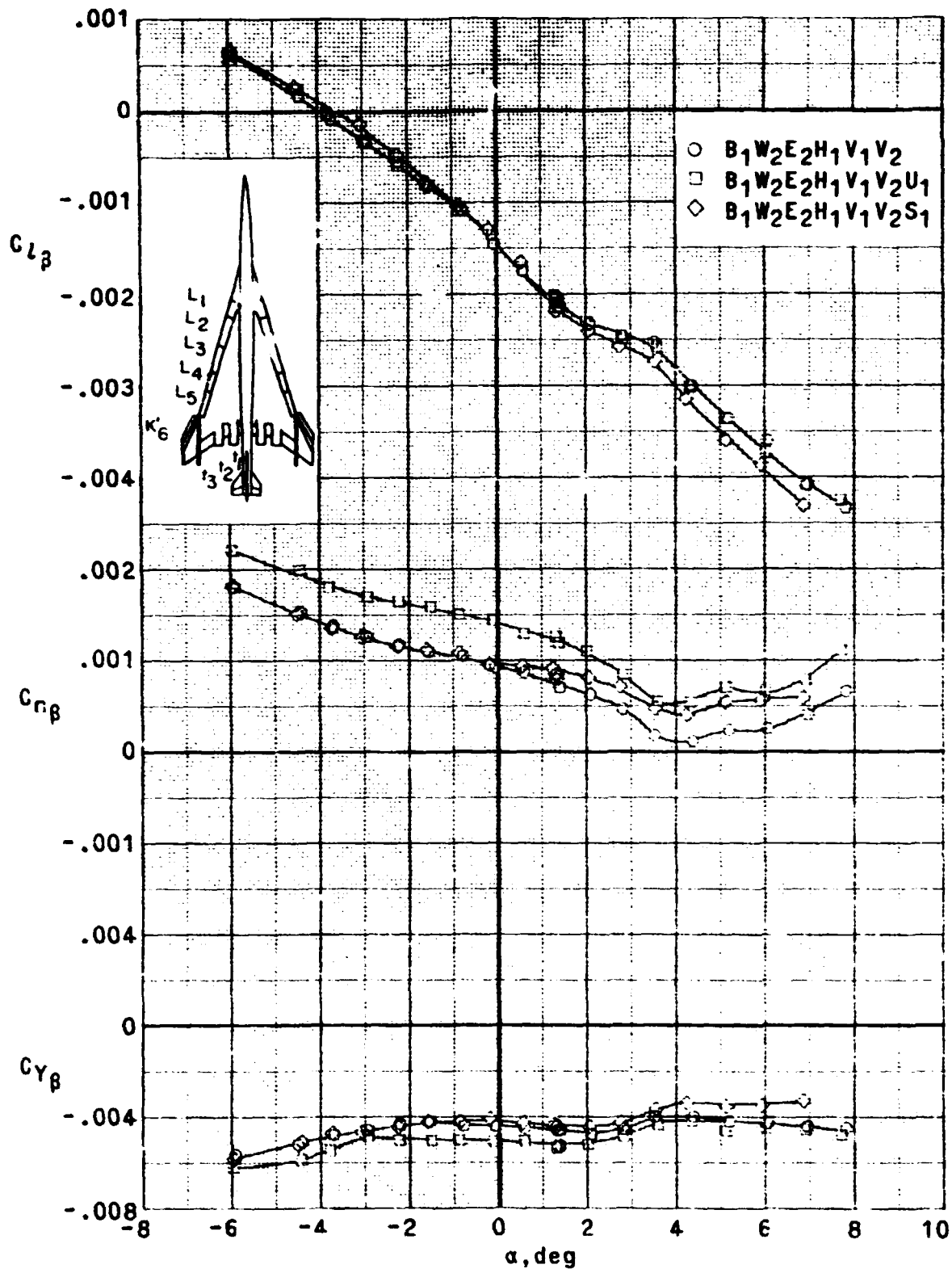
(e)  $M = 1.20$ .

Figure 18.- Concluded.



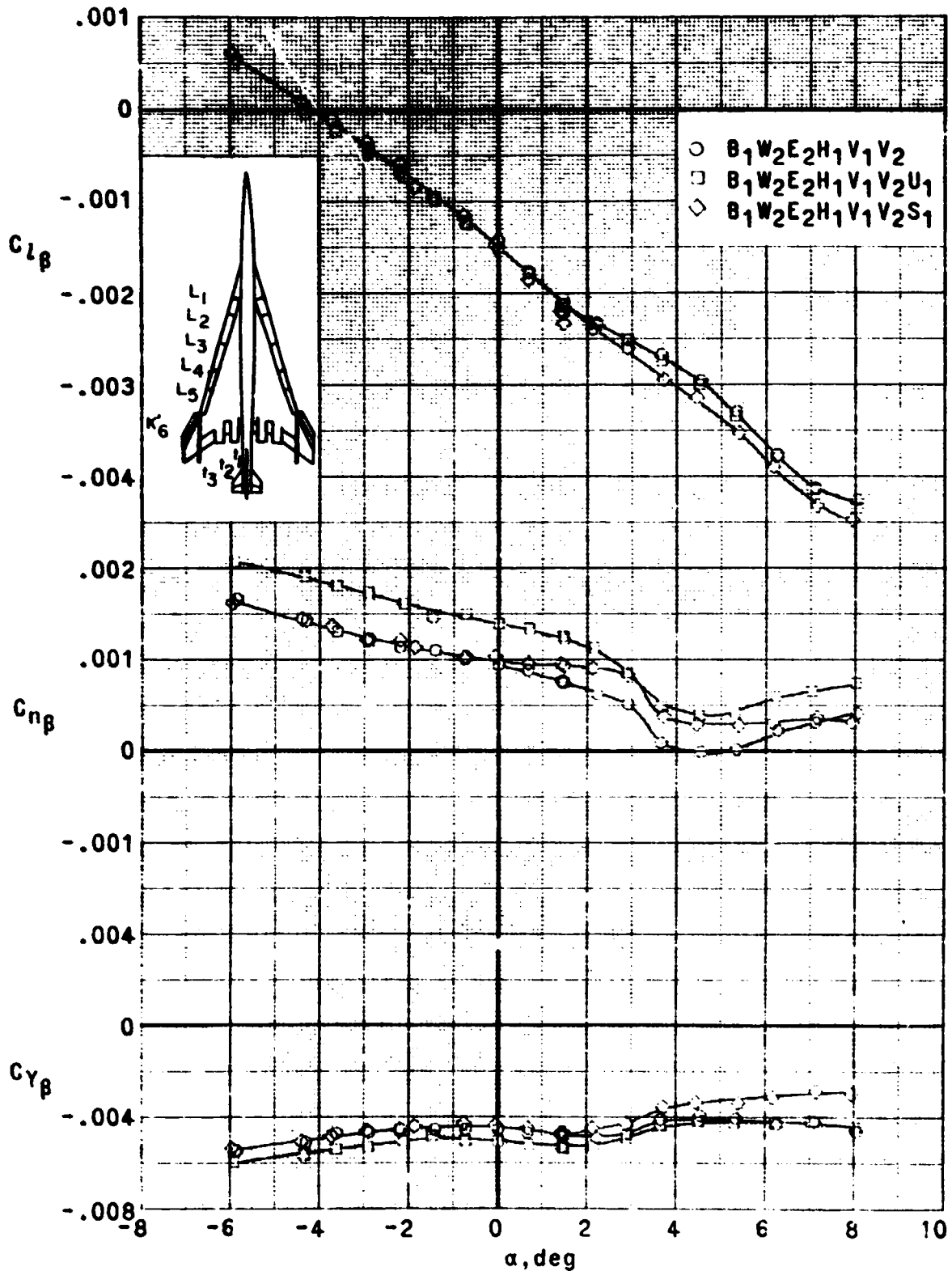
(a)  $M = 6.60$ .

Figure 19.- Effects of centerline ventral fin and strakes on the lateral-directional stability parameters.  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{s1,2,3} = 0^\circ$ ;  $\Lambda_{tip} = 60^\circ$ ;  $\delta_{K'6} = 20^\circ$ .



(b)  $M = 0.95$ .

Figure 19.- Continued.



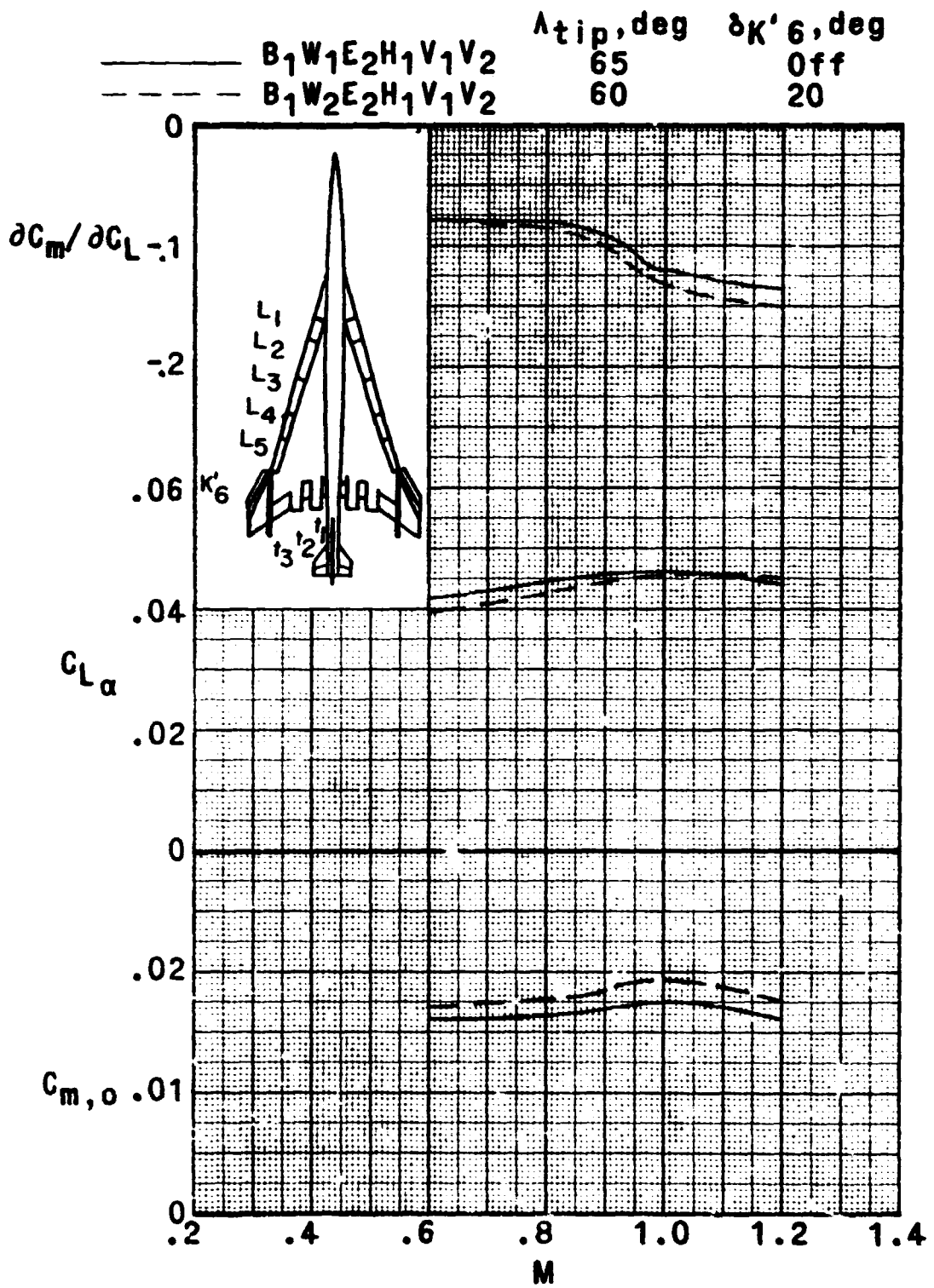


Figure 20.- Summary of longitudinal parameters with Mach number.  
 $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{t1,2,3} = 0^\circ$ . ( $C_{L\alpha}$  and  $C_D/C_L^2$  taken  
between  $C_L = 0.1$  to  $0.3$ ;  $\partial C_m / \partial C_L$  taken over linear portion  
of  $C_m$  vs  $C_L$  curve).



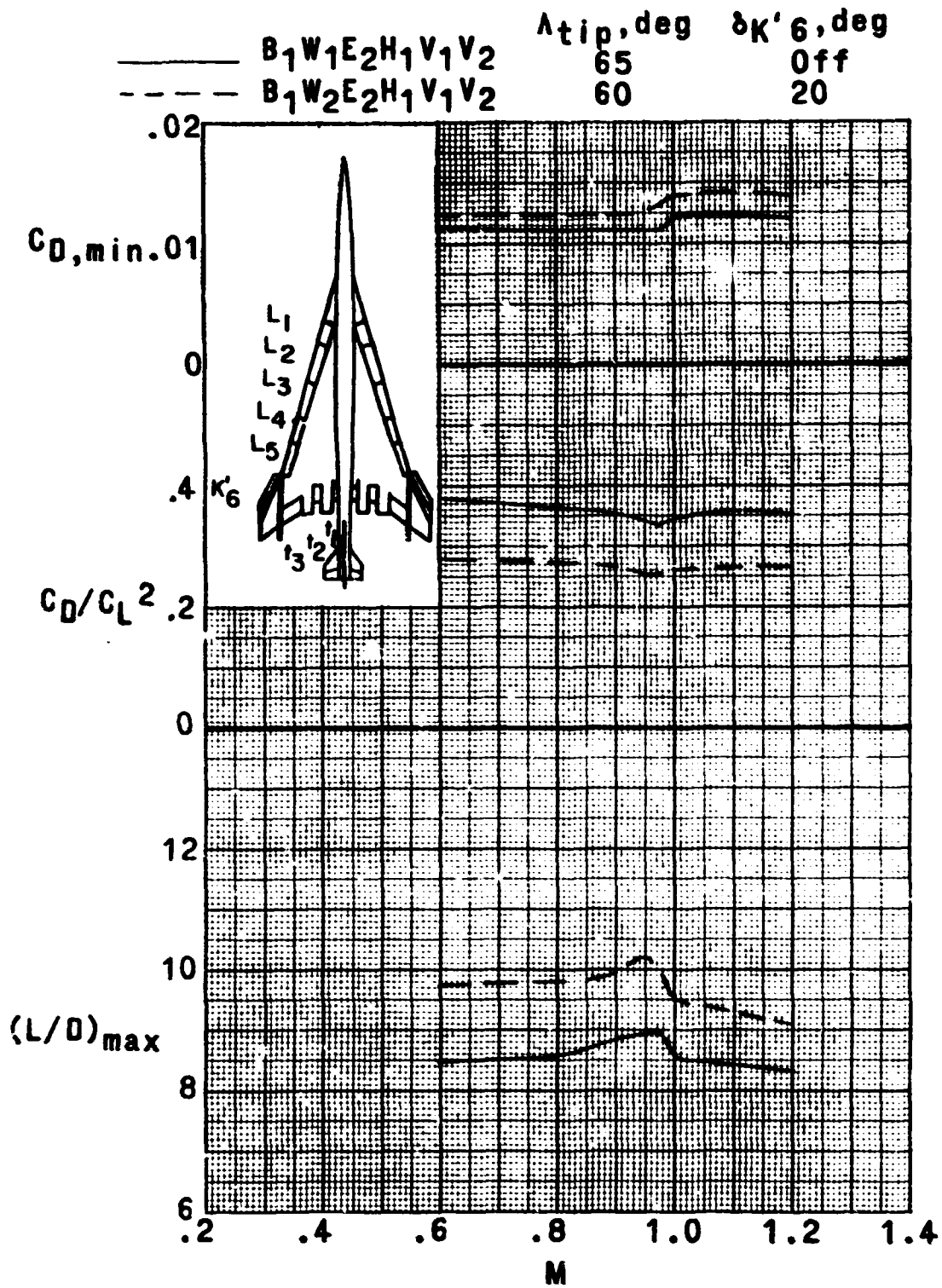
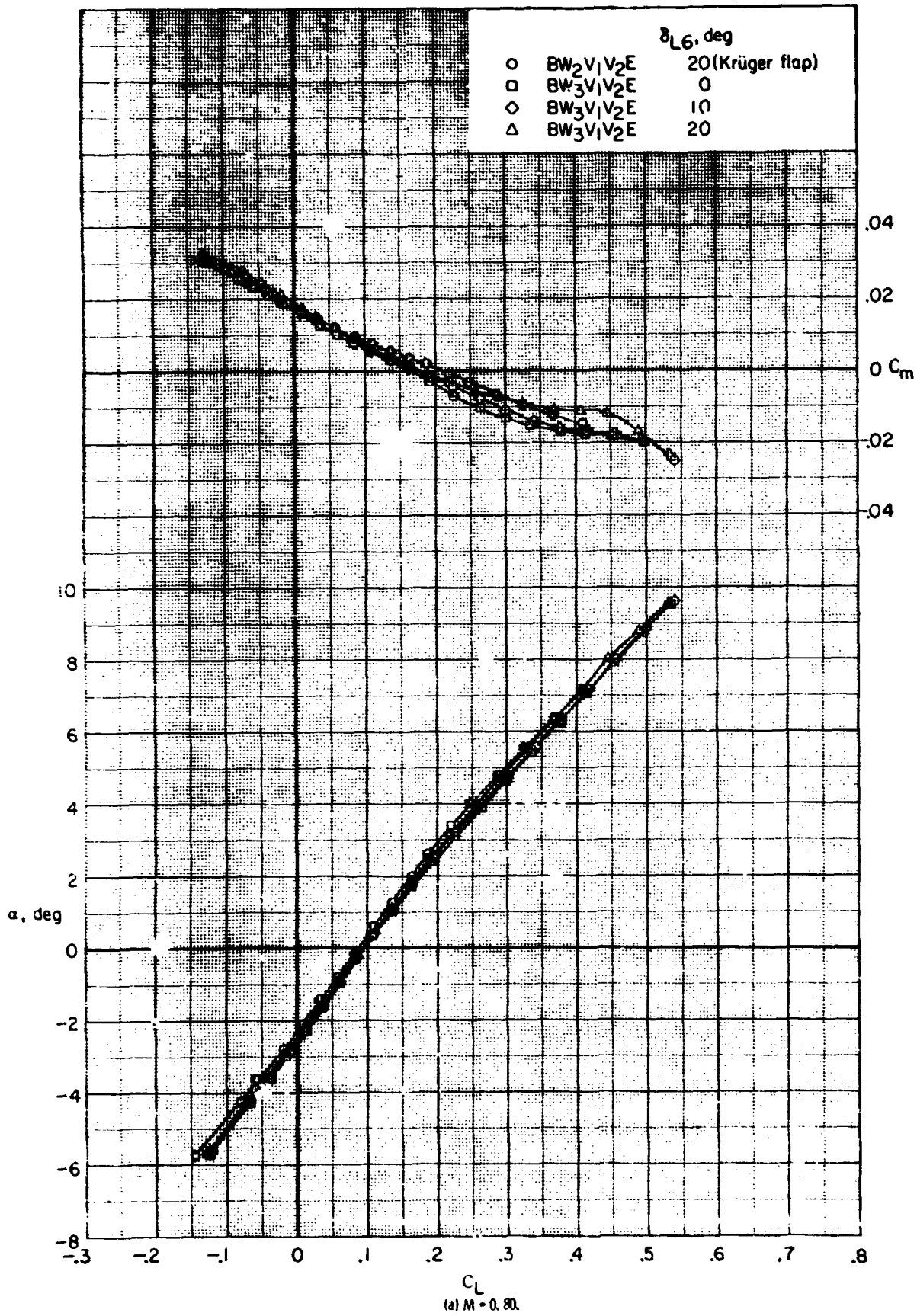
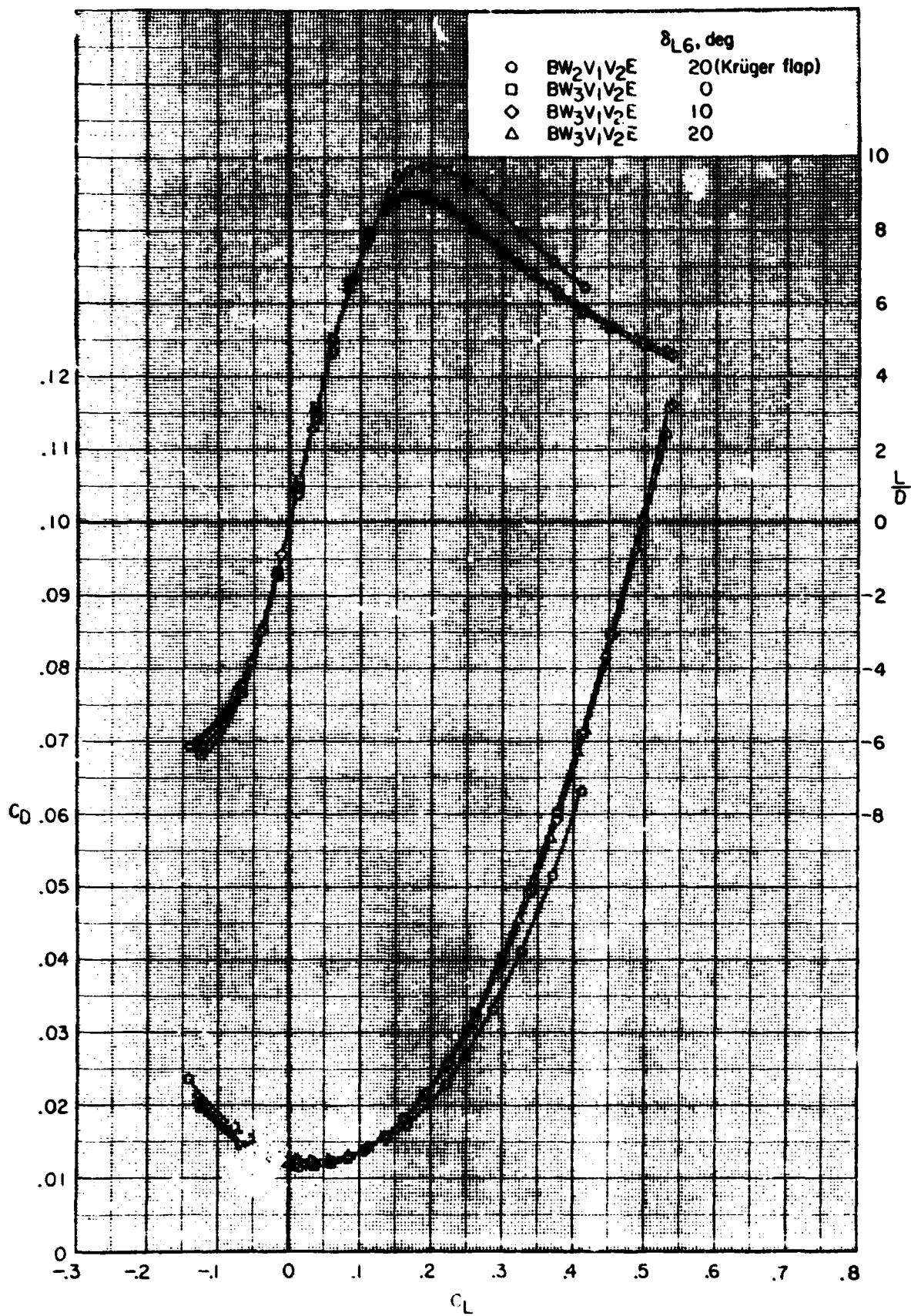


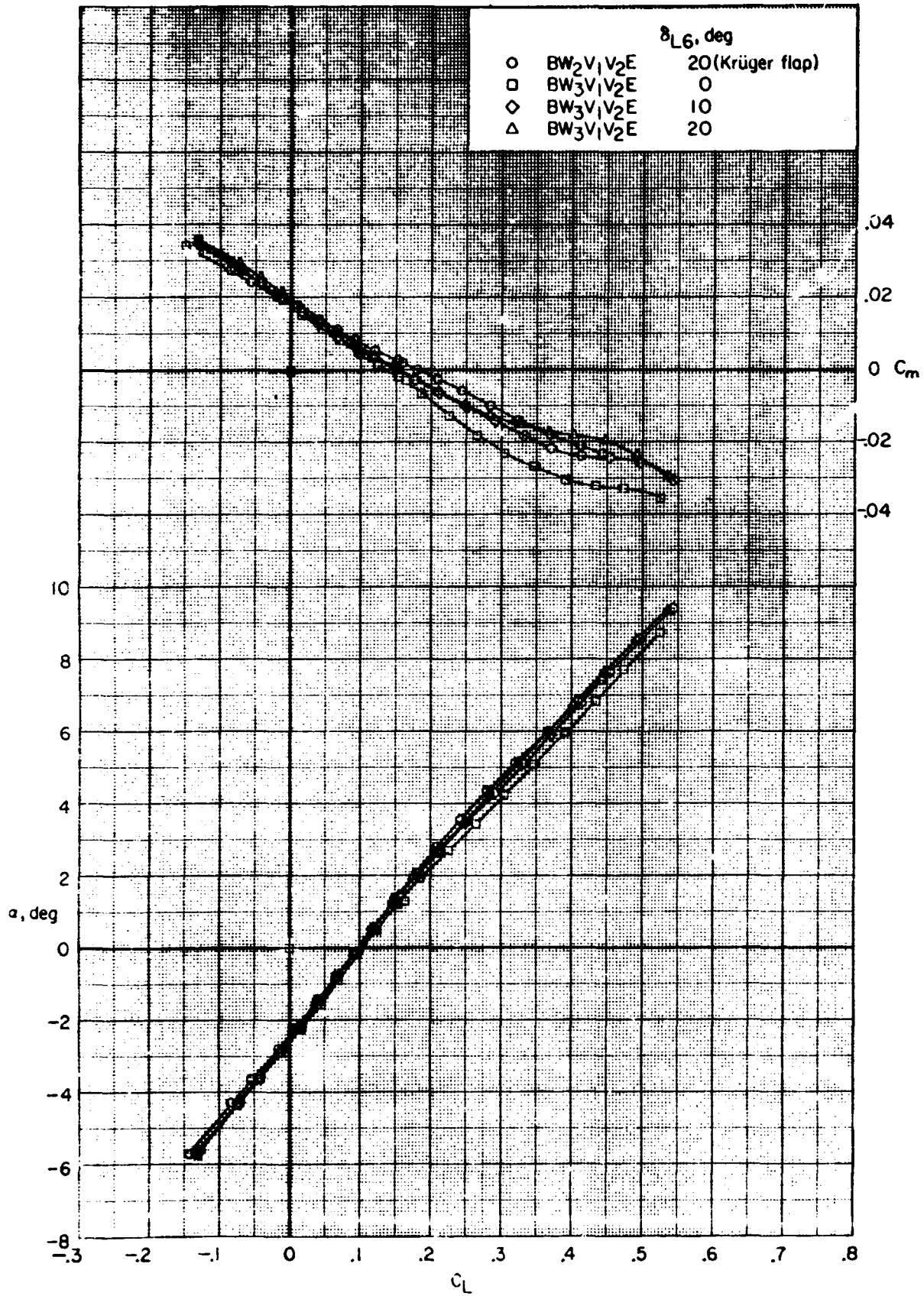
Figure 20.- Concluded.



1. Effect of wing leading-edge camber and wing-tip flap deflections on the longitudinal aerodynamic characteristics.  
 $\alpha_{1,2,3} = 0^\circ$ ;  $\delta_{1,2,3} = 0^\circ$ ;  $\Lambda_{tip} = 60^\circ$ .

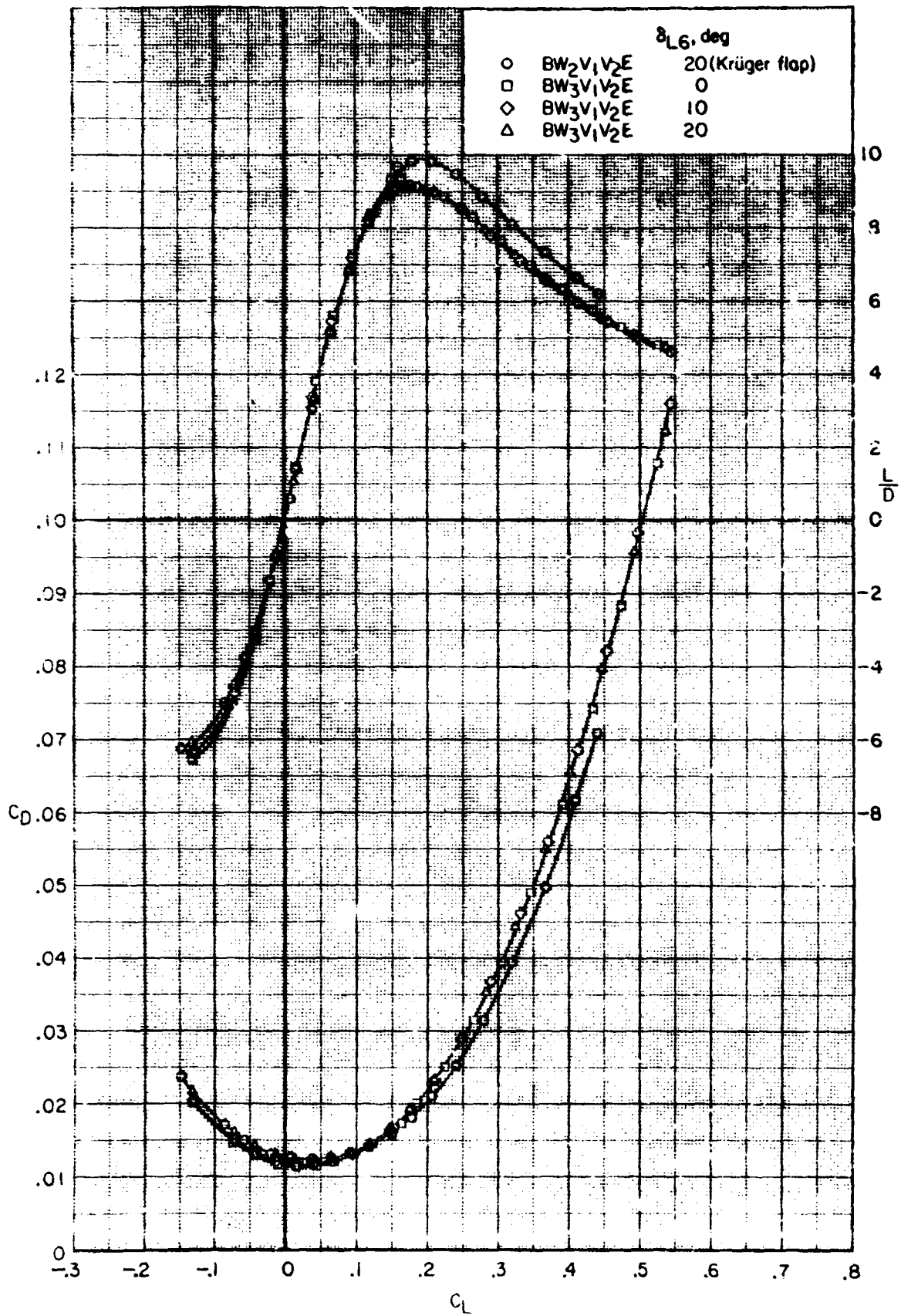


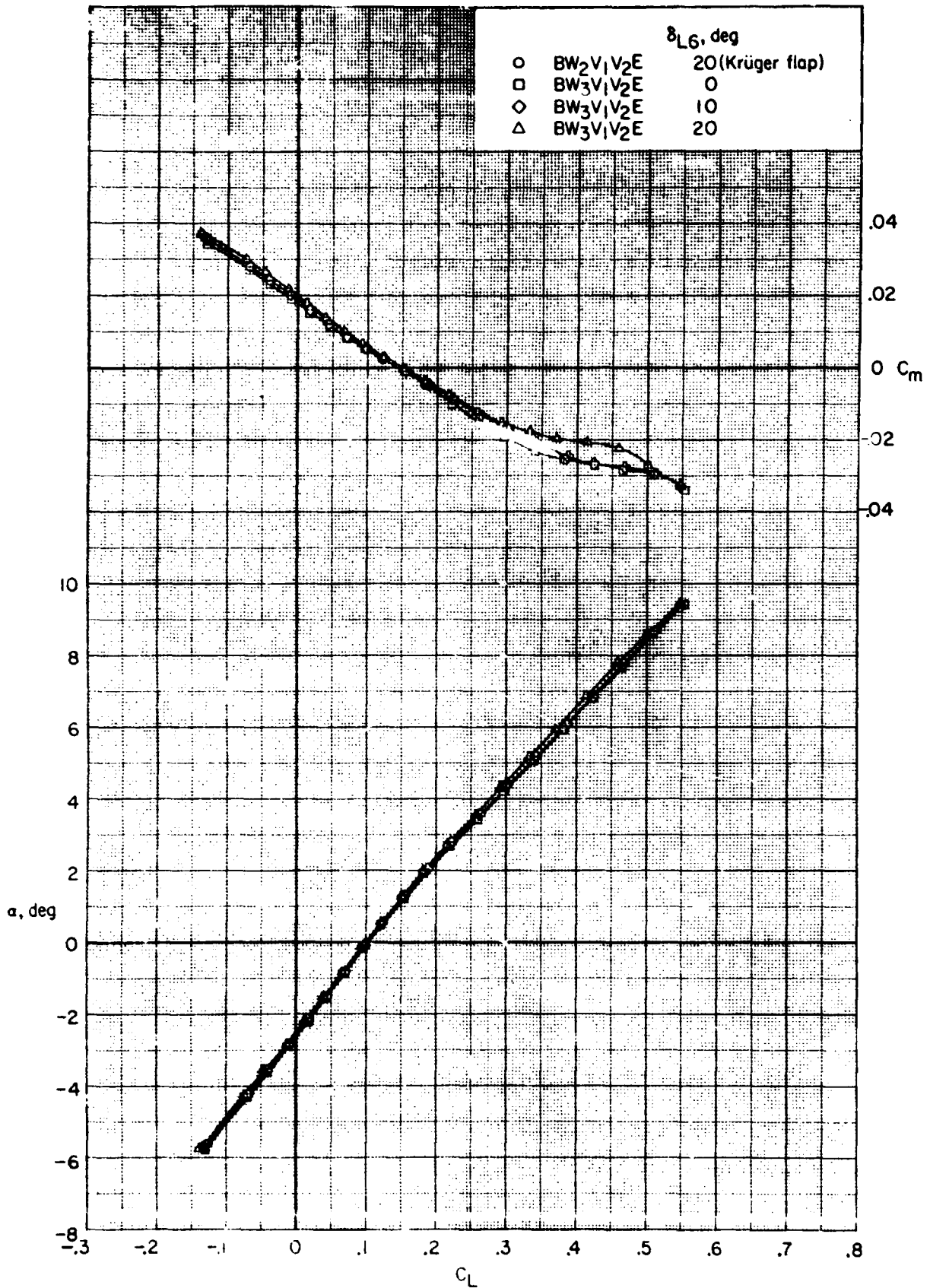
(a)  $M = 0.80$ . Concluded.



(b)  $M = 0.90$ .

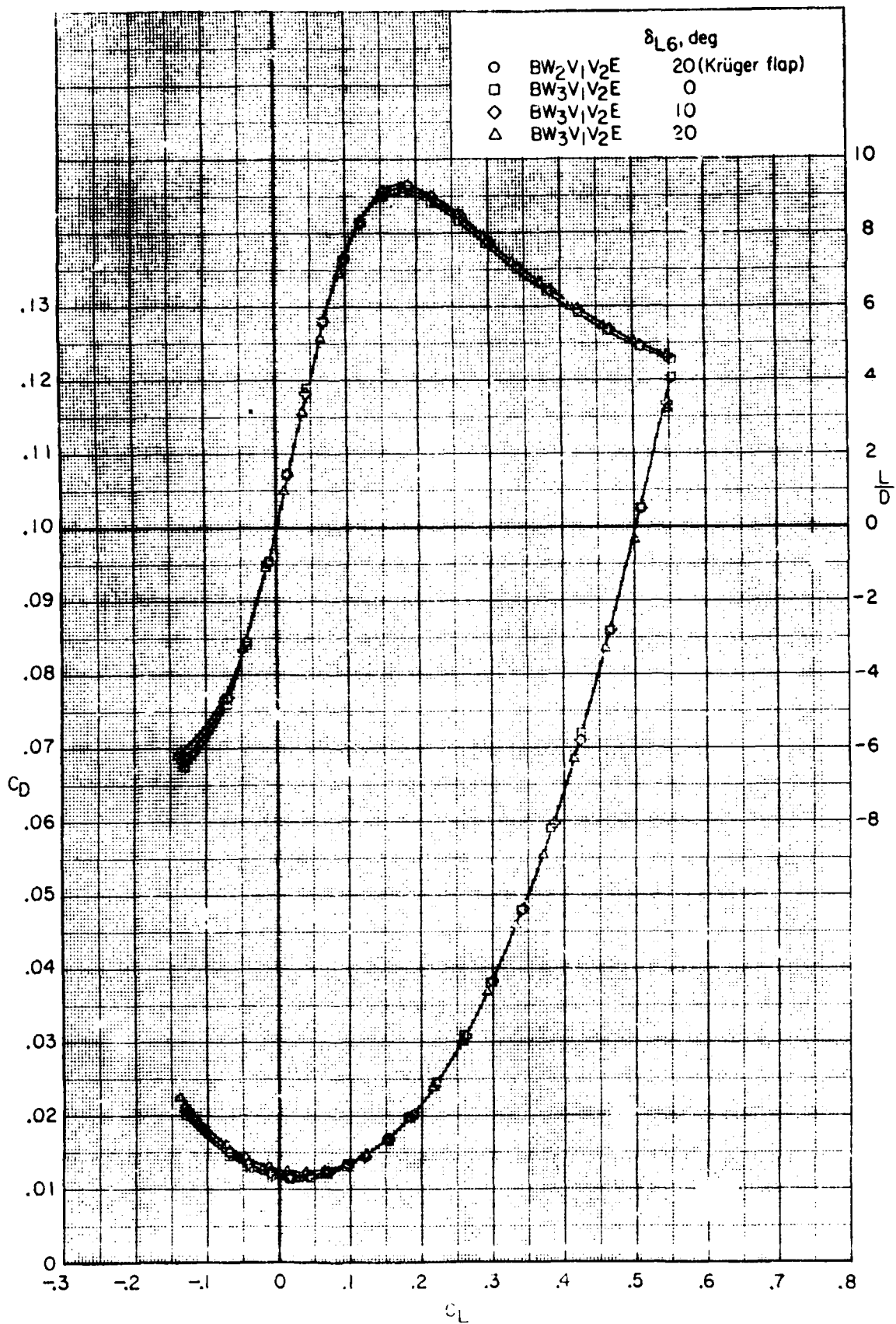
Figure 21. - Continued.





(1)  $M = 0.925$ .

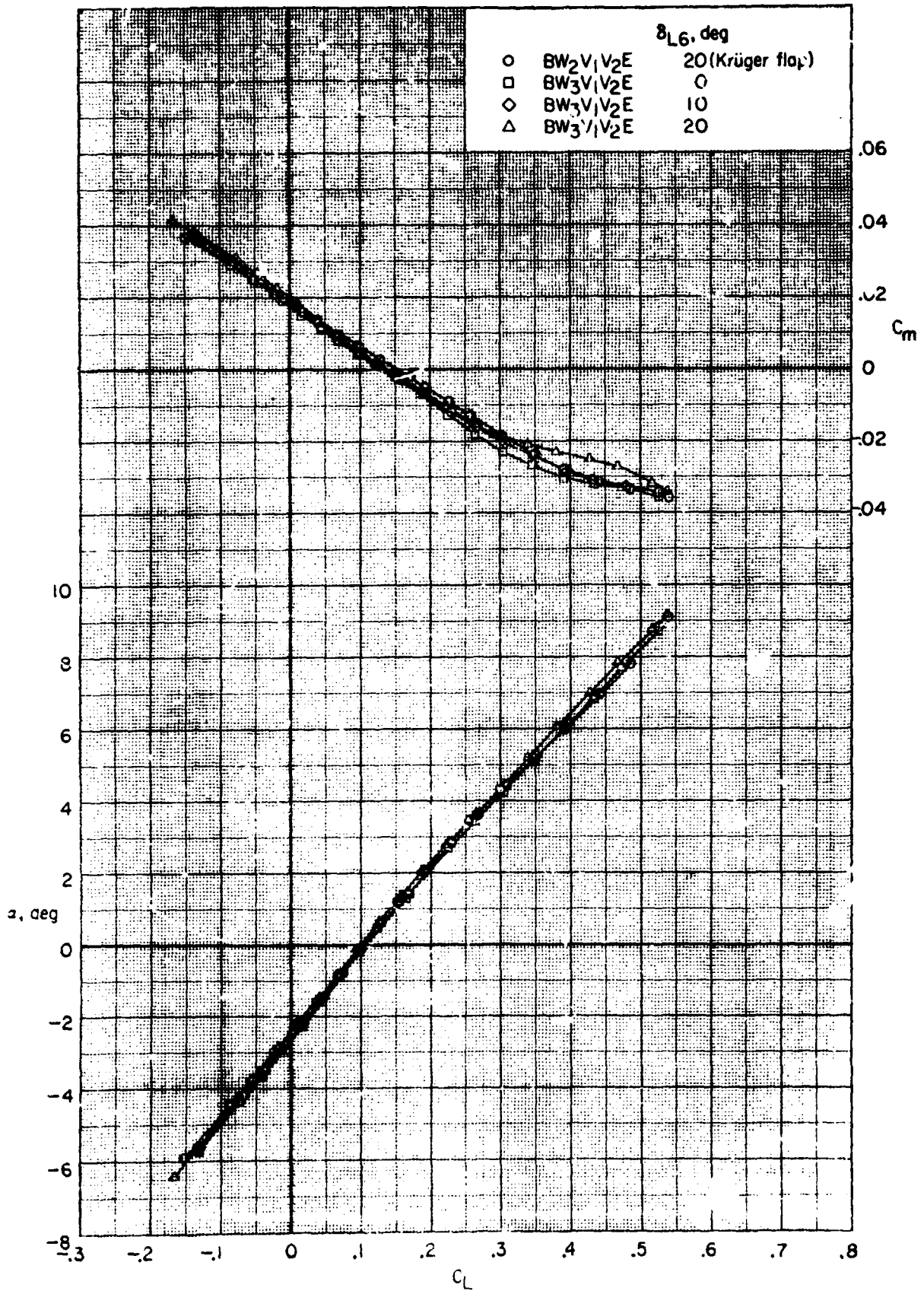
Figure 21. - Continued.



(c)  $M = 0.925$ . Concluded.

Figure 21. - Continued.

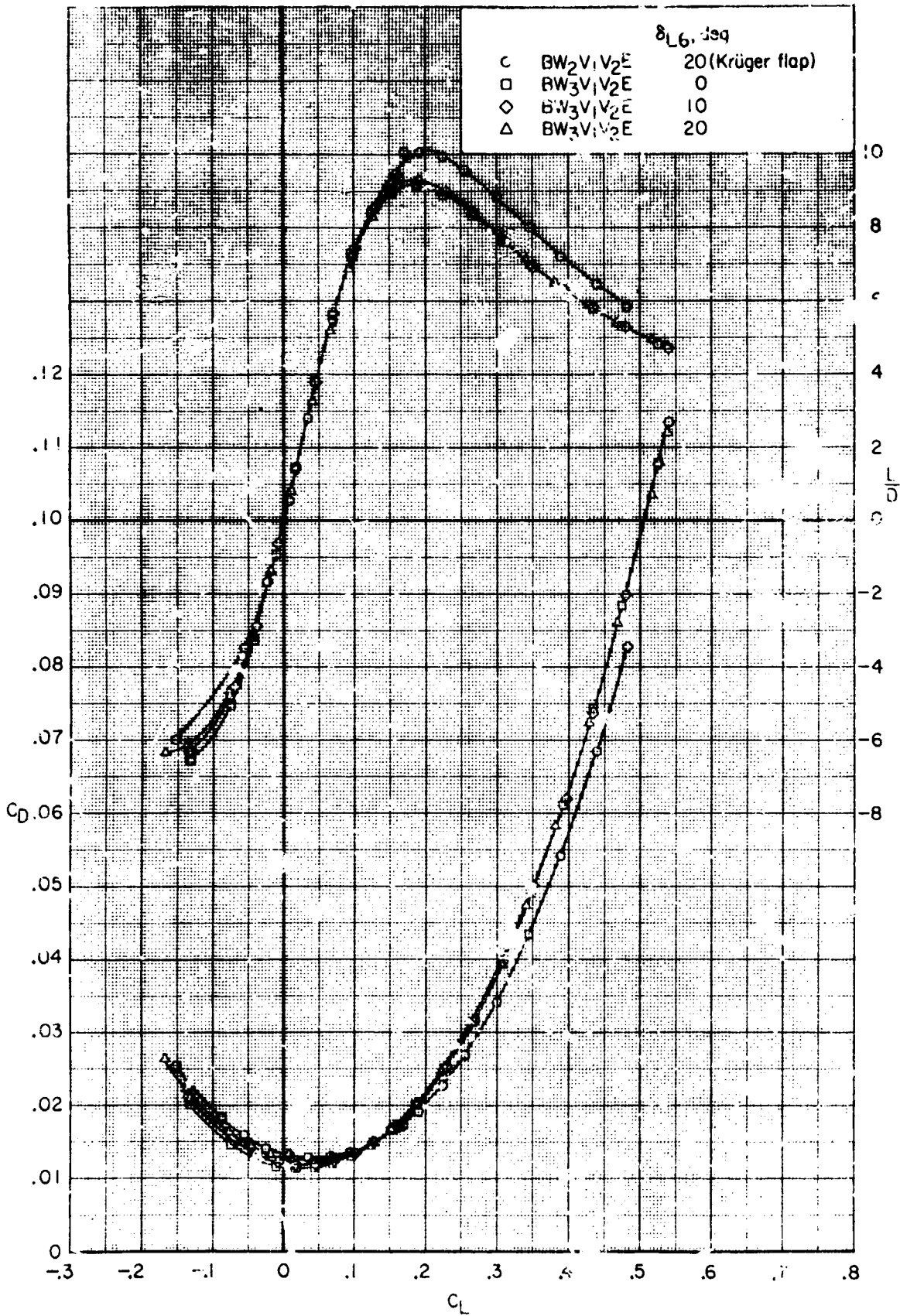




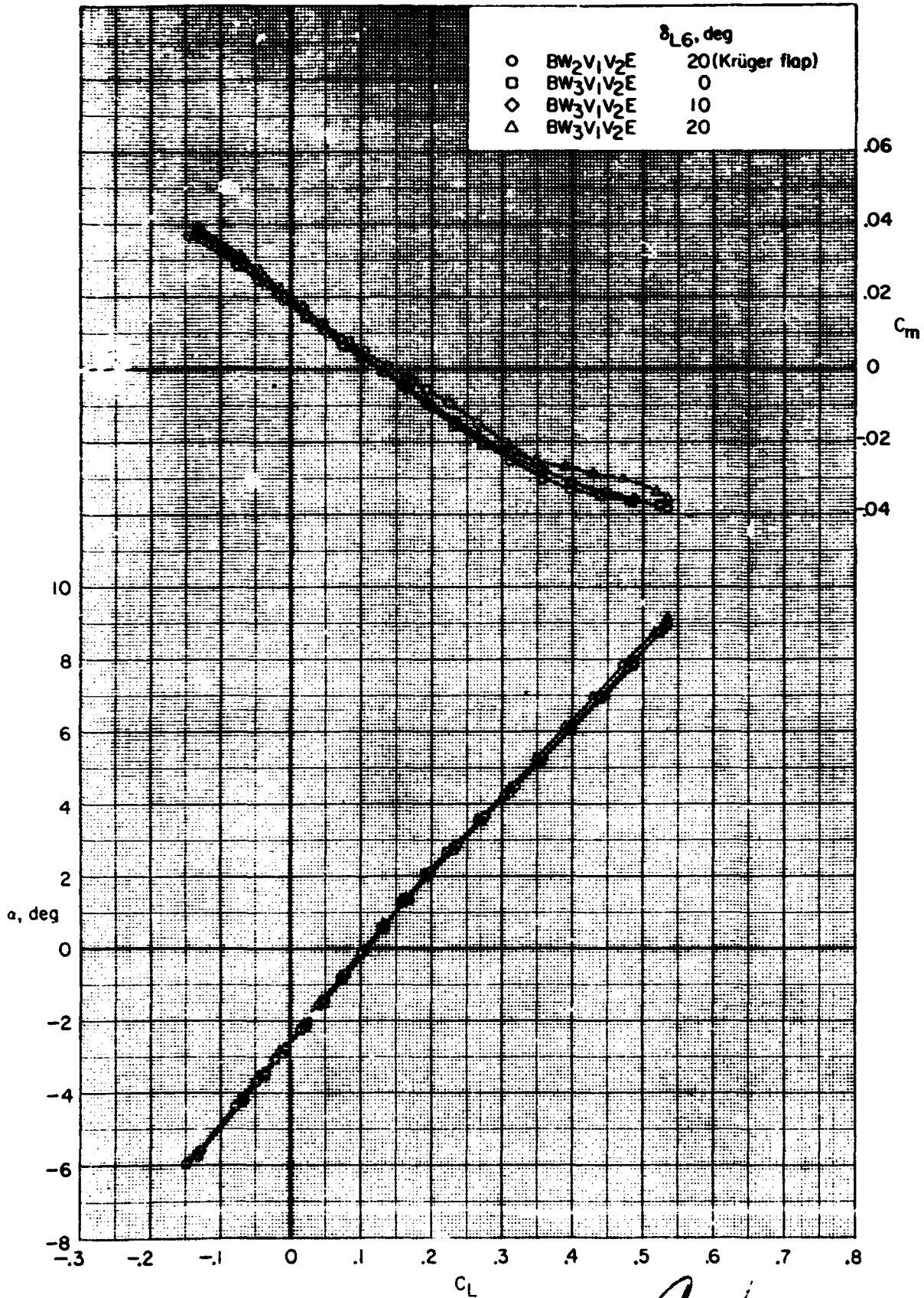
(d) M = 0.95.

Figure 21. - Continued.





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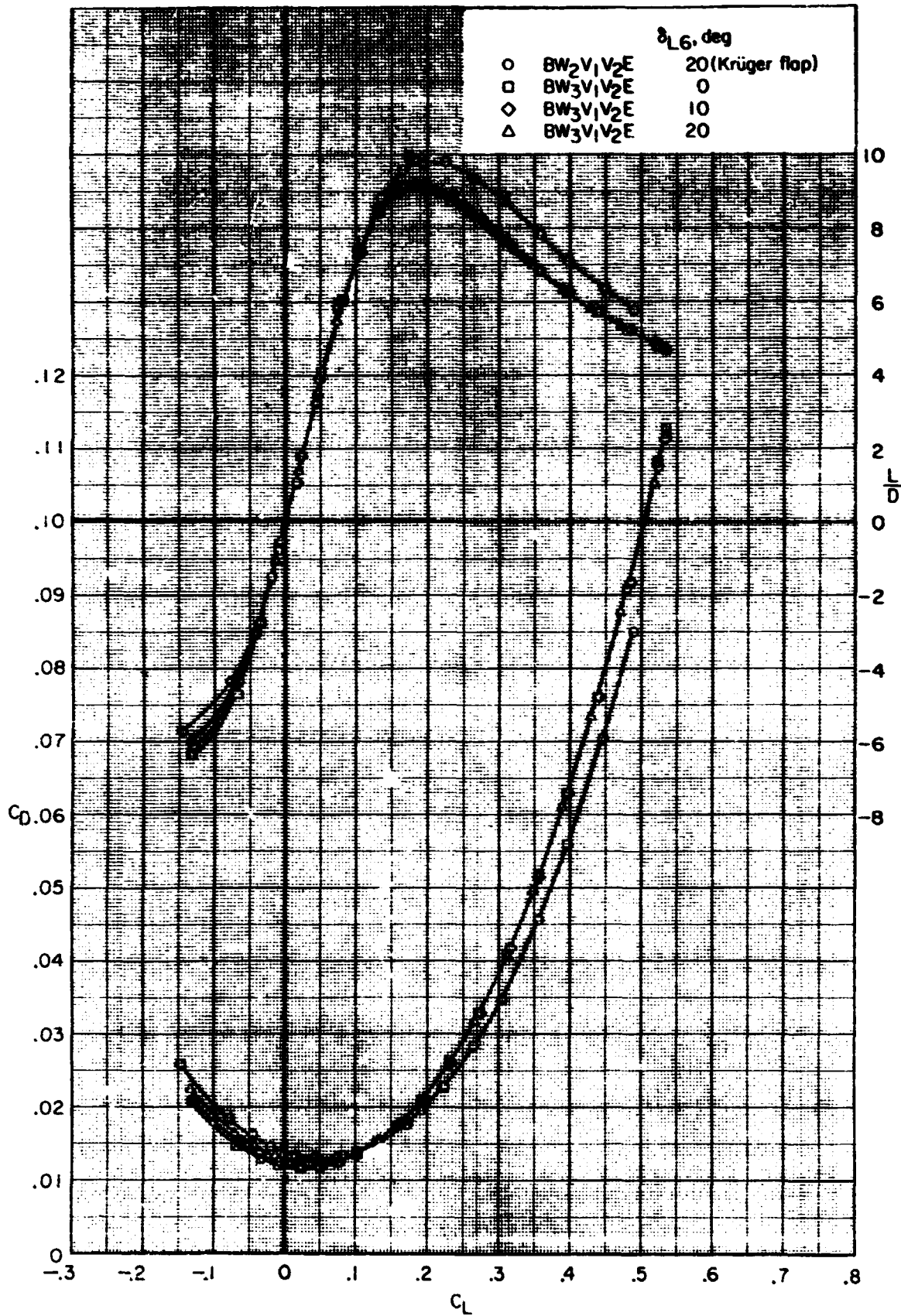


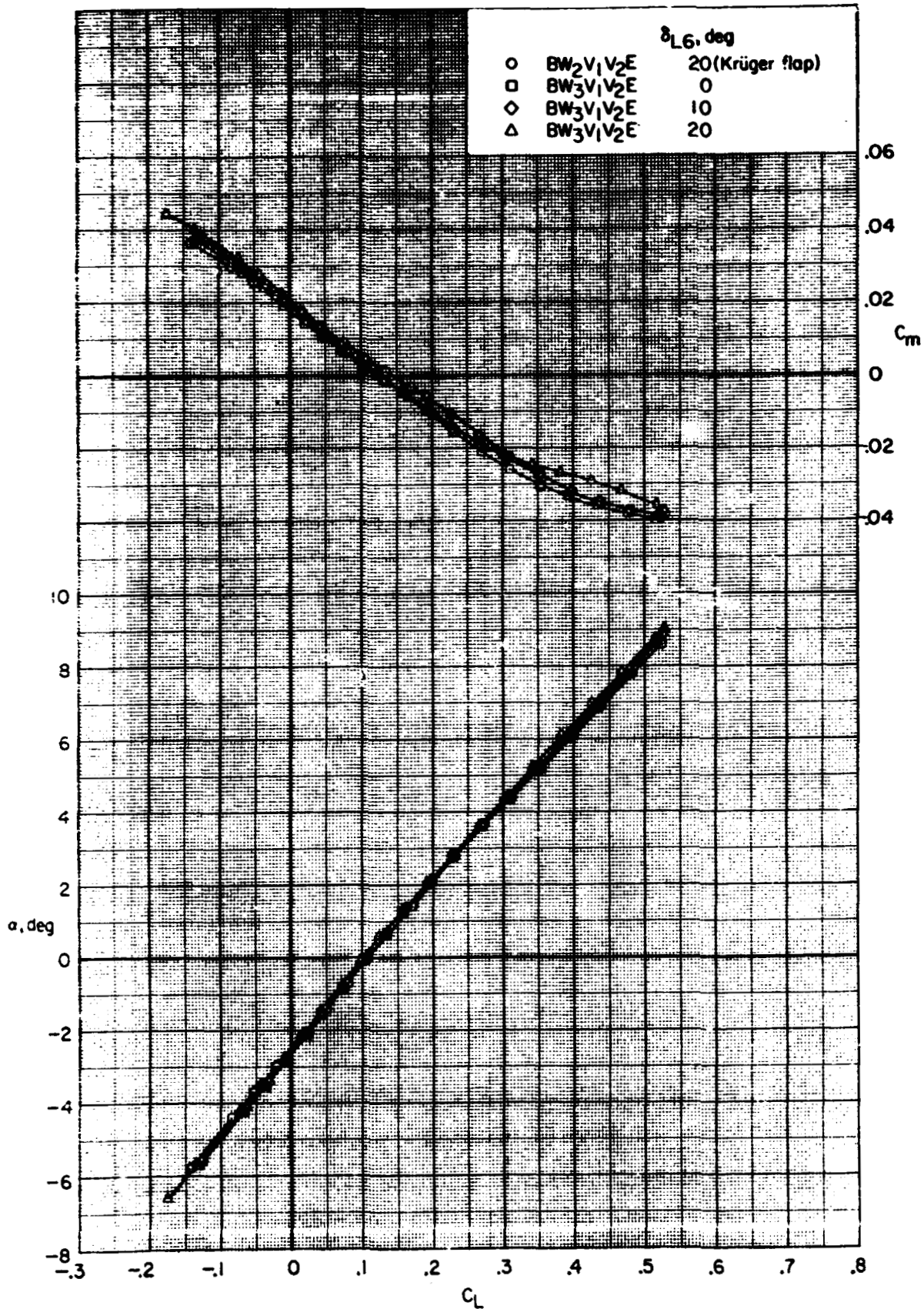
(e) M = 0.975.

*C-4*

Figure 21. - Continued.

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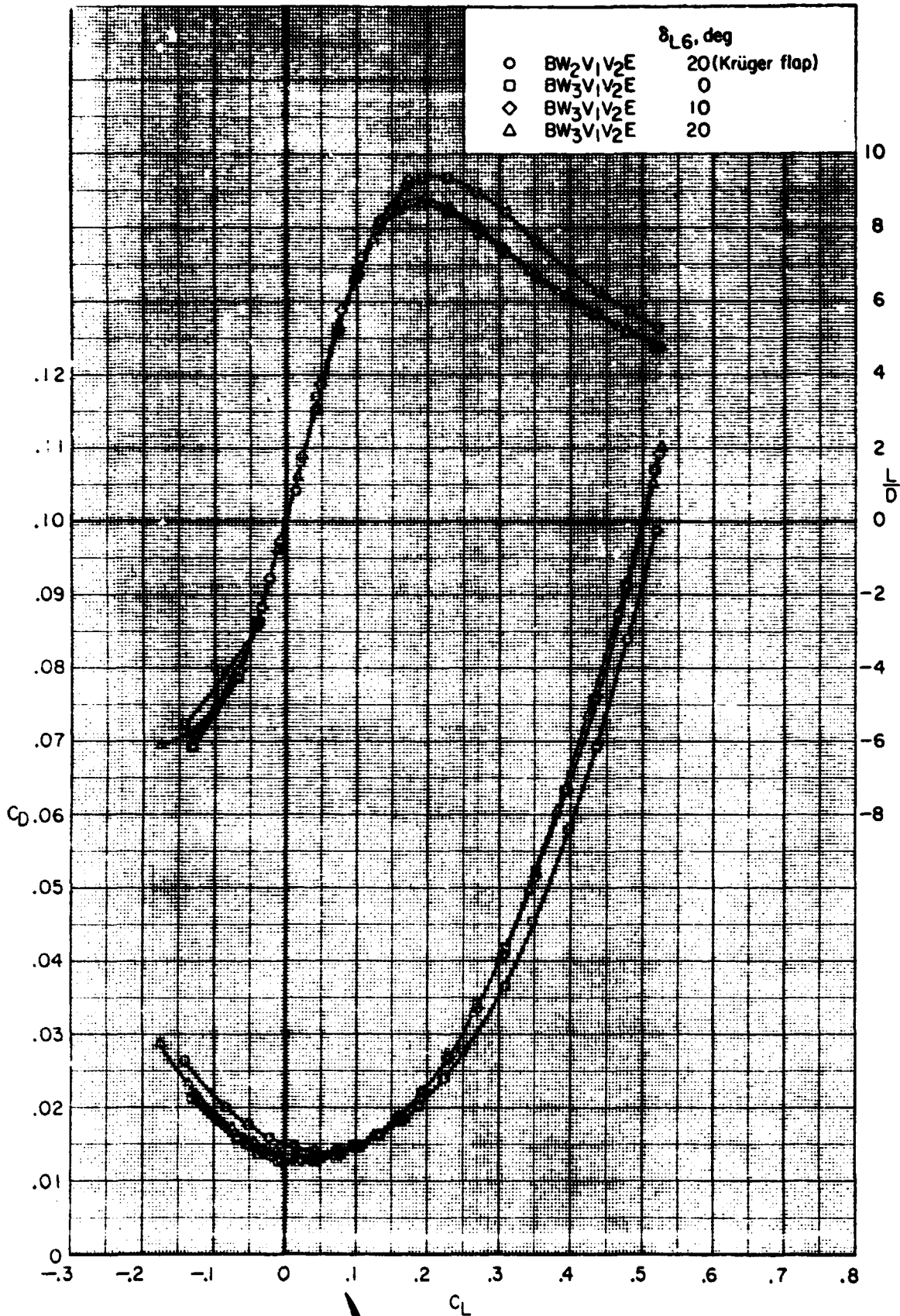




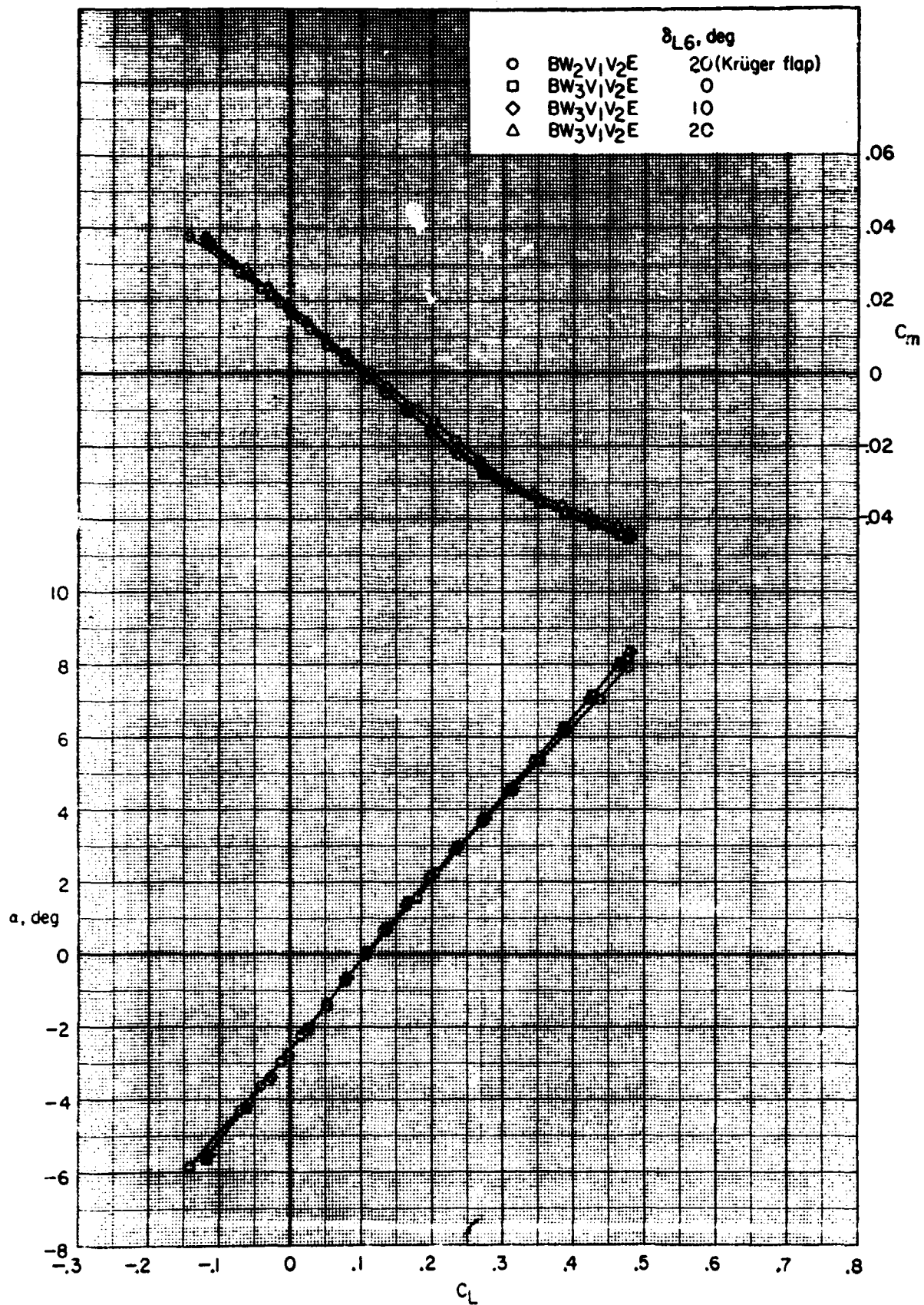
(f)  $M = 1.00$ .

Figure 21. - Continued.

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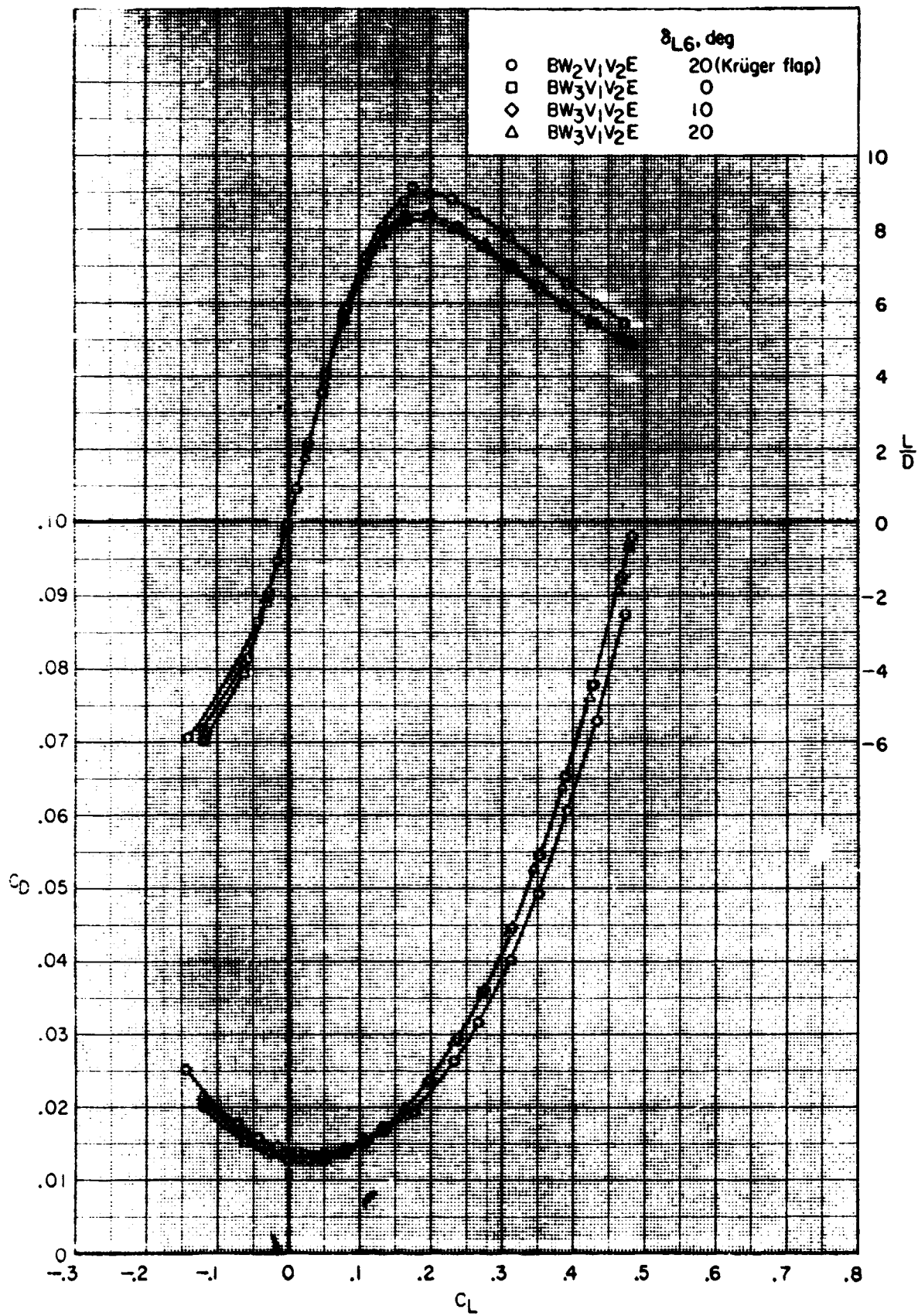




(g)  $M = 1.20$ .

Figure 21. - Continued.

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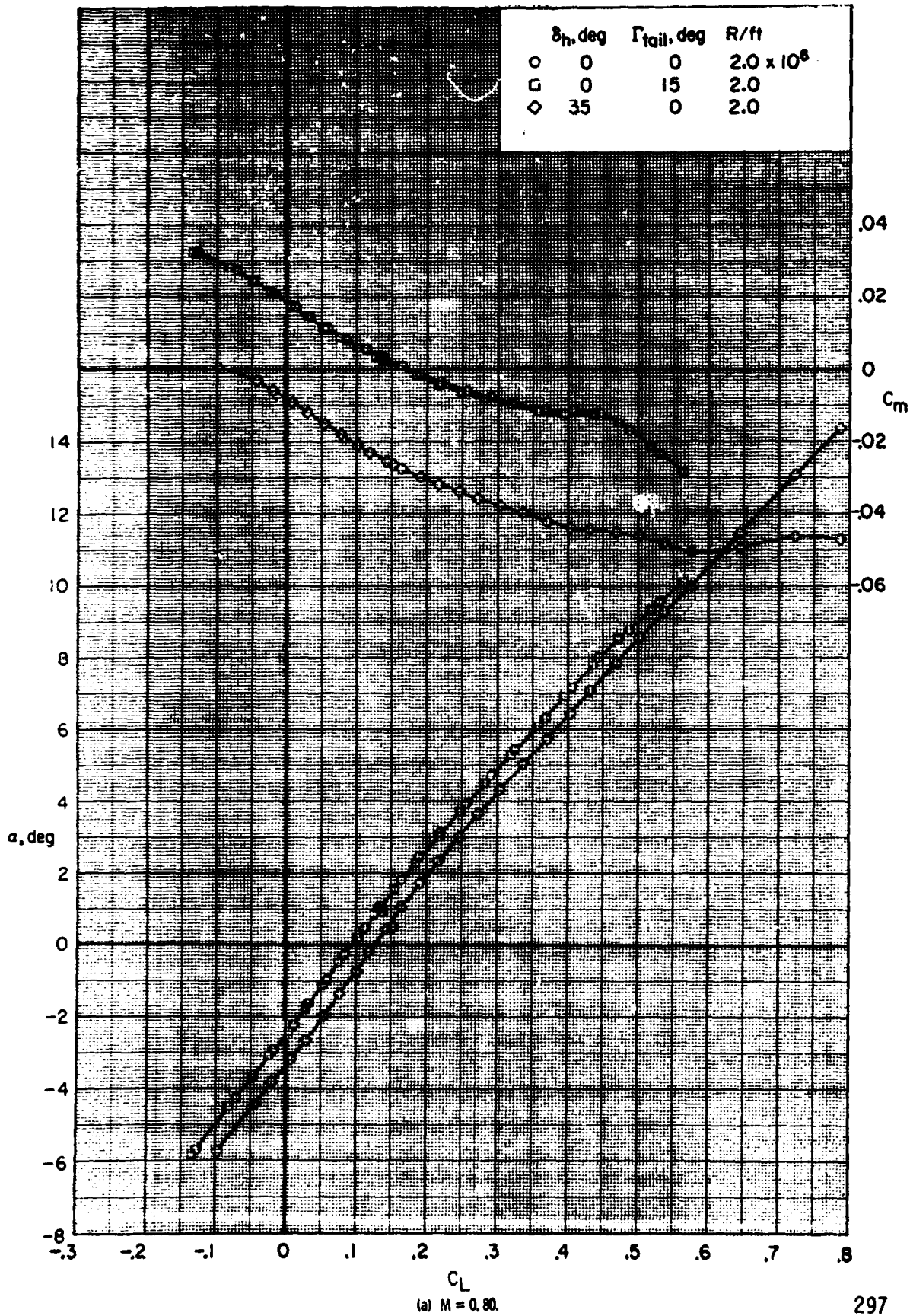
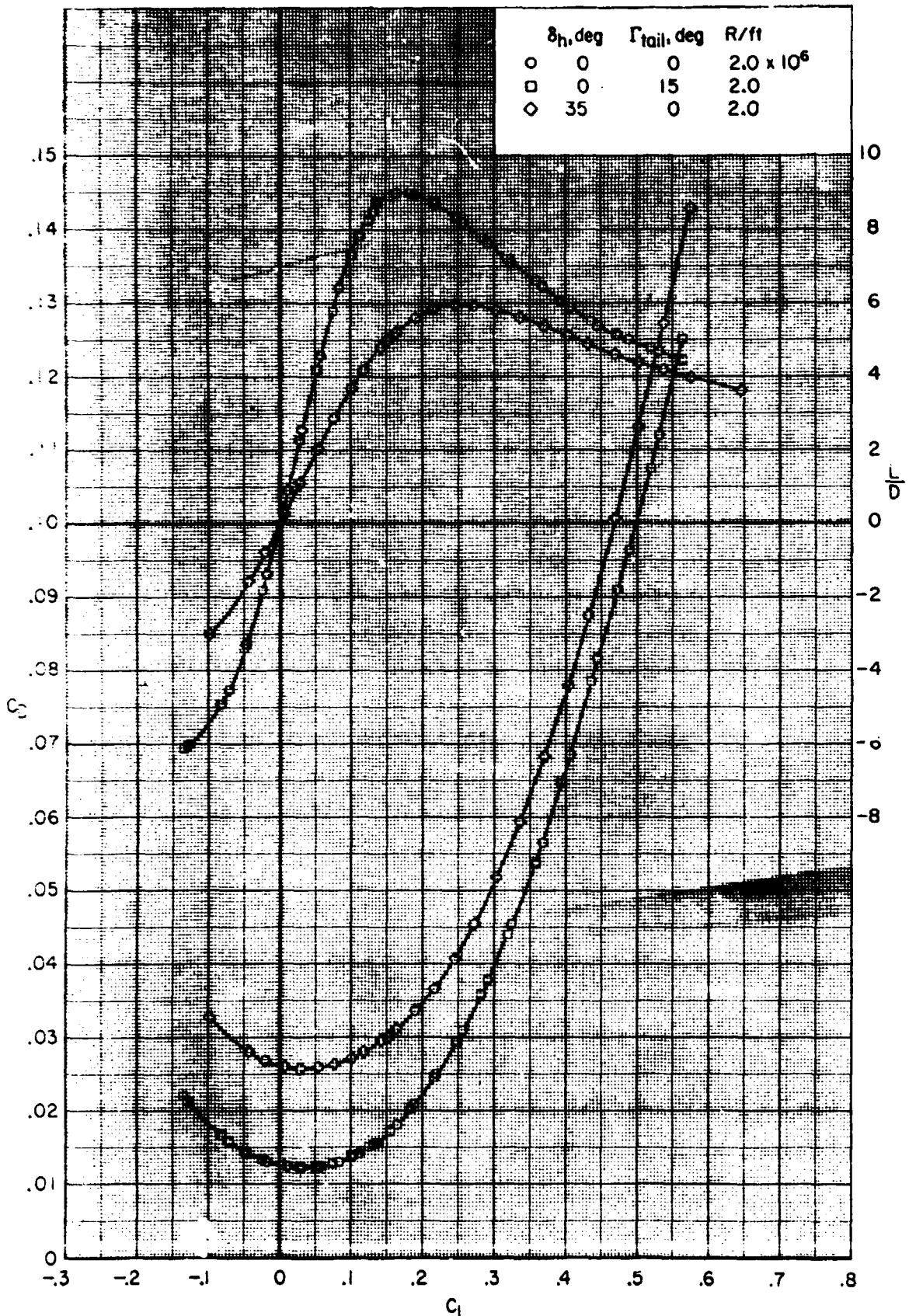
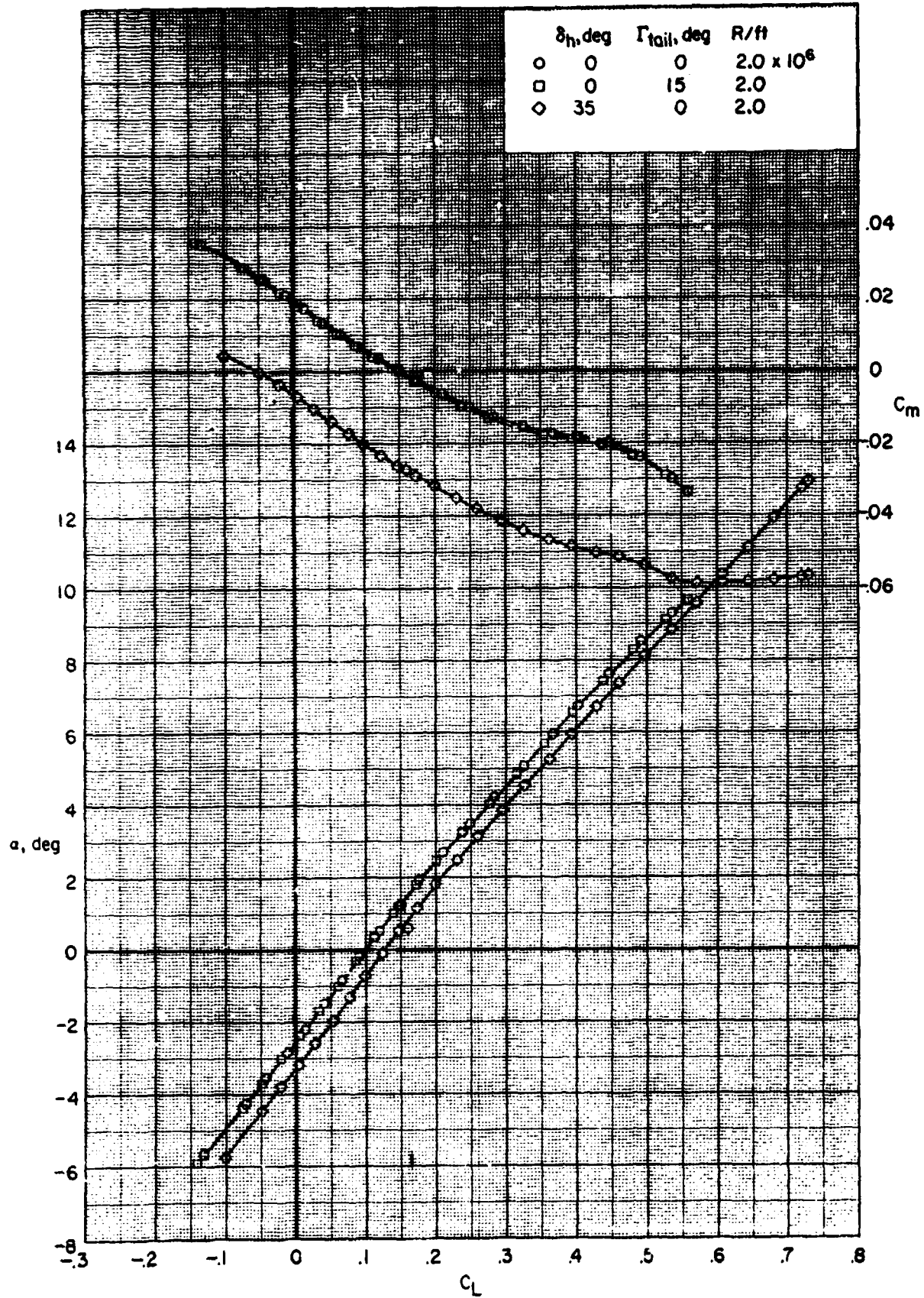


Figure 22. - Effect of horizontal-tail deflections and horizontal-tail dihedral angle on the longitudinal aerodynamic characteristics of BW3V1V2E.  $\delta_{L1, 2, 3, 4, 5} = 0^\circ$ ;  $\delta_{H1, 2, 3} = 0^\circ$ ;  $\Lambda_{tip} = 60^\circ$ .



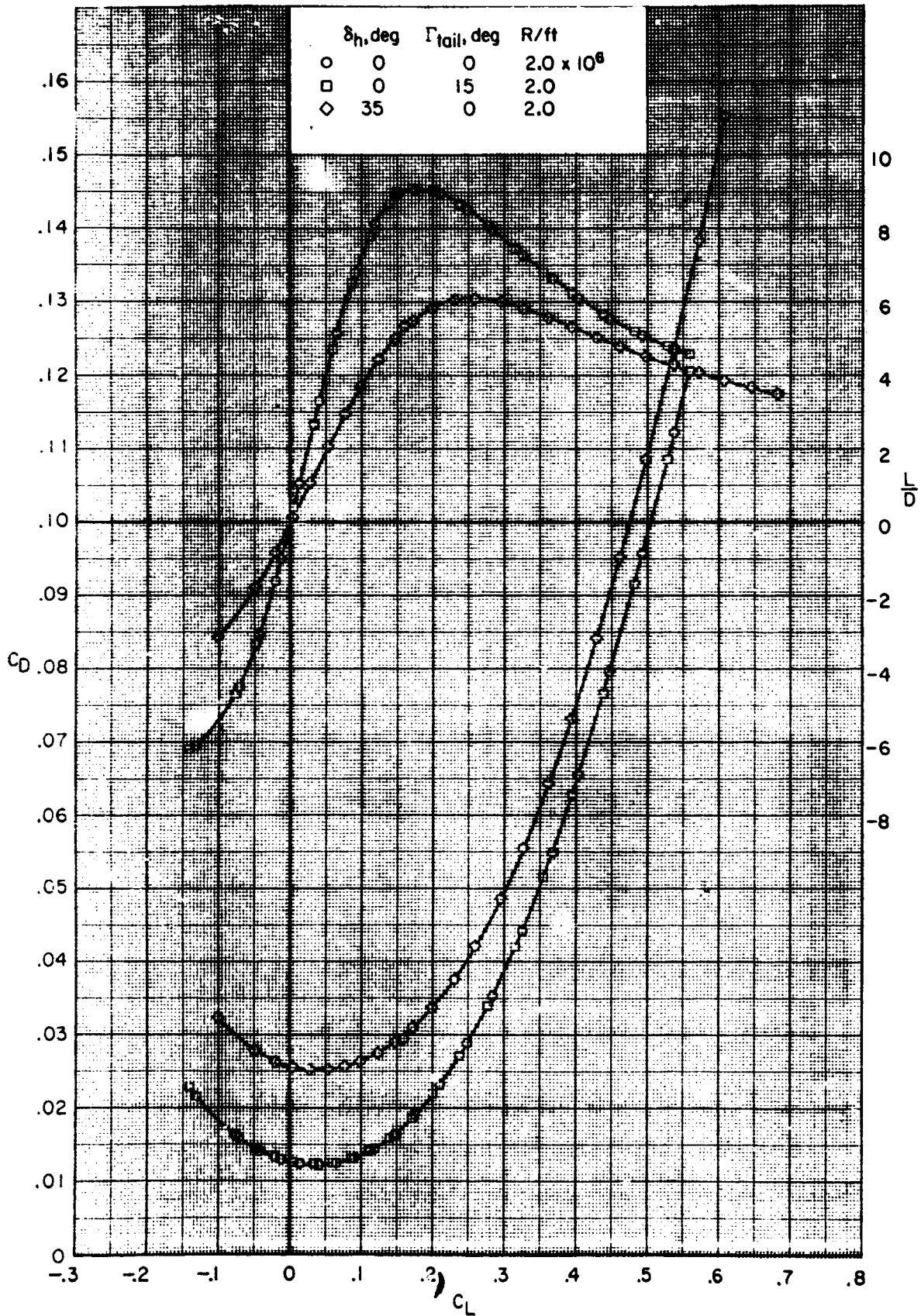


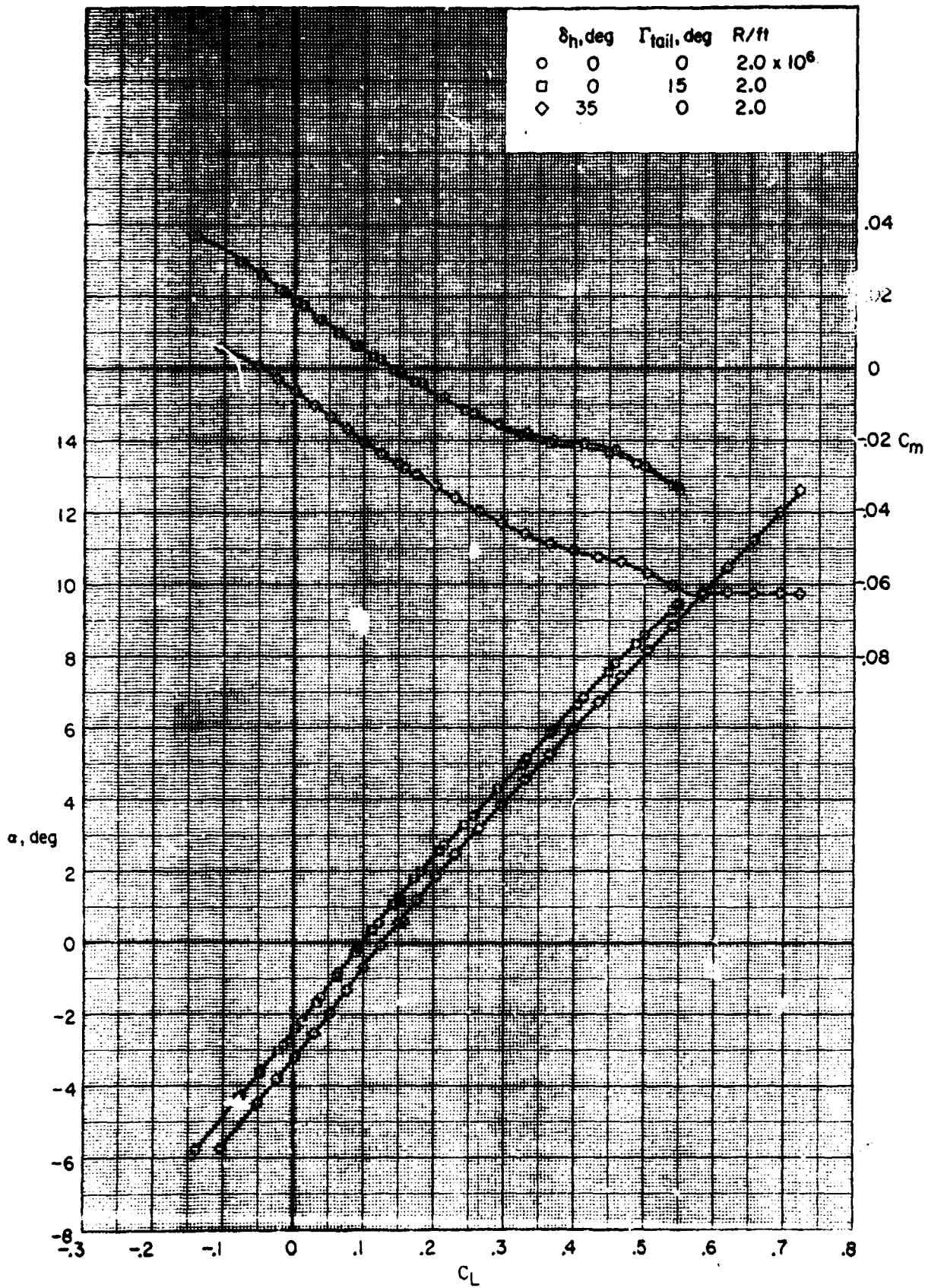


(b)  $M = 0.90$ .

Figure 22. - Continued.

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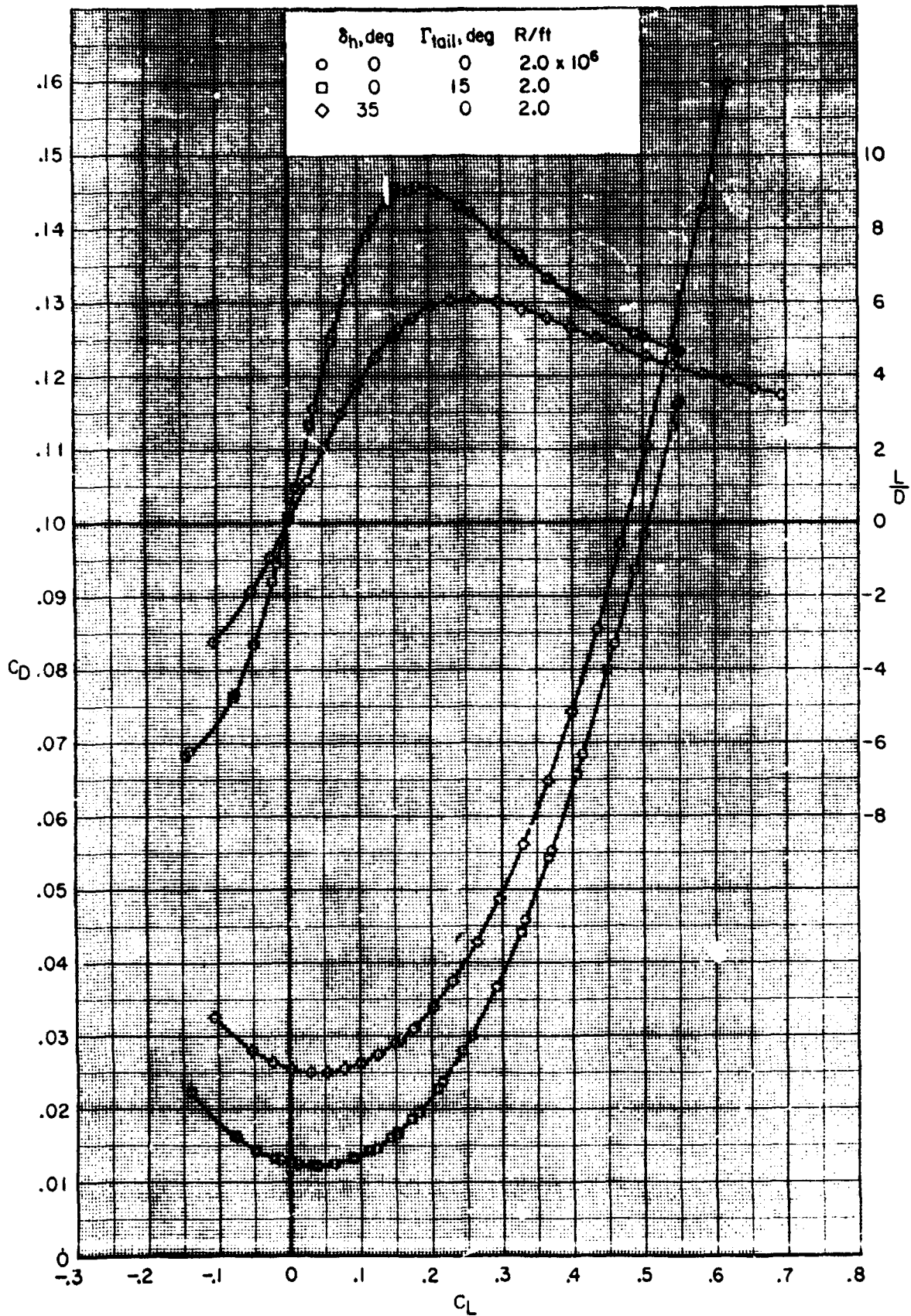
(c)  $M = 0.925$ .

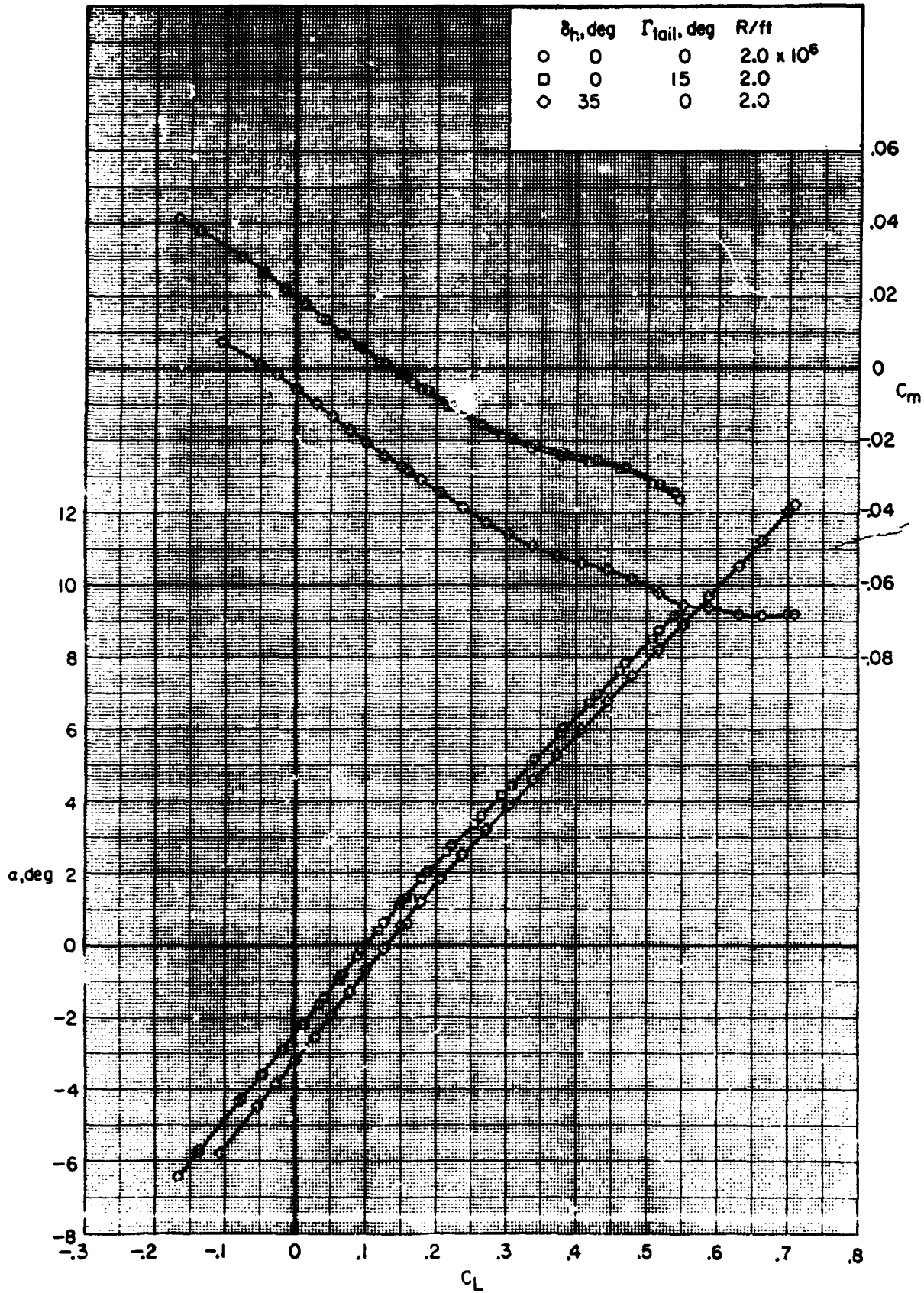
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Figure 22. - Continued.

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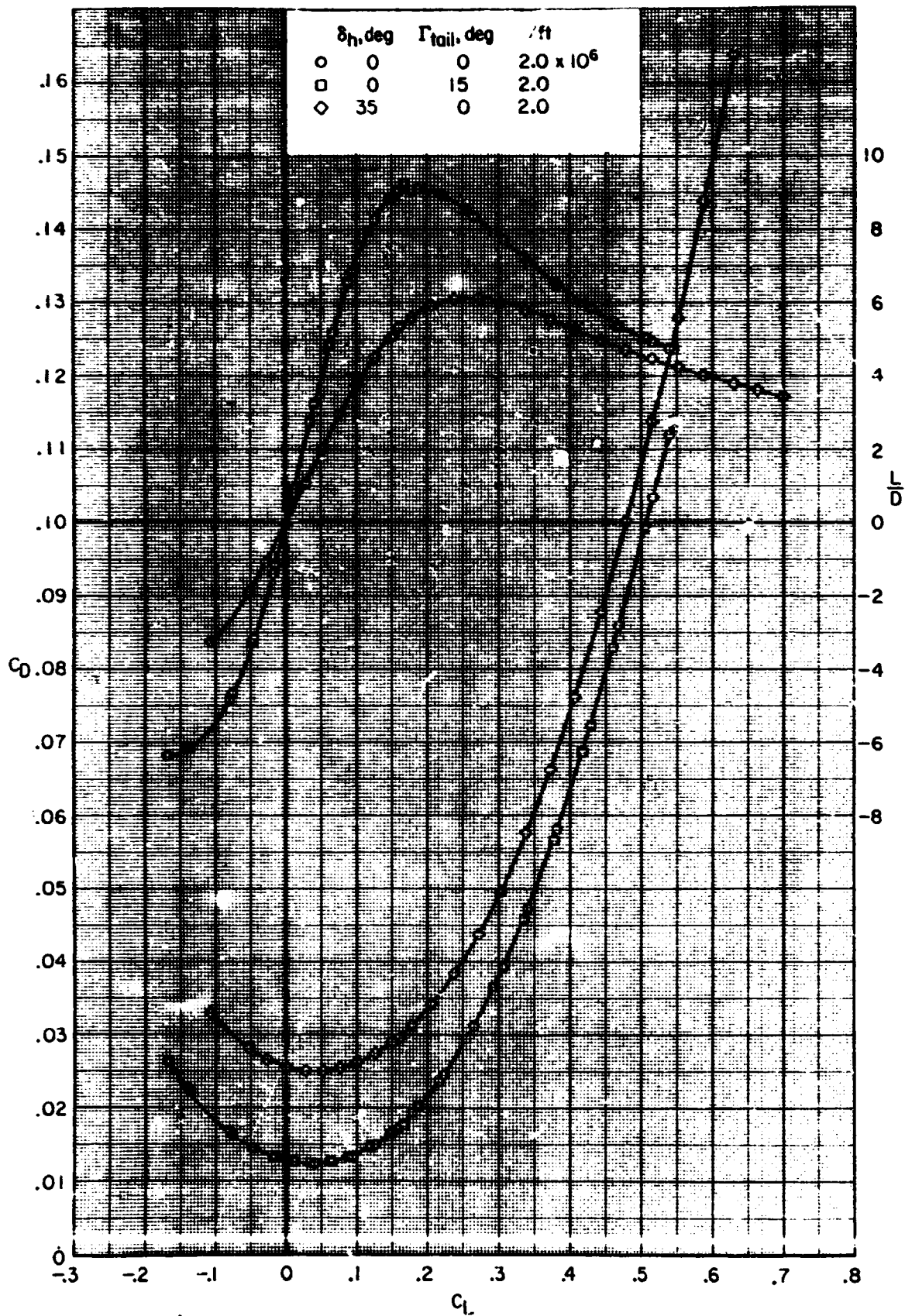


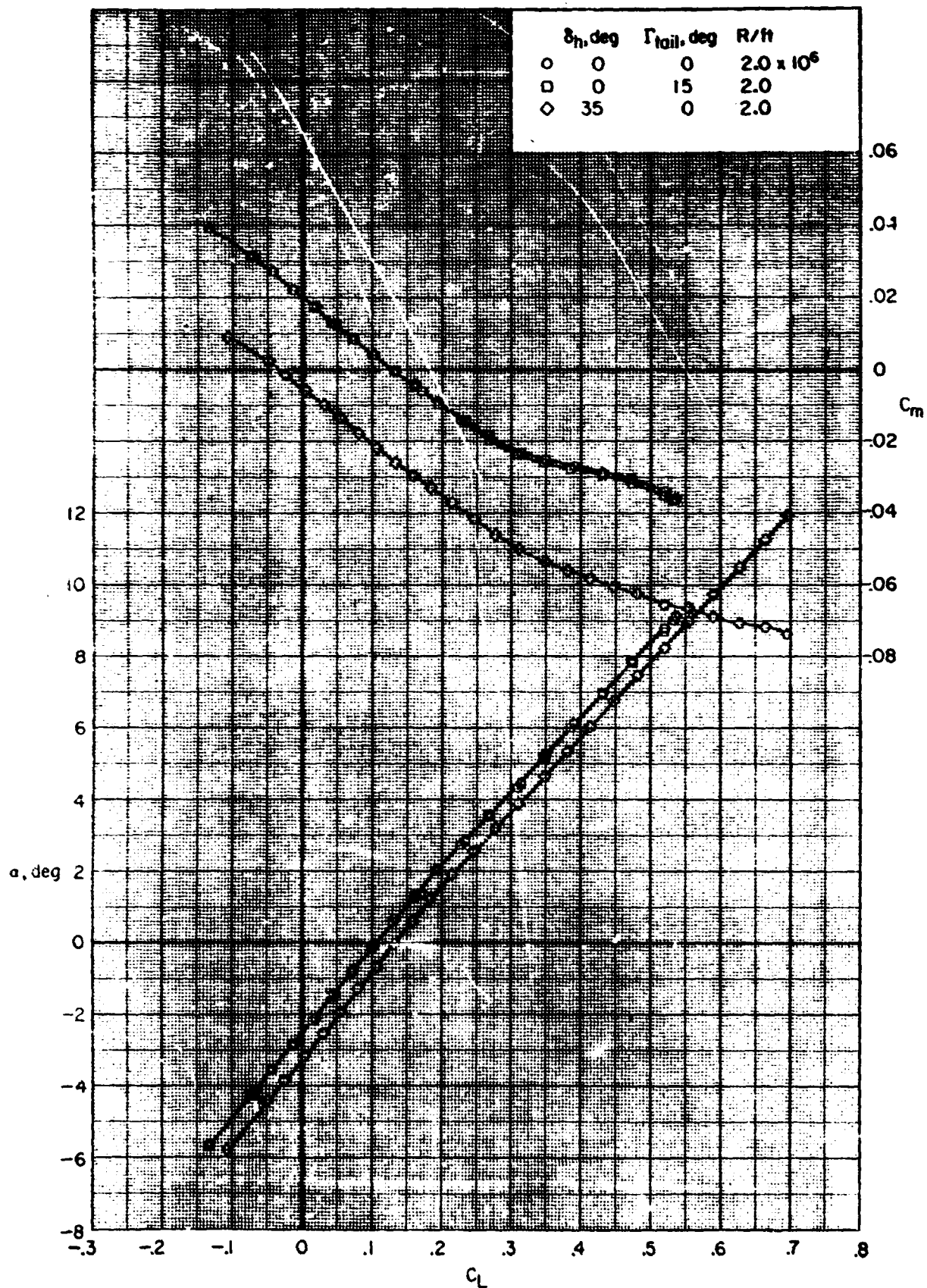


( $M = 0.95$ .)

Figure 22. - Continued.

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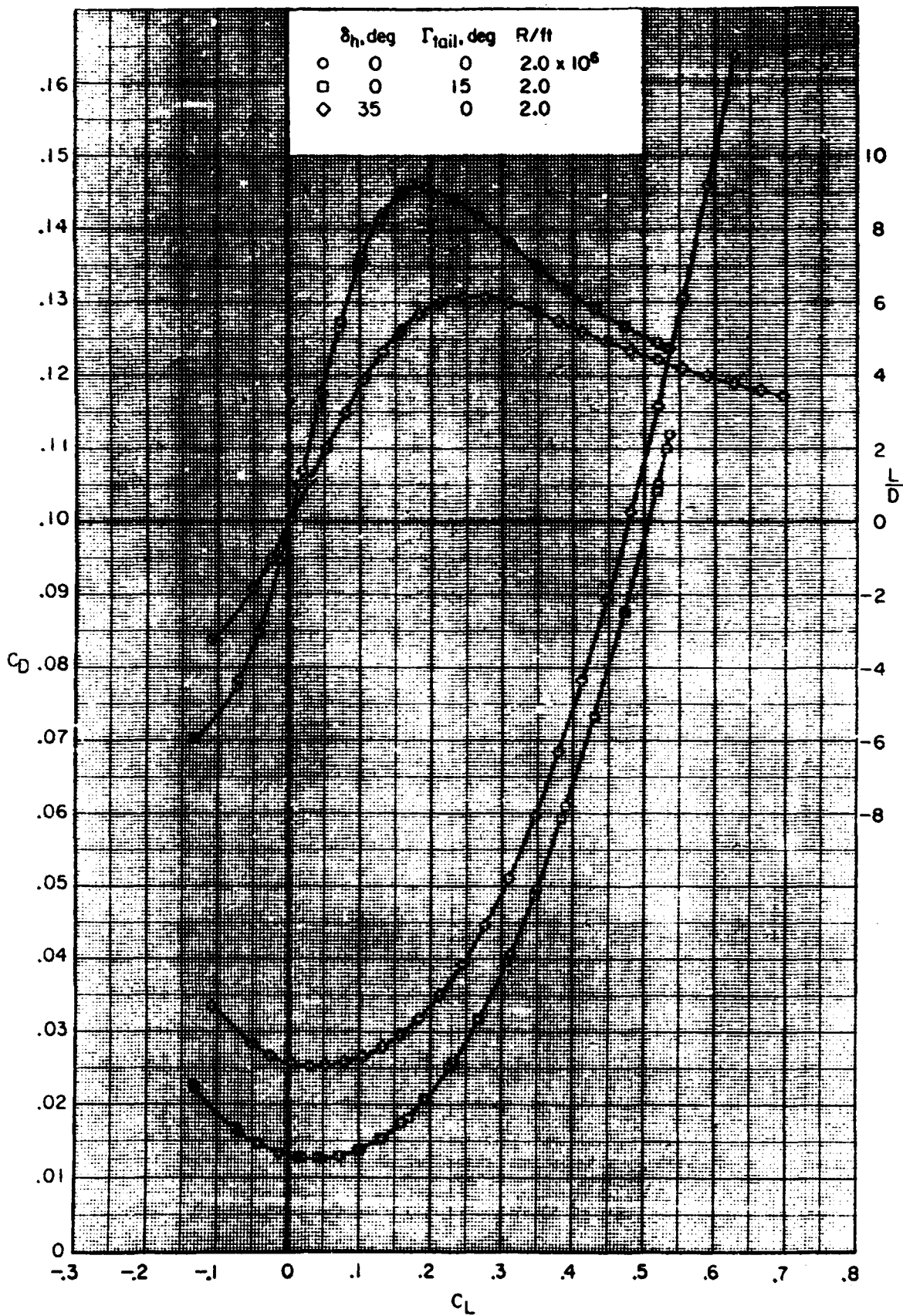
(e)  $M = 0.975$

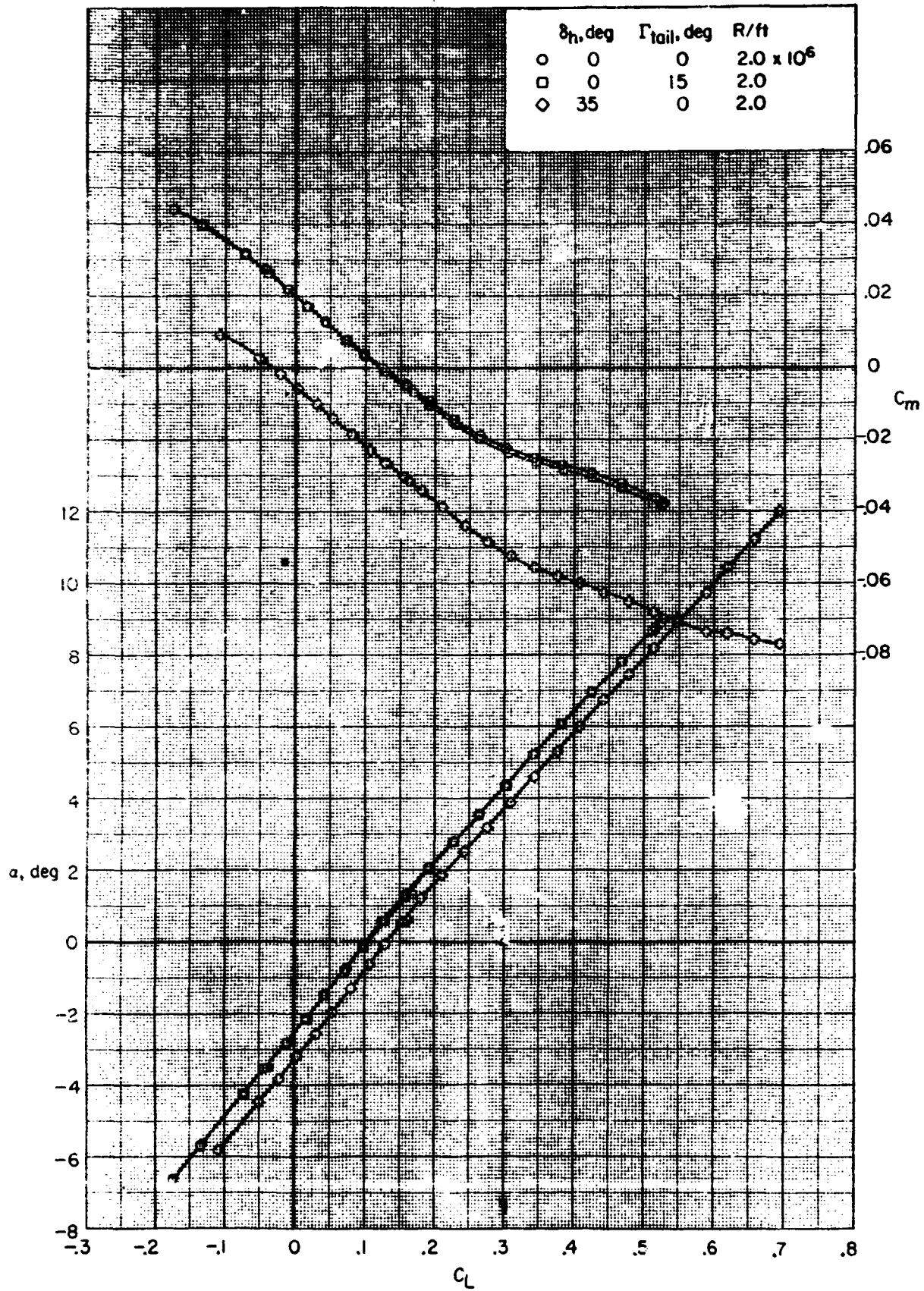
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Figure 22. - Continued.

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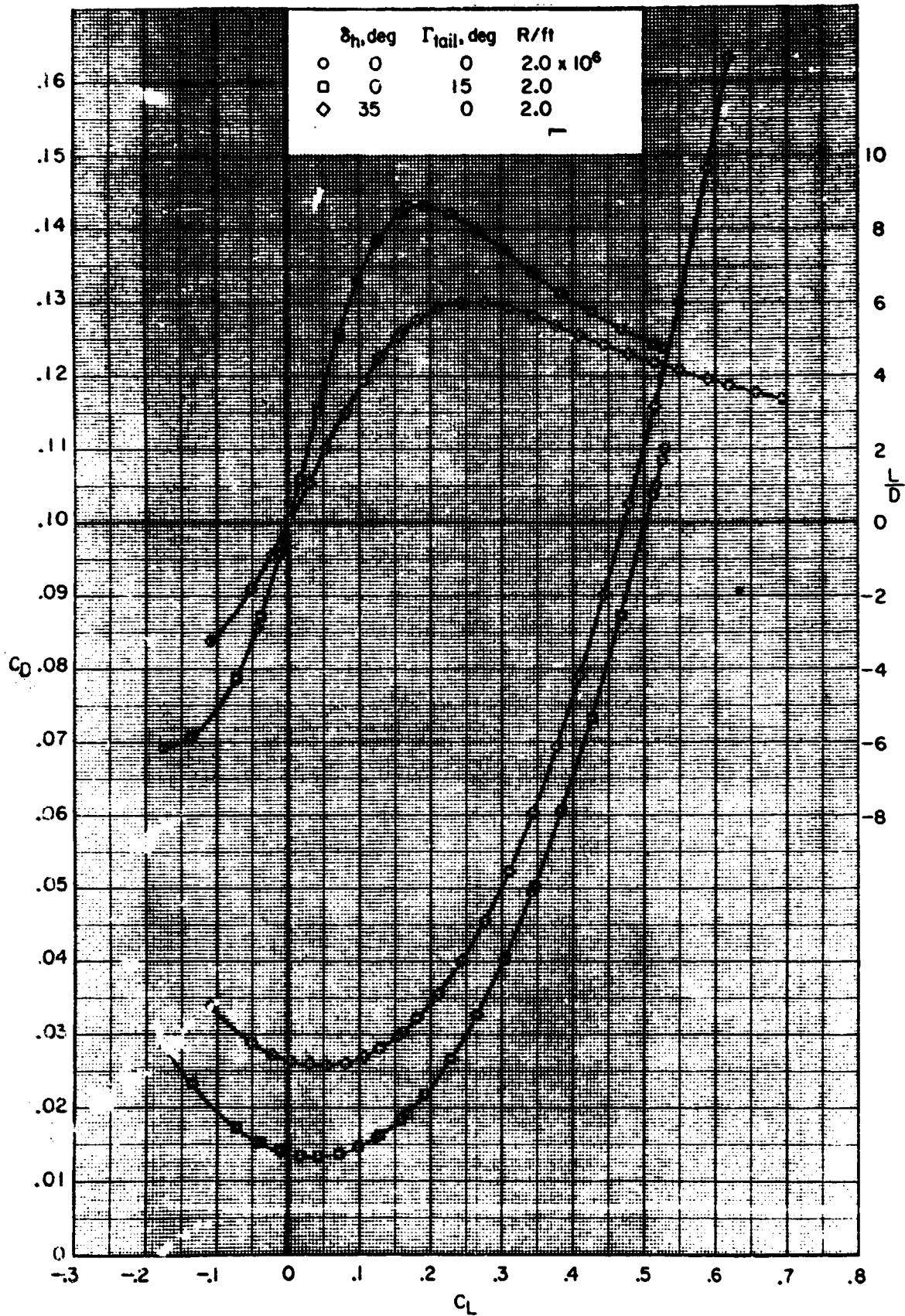


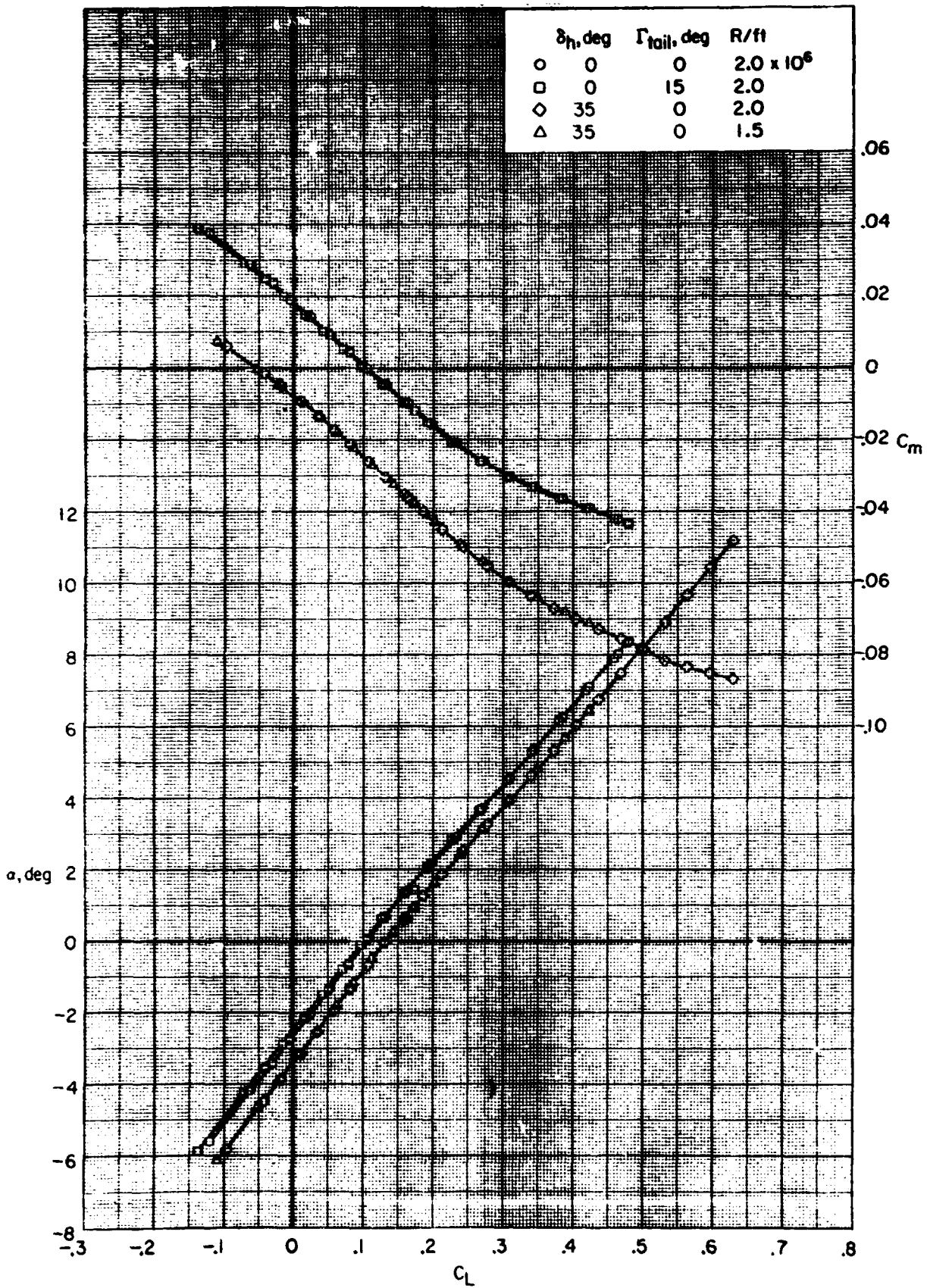


(1)  $M = 1.00$

Figure 22. - Continued.

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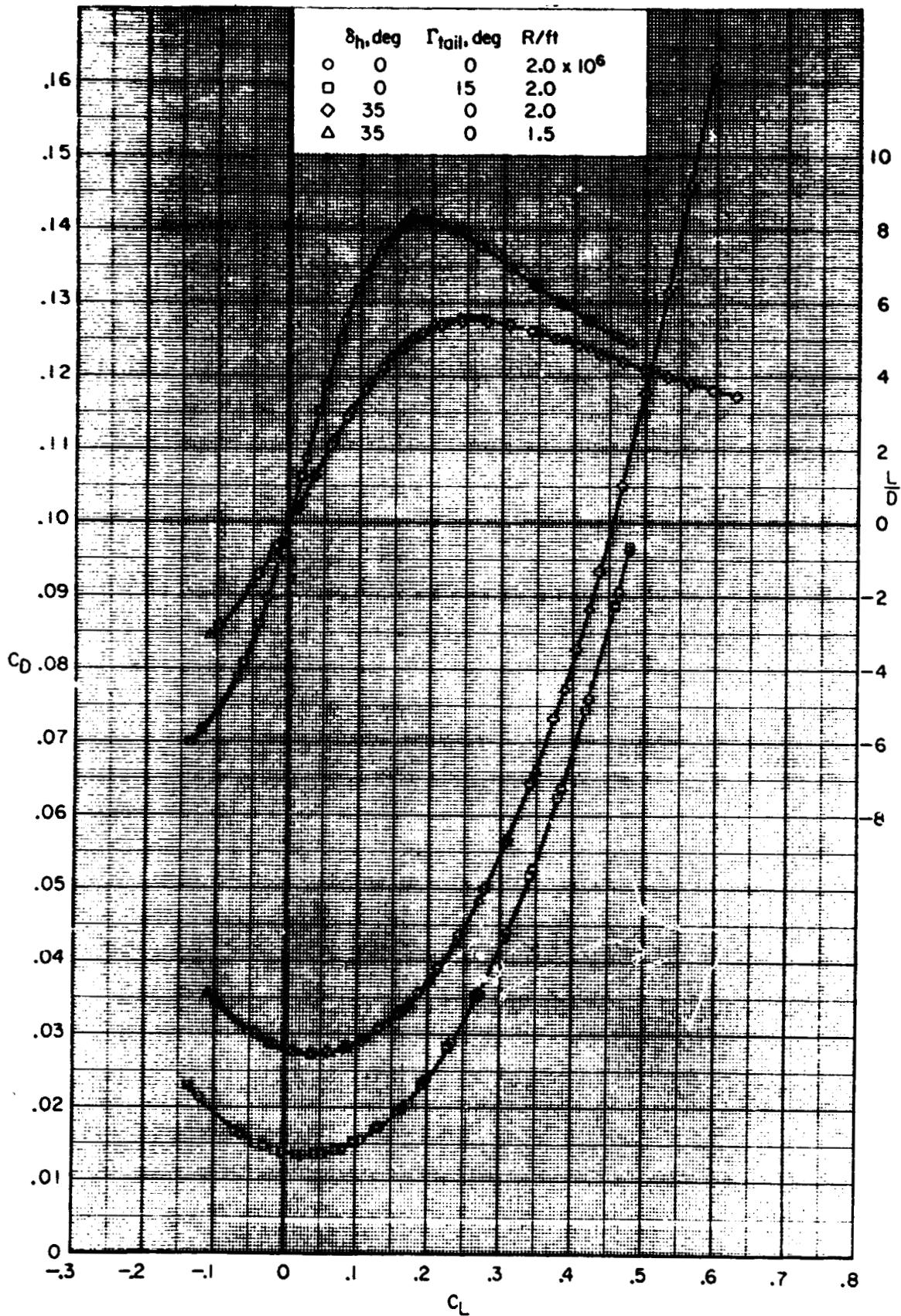
(g)  $M = 1.20$ .

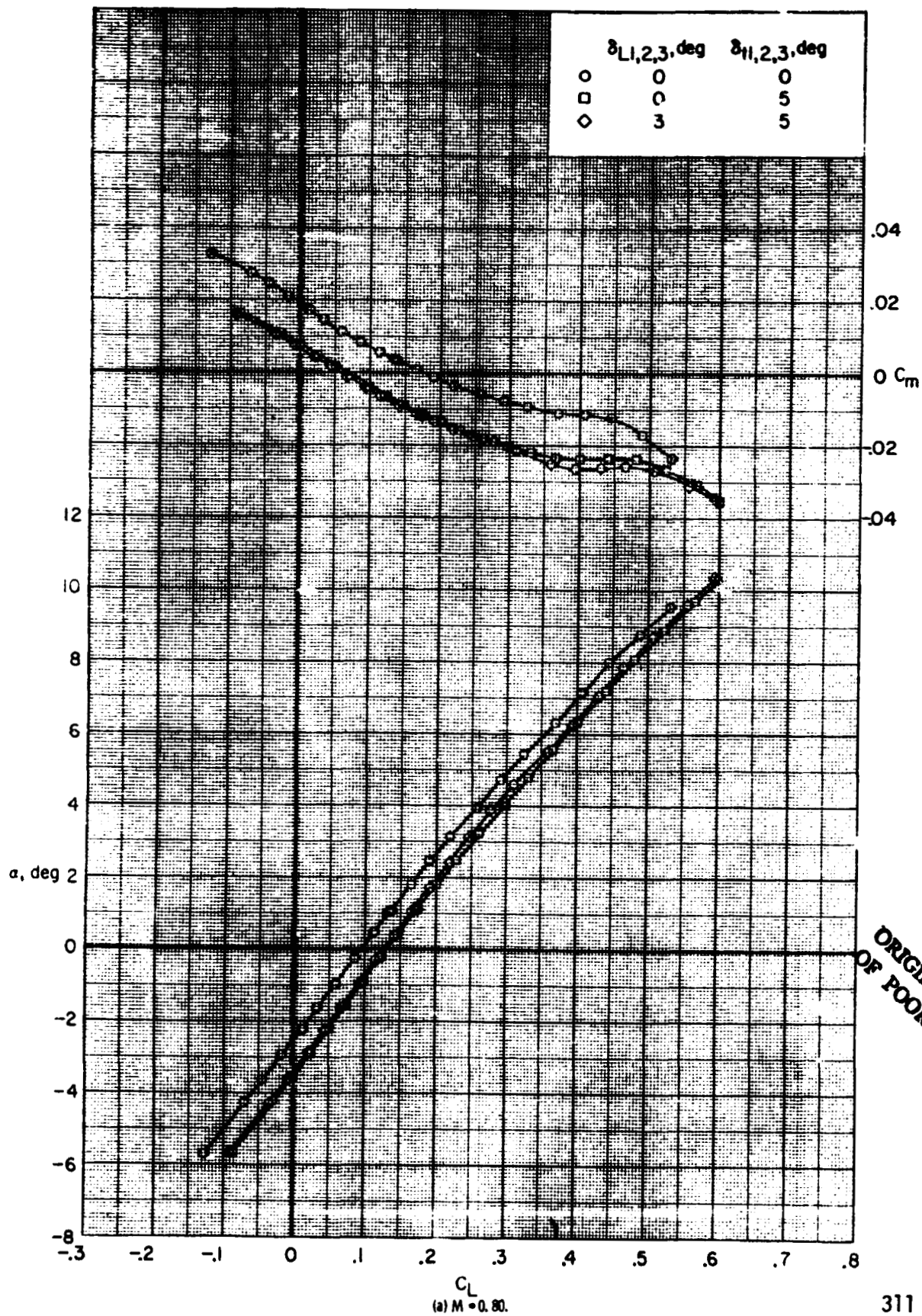
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Figure 22. - Continued.

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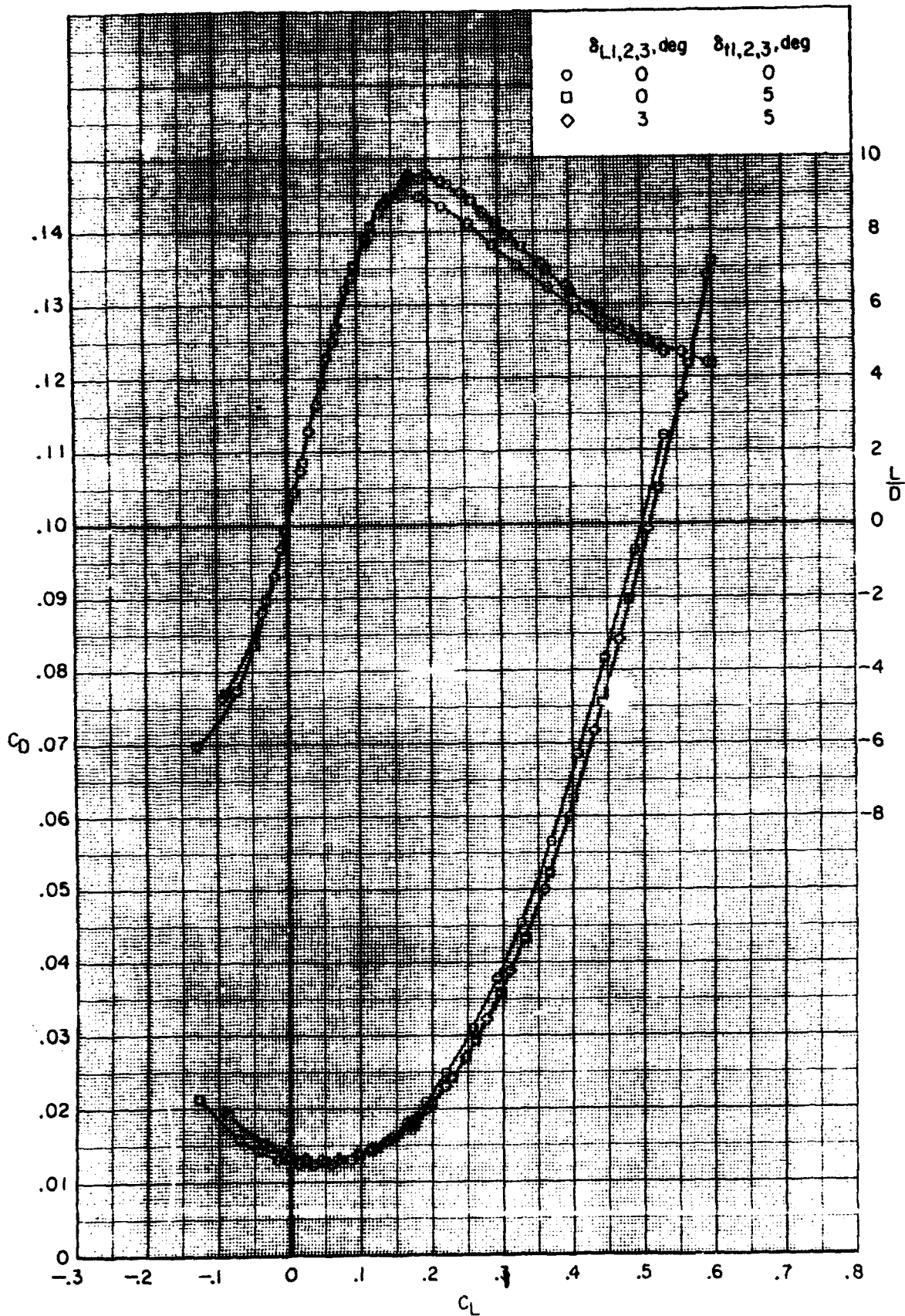




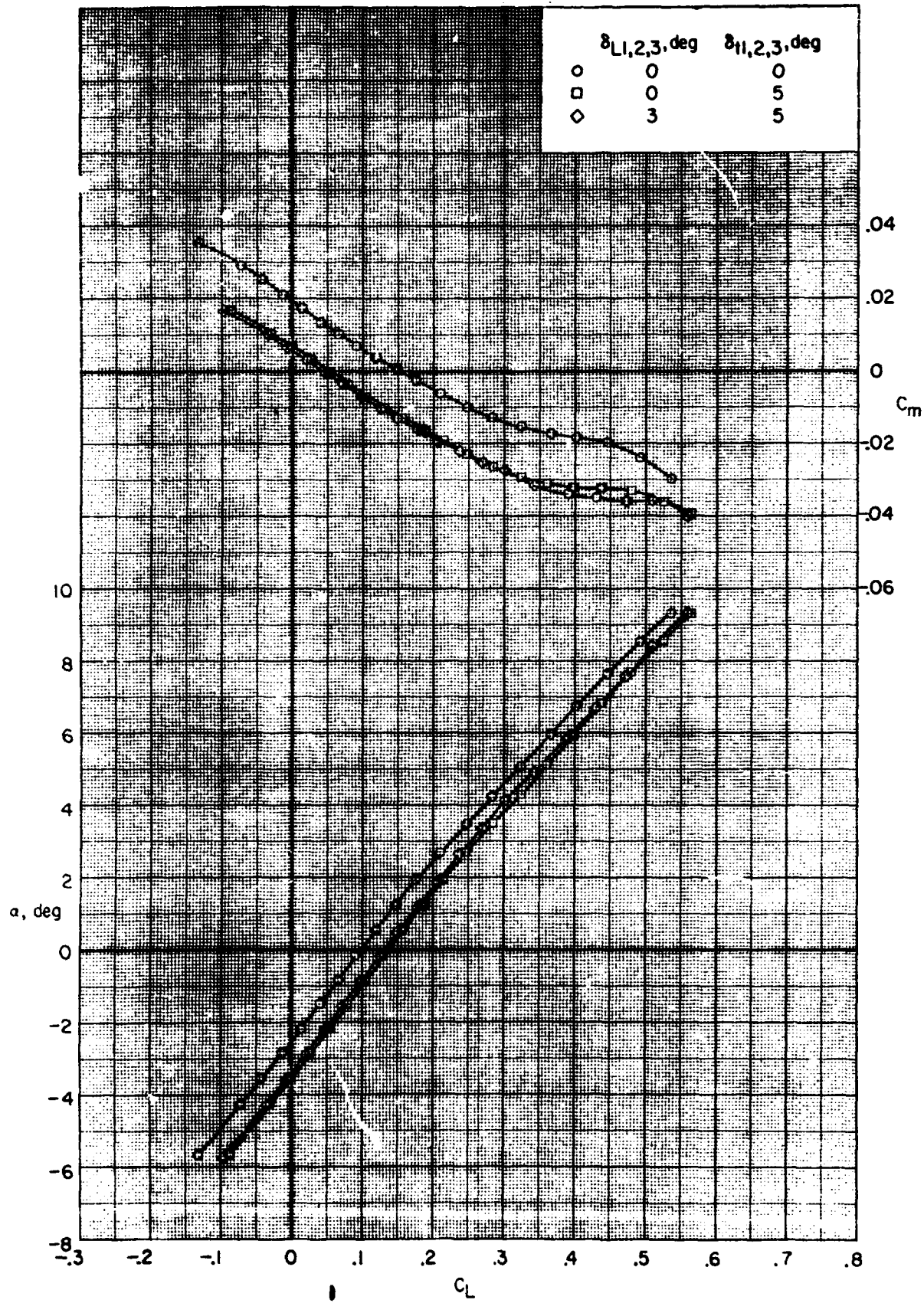


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Figure 23. - Effect of wing leading- and trailing-edge-flap deflections on the longitudinal aerodynamic characteristics of BW<sub>3</sub>V<sub>1</sub>V<sub>2</sub>E.  
 $\delta_{L4,5} = 0^\circ$ ;  $\delta_{L6} = 20^\circ$ ;  $\Lambda_{tip} = 60^\circ$ .







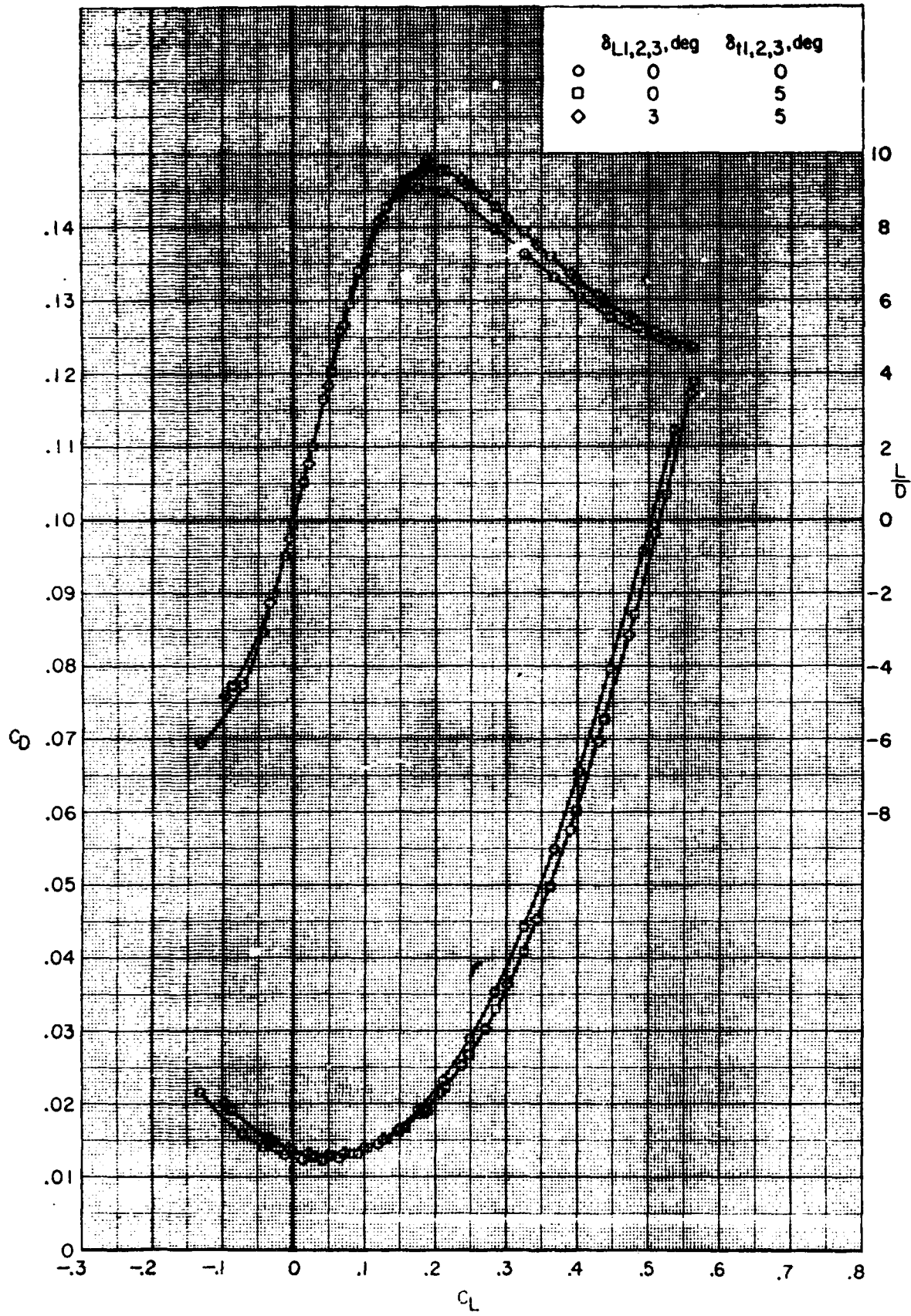
(b)  $M = 0.90$ .

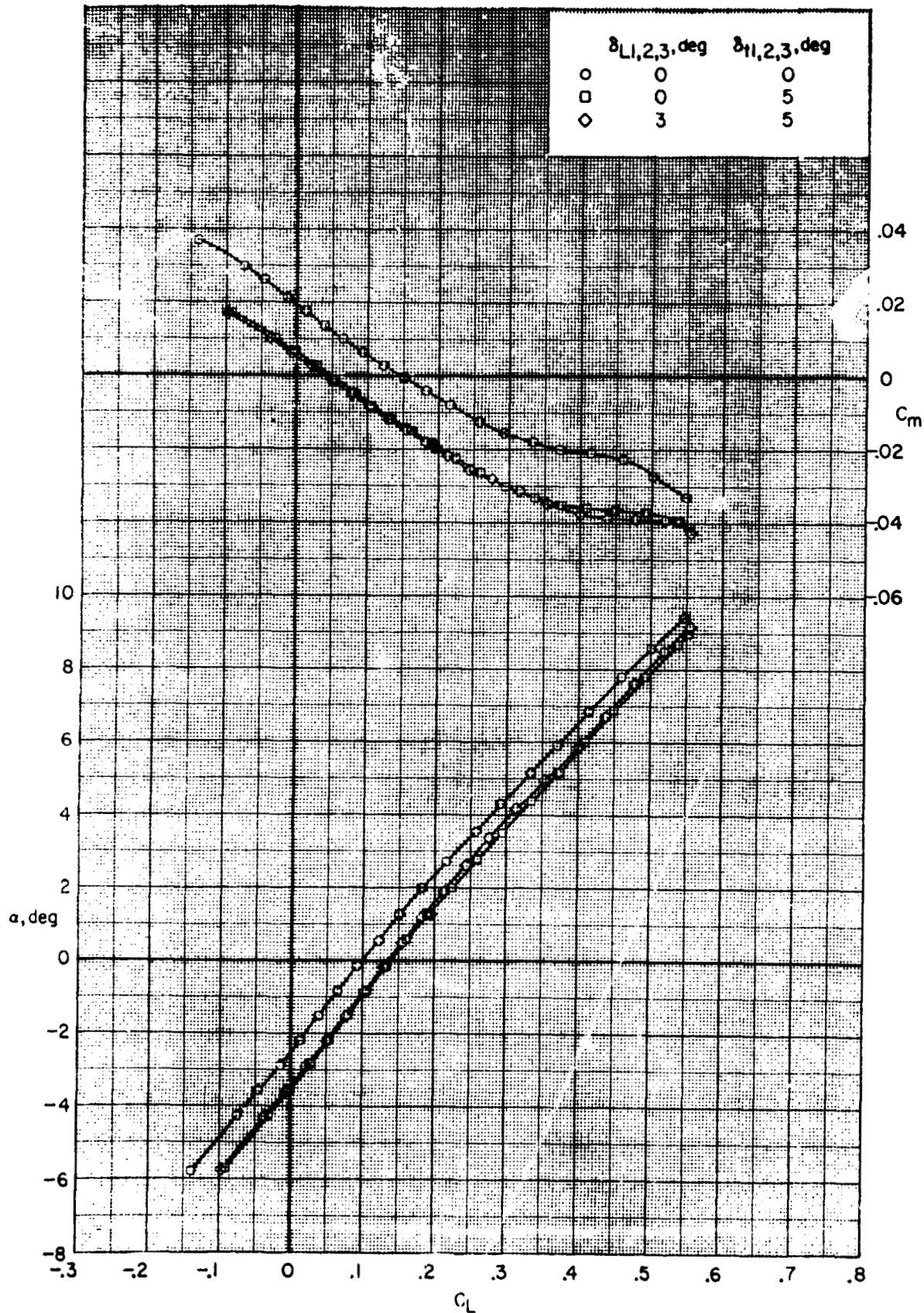
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Figure 23. - Continued.

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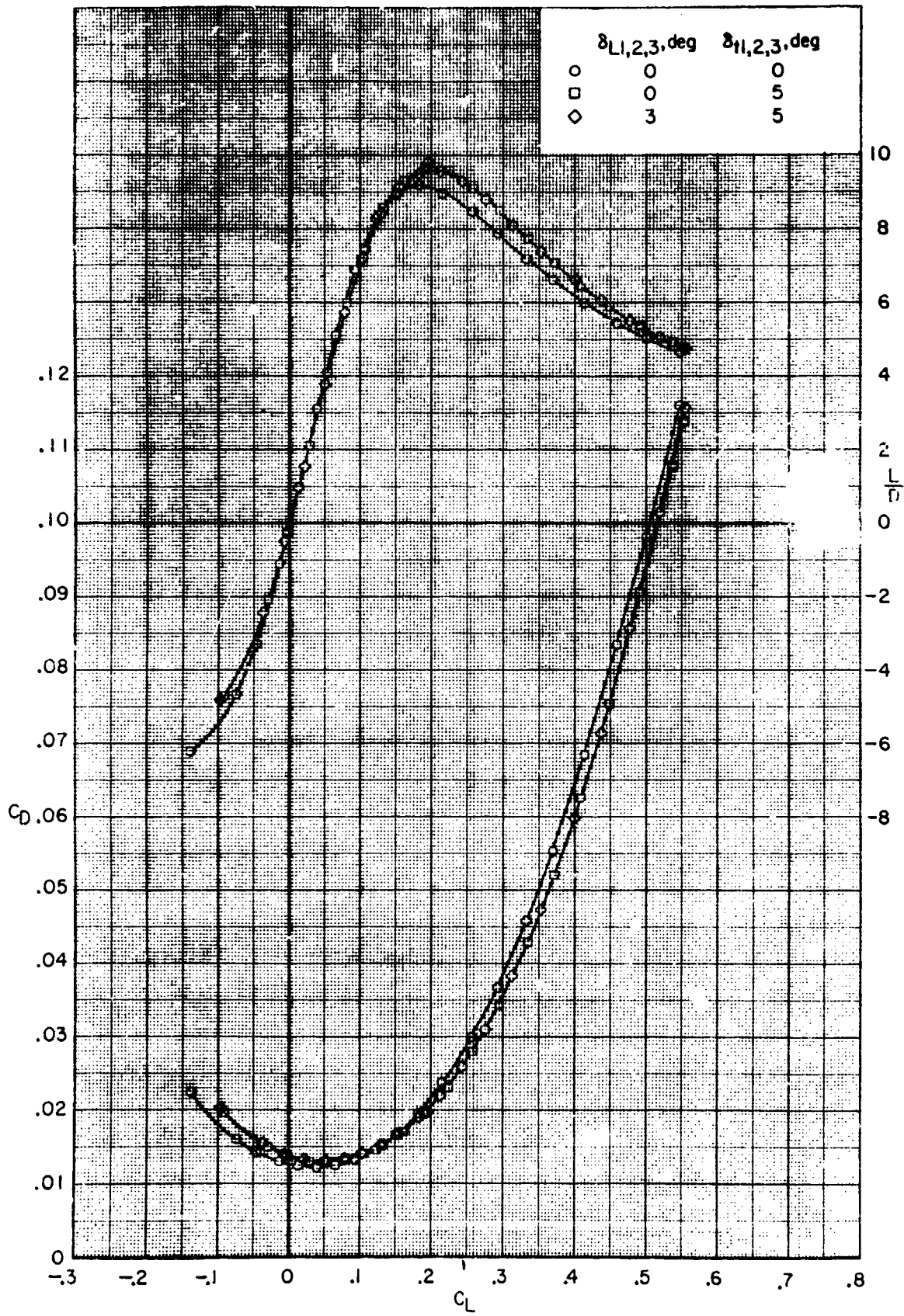


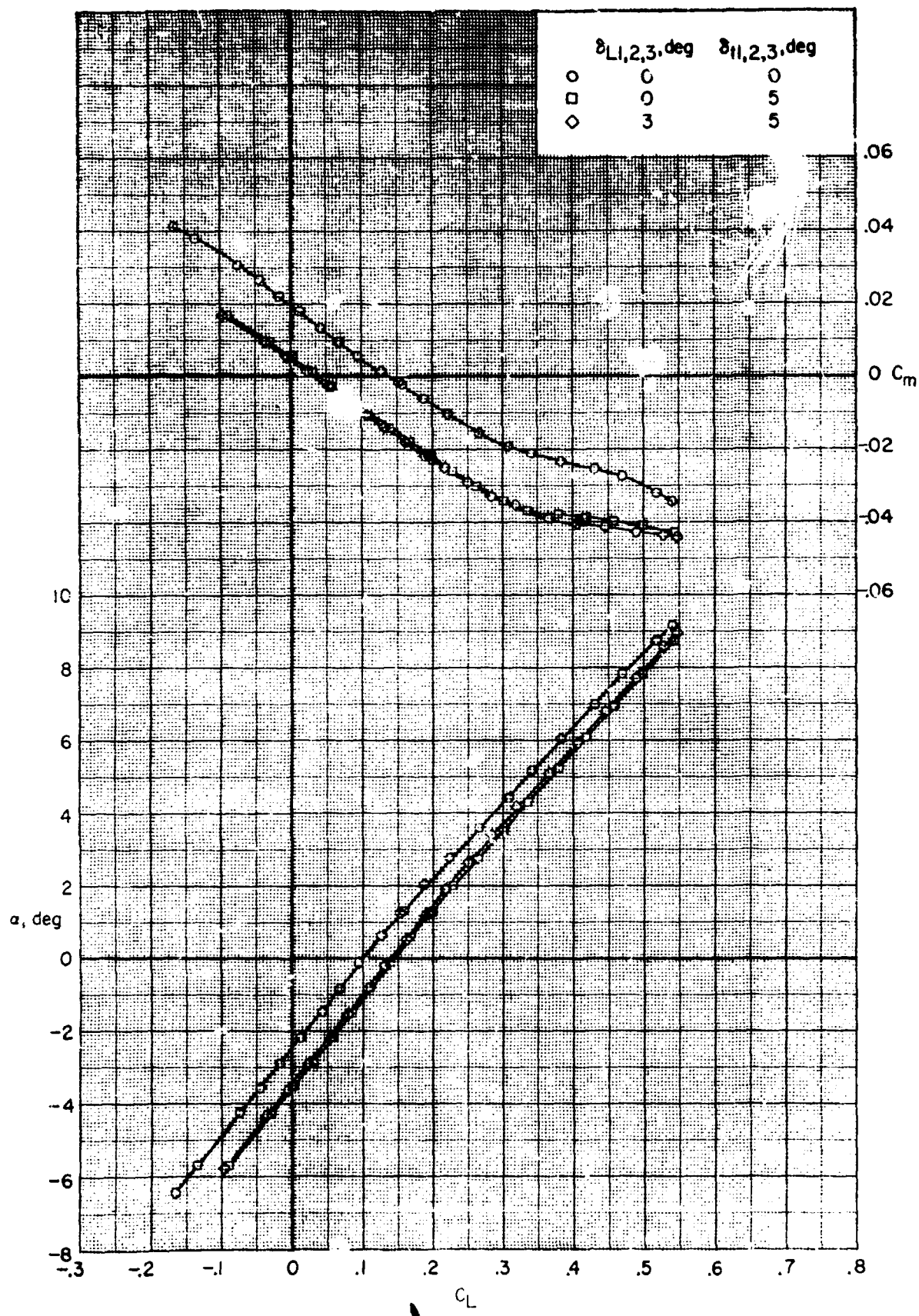


(c)  $M = 0.925$ .

Figure 23. - Continued.

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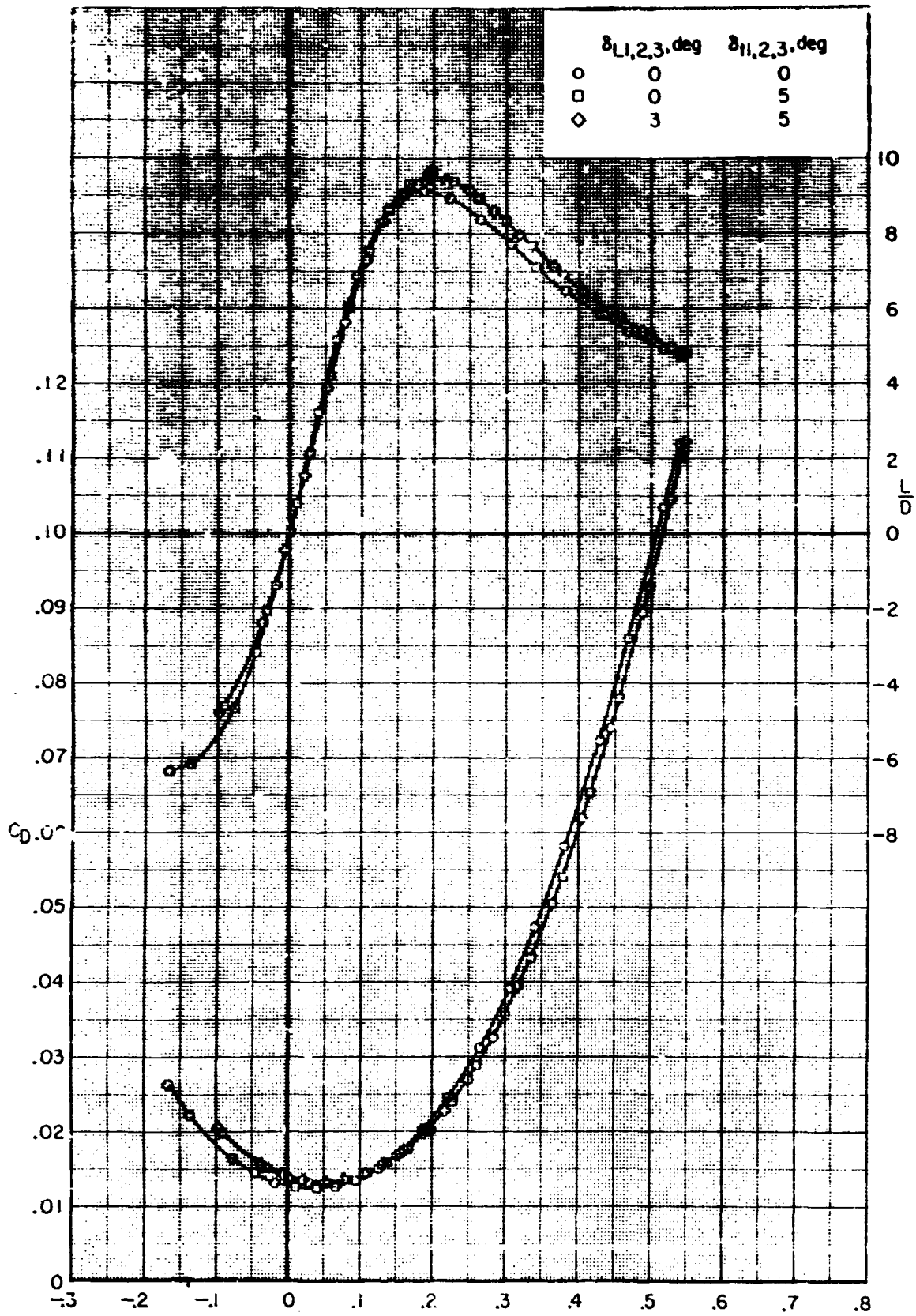


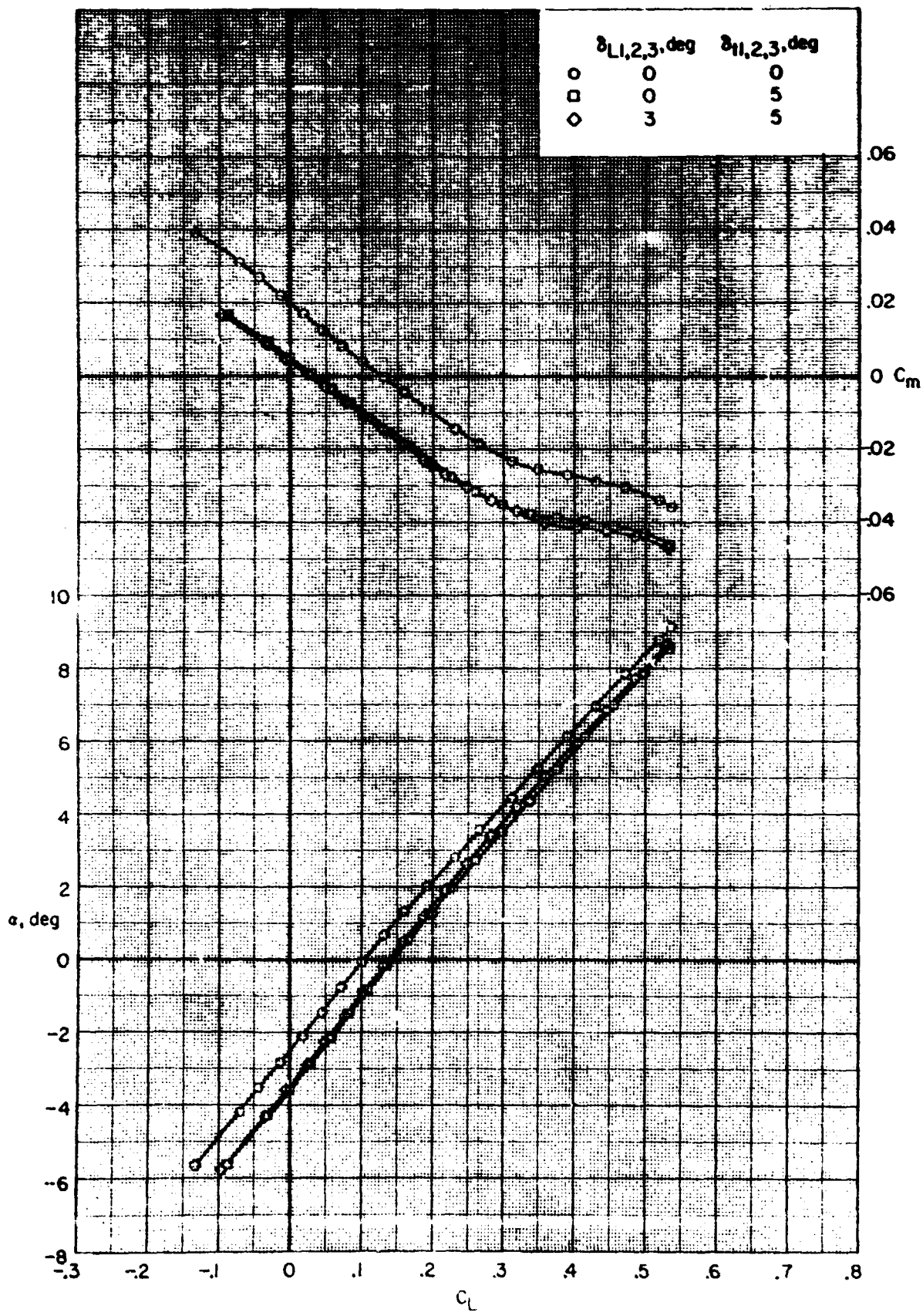


(d)  $M = 0.95$ .  
 Figure 23. - Continued.

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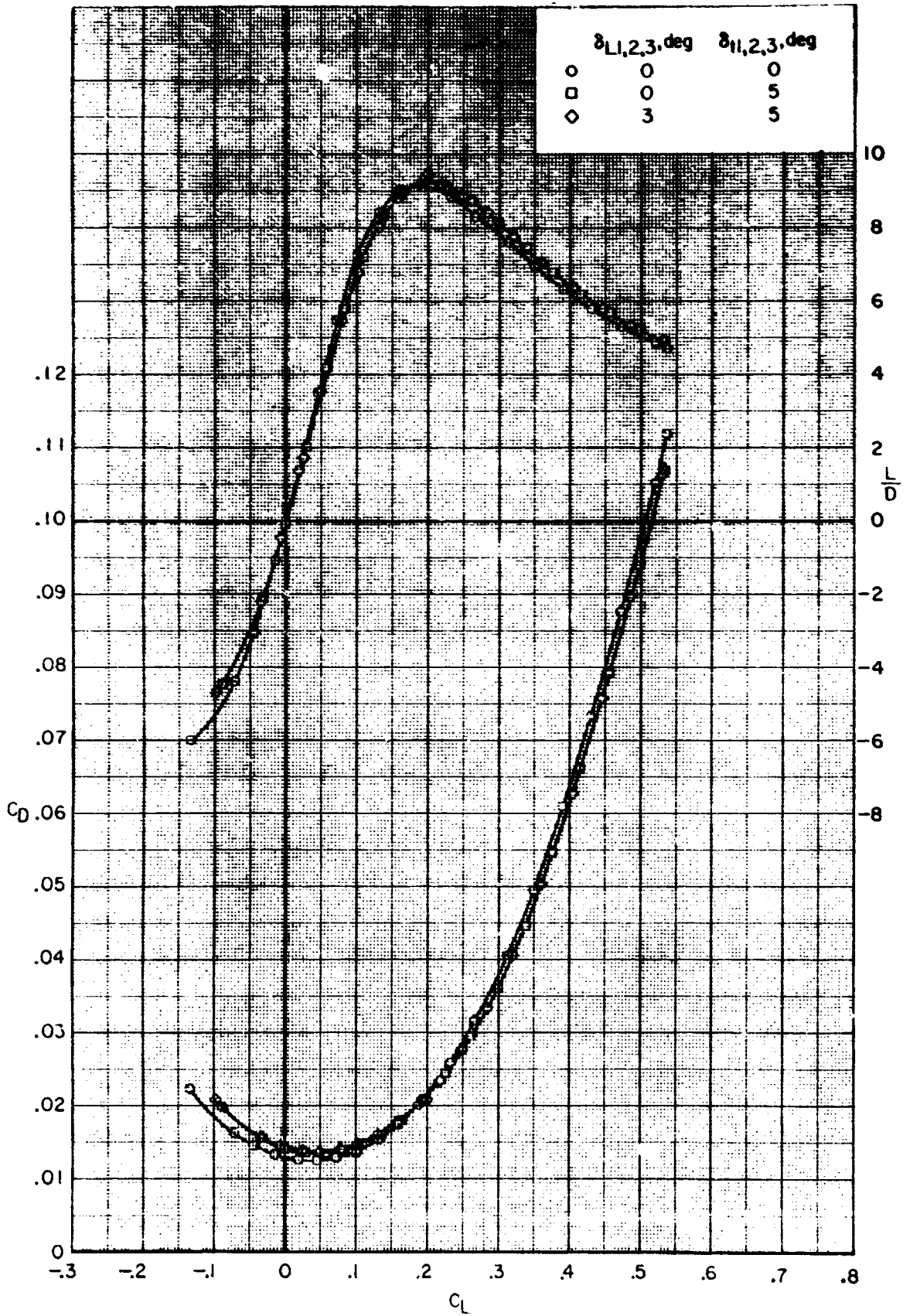


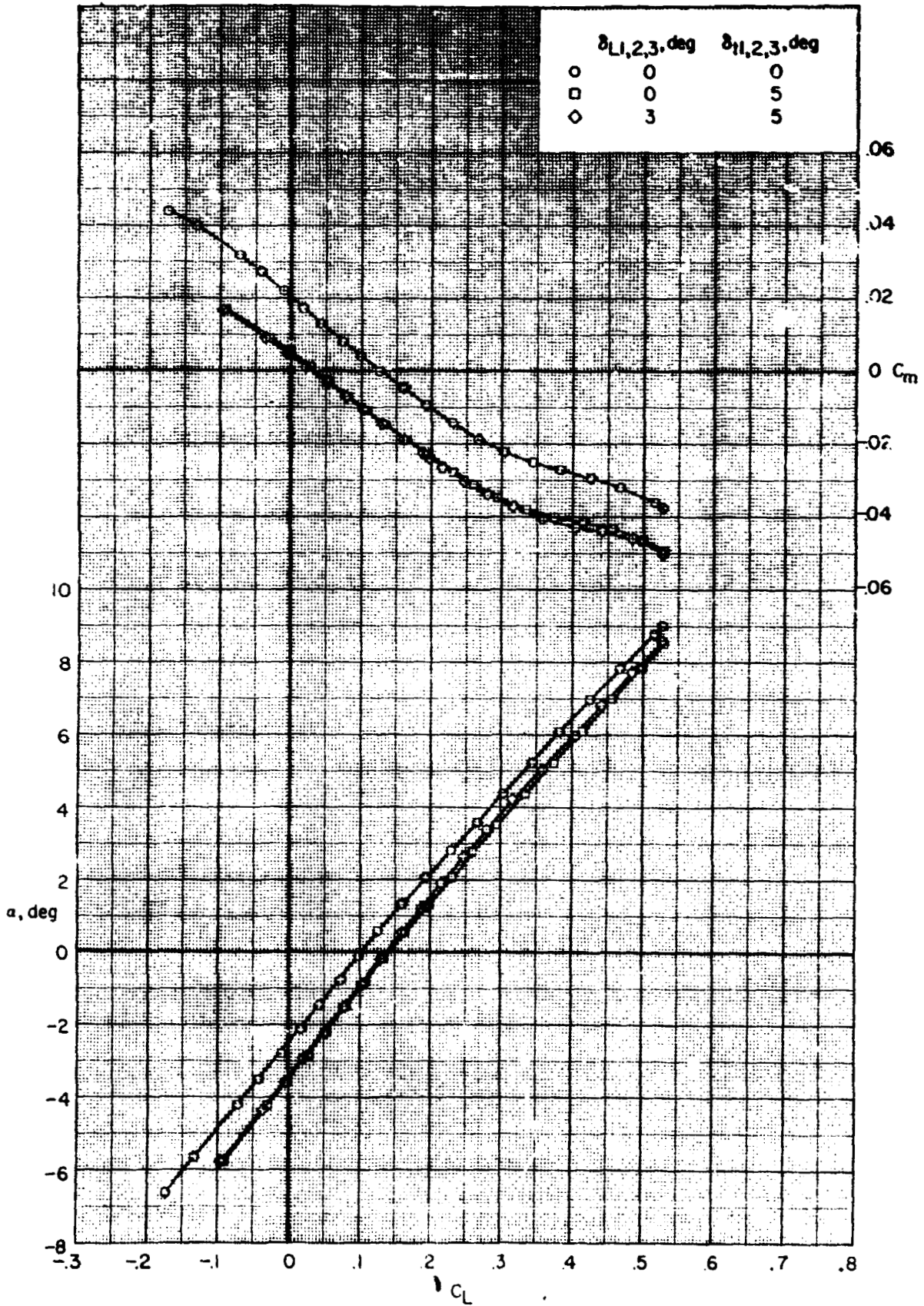




(e)  $M = 0.975$ .

Figure 23. - Continued.



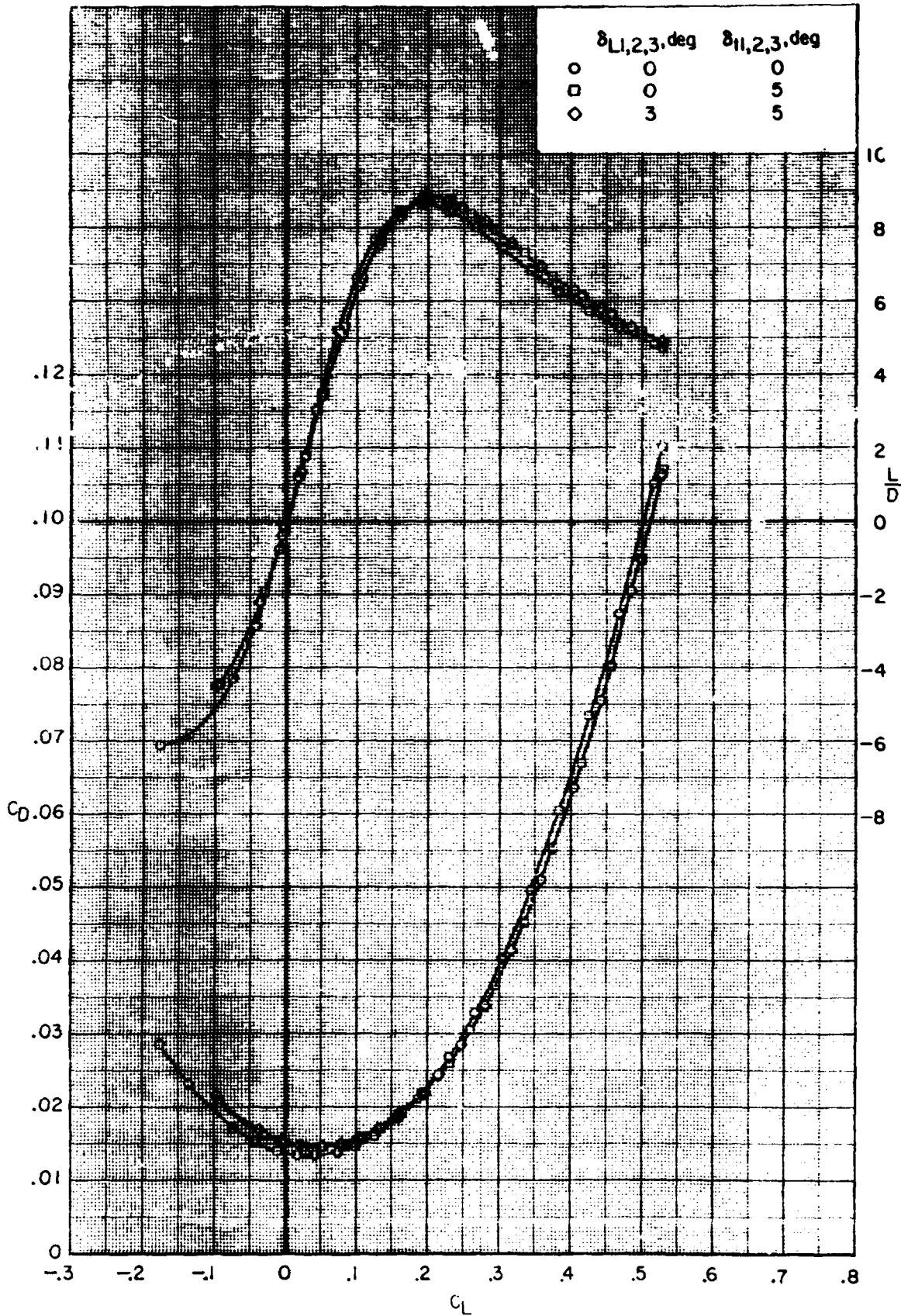


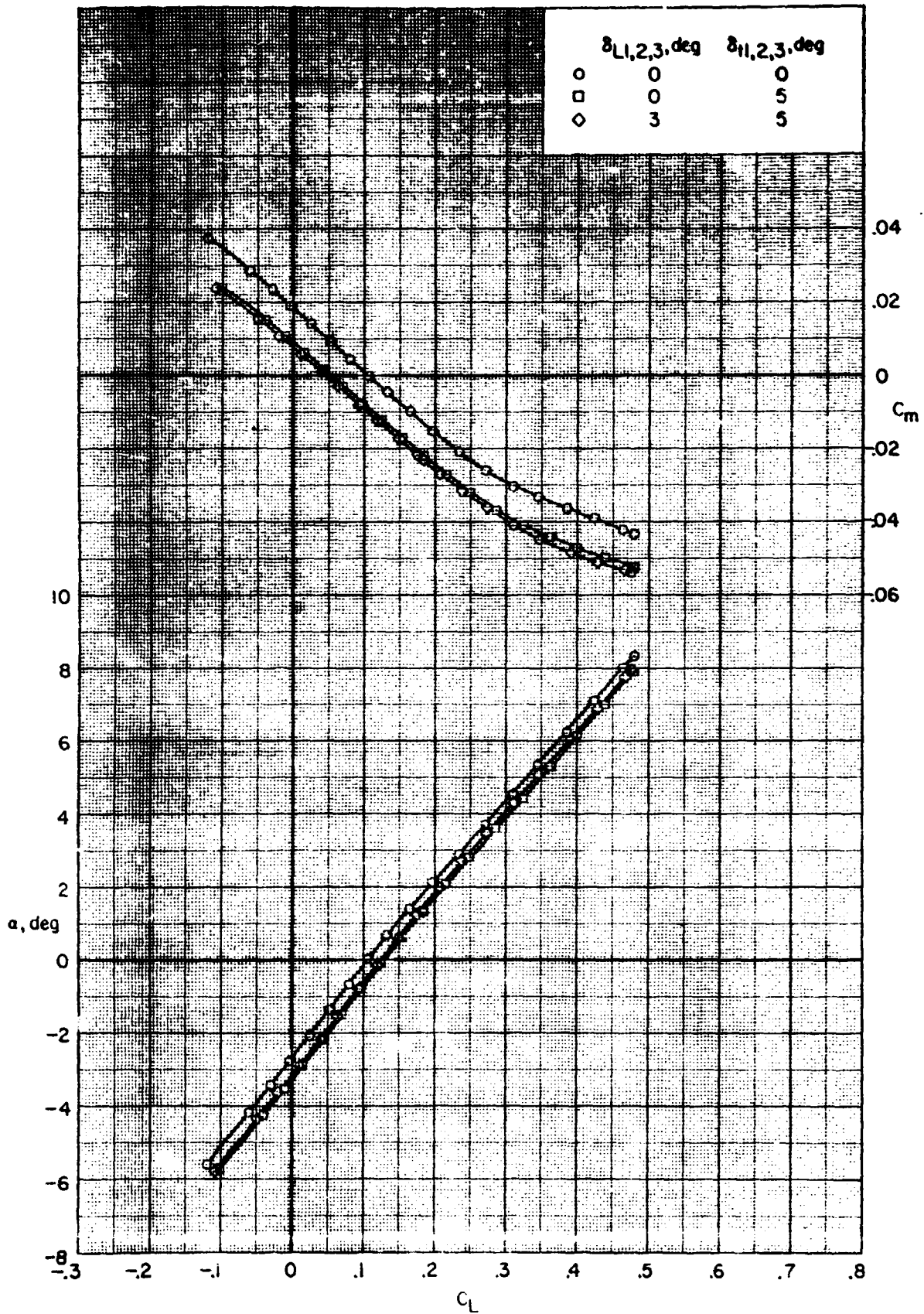
(1)  $M = 1.00$

Figure 23. - Continued.

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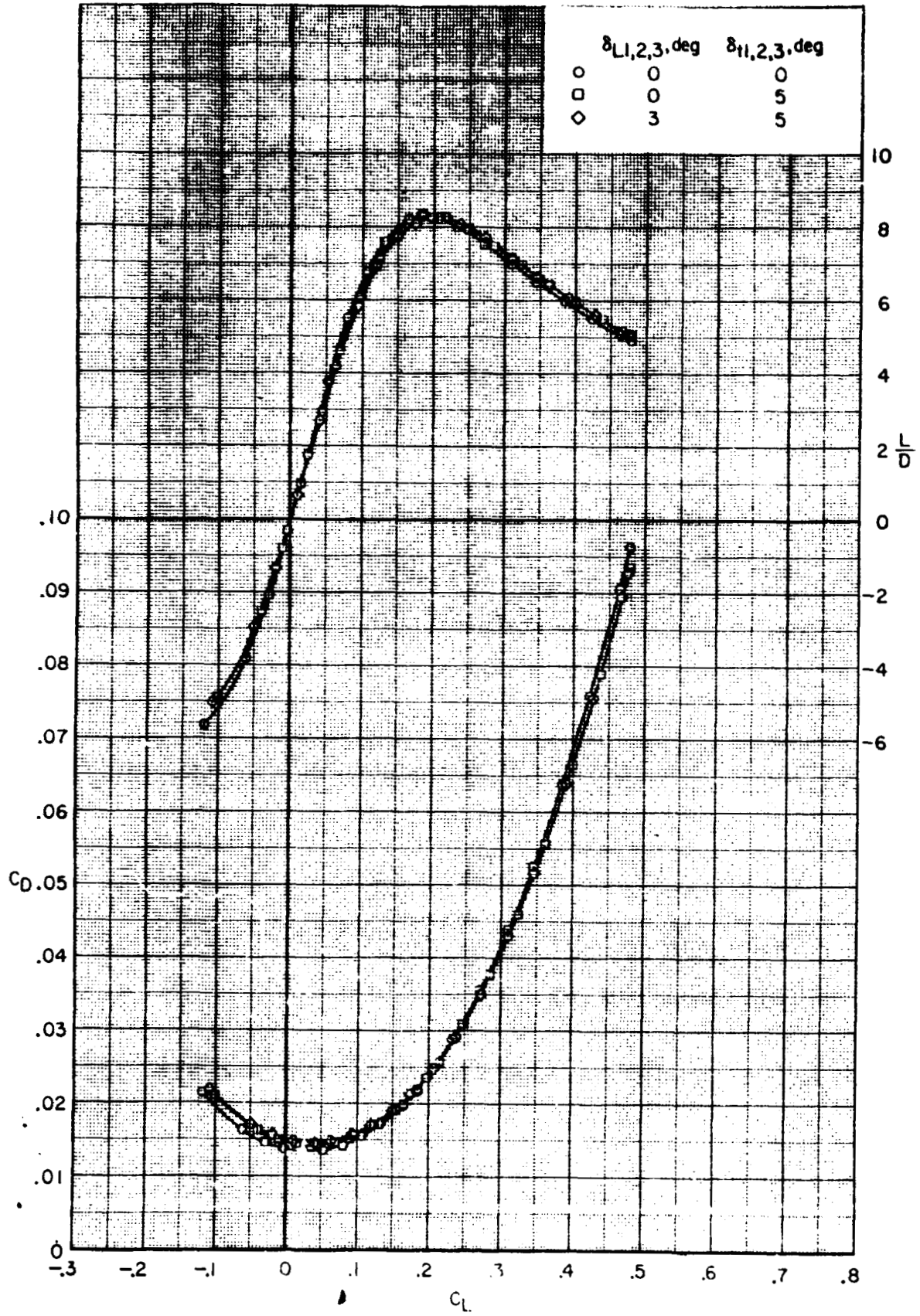


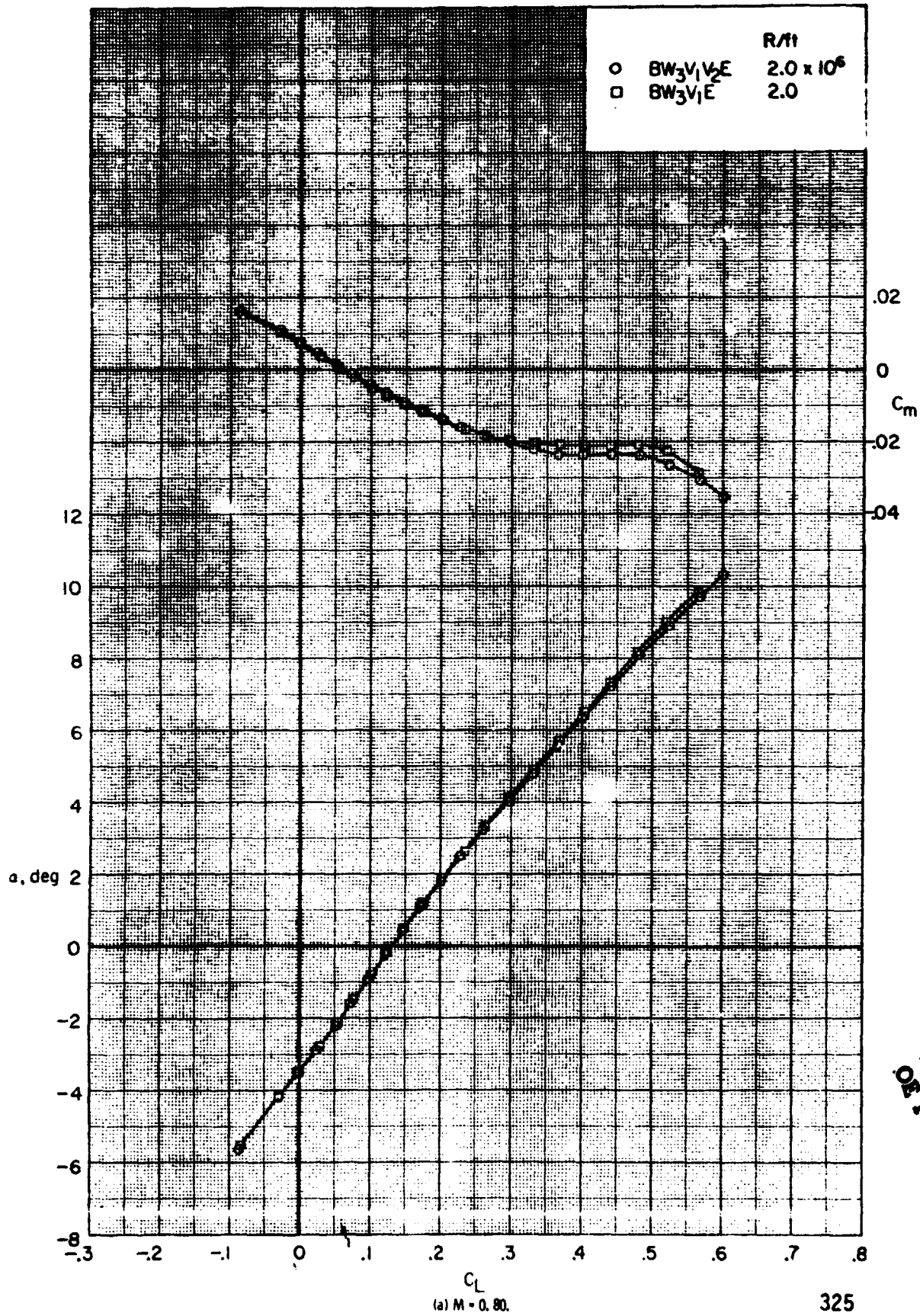
(9) M - 1.20.

Figure 23. - Continued.

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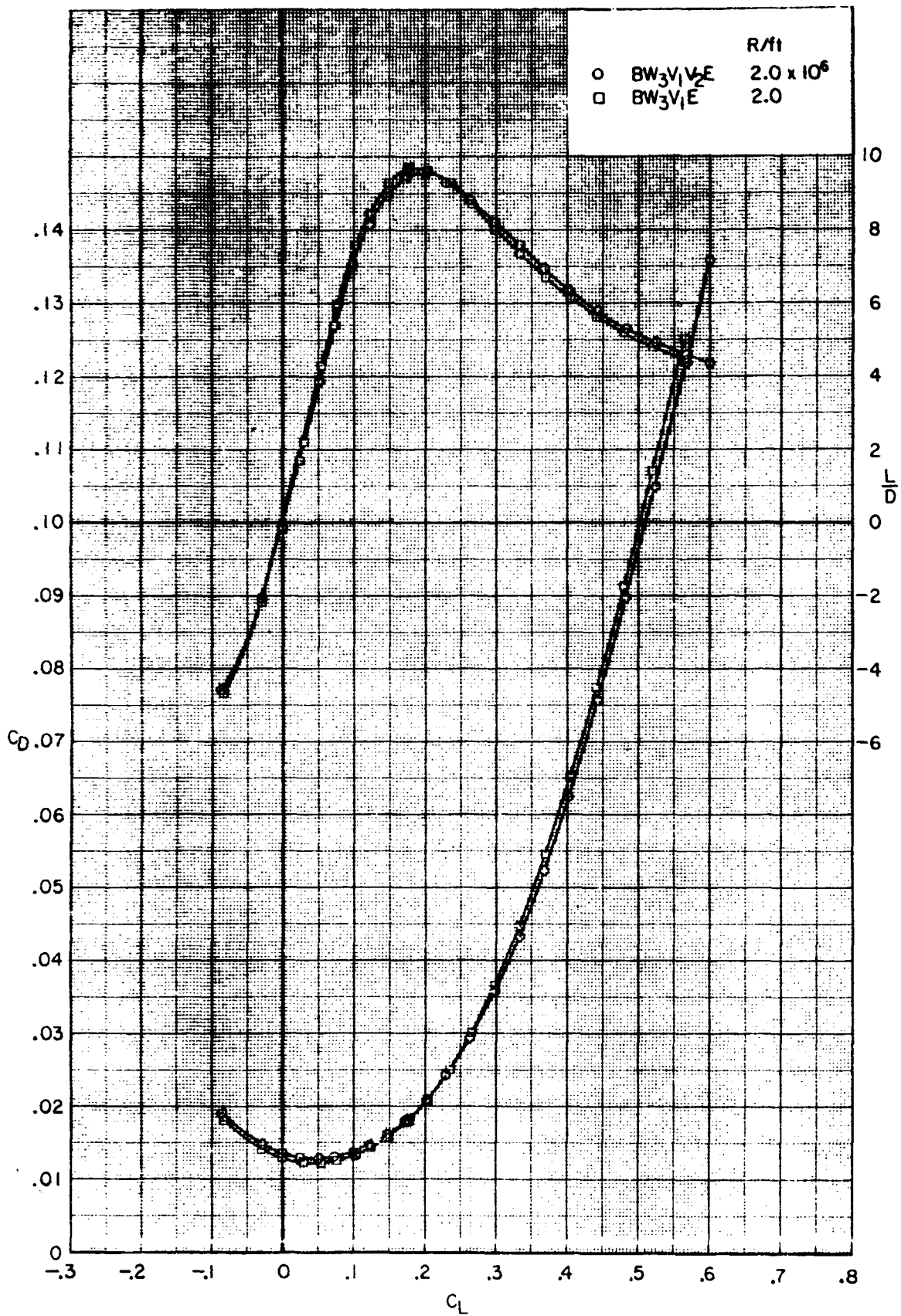
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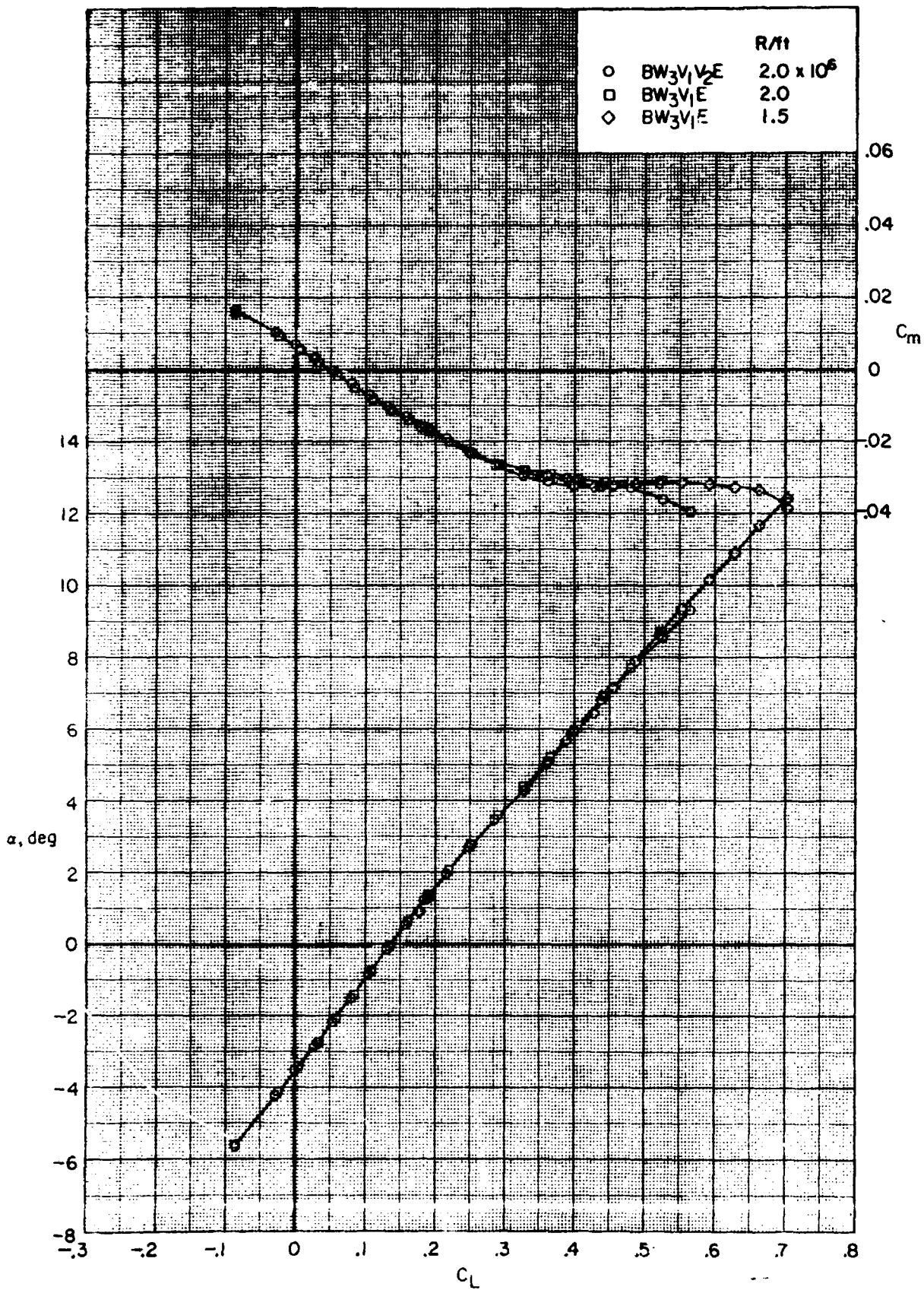


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Figure 24. - Effect of outboard vertical tails on the longitudinal aerodynamic characteristics.  
 $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{L6} = 20^\circ$ ;  $\delta_{L1,2,3} = 0^\circ$ ;  $\lambda_{tip} = 60^\circ$ .



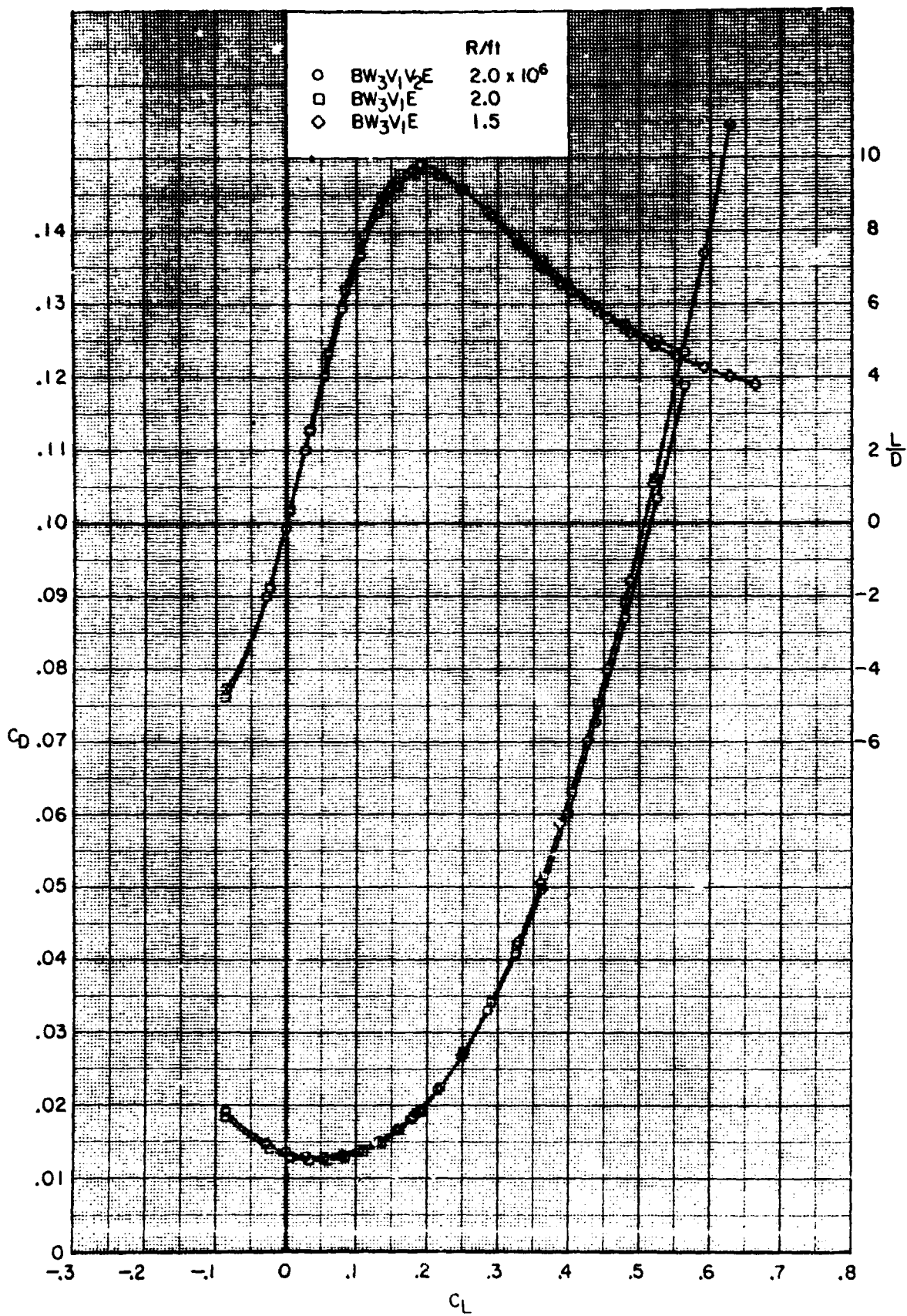


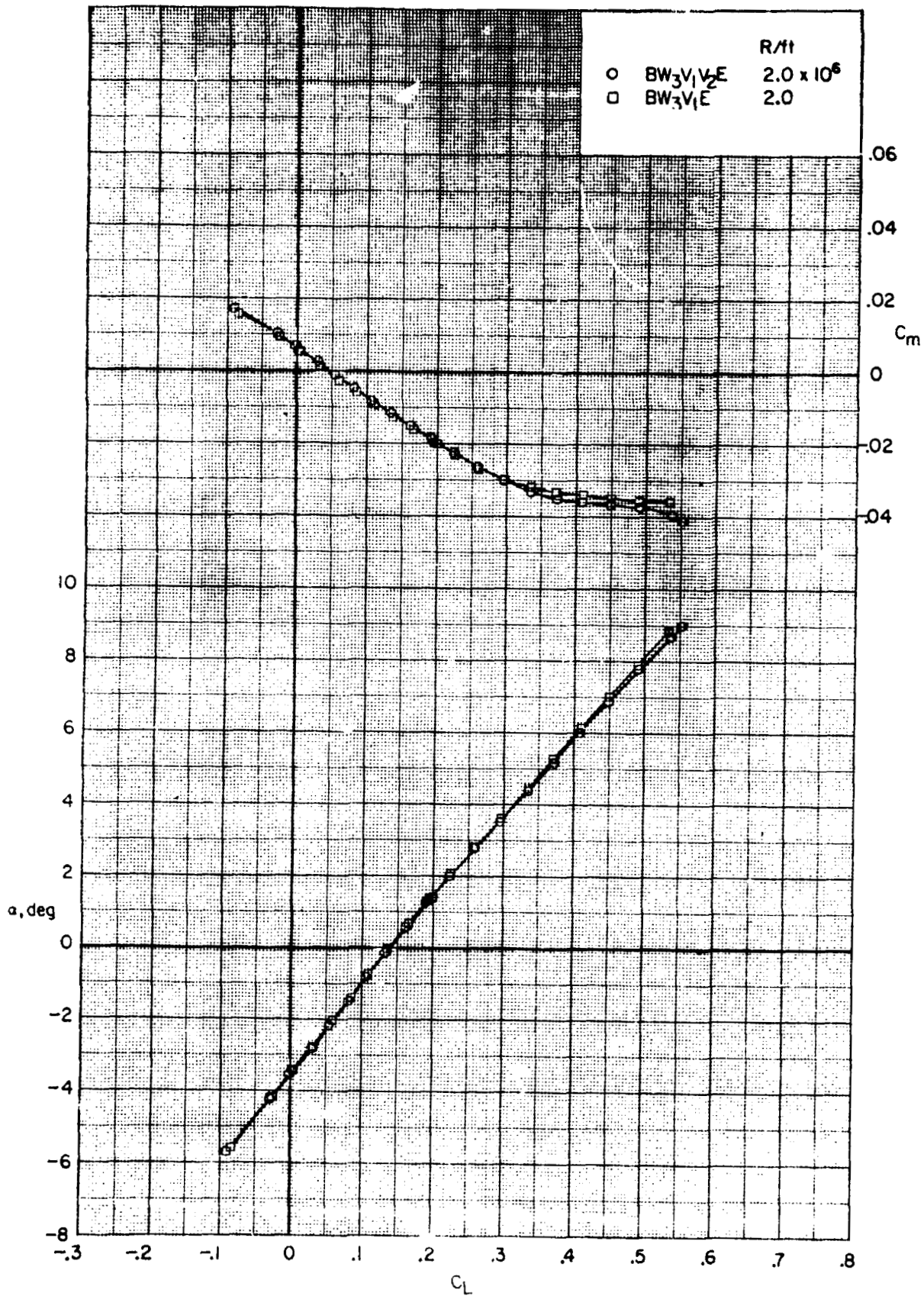


(b)  $M = 0.90$ .

Figure 24. - Continued.

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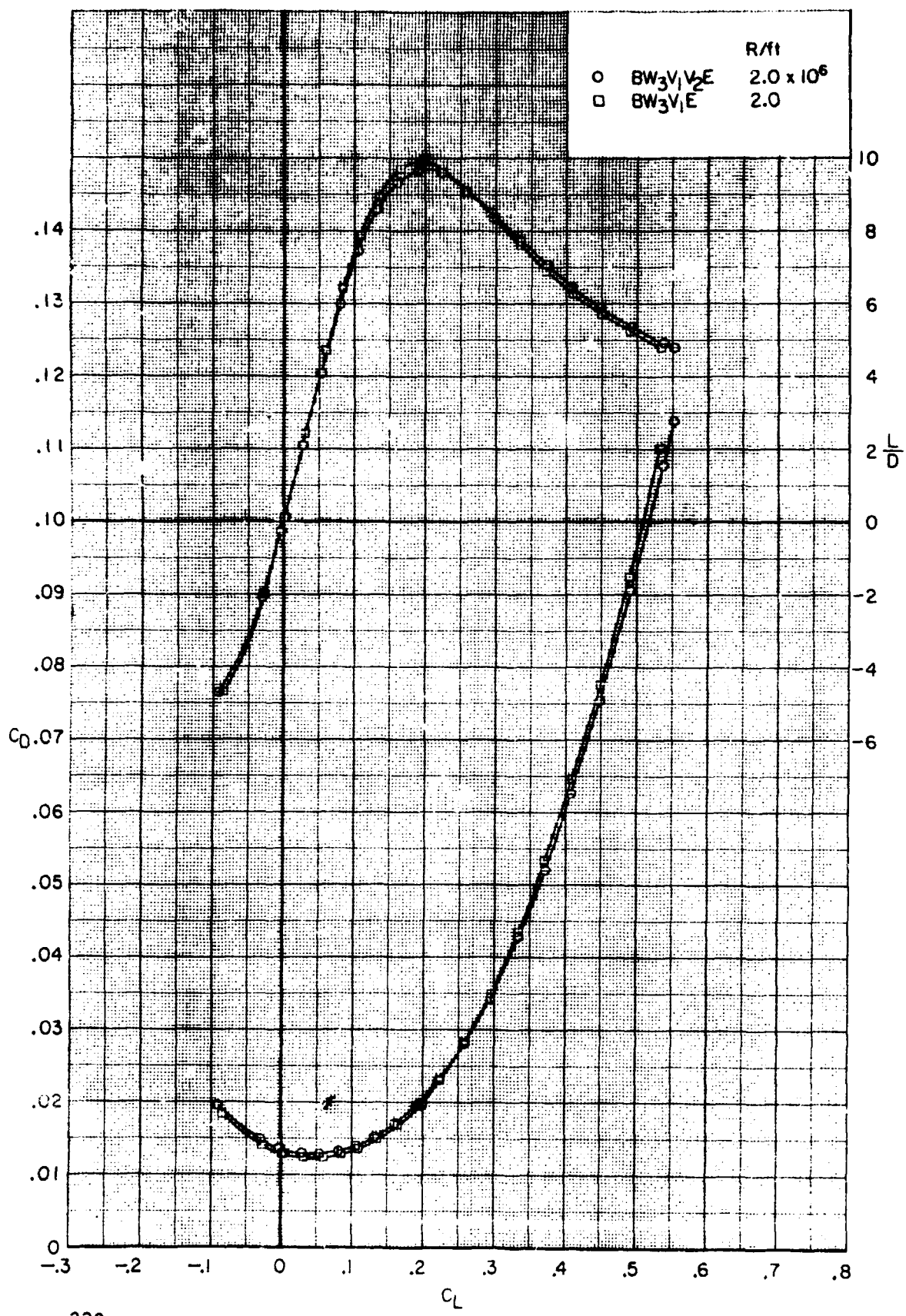


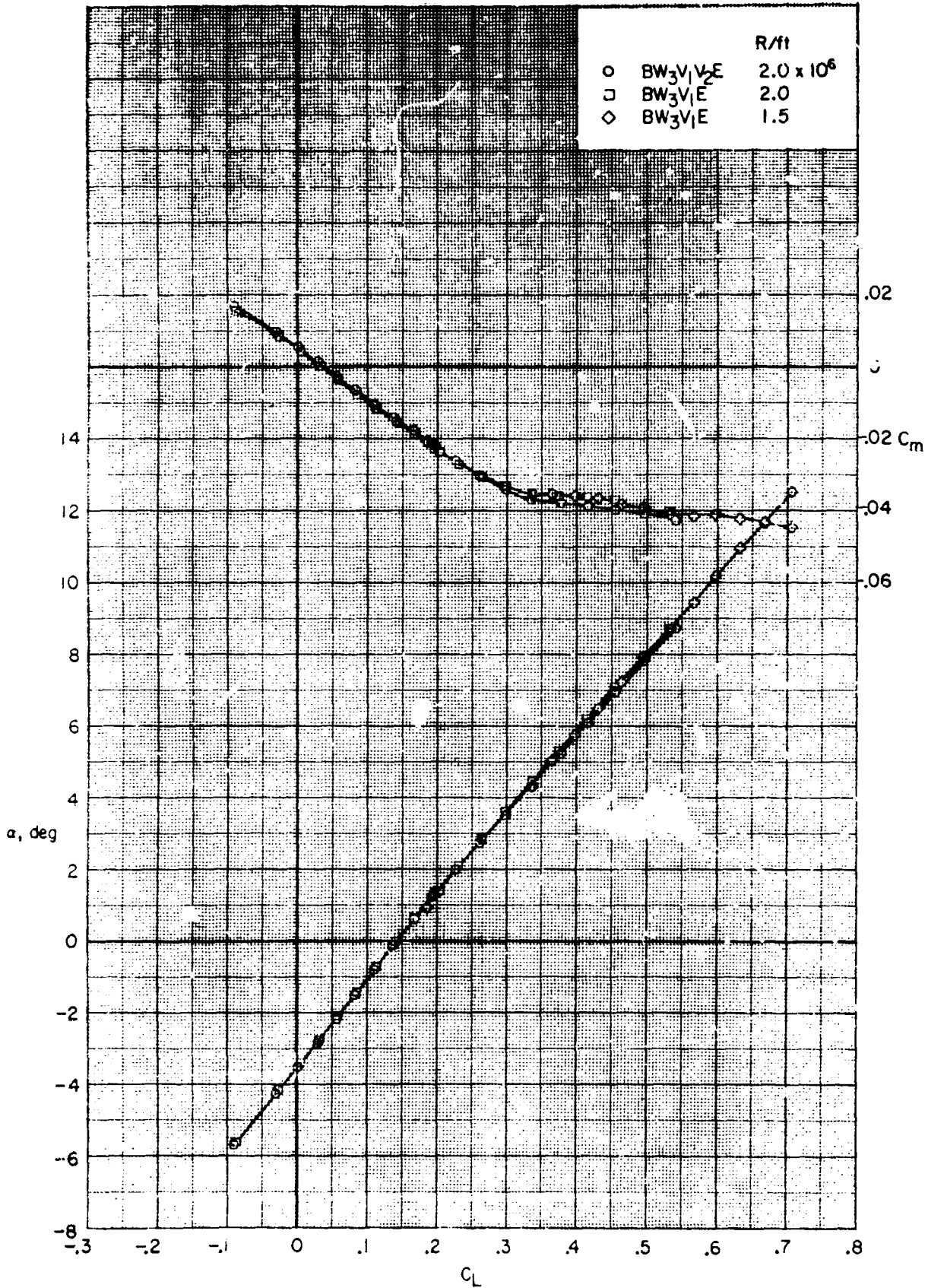
(c)  $M = 0.925$ .

Figure 24. - Continued.

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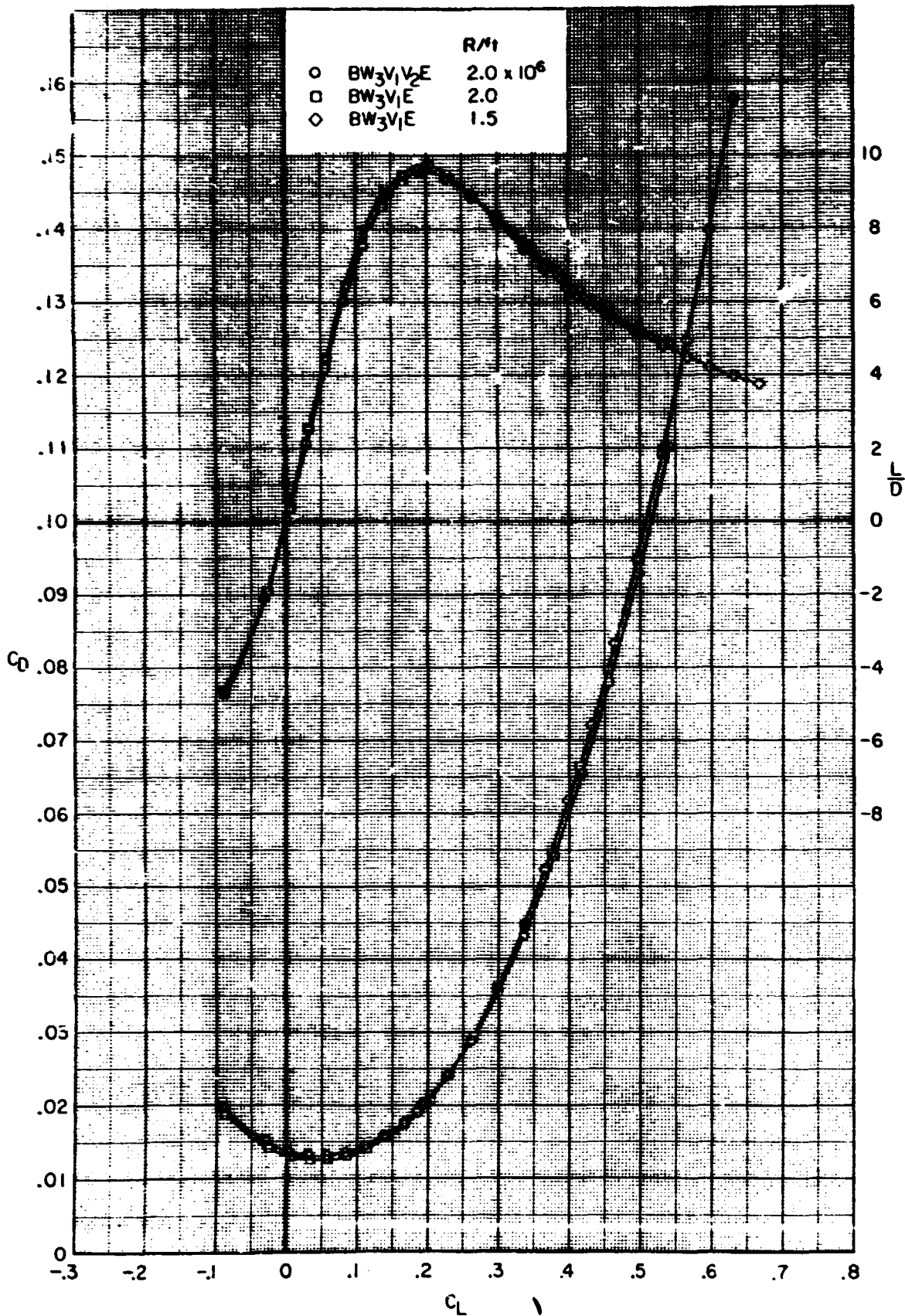


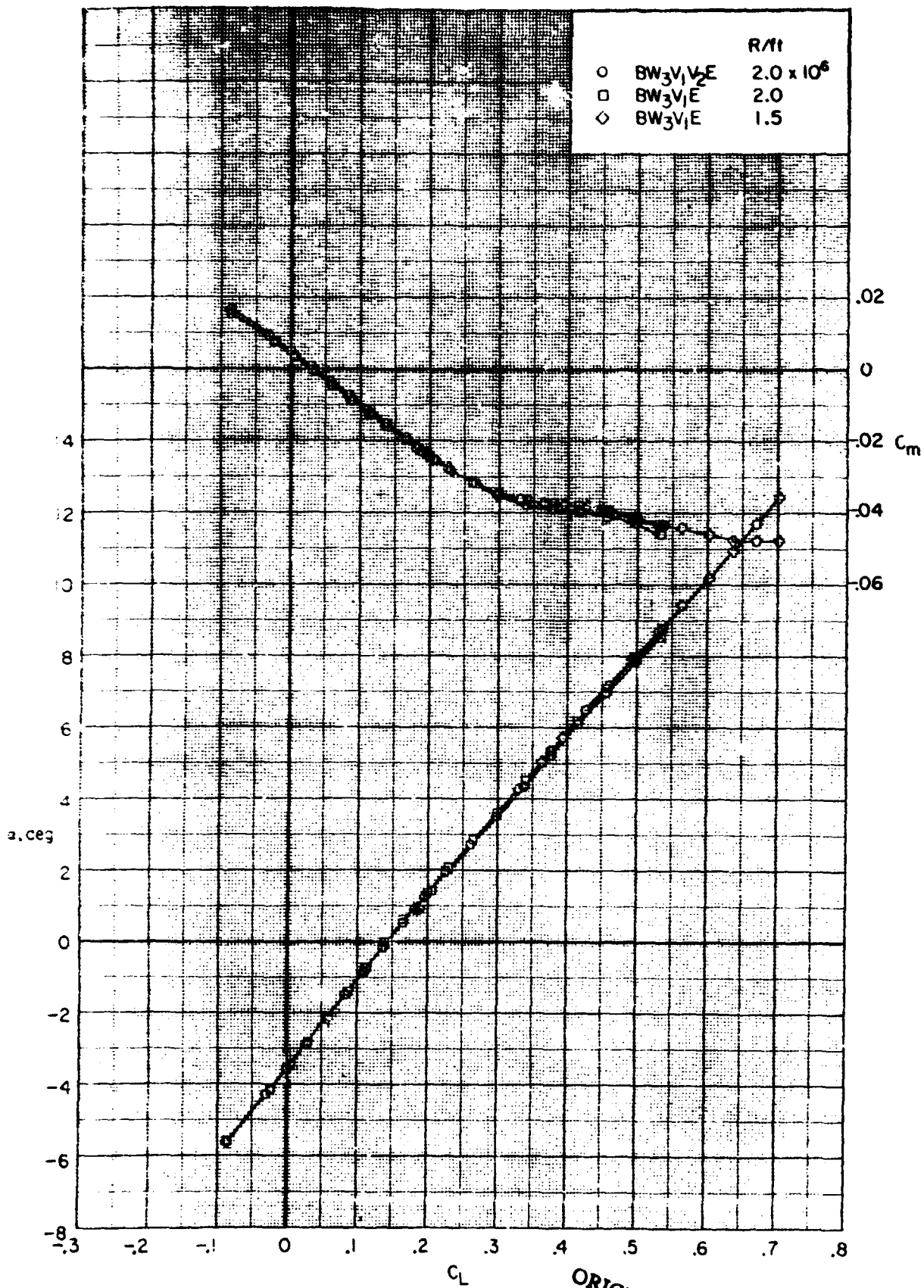


(d)  $M = 0.95$ .

Figure 24. - Continued.

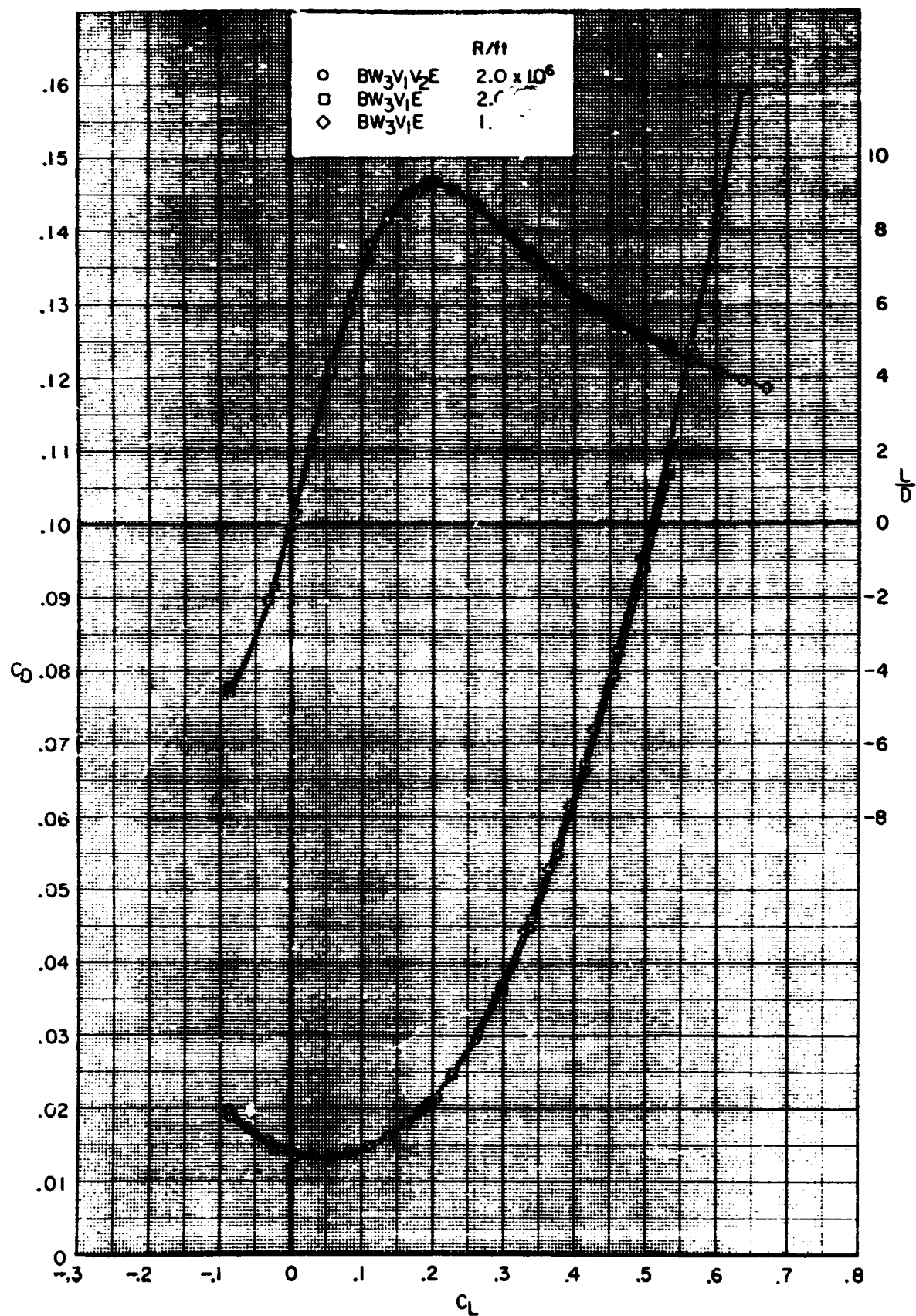
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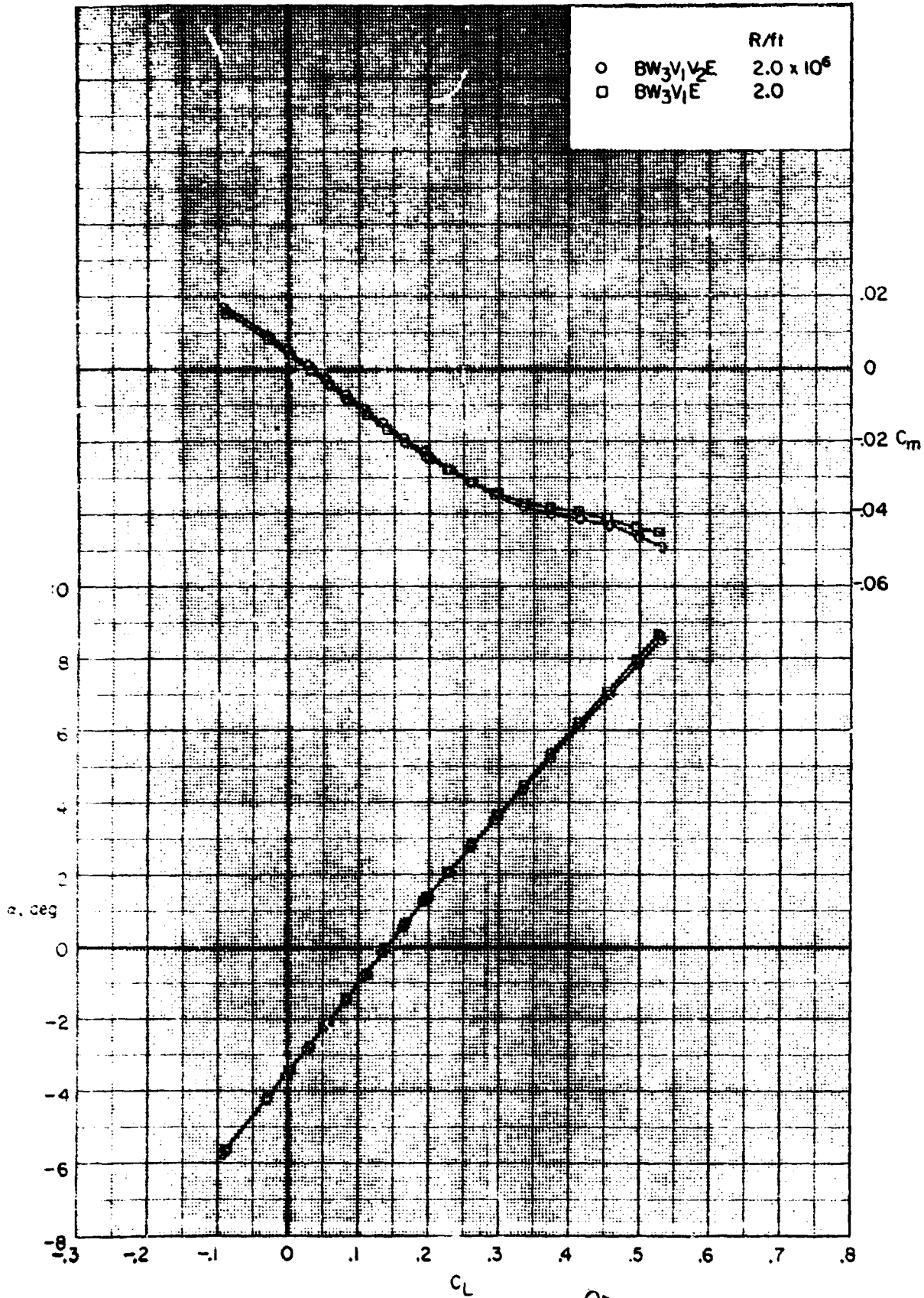
(e)  $M = 0.975$ .  
 Figure 24. - Continued.

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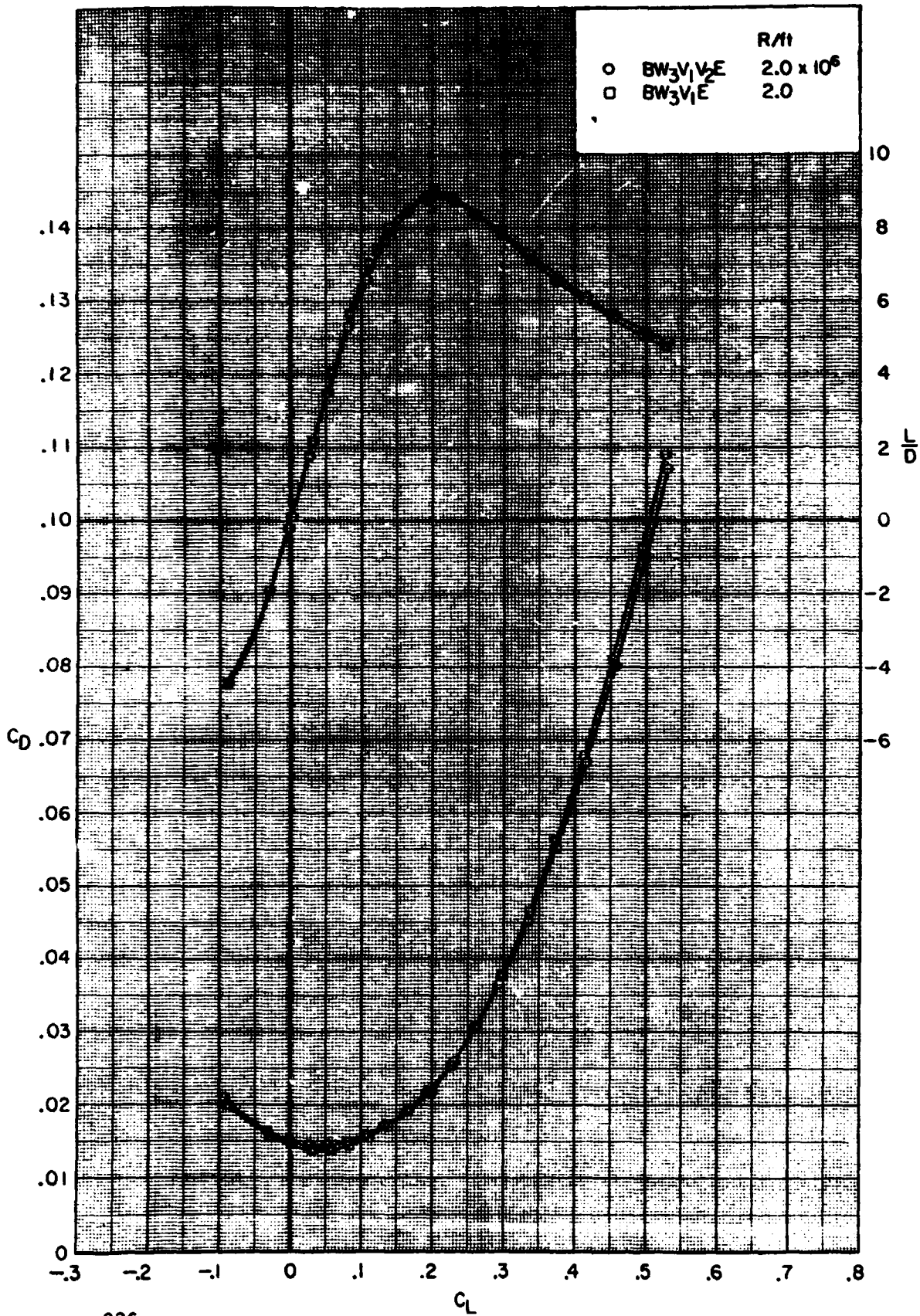
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(1)  $M = 1.00$ .

Figure 24 - Continued.

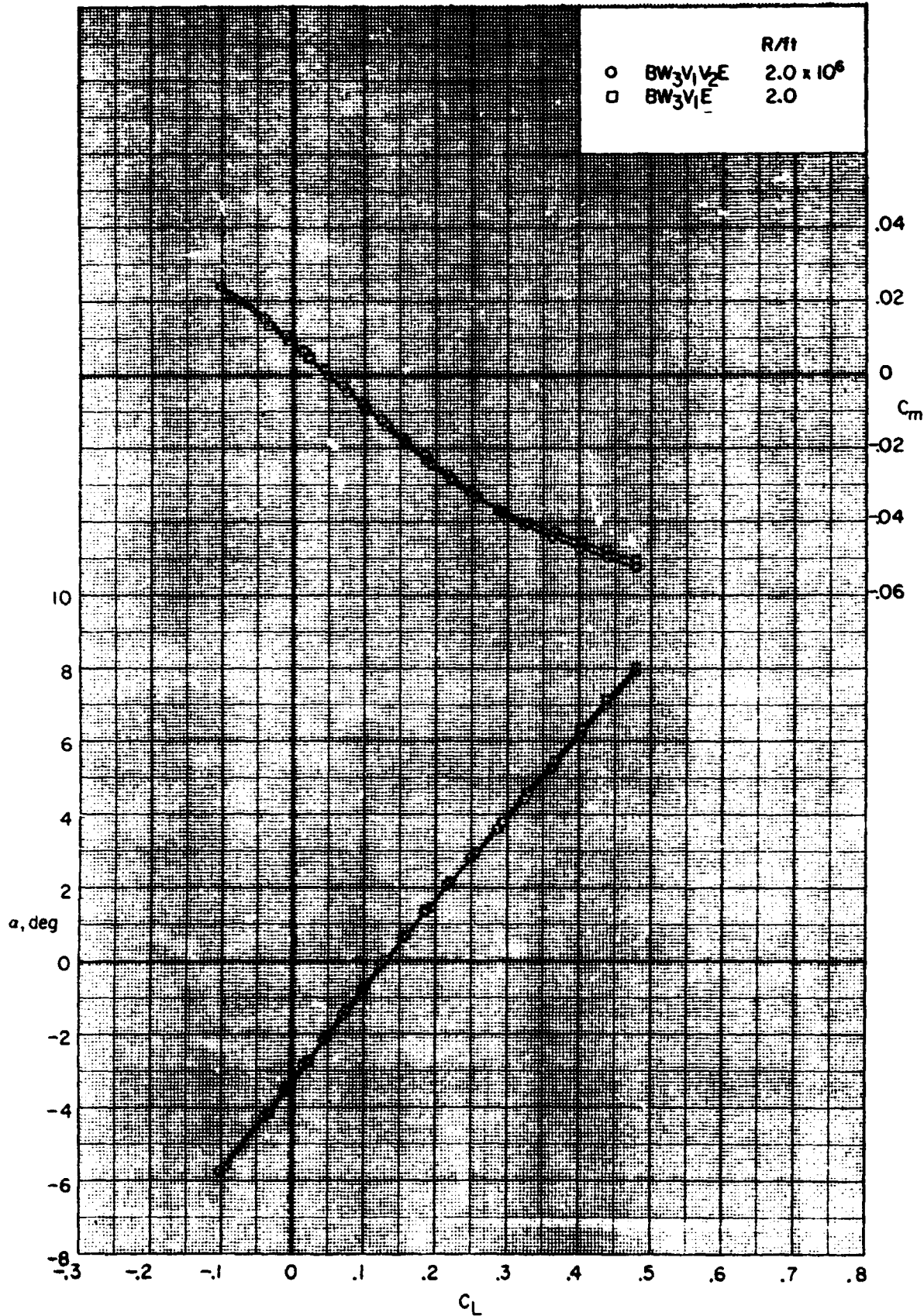
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(f)  $M = 1.00$ . Concluded.

Figure 24. - Continued.

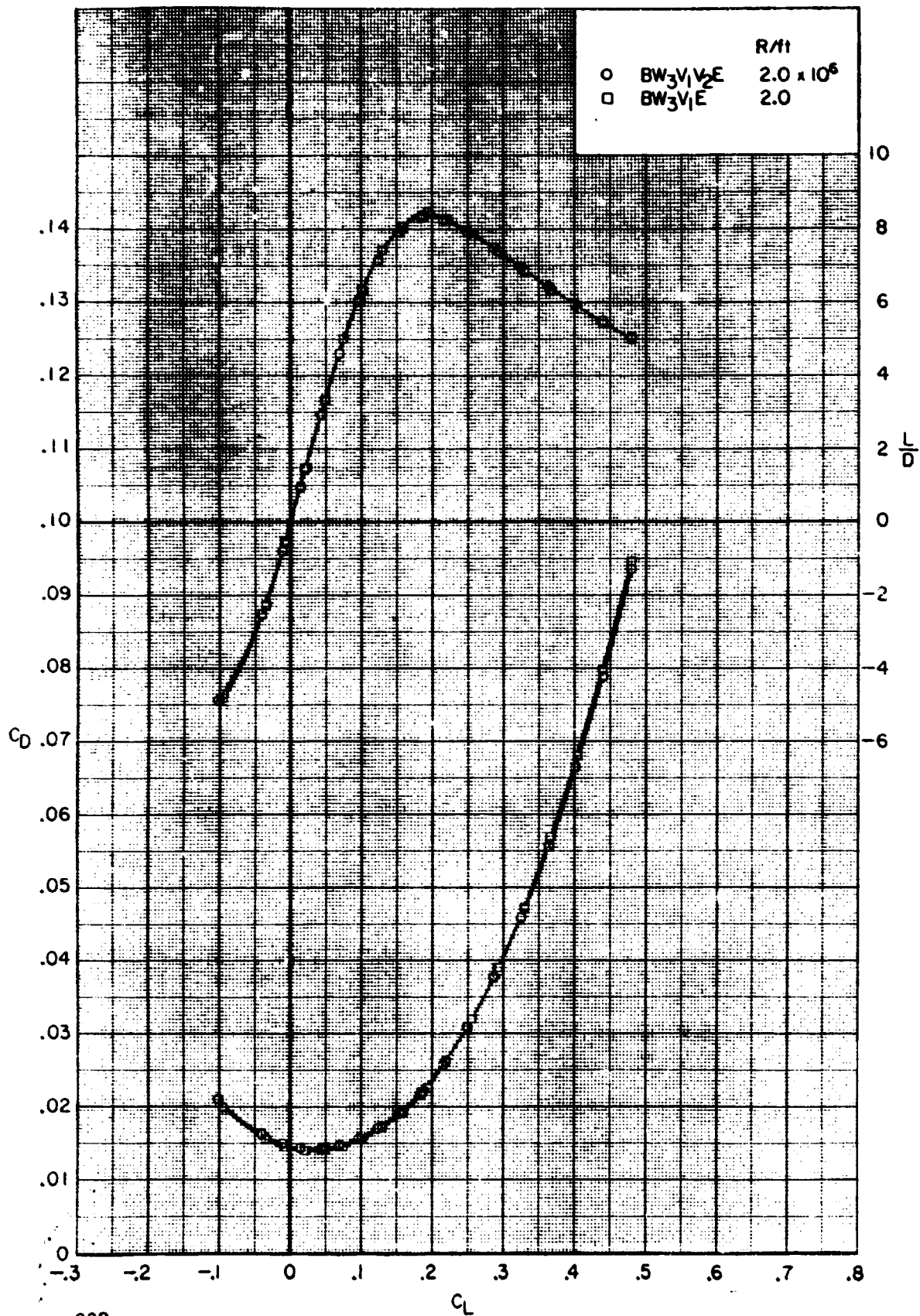


(g) M = 1.20.

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Figure 24. - Continuation of Figure 23. ORIGINAL PAGE IS OF POOR QUALITY





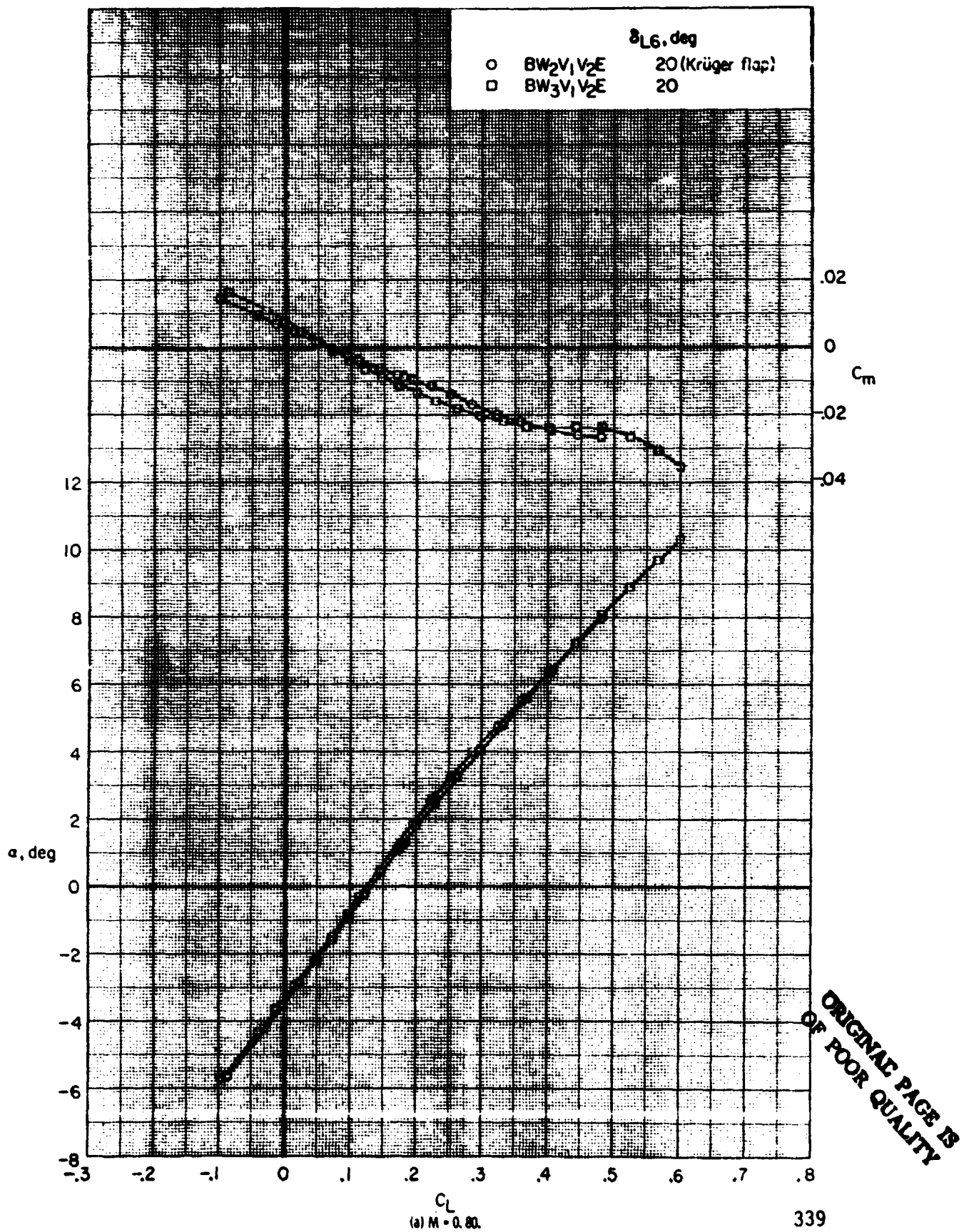
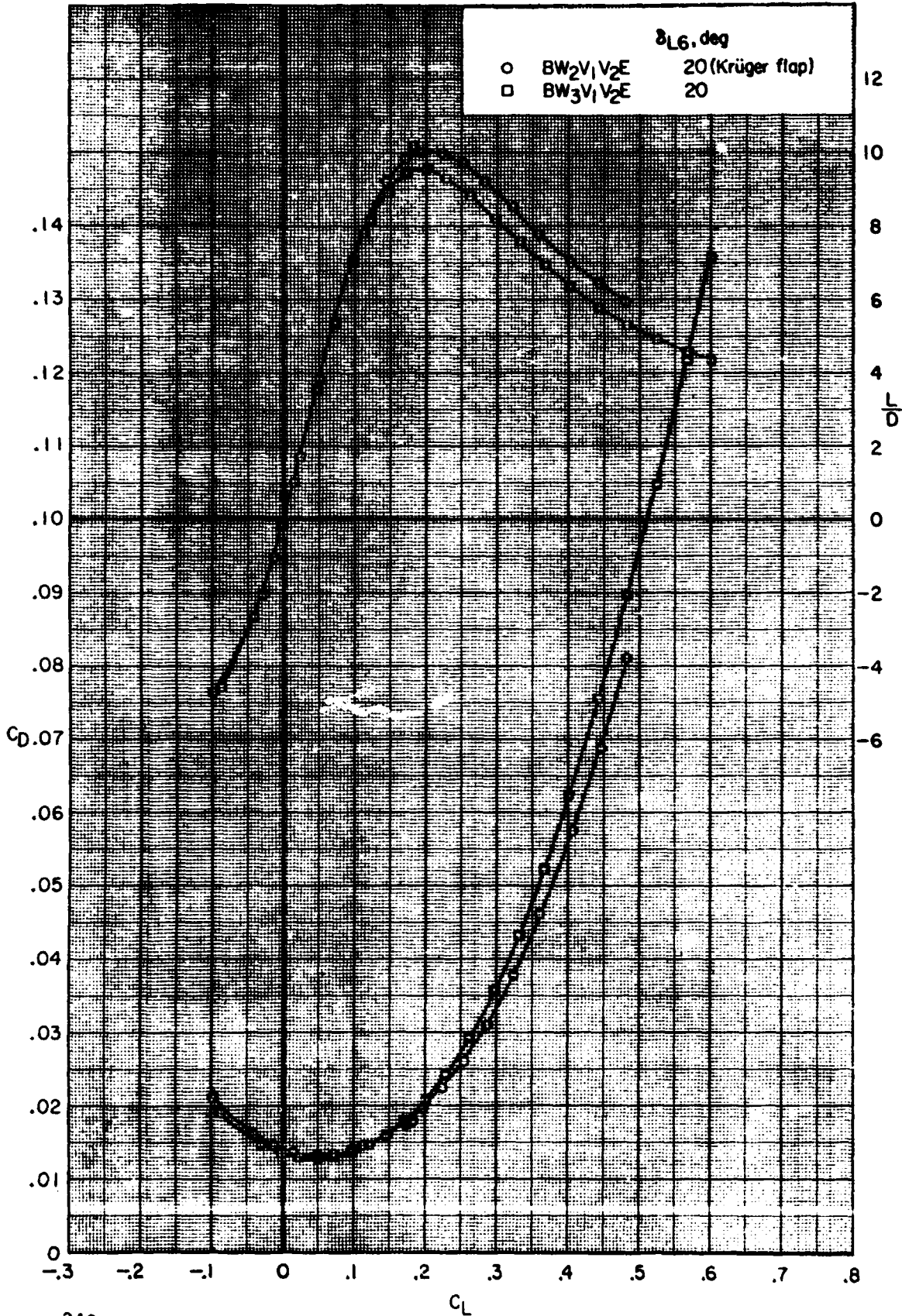
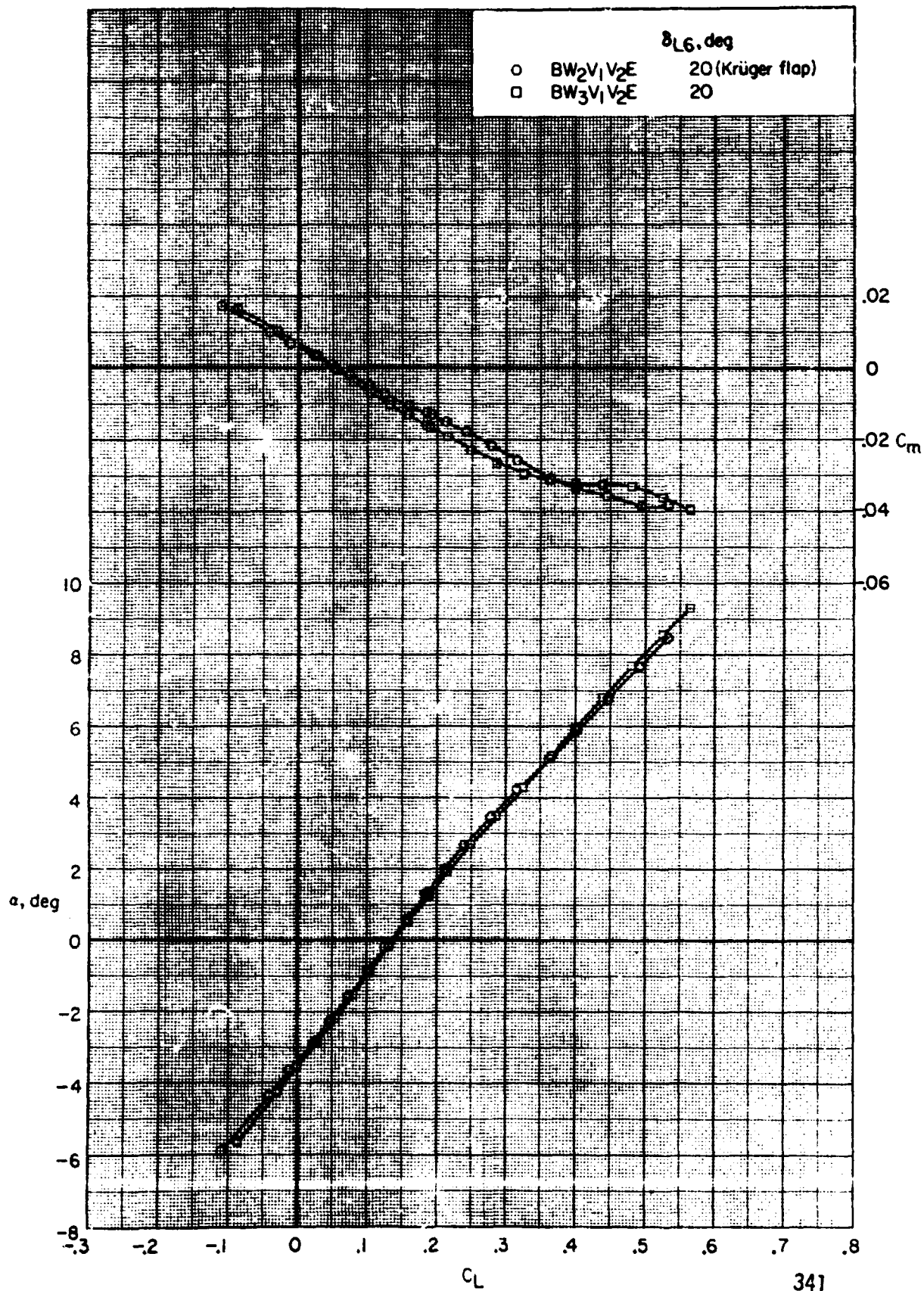


Figure 25. - Comparison of the longitudinal aerodynamic characteristics for two configurations having a different wing leading-edge camber, wing-tip geometry, and wing-tip flap.  $\delta_{L1,2,3,4,5} = 0^\circ$ ;  $\delta_{L1,2,3} = 5^\circ$ ;  $\Lambda_{\text{tip}} = 60^\circ$ .

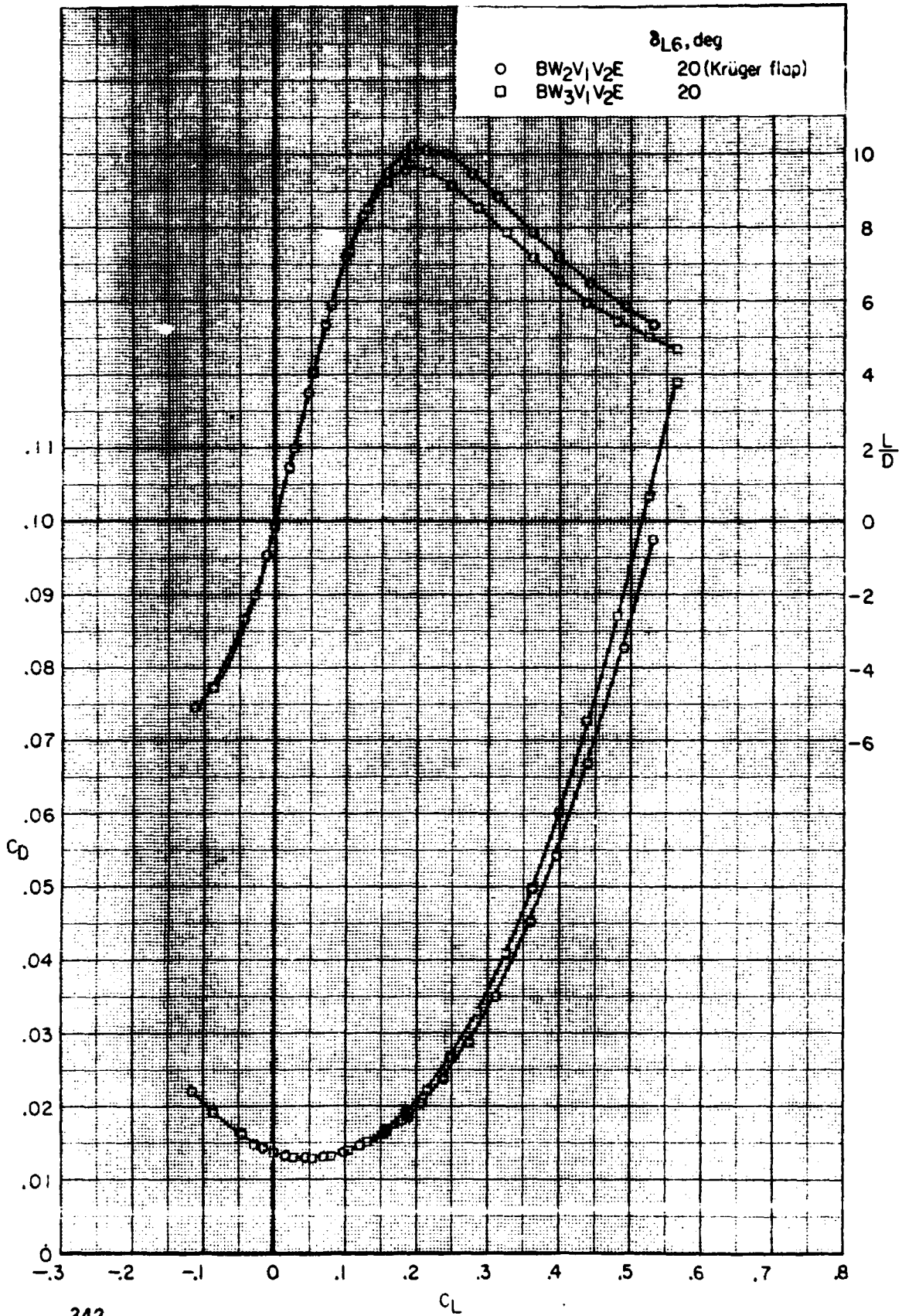




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(b)  $M = 0.90$

Figure 25. - Continued.

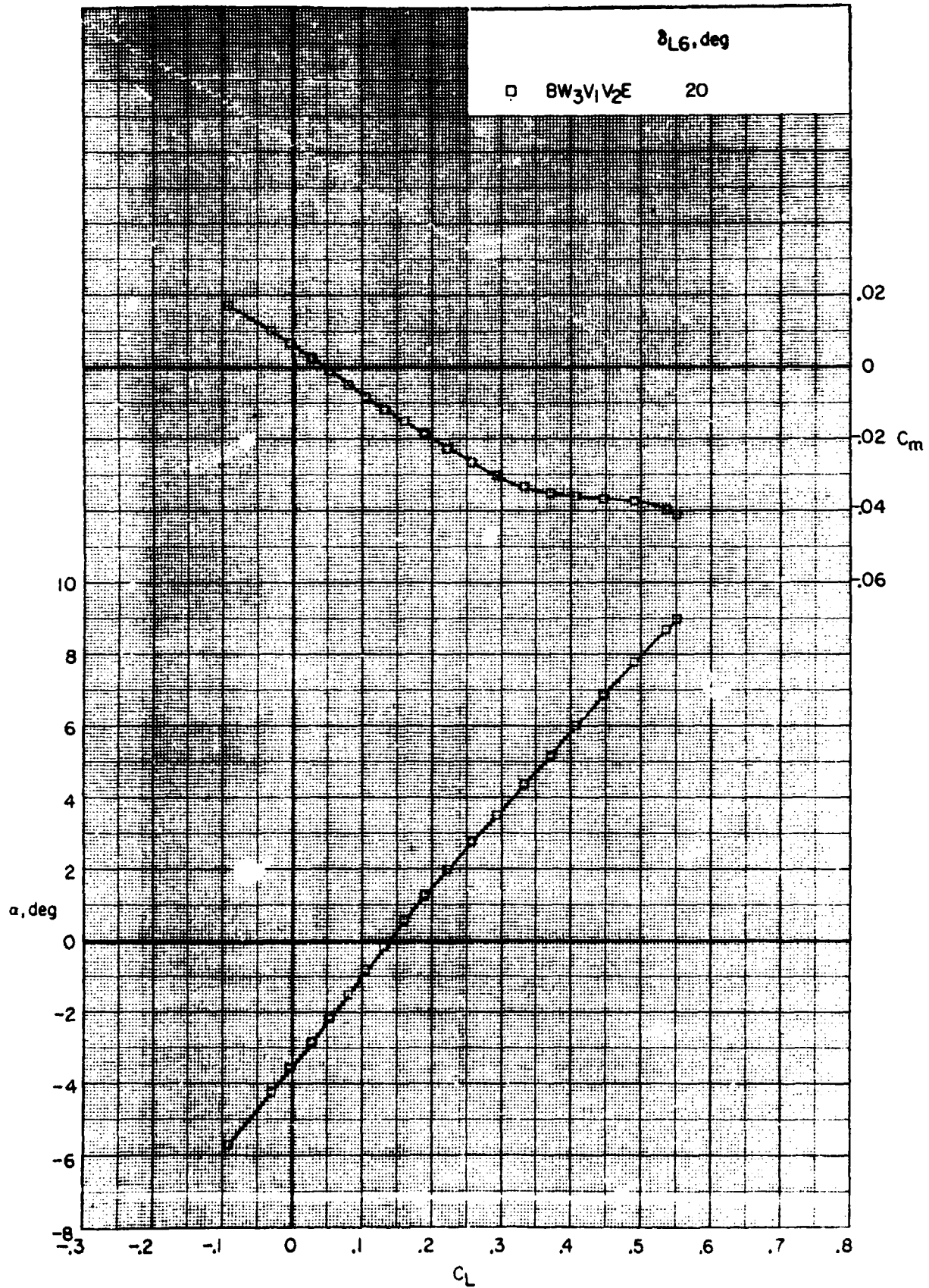


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(b)  $M = 0.90$ . Concluded.

Figure 25. - Continued.

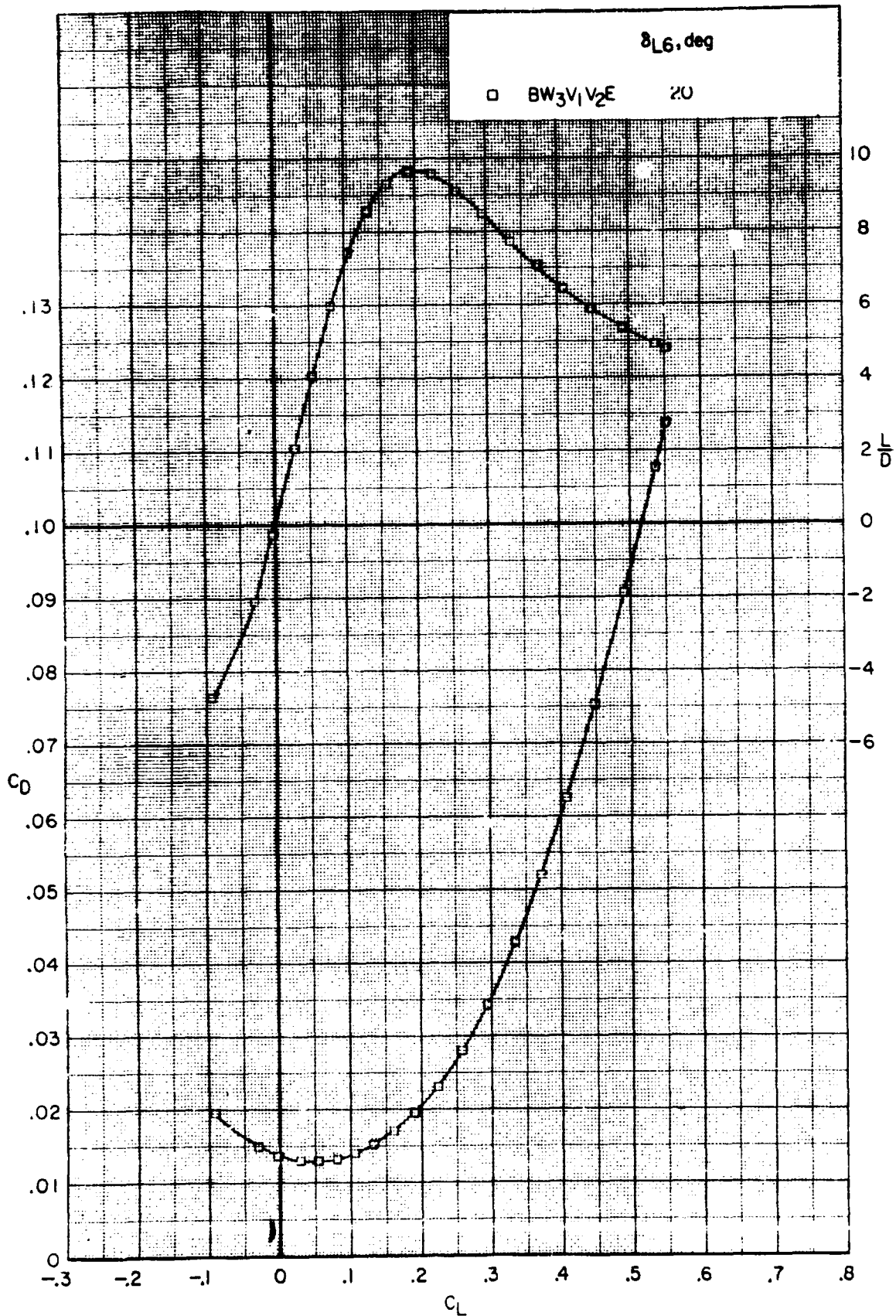


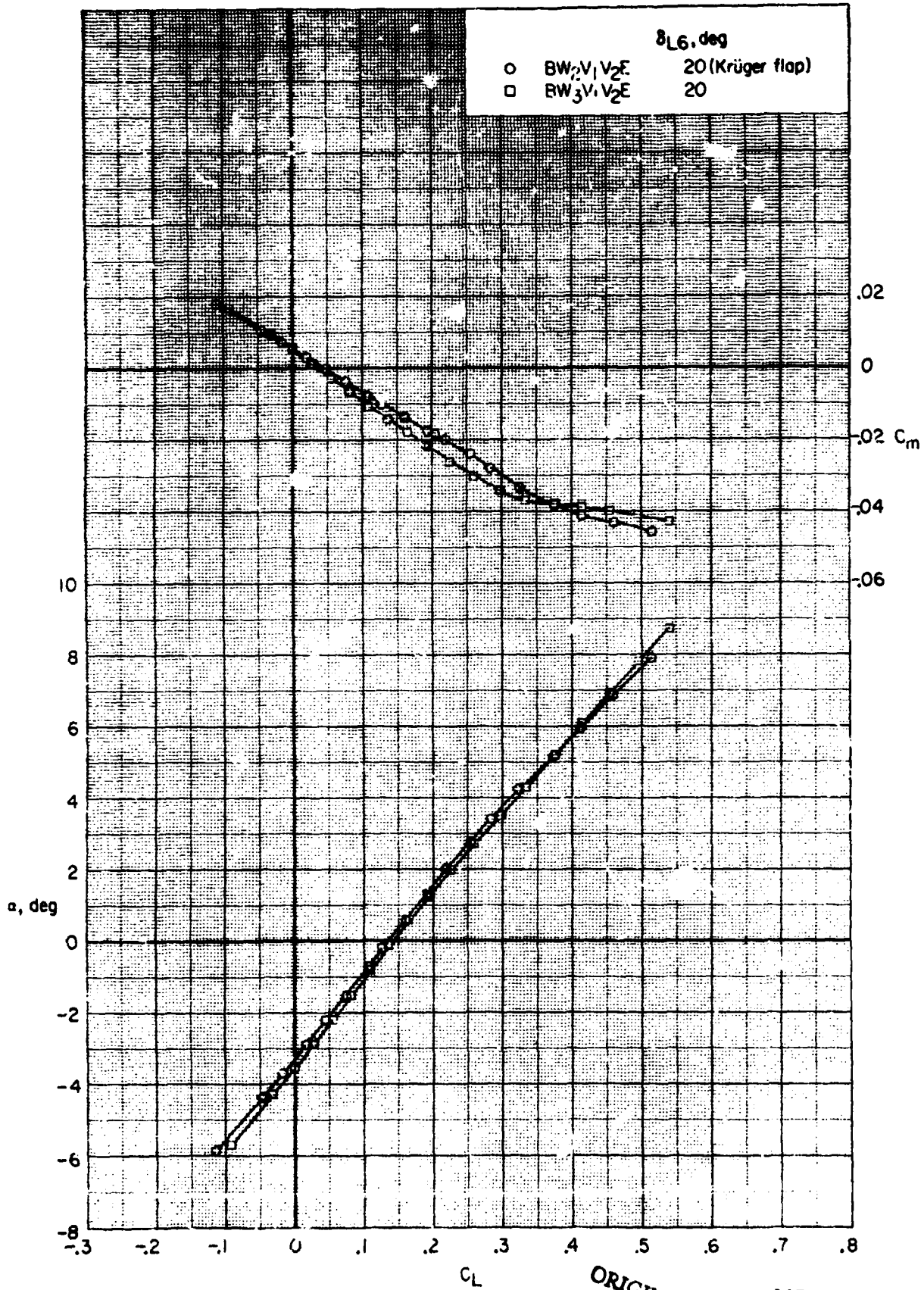


(c)  $M = 0.925$ .

Figure 25. - Continued.

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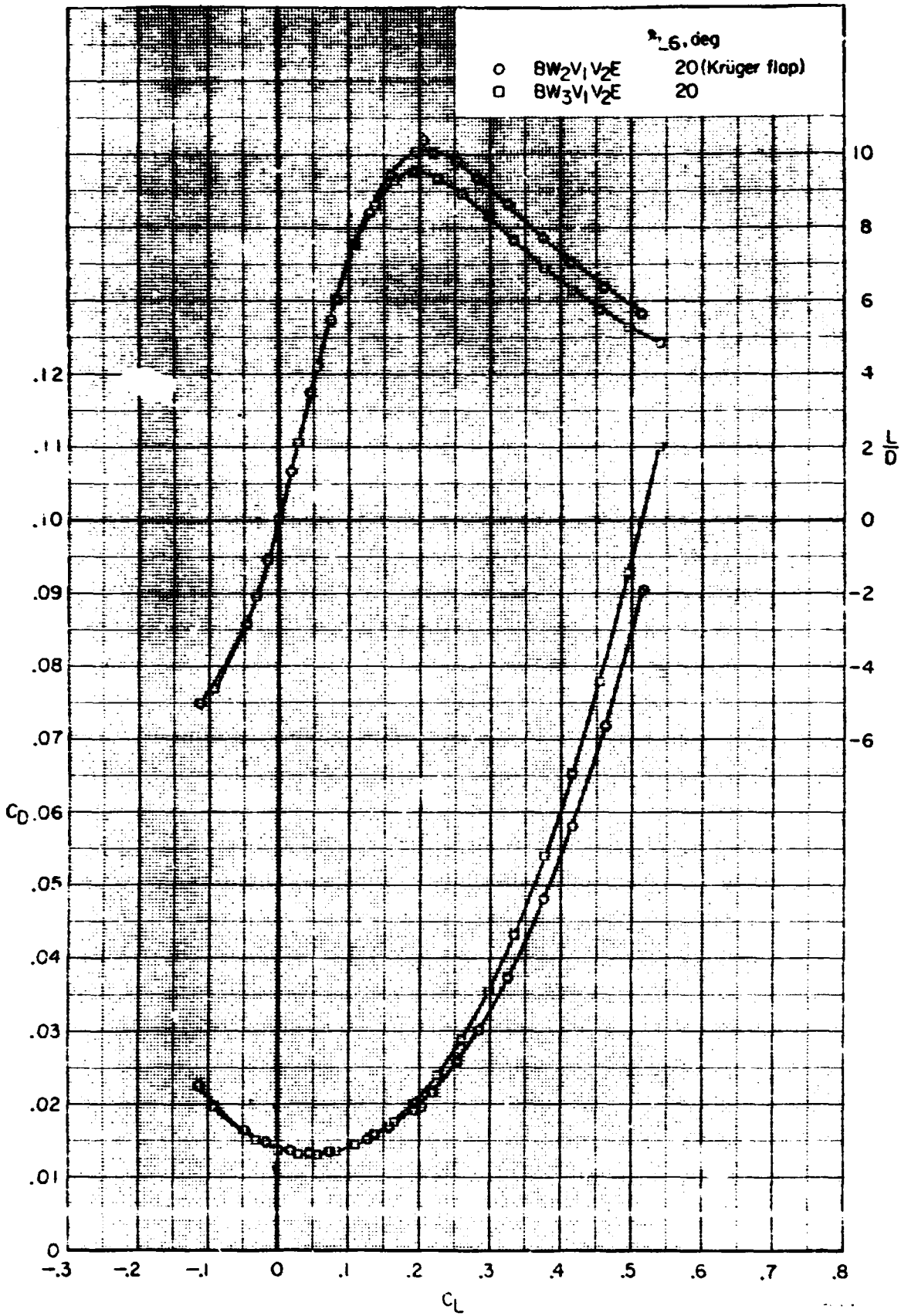


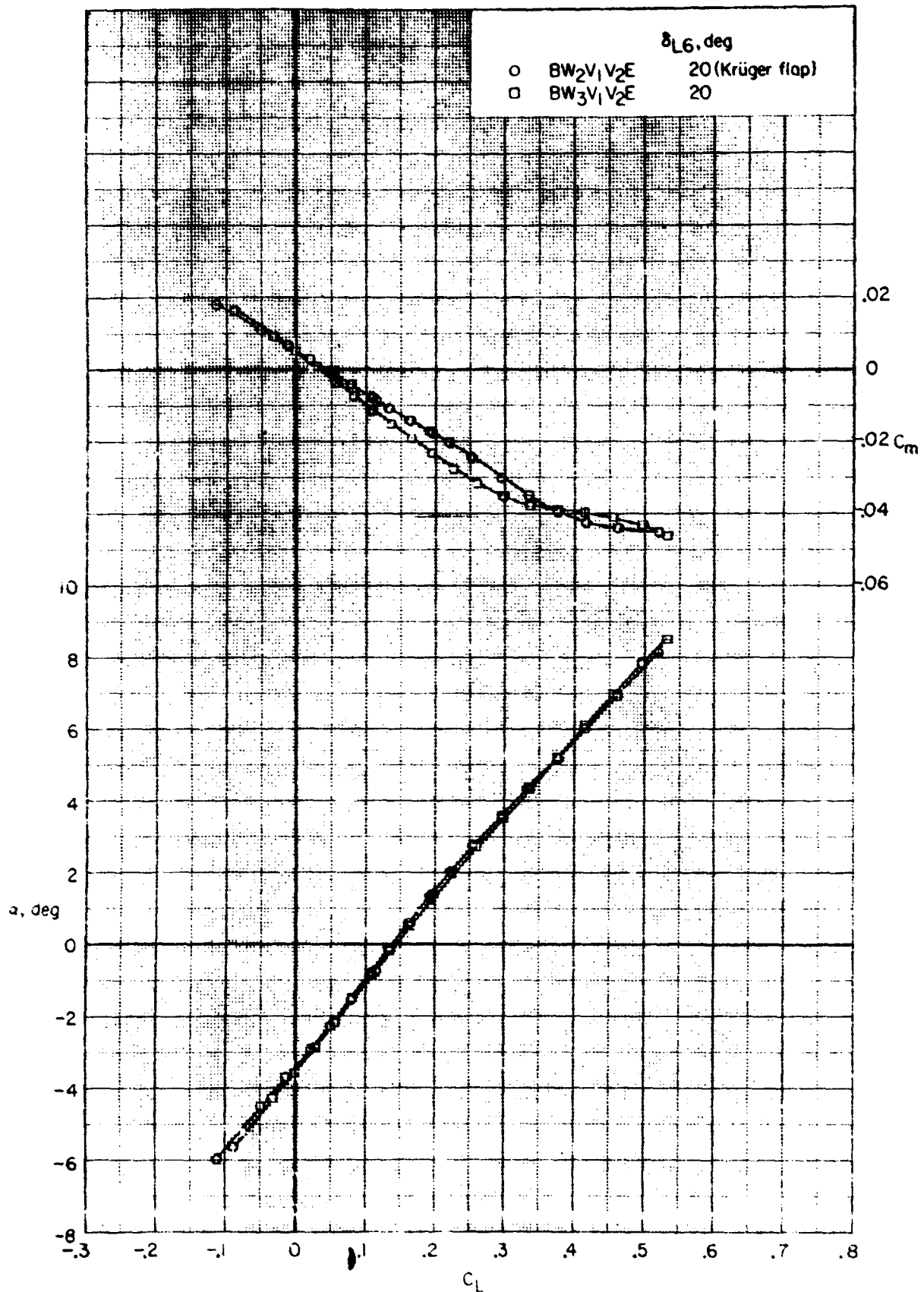


$C_L$   
 (d)  $M = 0.95$ .  
 Figure 25. - Continued.

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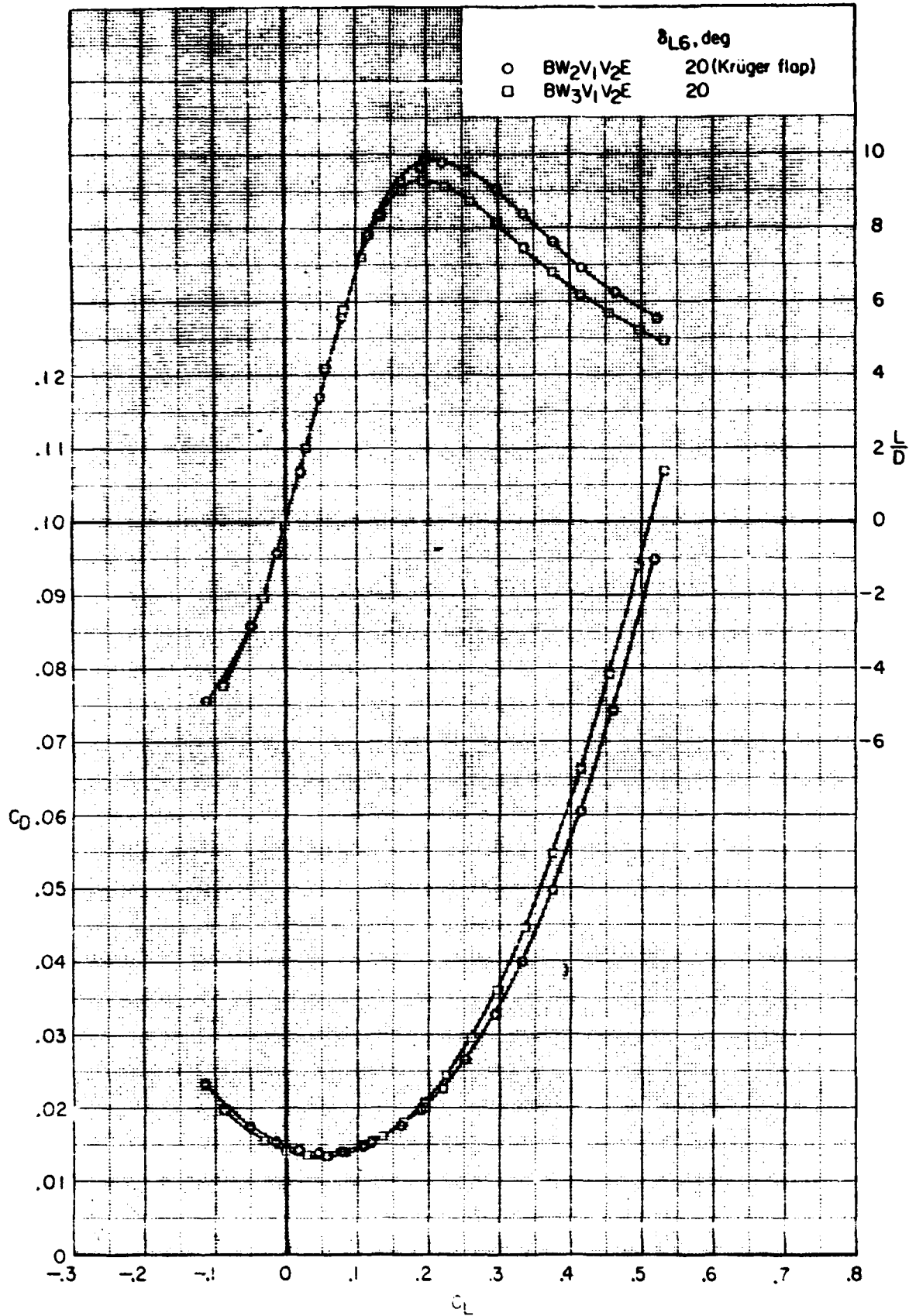




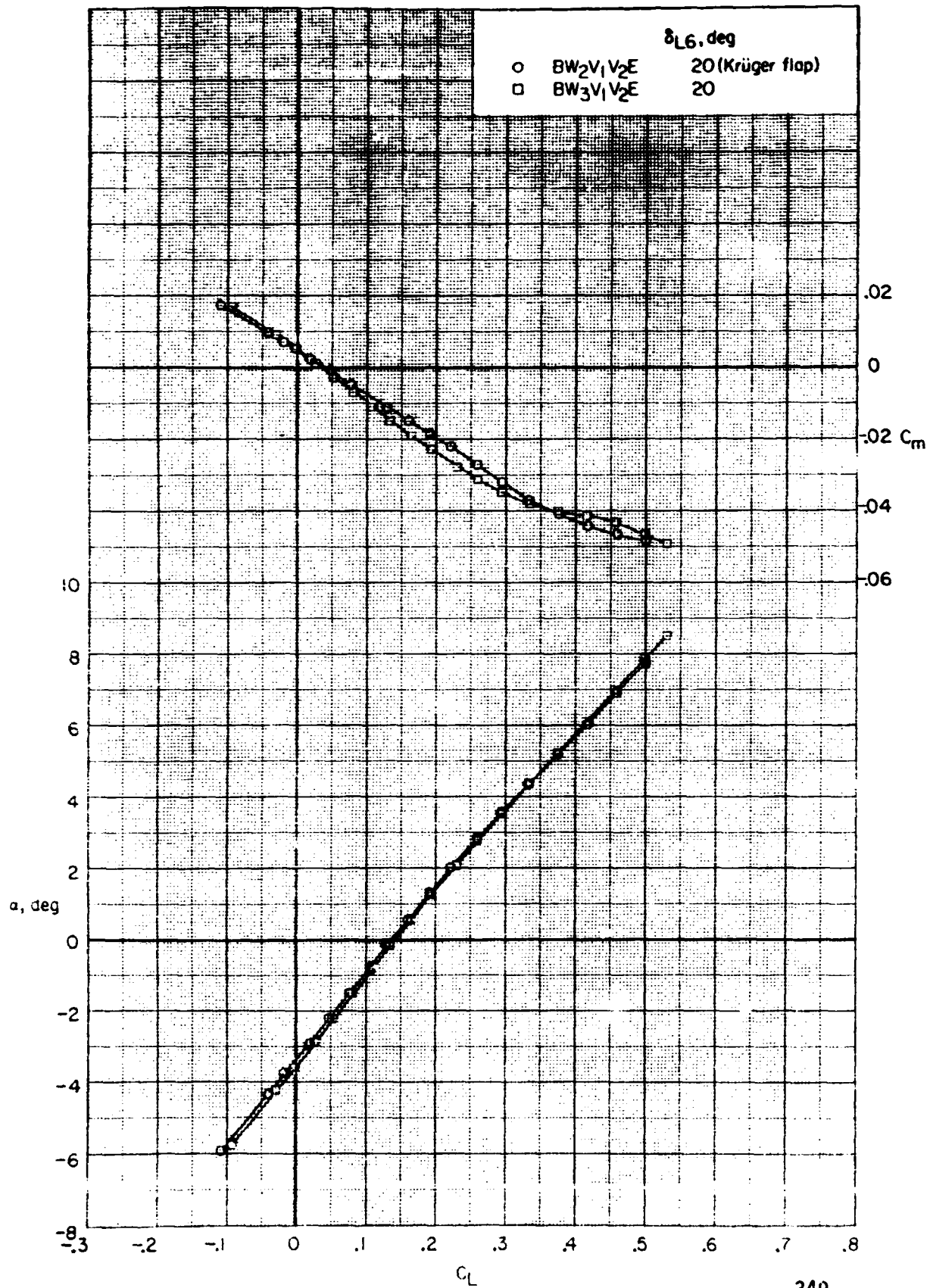
Re M = 0.475.

Figure 25. Continued.

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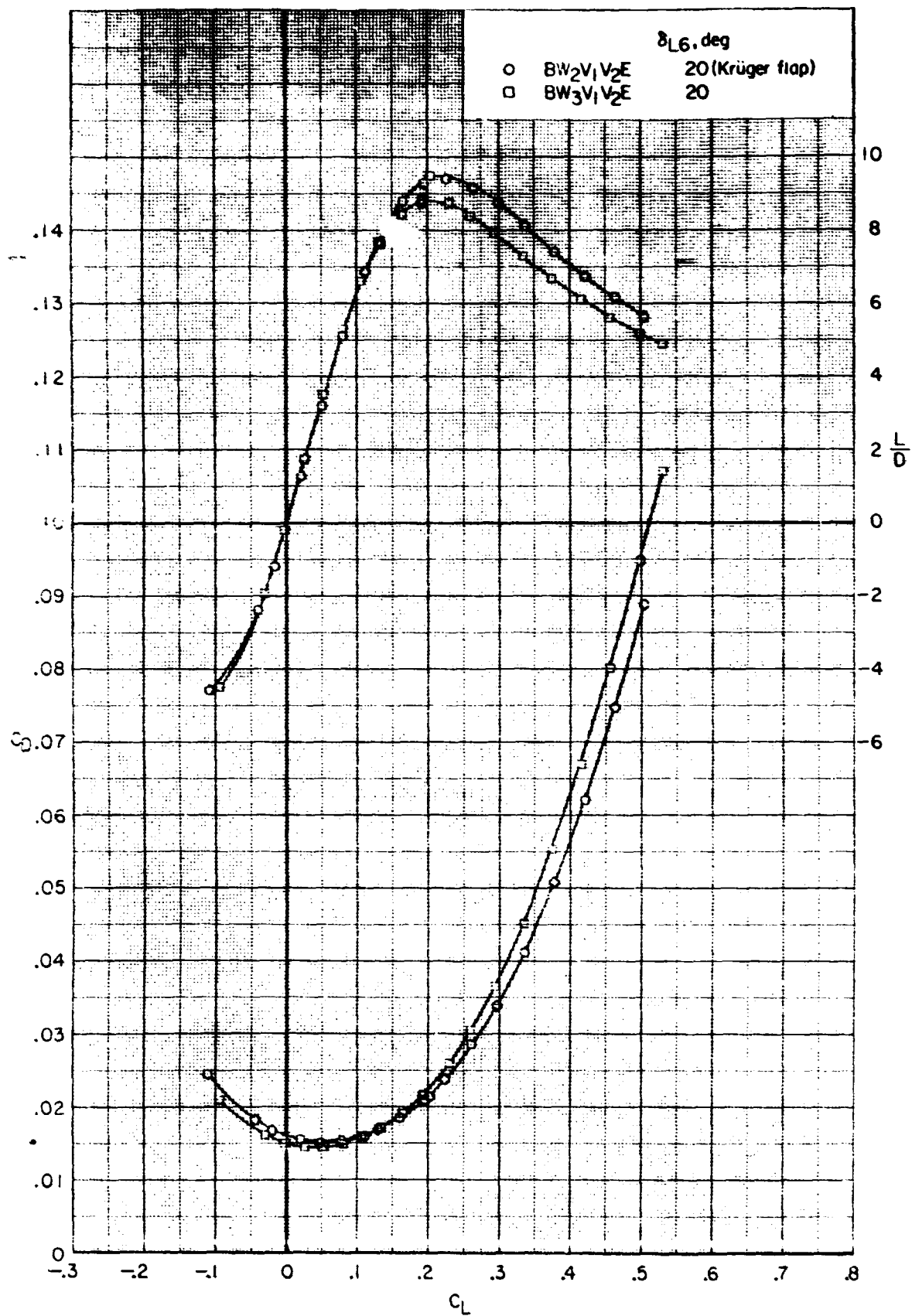


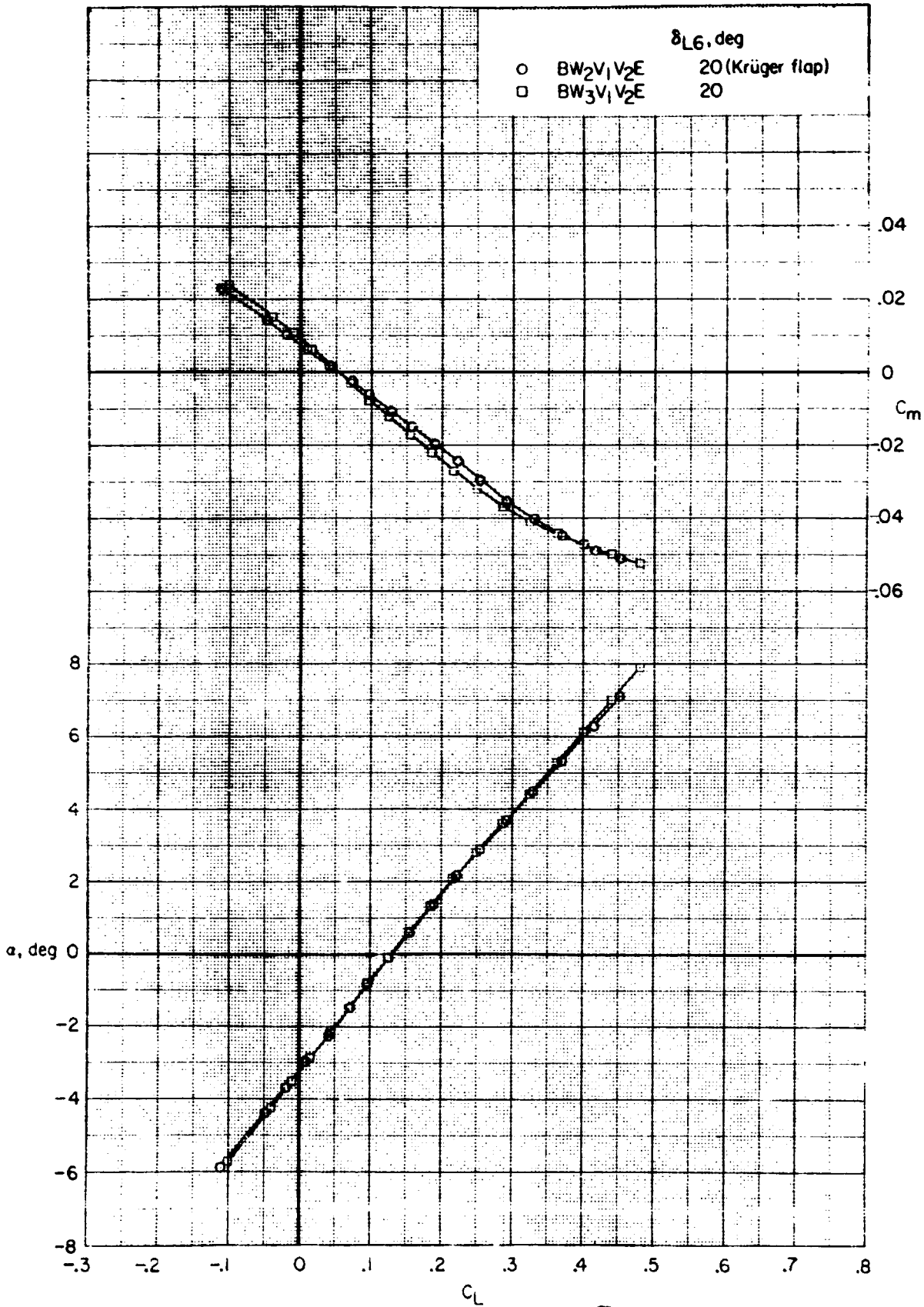
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(1)  $M = 1.00$ .

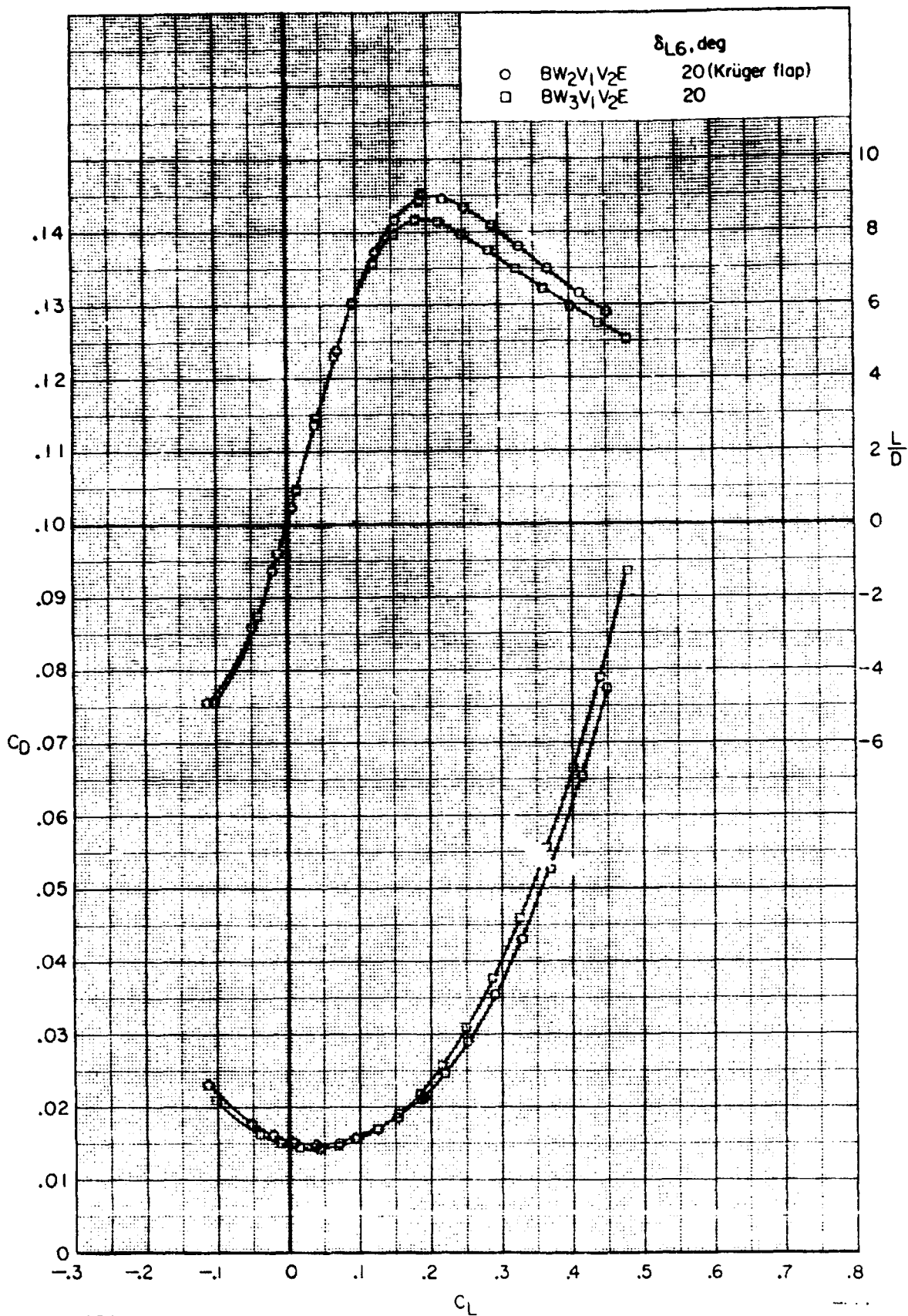
Figure 25. - Continued.





$C_L$   
 (g) M = 1.20.  
 Figure 25. - Continued.

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(g)  $M = 1.20$ . Concluded.

Figure 25. - Concluded.