



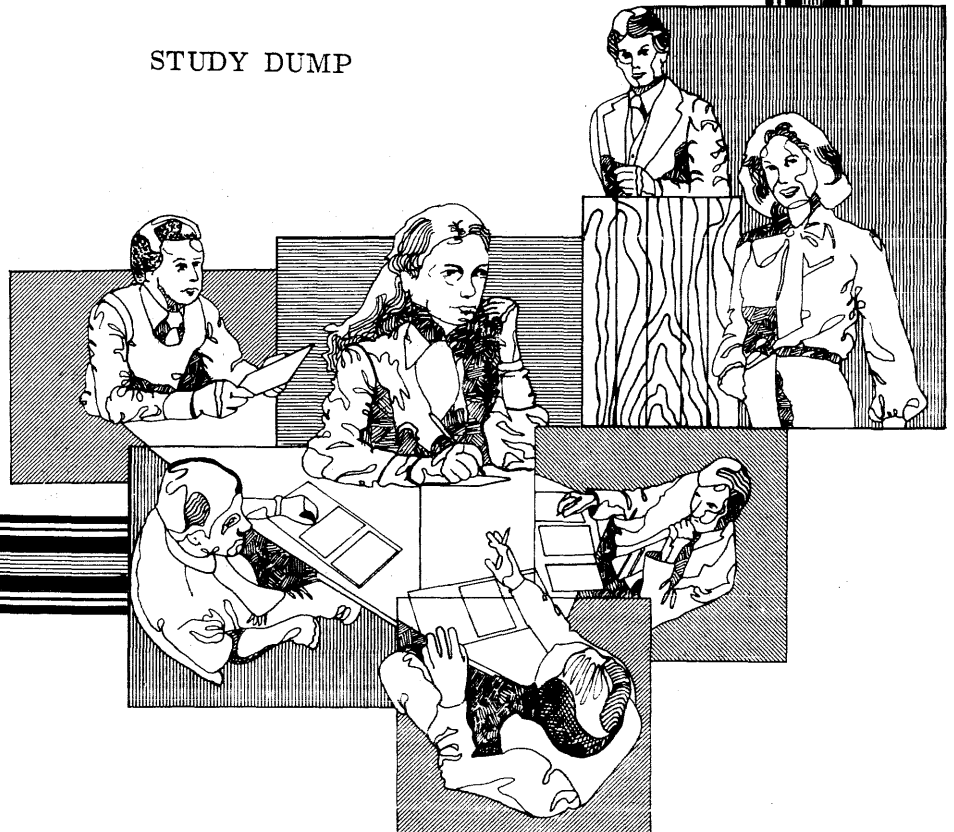
CONTROL DATA  
CORPORATION

# SEMINARS

COURSE NO. FH4010-4

NOS ANALYSIS

STUDY DUMP



COURSE NO. FH4010-4

NOS ANALYSIS

STUDY DUMP

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<b>REVISION RECORD</b>	
<b>REVISION</b>	<b>DESCRIPTION</b>
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Publication No.	
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 NOS ANALYSIS STUDY DUMP

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 back of this manual.

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REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	1
1	IPL	PP (7421)	61	1617	79/07/17.	INITIAL PROGRAM LOADER -CTI-.			
2	CD7	PP (6120)	135	7257	79/07/17.	CD7 (ATS) TAPE DRIVER -CTI-.			
3	CD6	PP (6120)	137	3435	79/07/17.	CD6 (MTS) TAPE DRIVER -CTI-.			
4	CD3	PP (6120)	135	7033	79/07/17.	3000 TYPE TAPE DRIVER -CTI-.			
5	CD4	PP (6120)	143	1733	79/07/17.	844 DISK DRIVER -CTI-.			
6	CDB	PP (6120)	143	6741	79/07/17.	885 DISK DRIVER -CTI-.			
7	IOQ	PP (6000)	76	2561	79/07/17.	INITIAL OPERATOR QUERIES -CTI-.			
8	OIP	PP (0010)	466	2125	79/07/17.	78/06/09. 78/06/09. OPERATOR INTERVENTION PROCESSOR.			
9	AEI	PP (6000)	55	5362	79/07/17.	UTILITIES EXECUTIVE -CTI-.			
10	ICD	PP (0150)	325	0043	79/07/17.	INSTALL CTI ON DISK. CTI.			
11	ICE	PP (0150)	141	5625	79/07/17.	OVERLAY FOR ICD. CTI.			
12	EDD	PP (6000)	57	0245	79/07/17.				
13	EDT	PP (0100)	420	6443	79/07/17.				
14	DEM	PP (1201)	107	4702	79/07/17.				
15	DPC	PP (1060)	44	0464	79/07/17.				
16	SAD	PP (0100)	121	2245	79/07/17.	SELECT ALTERNATE DEADSTART DEVICE. CTI.			
17	DHE	PP (0010)	431	6746	79/07/17.				
18	MAD	PP (0010)	355	1466	79/07/17.				
19	PCM	PP (0010)	556	4144	79/07/17.				
20	CMC	PP (3451)	210	0251	79/07/17.				
21	SCE	PP (3451)	215	5737	79/07/17.				
22	EBL	PP (0200)	411	2537	79/07/17.	EXTERNAL BOOTSTRAP LOADER. CTI.			
23	ZZZ	PP (0000)	2	2142	79/07/17.	LAST PROGRAM -CTI-.			
24	OSB	PP (6320)	55	7234	79/06/20.	79/05/10. OPERATING SYSTEM BOOTSTRAP.			
25	DIO	PP (0000)	456	0516	79/06/20.	79/05/10. DEADSTART I/O PROCESSOR.			
26	(00)	SUM =	6721	LIBRARY =	1				
27	SET	PP (0000)	426	2751	79/06/20.	78/04/10. 79/05/09. INITIALIZE SYSTEM.			
28	CMR	PP (1462)	1054	4061	79/06/20.	78/04/10. 79/05/09. SET - SET SYSTEM CONFIGURATION.			
29	CHRINST	TEXT	733	2775					
30	CMRDECK	TEXT	321	4163					

CMRDECK  
 NAME= (0) CYBER 174 S/N 620 CLSH.  
 VERSION=NOS 1.4-501/498.  
 MID=62.  
 NCP=24.  
 FNT=1756.  
 CM=7777.  
 EQ01=DQ-1,ON,0,42,5,7. SYSTEM, TEMP  
 EQ02=DQ-1,ON,0,43,5,7. SYSTEM,TEMP  
 EQ04=DI-1,ON,0,6,21,20. TEMP  
 EQ05=DI-1,ON,0,16,20,21. TEMP  
 EQ06=DK-2,ON,4,26,20,21. PF/40  
 EQ07=DI-N3,ON,0,24,34,44,22,24.  
 EQ10=DS,ON,7,0,10.  
 EQ11=DJ-1,ON,0,2,23,24. RMVE  
 EQ12=DQ-1,ON,0,40,7,5. PF/42  
 EQ13=DQ-1,ON,0,41,5,7. PF/43  
 EQ14=DJ-N2,ON,0,3,4,21,20. PF/44  
 EQ15=DI-1,ON,0,5,23,24.  
 EQ16=DI-1,ON,0,6,23,24.  
 EQ17=DI-1,ON,0,4,23,24.  
 EQ20=DI-1,ON,0,54,24,22. RMVE  
 EQ21=DI-1,ON,0,64,22,24. RMVE  
 EQ22=DJ-1,ON,0,0,22,23. FMD DRIVE FOR TESTING  
 EQ23=DI-1,ON,0,35,22,23. RMVE

REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	2
			EQ24=DJ-1,ON,0,1,24,22.			RMVE			
			EQ27=DJ-1,ON,0,3,22,23.			RMVE			
			EQ30=DK-1,ON,0,46,20,21.			RMVE, FT.			
			EQ32=DI-1,ON,0,7,23,24.			RMVE			
			EQ33=DJ-1,ON,0,5,20,21.			RMVE			
			EQ34=DJ-1,ON,0,0,7,5.			RMVE			
			EQ35=DJ-1,ON,0,1,5,7.			RMVE			
			EQ36=DI-1,ON,0,14,22,24.						
			EQ37=DI-1,ON,0,15,22,23.						
			EQ40=TT,OFF,7,2,0,30.			TRANEX STIMULATOR			
			EQ41=TT,OFF,0,1,0,0,100.			STIMULATOR			
			EQ42=TT,ON,2,2,100.			2550-100 (6676 EMULATOR)			
			EQ43=ST,OFF,7,4.			6671			
			EQ44=NP,ON,7,1,1,2.			NPU NODE3			
			EQ45=NP,OFF,7,1,6,2.			LOCAL/REMOTE NPU NODE7			
			EQ46=SE,ON,7,4.			STEM 6671 S/N 183.			
			EQ47=CR,ON,4,12.						
			EQ50=MT-7,ON,0,0,13,32,20.		66X				
			EQ60=MT-7,ON,4,0,31,33,10.		67X				
			EQ70=CP,ON,7,12.						
			EQ71=LP,ON,3,12.		512				
			EQ72=LP,ON,2,12.						
			EQ73=LT-6,ON,5,12.			580 UPPER/LOWER CASE			
			EQ74=LS-1P,ON,6,12.			580-20 PFC			
			PF=6,F,140,140,NOSCLSH,40.						
			PF=7,F,010,010,NOSCLSH,41.						
			PF=12,F,003,003,NOSCLSH,42.						
			PF=13,F,200,200,NOSCLSH,43.						
			PF=14,F,024,024,NOSCLSH,44.						
			TEMP=1,2,4,5.						
			REMOVE=11,15,16,17,20,21,22,23,24,27,30,32,33,34,35,36,37.						
			FAMILY=13.						
			SYSTEM=1,2.						
			NAMIAF=102.						
31	CMRDCK1	TEXT	154	1731					
			CMRDCK1						
			NAME=(1) CYBER 175 SN/01 (FILES):						
			VERSION=NDS 1.4-501/498.						
			MID=01.						
			NCP=27.						
			EQ1=DK-1,ON,0,2,20,23.			SYSTEM, TEMP,FULL TRACK			
			EQ2=DK-1,ON,0,3,20,23.			SYSTEM, TEMP,FULL TRACK			
			EQ3=DI-1,ON,0,57,00,02.			FAMILY			
			EQ4=DJ-1,ON,0,2,00,02.			REMOVABLE			
			EQ5=DJ-1,ON,0,3,00,02.			REMOVABLE			
			EQ6=DJ-1,ON,0,4,00,02.			REMOVABLE			
			EQ7=DJ-1,ON,0,1,00,02.			REMOVABLE			
			EQ10=DS,ON,7,0,10.						
			EQ11=DI-1,ON,0,37,00,02.			REMOVABLE			
			EQ12=DI-1,ON,0,47,00,02.			REMOVABLE			
			EQ13=DI-1,ON,0,27,00,02.			REMOVABLE			
			EQ14=DI-1,ON,0,17,00,02.			REMOVABLE			
			EQ15=DM-1,ON,0,42,7.			TEMP			
			EQ16=DM-1,ON,0,43,7.			TEMP			
			EQ20=CR,ON,4,0,11.						

EQ21=CP,ON,5,0,12.  
 EQ22=LR,ON,1,0,12.  
 EQ23=LQ,ON,2,0,12.  
 EQ24=LR,ON,7,0,12.  
 EQ25=LP,ON,6,0,11.  
 EQ30=TT,ON,6,0,27,0,20.  
 EQ31=TT,ON,7,1,27,0,100.  
 EQ32=TT,OFF,7,2,25,0,100.  
 EQ33=ST,OFF,6,0,4.  
 EQ35=NP,ON,7,1,5,,2. NPU NODE3  
 EQ50=MT-10,ON,0,0,13,,,,20.  
 EQ60=MT-7,OFF,0,0,32,,,,10.  
 TEMP=1,2,15,16.  
 FAMILY=3.  
 REMOVE=4,5,6,7,11,12,13,14.

32 CMRDCK2 TEXT 237 3604

CMRDCK2  
 NAME=(2) CYBER73 172. DEV.  
 VERSION=NOS 1.4-501/498.  
 MID=72.  
 NCP=27.  
 LIB=1.  
 EQ1=DJ-1,ON,0,6,26,32. SYSTEM,TEMP  
 EQ2=DJ-1,ON,0,7,26,32. SYSTEM,TEMP  
 EQ3=DJ-1,ON,0,1,26,32. TEMP  
 EQ4=DI-1,ON,0,2,26,32. REMOVABLE  
 EQ5=DI-1,ON,0,3,26,32. REMOVABLE  
 EQ6=DI-1,ON,0,4,26,32. REMOVABLE  
 EQ7=DI-1,ON,0,5,26,32. FAMILY  
 EQ10=DS,ON,7,,10.  
 EQ11=DP,ON,400,30. ASR,ROLLOUT  
 EQ20=CR,ON,4,,12.  
 EQ21=CP,ON,5,,12.  
 EQ22=LP,ON,6,,12. 580  
 EQ23=LT-1,ON,7,,12. 580-20  
 EQ24=LP,ON,3,,12. 512  
 EQ30=TT,ON,7,,4,,20. 6671  
 EQ31=TT,ON,7,,6,,40. 6676  
 EQ32=TT,OFF,6,1,0,,310. TELEX STIMULATOR - 200 TERMINAL  
 EQ33=TT,OFF,6,1,0,,226. TELEX STIMULATOR - 150 TERMINAL  
 EQ34=NQ,OFF,7,1,1,,3. 2550 S/N 121 NODE3  
 EQ35=NP,OFF,7,1,3,,3. 2550 S/N 101 NODE2  
 EQ36=SE,OFF,7,3,4. STEM 6671 S/N 113  
 EQ37=SE,OFF,7,3,5. STEM 6671 S/N 230  
 EQ40=TS,OFF,2,0,25,0,100. 6676 STIMULATOR - 100 TERMINALS  
 EQ41=TS,OFF,7,0,2,0,100. 6676 STIMULATOR - 100 TERMINALS  
 EQ42=NP,OFF,7,1,11,0,2. 2550 STIMULATOR S/N 102/112  
 EQ46=ST,OFF,7,,5. REMOTE BATCH  
 EQ47=TT,OFF,4,2,0. TRANEX STIMULATOR  
 EQ60=MT-6,ON,0,0,33,31,,,20. 66X  
 EQ70=SC,ON,7,2,27. 211  
 EQ71=SC,ON,7,1,27. 211  
 EQ72=SC,ON,6,2,27,,4. 211  
 EQ73=SC,ON,6,1,27,,4. 211  
 EQ76=TE,ON,,0.



REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	4
						TEMP=1,2,3. REMOVE=4,5,6. FAMILY=7. ASR=11. UEC=200. SYSTEM=1,2.			
33	CMRDCK3	TEXT	343	5772		CMRDCK3 NAME= (3) CYBER 174 S/N 620 CLSH MMF. VERSION=NOS 1.4-501/498. MID=62. NCP=24. LIB=1. FNT=1756. CM=7777. EQ1=DQ-1,ON,0,42,5,7. EQ2=DQ-1,ON,0,43,5,7. EQ4=DI-1,ON,0,6,21,20. TEMP EQ5=DI-1,ON,0,16,20,21. TEMP EQ6=DI-2,ON,4,26,20,21. PF/40 EQ7=DI-N3,ON,0,24,34,44,22,24. PF/41 EQ10=DS,ON,7,0,10. EQ11=DP,ON,400,30. LINK,ASR EQ12=DM-1,ON,0,40,7,5. PF/42 EQ13=DM-1,ON,0,41,5,7. PF/43 EQ14=DJ-N2,ON,0,3,4,21,20. PF/44 EQ15=DI-1,ON,0,5,23,24. REMOVE EQ16=DI-1,ON,0,6,24,23. REMOVE EQ17=DI-1,ON,0,4,23,24. REMOVE EQ20=DI-1,ON,0,54,24,22. REMOVE EQ21=DI-1,ON,0,64,22,24. REMOVE EQ22=DJ-1,ON,0,0,22,23. FMD DRIVE FOR TESTING EQ23=DI-1,ON,0,35,22,23. REMOVE EQ24=DJ-1,ON,0,1,24,22. REMOVE EQ27=DJ-1,ON,0,3,22,23. REMOVE EQ30=DI-1,ON,0,46,20,21. REMOVE EQ32=DI-1,ON,0,7,23,24. REMOVE EQ33=DJ-1,ON,0,5,20,21. REMOVE EQ34=DJ-1,ON,0,0,7,5. RMVE EQ35=DJ-1,ON,0,1,5,7. RMVE EQ36=DI-1,ON,0,14,22,24. RMVE EQ37=DI-1,ON,0,15,22,23. RMVE EQ40=TT,OFF,7,2,0,30. TRANEX STIMULATOR EQ41=TT,OFF,0,1,0,0,100. STIMULATOR. EQ42=TT,ON,2,2,100. 2550-100 (6676 EMULATOR) EQ43=ST,OFF,7,4. 6671 EQ44=NP,ON,7,1,1,2. NPU NODE3 EQ45=NP,OFF,7,1,6,2. LOCAL/REMOTE NPU NODE7 EQ46=SE,ON,7,4. STEM 6671 S/N 183. EQ47=CR,ON,4,12. EQ50=MT-7,ON,0,0,13,32,20. 66X EQ60=MT-7,ON,4,0,31,33,10. 67X EQ70=CP,ON,7,12. EQ71=LP,ON,3,12. 512 EQ72=LP,ON,2,12. 512			

EQ73-LT-6,0N,5,,12. 580 U/L CASE  
 EQ74-LS-1P,0N,6,,12. 580-20 PFC  
 PF=6,F,140,140,NOSCLSH,40.  
 PF=7,F,010,010,NOSCLSH,41.  
 PF=12,F,003,003,NOSCLSH,42.  
 PF=13,F,200,200,NOSCLSH,43.  
 PF=14,F,024,024,NOSCLSH,44.  
 TEMP=1,2,4,5.  
 REMOVE=15,16,17,20,21,22,23,24,27,30,32,33,34,35,36,37.  
 FAMILY=13.  
 LINK=11.  
 SHARE=12,6,7,11,13,14,15,16,17,22,4,5,24.  
 SHARE=20,21,23,27,30,32,33,34,35,36,37.  
 UEC=30,72.  
 UEC=30,62.  
 ASR=11.  
 PF=11,F,377,377,LINK,62.  
 NAMIAF=102.  
 SYSTEM=1,2.

34 CMRDCK4

TEXT 311 0664  
 CMRDCK4  
 NAME=(4) CYBER73 172. CLSH MMF.  
 VERSION=NOS 1.4-501/498.  
 MID=72.  
 LIB=0.  
 NCP=24.  
 FNT=1756.  
 EQ1=DJ-1,0N,0,7,26. SYSTEM,TEMP  
 EQ2=DJ-1,0N,0,1,26. SYSTEM,TEMP  
 EQ4=DI-1,0N,0,6,21,20. TEMP  
 EQ5=DI-1,0N,0,16,20,21. TEMP  
 EQ6=DI-2,0N,4,26,20,21. PF/40  
 EQ7=DI-N3,0N,0,24,34,44,22. PF/41  
 EQ10=DS,0N,7,0,10.  
 EQ11=DP,0N,400,30. LINK,ASR  
 EQ12=DM-1,0N,0,40,13,24. PF/42  
 EQ13=DM-1,0N,0,41,24,13. PF/43  
 EQ14=DJ-N2,0N,0,3,4,21,20. PF/44  
 EQ15=DI-1,0N,0,5,23. REMOVE  
 EQ16=DI-1,0N,0,6,23. REMOVE  
 EQ17=DI-1,0N,0,4,23. REMOVE  
 EQ20=DI-1,0N,0,54,22. REMOVE  
 EQ21=DI-1,0N,0,64,22. REMOVE  
 EQ22=DJ-1,0N,0,0,22,23. REMOVE  
 EQ23=DI-1,0N,0,35,22,23. REMOVE  
 EQ24=DJ-1,0N,0,1,22. REMOVE  
 EQ27=DJ-1,0N,0,3,22,23. REMOVABLE  
 EQ30=DI-1,0N,0,46,20,21. REMOVE  
 EQ32=DI-1,0N,0,7,23. REMOVE  
 EQ33=DJ-1,0N,0,5,20,21. REMOVE  
 EQ34=DJ-1,0N,0,0,13,24. RMVE  
 EQ35=DJ-1,0N,0,1,13,24. RMVE  
 EQ36=DI-1,0N,0,14,22. RMVE  
 EQ37=DI-1,0N,0,15,22,23. RMVE  
 EQ40=TT,OFF,7,2,0,,30. TRANEX STIMULATOR

EQ41=TT,ON,0,1,0,0,100. TIME-SHARING STIMULATOR  
 EQ42=TT,ON,7,6,77. 6676  
 EQ43=ST,OFF,7,4. 6671  
 EQ44=NP,ON,7,3,2. 2550 S/N 124 NODE2  
 EQ45=SE,OFF,7,5,3. STEM 6671 S/N 113  
 EQ47=CR,ON,4,12.  
 EQ60=MT-6,ON,0,0,31,33,20. 66X  
 EQ70=CP,ON,5,12.  
 EQ72=LP,OFF,3,12. 512  
 EQ73=LP,ON,7,12. 512  
 EQ74=LP,ON,6,12. 512  
 TEMP=1,2,4,5.  
 FAMILY=13.  
 LINK=11.  
 SHARE=12,6,7,11,14,15,16,17,13,4,5.  
 SHARE=20,21,23,27,30,32,33,34,35,36,37,22,24.  
 REMOVE=15,16,17.  
 REMOVE=20,21,23,27,30,32,33,34,35,36,37,22,24.  
 ASR=11.  
 LBC,NH,20,21.  
 LBC,FT,20,21.  
 UEC=30,72.  
 UEC=30,62.  
 PF=11,F,377,377,LINK,72.  
 SYSTEM=1,2.

35 CMRDCK5 TEXT 13 3135  
 CMRDCK5  
 NAME=(5) UNIVERSAL CMRDECK.  
 VERSION=NOS 1.4-501/498.  
 EQ10=DS,ON,7,0,10. DSD CONSOLE

36 ICM PP (2532) 645 3550 79/06/20. 78/04/10. 79/05/09. SET - INITIALIZE CENTRAL MEMORY.  
 37 IPR PP (1462) 252 4263 79/06/20. 78/04/10. 79/05/09. SET - INSTALLATION PARAMETERS.  
 38 IPRINST TEXT 624 1470  
 39 IPRDECK TEXT 157 3334  
 IPRDECK  
 TDEN=HY.  
 CSM=64.  
 LOCK.  
 EI200.  
 VALID.  
 IAF.  
 QUEUE,SY,IN,OP7757,LP700,UP3000.  
 QUEUE,SY,RO,OP6000,LP100,UP1000.  
 QUEUE,SY,OT,OP400,LP100,UP7700.  
 SERVICE,SY,PR1,CP100,CM20.  
 QUEUE,BC,IN,OP2400,LP2000,UP4010.  
 QUEUE,BC,RO,OP2400,LP1010,UP4004.  
 QUEUE,BC,OT,OP200,LP100,UP7000.  
 SERVICE,BC,PR30,CP400,CM200.  
 QUEUE,EI,IN,OP3400,LP2400,UP4010.  
 QUEUE,EI,RO,OP3400,LP1400,UP4006.  
 QUEUE,EI,OT,OP200,LP100,UP7600.  
 SERVICE,EI,PR30,CP400,CM200.  
 QUEUE,IX,IN,OP4000,LP3770,UP7006.

REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	7
						QUEUE, TX, RD, OP4004, LP3740, UP7000. QUEUE, TX, OT, OP200, LP100, UP7000. SERVICE, TX, PR30, CP40, CM10. QUEUE, MT, IN, OP6774, LP6700, UP7400. QUEUE, MT, RD, OP6774, LP4000, UP7400. QUEUE, MT, OT, OP6000, LP100, UP7700. SERVICE, MT, PR31, CP400, CM60. QUEUE, NS, IN, OP7374, LP7360, UP7500. QUEUE, NS, RD, OP7374, LP7350, UP7500. QUEUE, NS, OT, OP500, LP100, UP7700. SERVICE, NS, PR73, CP400, CM200. DELAY, JS1, CS10, AR1000. DSD, 0, MAIXX, QRECINK DSD, 3, AUTO. SCP. MS VALIDATION. PF VALIDATION. SRST=40.			
40	PPR	PP (0000)	143	2576	79/06/20.	79/05/10.	79/06/20.		PP RESIDENT.
41	STL	PP (1100)	244	1533	79/06/20.	79/05/10.			SYSTEM TAPE LOADER.
42	MTR	PP (0000)	1434	1263	79/07/26.	79/05/10.	79/07/26.		PPU MONITOR.
43	CPUMLD	REL	763	1622	79/06/20.	79/05/10.			75/02/17. CPUMTR LOADER.
44	CPUMTR	REL	12105	0251	79/07/26.	79/05/10.	79/07/26.		CPU MONITOR.
45	DSD	PP (0000)	1462	3335	79/06/20.	79/05/10.			SYSTEM DISPLAY.
46	RSL	PP (1504)	57	7672	79/06/20.	79/05/10.			STL - LOAD RESIDENT SYSTEM LIBRARY.
47	RMS	PP (1210)	473	1051	79/07/10.	79/05/10.	79/07/10.		MSM - MASS STORAGE RECOVERY MANAGER.
48	REC	PP (1100)	713	0660	79/06/20.	78/01/18.			SYSTEM RECOVERY PROCESSOR.
49	IDD	PP (1511)	54	5327	79/06/20.	79/05/10.	79/06/20.		PPR - DUMP DAYFILE BUFFER.
50	1MA	PP (1100)	147	5503	79/06/20.	78/04/10.	79/05/09.		MONITOR AUXILLARY PROCESSOR.
51	2MB	PP (2124)	74	2347	79/06/20.	78/04/10.	79/05/09.		2MB - ECS STORAGE REQUEST PROCESSING.
52	2MA	PP (2124)	174	5031	79/06/20.	78/04/10.	79/05/09.		2MA - SYSTEM CP FACILITY PROCESSOR.
53	1MB	PP (1100)	37	4332	79/06/20.	79/05/10.			1MB - INITIAL SCR PROCESSOR.
54	1MC	PP (1100)	6	4167	79/06/20.	79/05/10.			MONITOR PARITY ERROR REPORTING.
55	2MC	PP (1100)	67	3366	79/06/20.				
56	2MD	PP (1211)	301	1116	79/06/20.	79/05/10.			1MB - SECONDARY SCR PROCESSOR.
57	CIO	PP (1100)	340	3122	79/07/05.	78/04/10.	79/07/05.		COMBINED INPUT/OUTPUT.
58	OBP	PP (0000)	76	7431	79/06/20.	78/04/10.	79/05/09.		BEGIN FILE.
59	OBP	PP (0000)	515	3215	79/06/20.	78/04/10.	79/05/09.		76/10/06. OBP - LOAD BANNER PAGE.
60	ODF	PP (0000)	113	1576	79/06/20.	79/05/10.			DROP FILE.
61	OFA	PP (0000)	24	1600	79/06/20.	76/01/11.	79/05/09.		RELEASE FAST ATTACH PERMANENT FILE.
62	ORF	PP (0000)	75	4103	79/06/20.	78/04/10.	79/05/09.		UPDATE RESOURCE FILES.
63	ORP	PP (0000)	72	2530	79/06/20.	79/05/10.			RELEASE PERMANENT FILE.
64	2CA	PP (3234)	62	7623	79/07/05.	78/04/10.	79/07/05.		CIO - IDENTIFY SPECIAL REQUEST.
65	2CB	PP (1605)	121	3172	79/07/05.	78/04/10.	79/07/05.		CIO - READ MASS STORAGE.
66	2CC	PP (2427)	175	6234	79/07/05.	78/04/10.	79/07/05.		CIO - SPECIAL MASS STORAGE READS.
67	2CD	PP (1605)	375	4500	79/07/05.	78/04/10.	79/07/05.		CIO - WRITE MASS STORAGE.
68	2CE	PP (4367)	34	3360	79/07/05.	78/04/10.	79/07/05.		CIO - SPECIAL MASS STORAGE WRITES.
69	2CF	PP (3234)	242	0446	79/07/05.	78/04/10.	79/07/05.		CIO - POSITION MASS STORAGE.
70	2CG	PP (4367)	336	5170	79/07/05.	78/04/10.	79/07/05.		CIO - CLOSE MASS STORAGE.
71	2CH	PP (1605)	20	3007	79/07/05.	78/04/10.	79/07/05.		CIO - TERMINAL INPUT/OUTPUT.
72	2CI	PP (1605)	54	2201	79/07/05.	78/04/10.	79/07/05.		CIO - MAGNETIC TAPE OPERATIONS.
73	2CJ	PP (3234)	53	7262	79/07/05.	78/04/10.	79/07/05.		CIO - MULTI-FILE LABEL PROCESSOR.
74	2CK	PP (4602)	132	4736	79/07/05.	78/04/10.	79/07/05.		CIO - ERROR PROCESSOR.

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75	ZCL	PP (4632)	133	3156	79/07/05.	78/04/10. 79/07/05.	CIO - ISSUE DAYFILE MESSAGE.		
76	4DA	PP (3005)	536	0513	79/07/10.	79/05/10. 79/07/10.	MSM - RECOVER PRESERVED FILES.		
77	4DD	PP (4433)	226	1772	79/06/20.	78/01/18.	REC - RECOVER DAYFILES.		
78	4DE	PP (4433)	263	1036	79/06/20.	78/01/18.	REC - ALLOCATE/RECOVER USER ECS.		
79	4DB	PP (3470)	473	5722	79/07/10.	79/05/10. 79/07/10.	MSM - DEVICE RECOVERY ROUTINES.		
80	4DC	PP (5107)	67	5726	79/07/10.	79/05/10. 79/07/10.	MSM - VALIDATE PF SYSTEM.		
81	4DF	PP (5107)	101	1606	79/07/10.	79/05/10. 79/07/10.	MSM - UPDATE MMF TABLES IN ECS.		
82	4DG	PP (5107)	232	4375	79/07/10.	79/05/10. 79/07/10.	MSM - DEVICE RECOVERY ROUTINES.		
83	4DH	PP (5107)	70	0221	79/07/10.	79/05/10. 79/07/10.	MSM - DEVICE INITIALIZATION ROUTINES.		
84	6DE	PP (0556)	41	1300	79/06/20.	79/05/10.	6DE - ECS DRIVER.		
85	7DE	PP (7661)	21	0231	79/06/20.	79/05/10.	ECS ERROR PROCESSOR.		
86	6DI	PP (0556)	52	3673	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 MAIN DRIVER.		
87	7DI	PP (7500)	50	0767	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 ERROR PROCESSOR.		
88	7MI	PP (7737)	10	1624	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 WRITE ERROR PROC		
89	7SI	PP (7567)	35	2661	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 STATUS PROCESSOR		
90	OTI	PP (0000)	64	1667	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 TRACK FLAW PROCE		
91	OP1	PP (0000)	47	0370	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 PACK SERIAL PROC		
92	OCI	PP (0000)	43	2313	79/06/20.	79/05/10. 79/06/14.	6DI - 7155-7X54/885-844 FIRMWARE IDENT P		
93	7EP	PP (7574)	34	2240	79/06/20.	79/05/10. 79/06/20.	7EP - DISK ERROR PROCESSING.		
94	6MD	PP (0556)	52	3742	79/06/20.	79/05/10.	3553-1/841-N DRIVER.		
95	7MD	PP (7546)	40	7462	79/06/20.	79/05/10.	3553-1/841-N ERROR PROCESSOR.		
96	6DP	PP (0556)	52	4241	79/06/20.	79/05/10. 79/06/14.	DDP/ECS DRIVER.		
97	7DP	PP (7512)	46	7702	79/06/20.	79/05/10. 79/06/14.	DDP/ECS ERROR PROCESSOR.		
98	7MP	PP (7562)	36	3004	79/06/20.	79/05/10. 79/06/14.	DDP/ECS ERROR MESSAGE PROCESSOR.		
99	7RP	PP (7620)	30	2256	79/06/20.	79/05/10. 79/06/14.	DDP/ECS REMAINING BLOCK ERROR PROCESSOR.		
100	7SP	PP (7567)	35	3644	79/06/20.	79/05/10. 79/06/14.	DDP/ECS SINGLE WORD RETRY PROCESSOR.		
101	9AY	PP (6227)	37	4322	79/06/20.	79/05/10.	DSD - N. SYNTAX TABLE - CHARACTERS A-C,		
102	9AZ	PP (6227)	31	0506	79/06/20.	79/05/10.	DSD - N. SYNTAX TABLE - CHARACTERS O-*		
103	9AO	PP (6227)	17	7016	79/06/20.	79/05/10.	DSD - SYSTEM SYNTAX TABLE - *EN* COMMAND		
104	9A1	PP (6227)	50	4233	79/06/20.	79/05/10.	DSD - SYSTEM SYNTAX TABLE - CHARACTERS B		
105	9A2	PP (6227)	45	7753	79/06/20.	79/05/10.	DSD - SYSTEM SYNTAX TABLE - CHARACTERS F		
106	9A3	PP (6227)	45	2616	79/06/20.	79/05/10.	DSD - SYSTEM SYNTAX TABLE - CHARACTERS P		
107	9A4	PP (6227)	20	0077	79/06/20.	79/05/10.	DSD - SYSTEM SYNTAX TABLE - CHARACTERS T		
108	9A5	PP (6227)	37	1273	79/06/20.	79/05/10.	DSD - CENTRAL MEMORY CHANGES.		
109	9A6	PP (6227)	51	4153	79/06/20.	79/05/10.	DSD - ECS MEMORY CHANGES.		
110	9A7	PP (6227)	40	4370	79/06/20.	79/05/10.	DSD - CHANNEL COMMANDS.		
111	CVL	PP (1100)	524	1327	79/07/12.	78/04/10. 79/07/12.	COMMON VALIDATION INTERFACE FOR NOS.		
112	SLL	PP (1100)	1043	6024	79/06/20.	79/05/10.	SYSTEM LIBRARY LOADER.		
113	BCL	PP (1421)	167	0207	79/06/20.	79/05/10.	STL - BUFFER CONTROLLER LOADER.		
114	BCS	PPU (00)	3147	4577	79/06/09.	844 FIRMWARE MA710-A13 (52706607) (79/03/9)			
115	BCF	PPU (00)	3147	5672	79/06/09.	844 FIRMWARE MA401-A05 (24616082) (79/03/9)			
116	FMD	PPU (00)	5515	6640	79/06/09.	885 FIRMWARE MA721-A01 (11897303) (79/02/27)			
117	LSL	PP (1414)	71	5102	79/06/20.	79/05/10.	STL - COPY SYSTEM TAPE.		
118	SYSEDIT	ABS	4311	6736	79/06/20.	76/10/24. 79/05/09.	SYSTEM LIBRARY FILE MANAGER.		
	SYSEDIT	4155							
	RFL=	57160							
	SSJ=	236							
119	LIBDECK	TEXT	237	0434					
	LIBDECK								
	*CM				PP/CIO,2CA,2CB,2CC,2CD,2CE,2CF,2CG,2CH,2CI				
	*CM				PP/1AJ,TCS,3AE,3AF,LDR				
	*CM				PP/LDD,LDQ				
	*CM				PP/1CK,1MA,0BF,0DF,0AV,0RP,0FA,0RF				
	*CM				PP/LFM,3LB,3LF,3LG				
	*CM				PP/RPV				
	*CM				PP/1RI,3RH,1RO,3RP,3RQ				

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		*CM				PP/PFM,3PA,3PB,3PD,3PG,3PI,3PK			
		*CM				PP/1TA,3TK,3TJ,1TO,2TO			
		*CM				PP/1MT,3MG,3MH,3ML,3MT			
		*CM				PP/1LS,1DC			
		*CM				PP/1IO,1SJ,1SP,QAC,3QS			
		*CM				PP/1DL,9A1,9A5,9A6,9A7 (DSD RELATED)			
		*CM				OVL/LDC			
		*PROC				LIBMOD,GENVAL,GENHELP,MOVEPF			
		*FL				ABS/FTN-6410,ABS/BASIC-6250,ABS/CDCS2-6565,ABS/DDLF-6540			
		*FL				ABS/NVF-42,ABS/DDL3-6540,ABS/PLI-6600,ABS/DML-6540			
		*FL				ABS/FILE-6030,ABS/ALGOL-6500,ABS/ALGEDIT-6400,ABS/COBOL-6630			
		*FL				ABS/COPYCL-6370,ABS/COBOL5-6600,ABS/SIFT-6410,ABS/DDL-6540			
		*FL				ABS/ESTMATE-6370,ABS/SISTAT-6210,ABS/IXGEN-6650,ABS/DFRCV-6650			
		*FL				ABS/COPY8P-6200,ABS/SORTMRG-6600,ABS/QU-6600,ABS/REPORT-6420			
		*FL				ABS/ALGOL5-6450,F45-6600,FTN5-6520,CDCSBTF-6515			
		*FL				ABS/PHDMP-6410			
		*SC				ABS/REPORT,QUIMP,DDLF,DML,F45			
		*SC				ABS/COMPASS,FILE,SYMPL,COBOL5,FTN5			
		*SC				ABS/UPDATE,COPYL,ITEMIZE,DFRCV,DFRST			
		*SC				ABS/ALGOL,COBOL,FTN,SIMULA,SORTMRG			
		*SC				ABS/NDA,NOLP,LFG,REPORTR,SCRIPT,STIM,DLFP			
		*SC				ABS/COPY8P,QU,DDL,BASIC			
		*SC				ABS/ESTMATE,SISTAT,IXGEN,ALGOL5			
		*SC				OVL/RUN			
		*SC				ABS/DDL3			
		*SC				ABS/CDCS2,DBMSTRD,DBRCVR,DBQFA,DBQRFI,CDCSBTF			
120	LIBDCK1	TEXT	315	5547					
		LIBDCK1							
		*CM				PP/1DC			
		*CM				PP/CIO,1AJ,ODF			
		*CM				PP/9A1,9A5,9A6,9A7 (DSD RELATED)			
		*CM				PP/3MB (TAPE ERROR RECOVERY)			
		*AD				11,PP/1DL			
		*AD				11,PP/ORF,OFA,ORP,ORF,OAV,0AU			
		*AD				11,PP/QAC,3QS			
		*AD				11,PP/1CJ,1CK,TCS,LDR,1MA,2MA,3AA,3AB,3AD,3AE,3AF,3AG			
		*AD				11,PP/LDD,LDD			
		*AD				11,PP/2CA,2CB,2CC,2CD,2CE,2CF,2CG,2CH,2CI			
		*AD				11,PP/1RI,3RG,3RH,3RI,1RD,3RP,3RQ			
		*AD				11,PP/LFM,3LB,3LF,3LG			
		*AD				11,PP/PFM,3PA,3PB,3PD,3PE,3PG,3PH,3PI,3PK			
		*AD				11,PP/RPV,CPM,3CA,3CB,3CC			
		*AD				11,PP/1TA,3TC,3TD,3TE,3TK,3TF,3TJ,TLX,1TO,2TO			
		*AD				11,PP/1MT,3MG,3MH,3MI,3ML,3MN,3MT			
		*AD				11,PP/1IO,1SJ,1SP			
		*AD				11,PP/1LS			
		*AD				11,ABS/FILES,PF FILES,CATLIST,CTL2,CTL3,EDIT,RESEX			
		*AD				11,ABS/ACCFAM,MODIFY,LOADER,CHARGE,COPYB,RWF			
		*AD				11,OVL/LDC			
		*AD				11,ABS/COMPASS			
		*AD				11,OVL/COMP3\$,COMP3\$A,MSORT			
		*PROC				LIBMOD,GENVAL,GENHELP,MOVEPF			
		*FL				ABS/FTN-6410,ABS/BASIC-6250,ABS/CDCS2-6565,ABS/DDLF-6540			
		*FL				ABS/NVF-42,ABS/DDL3-6540,ABS/PLI-6600,ABS/DML-6540			
		*FL				ABS/FILE-6030,ABS/ALGOL-6500,ABS/ALGEDIT-6400,ABS/COBOL-6630			

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	*FL	ABS/COPYCL-6370,ABS/COBOL5-6600,ABS/SIFT-6410,ABS/DDL-6540						
	*FL	ABS/ESTHATE-6370,ABS/SISTAT-6210,ABS/IXGEN-6650,ABS/DFRCV-6650						
	*FL	ABS/COPY8P-6200,ABS/SORTMRG-6600,ABS/QU-6600,ABS/REPORT-6420						
	*FL	ABS/ALGOL5-6450,F45-6600,FTN5-6520,CDCSBTF-6515						
	*FL	ABS/PHDMP-6410						
	*SC	ABS/REPORT,QUHIP,F45						
	*SC	ABS/DDLF,DML						
	*SC	ABS/COMPASS,FILE,SYMPL,CUBOL5,FTN5						
	*SC	ABS/UPDATE,COPYL,ITEMIZE,DFRCV,DFRST						
	*SC	ABS/ALGOL,COBOL,FTN,SIMULA,SORTMRG						
	*SC	ABS/COPY8P,QU,DDL,BASIC						
	*SC	ABS/NDA,NDLP,LFG,REPORTR,SCRIPT,STIH,DLFP						
	*SC	ABS/ESTHATE,SISTAT,IXGEN,ALGOL5						
	*SC	OVL/RUN						
	*SC	ABS/DDL3						
	*SC	ABS/CDCS2,DBMSTRD,DBRCVR,DBQRFA,DBQRFI,CDCSBTF						
121	(00)	SUM =	63446	LIBRARY =	2			
122	1AJ	PP (1100)	140	1030	79/06/20.	78/04/10.	79/05/09.	ADVANCE JOB STATUS.
123	LDR	PP (1100)	65	0362	79/06/20.	78/04/10.	79/05/09.	1AJ - LOAD CENTRAL PROGRAM.
124	TCS	PP (1100)	1043	5576	79/06/20.	78/04/10.	79/05/09.	1AJ - TRANSLATE CONTROL STATEMENT.
125	3AA	PP (1654)	403	0270	79/06/20.	78/04/10.	79/05/09.	1AJ - BEGIN JOB.
126	3AB	PP (1654)	626	3446	79/06/20.	78/04/10.	79/05/09.	1AJ - PROCESS ERROR FLAG.
127	3AC	PP (4642)	24	4702	79/06/20.	78/04/10.	79/05/09.	1AJ - SEARCH PERIPHERAL LIBRARY.
128	3AD	PP (1506)	77	2571	79/06/20.	78/04/10.	79/05/09.	1AJ - SEARCH FOR OVERLAY.
129	3AE	PP (4642)	303	3017	79/06/20.	78/04/10.	79/05/09.	1AJ - LOAD COPY ROUTINES.
130	3AF	PP (5063)	165	0121	79/06/20.	78/04/10.	79/05/09.	1AJ - SPECIAL ENTRY POINT PROCESSING.
131	3AG	PP (1654)	236	0055	79/06/20.	78/04/10.	79/05/09.	1AJ - SEND RESPONSE TO SUBSYSTEM.
132	3AH	PP (5063)	12	1572	79/06/20.	78/04/10.	79/05/09.	1AJ - RETURN SPECIAL USER FILES.
133	1CJ	PP (1100)	637	2103	79/06/20.	78/04/10.	79/05/09.	COMPLETE JOB.
134	1RI	PP (1100)	355	0646	79/06/20.	78/04/10.	79/05/09.	ROLLIN JOB.
135	3RG	PP (5443)	105	5541	79/06/20.	78/04/10.	79/05/09.	1RI - PROCESS SPECIAL ENTRY POINT JOBS.
136	3RF	PP (5443)	107	6540	79/06/20.	78/04/10.	79/05/09.	1RI - PROCESS TERMINATION ERRORS.
137	3RH	PP (5443)	244	3553	79/06/20.	78/04/10.	79/05/09.	1RI - PROCESS TXOT JOBS.
138	3RI	PP (5443)	14	7307	79/06/20.	78/04/10.	79/05/09.	1RI - NOTIFY SUBSYSTEM OF ROLLIN.
139	1RO	PP (1100)	470	7125	79/06/20.	78/04/10.	79/06/14.	ROLLOUT JOB.
140	3RP	PP (4411)	403	2354	79/06/20.	78/04/10.	79/06/14.	1RO - PROCESS TXOT JOBS.
141	3RQ	PP (4411)	43	0630	79/06/20.	78/04/10.	79/06/14.	1RO - PROCESS MTOT JOBS.
142	1RP	PP (1100)	33	5653	79/06/20.	79/05/10.	79/06/20.	PPR - RELOAD PP RESIDENT.
143	7SE	PP (7662)	21	6043	79/06/20.	79/05/10.	79/06/20.	PPR - PROCESS SYSTEM DEVICE ERROR.
144	1SI	PP (1100)	161	3100	79/06/20.	79/05/10.		1SI - SUBSYSTEM INITIALIZER.
145	1SJ	PP (1100)	351	4146	79/06/20.	78/04/10.	79/05/09.	JOB SCHEDULER.
146	3SA	PP (3715)	75	2415	79/06/20.	78/04/10.	79/05/09.	1SJ - INITIATE SUB-SYSTEMS.
147	1SP	PP (1100)	334	1734	79/06/20.	78/04/10.	79/05/09.	EVALUATE PRIORITIES.
148	(00)	SUM =	10111	LIBRARY =	3			
149	1DL	PP (1100)	100	4034	79/06/20.	76/10/24.	79/05/09.	DISPLAY OVERLAY LOADER.
150	1DS	PP (1100)	1244	4512	79/06/20.	79/05/10.		DSD REQUEST PROCESSOR.
151	9AA	PP (0000)	43	0567	79/06/20.	79/05/10.		DSD - DISPLAY A - DAYFILE MESSAGES.
152	9AB	PP (0000)	57	1036	79/06/20.	79/05/10.		DSD - DISPLAY B - SYSTEM STATUS.
153	9AC	PP (0000)	20	0725	79/06/20.	79/05/10.		DSD - DISPLAYS F, G - CENTRAL MEMORY.
154	9AD	PP (0000)	100	0442	79/06/20.	79/05/10.		DSD - DISPLAY E - EQUIPMENT STATUS TABLE
155	9AE	PP (0000)	60	3371	79/06/20.	79/05/10.		DSD - DISPLAY E - MASS STORAGE CONFIGURA
156	9AF	PP (0000)	70	6606	79/06/20.	79/05/10.		DSD - DISPLAY E - MASS STORAGE STATUS.
157	9AG	PP (0000)	100	3741	79/06/20.	79/05/10.		DSD - DISPLAY E - RESOURCE MOUNTING PREV

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158	9AH	PP (0000)	77	3667	79/06/20.	79/05/10.	DSD - DISPLAY E - MAGNETIC TAPES.		
159	9AI	PP (0000)	76	2434	79/06/20.	79/05/10.	DSD - DISPLAY H - FILE NAME TABLE.		
160	9AJ	PP (0000)	63	2723	79/06/20.	79/05/10.	DSD - DISPLAY I - BATCHIO STATUS.		
161	9AK	PP (0000)	62	2701	79/06/20.	79/05/10.	DSD - DISPLAY J - CONTROL POINT STATUS.		
162	9AL	PP (0000)	46	7357	79/06/20.	79/05/10.	DSD - DISPLAY K - CENTRAL PROGRAM BUFFER		
163	9AM	PP (0000)	47	4545	79/06/20.	79/05/10.	DSD - DISPLAY M - ECS MEMORY DISPLAY.		
164	9AN	PP (0000)	31	3356	79/06/20.	79/05/10.	DSD - DISPLAY N - FILE DISPLAY.		
165	9AO	PP (0000)	63	3071	79/06/20.	79/05/10.	DSD - DISPLAY O - TRANSACTION TERMINAL S		
166	9AP	PP (0000)	46	4350	79/06/20.	79/05/10.	DSD - DISPLAY O - SUB CONTROL POINT STAT		
167	9AQ	PP (0000)	75	4252	79/06/20.	79/05/10.	DSD - DISPLAY O - TASK LIBRARY DIRECTORY		
168	9AR	PP (0000)	64	0405	79/06/20.	79/05/10.	DSD - DISPLAY P - PP REGISTERS.		
169	9AS	PP (0000)	44	4303	79/06/20.	79/05/10.	DSD - DISPLAY Q - INPUT/OUTPUT/ROLLOUT O		
170	9AT	PP (0000)	75	2506	79/06/20.	79/05/10.	DSD - DISPLAY R - REMOTE BATCH STATUS.		
171	9AU	PP (0000)	73	6641	79/06/20.	79/05/10.	DSD - DISPLAY S - SYSTEM CONTROL INFORMA		
172	9AV	PP (0000)	76	0040	79/06/20.	79/05/10.	DSD - DISPLAY T - TIME SHARING STATUS.		
173	9AW	PP (0000)	47	4232	79/06/20.	79/05/10.	DSD - DISPLAY Y - MONITOR FUNCTIONS.		
174	9AX	PP (0000)	73	5352	79/06/20.	79/05/10.	DSD - DISPLAY Z - DIRECTORY.		
175	9AB	PP (6227)	41	3175	79/06/20.	79/05/10.	DSD - SEND DAYFILE MESSAGES.		
176	9A9	PP (6227)	24	6170	79/06/20.	79/05/10.	DSD - CONTROL POINT REQUESTS.		
177	9BA	PP (6227)	36	5423	79/06/20.	79/05/10.	DSD - CONTINUATION OF CONTROL POINT REQU		
178	9BB	PP (6227)	45	6556	79/06/20.	79/05/10.	DSD - SUBSYSTEM REQUESTS.		
179	9BC	PP (6227)	33	5330	79/06/20.	79/05/10.	DSD - TELEX MESSAGE REQUESTS.		
180	9BD	PP (6227)	42	3045	79/06/20.	79/05/10.	DSD - BATCHIO REQUESTS.		
181	9BE	PP (6227)	50	4761	79/06/20.	79/05/10.	DSD - SYSTEM REQUESTS.		
182	9BF	PP (6227)	33	7547	79/06/20.	79/05/10.	DSD - SYSTEM REQUESTS.		
183	9BG	PP (6227)	14	3746	79/06/20.	79/05/10.	DSD - JOB CALL REQUESTS.		
184	9BH	PP (6227)	23	5264	79/06/20.	79/05/10.	DSD - SYSTEM CONTROL REQUESTS.		
185	9BI	PP (6227)	35	3634	79/06/20.	79/05/10.	DSD - ENABLE SYNTAX TABLE - CHARACTERS A		
186	9BJ	PP (6227)	32	5525	79/06/20.	79/05/10.	DSD - ENABLE SYNTAX TABLE - CHARACTERS O		
187	9BK	PP (6227)	36	2473	79/06/20.	79/05/10.	DSD - DISABLE SYNTAX TABLE - CHARACTERS		
188	9BL	PP (6227)	33	4352	79/06/20.	79/05/10.	DSD - DISABLE SYNTAX TABLE - CHARACTERS		
189	9BM	PP (6227)	32	7667	79/06/20.	79/05/10.	DSD - ENABLE/DISABLE REQUESTS.		
190	9BN	PP (6227)	26	1325	79/06/20.	79/05/10.	DSD - JOB CONTROL REQUESTS.		
191	9BO	PP (6227)	30	5635	79/06/20.	79/05/10.	DSD - JOB CONTROL REQUESTS.		
192	9BP	PP (6227)	42	4143	79/06/20.	79/05/10.	DSD - JOB CONTROL REQUESTS.		
193	9BQ	PP (6227)	52	6113	79/06/20.	79/05/10.	DSD - DISPLAY CHANGE REQUESTS.		
194	9BR	PP (6227)	41	0146	79/06/20.	79/05/10.	DSD - FILE CONTROL REQUESTS.		
195	9BS	PP (6227)	15	7137	79/06/20.	79/05/10.	DSD - FILE CONTROL REQUESTS.		
196	9BT	PP (6227)	43	2477	79/06/20.	79/05/10.	DSD - RESOURCE CONTROL COMMANDS.		
197	9BU	PP (6227)	33	4727	79/06/20.	79/05/10.	DSD - ASSIGN VSN TO UNIT.		
198	9BV	PP (6227)	36	4315	79/06/20.	79/05/10.	DSD - MAINTENANCE COMMANDS.		
199	9BW	PP (6227)	31	7135	79/06/20.	79/05/10.	DSD - EQUIPMENT AVAILABILITY COMMANDS.		
200	9BX	PP (6227)	44	1412	79/06/20.	79/05/10.	DSD - MASS STORAGE VALIDATION.		
201	9BY	PP (6227)	33	7375	79/06/20.	79/05/10.	DSD - ENTER TIME.		
202	9BZ	PP (6227)	46	7360	79/06/20.	79/05/10.	DSD - ENTER DATE.		
203	DIS	PP (1100)	1300	7542	79/06/20.	76/01/11. 79/05/09.	JOB DISPLAY.		
204	9EA	PP (7006)	37	7035	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY A. - DAYFILE.		
205	9EB	PP (7006)	60	1142	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY E. - MAGNETIC TAPES.		
206	9EC	PP (7006)	16	5461	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY F. - CENTRAL MEMORY 4 GROU		
207	9ED	PP (7006)	71	7213	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY G. - CM, 4 GROUPS OF 5.		
208	9EE	PP (7006)	24	3265	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY H. - FILE NAME TABLE.		
209	9EF	PP (7006)	43	3451	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY J. - SYSTEM STATUS.		
210	9EG	PP (7006)	50	4370	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY K. - EQUIPMENT STATUS TABL		
211	9EH	PP (7006)	57	4414	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY L. - FILE NAME TABLE.		
212	9EI	PP (7006)	46	1475	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY M - ECS MEMORY DISPLAY.		
213	9EJ	PP (7006)	56	3753	79/06/20.	76/01/11. 79/05/09.	DIS - DISPLAY P. - PP REGISTERS.		



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214	9EK	PP (7006)	42	3604	79/06/20.	76/01/11.	79/05/09.	DIS	- DISPLAY Q. - INPUT/OUTPUT/ROLLOUT
215	9EL	PP (7006)	26	4314	79/06/20.	76/01/11.	79/05/09.	DIS	- DISPLAY V. - CENTRAL MEMORY BUFFER
216	9EM	PP (7006)	46	2133	79/06/20.	76/01/11.	79/05/09.	DIS	- DISPLAY Y. - MONITOR FUNCTIONS.
217	9EN	PP (7006)	67	0335	79/06/20.	76/01/11.	79/05/09.	DIS	- DISPLAY Z. - DIRECTORY.
218	9EO	PP (7443)	25	7351	79/06/20.	76/01/11.	79/05/09.	DIS	- CPU COMMANDS.
219	9EP	PP (7443)	34	4466	79/06/20.	76/01/11.	79/05/09.	DIS	- STATEMENT ENTRY.
220	9EQ	PP (7443)	31	2712	79/06/20.	76/01/11.	79/05/09.	DIS	- EXECUTE STATEMENTS.
221	9ER	PP (7443)	30	1544	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER REGISTER.
222	9ES	PP (7443)	30	3607	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER X REGISTER.
223	9ET	PP (7443)	36	2347	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER MEMORY.
224	9EU	PP (7443)	33	6542	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER INSTRUCTION.
225	9EV	PP (7443)	35	4301	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER ECS.
226	9EW	PP (7443)	17	7551	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER MEMORY/ENTER INSTRUCTION EXI
227	9EX	PP (7443)	23	7172	79/06/20.	76/01/11.	79/05/09.	DIS	- CPU PROGRAM INTERFACE COMMANDS.
228	9EY	PP (7443)	35	1333	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER FIELD LENGTH.
229	9EZ	PP (7443)	37	0230	79/06/20.	76/01/11.	79/05/09.	DIS	- ENTER ECS FIELD LENGTH.
230	9E0	PP (7443)	34	6164	79/06/20.	76/01/11.	79/05/09.	DIS	- CALL Q26 TO CONTROL POINT.
231	9E1	PP (7443)	20	3374	79/06/20.	76/01/11.	79/05/09.	DIS	- MISCELLANEOUS COMMANDS.
232	9E2	PP (7443)	34	2532	79/06/20.	76/01/11.	79/05/09.	DIS	- MISCELLANEOUS COMMANDS.
233	9E3	PP (7443)	25	0306	79/06/20.	76/01/11.	79/05/09.	DIS	- INTERPRET KEYSSET MESSAGE.
234	9E4	PP (7443)	22	6615	79/06/20.	76/01/11.	79/05/09.	DIS	- CHECK KEYBOARD REQUEST.
235	9FA	PP (7443)	24	5105	79/06/20.	76/01/11.	79/05/09.	DIS	- INTERPRET MORE MESSAGES.
236	9FB	PP (7443)	20	7762	79/06/20.	76/01/11.	79/05/09.	DIS	- CALL PPU PROGRAM.
237	026	PP (1100)	1277	4214	79/06/20.	78/04/10.	79/05/09.	CONSOLE	TEXT EDITOR.
238	9GA	PP (6343)	65	2550	79/06/20.	78/04/10.	79/05/09.	026	- FILE COMMANDS.
239	9GB	PP (6343)	67	3375	79/06/20.	78/04/10.	79/05/09.	026	- LINE ENTRY AND DATA MOVE.
240	9GC	PP (6343)	63	1007	79/06/20.	78/04/10.	79/05/09.	026	- DISPLAY, TAB, DUP AND SCAN CONTROL
241	9GD	PP (6343)	52	3162	79/06/20.	78/04/10.	79/05/09.	026	- LINE SEARCH COMMANDS.
242	9GE	PP (6343)	11	4224	79/06/20.	78/04/10.	79/05/09.	026	- SEQUENTIAL RECORD SEARCH COMMANDS.
243	9GF	PP (6343)	73	0770	79/06/20.	78/04/10.	79/05/09.	026	- RANDOM RECORD SEARCH COMMANDS.
244	9GG	PP (6343)	65	6267	79/06/20.	78/04/10.	79/05/09.	026	- REPLACE COMMANDS.
245	9GH	PP (6343)	7	6451	79/06/20.	78/04/10.	79/05/09.	026	- REWRITE RECORD IN PLACE.
246	9GI	PP (6343)	62	0064	79/06/20.	78/04/10.	79/05/09.	026	- MISCELANEOUS COMMANDS.
247	(00)	SUM =	12547	LIBRARY =		4			
248	PFILES	ABS	1405	2254	79/06/20.	76/10/27.	79/05/09.	PERMANENT FILE MANIPULATOR.	
	APPEND	353							
	ATTACH	377							
	CHANGE	431							
	DEFINE	461							
	GET	510							
	NEW	540							
	OLD	551							
	PACKNAM	557							
	PERMIT	574							
	PURGE	621							
	REPLACE	643							
	SAVE	667							
	RFL=	1665							
	SDM=	0							
249	PFATC1	OVL 01,00	2200	0562	79/06/20.	73/05/24.	79/05/09.	PFATC1 - CATALOG PF ARCHIVE TAPE.	
250	PFCAT1	OVL 01,00	4427	7545	79/07/12.	78/04/10.	79/07/12.	PFCAT1 - CATALOG PERMANENT FILE DEVICE.	
251	PFCOPY1	OVL 01,00	2301	1261	79/07/10.	73/05/24.	79/07/10.	PFCOPY1 - COPY ARCHIVE FILE UTILITY.	
252	PFDUMP1	OVL 01,00	5545	7641	79/07/12.	78/04/10.	79/07/12.	PFDUMP1 - PERMANENT FILE DUMP.	
253	PFL0AD1	OVL 01,00	6153	3255	79/07/12.	78/04/10.	79/07/12.	PFL0AD1 - PERMANENT FILE LOAD.	

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254	PFS	ABS	2412	4373	79/06/20.	73/05/24. 78/04/09.	PERMANENT FILE SUPERVISOR.		
	PFS	1336							
	PFLDAD	1651							
	PFDUMP	1653							
	PFATC	1654							
	PFATC	1655							
	PFCOPY	1656							
	RFL =	2502							
	SSJ =	155							
255	PURGALL	ABS	661	7727	79/06/20.	73/05/05. 78/04/09.	PURGE ALL PERMANENT FILES.		
	PURGALL	147							
	RFL =	1517							
256	CMS	PP (1212)	451	0756	79/07/10.	79/05/10. 79/07/10.	MSM - ON LINE MASS STORAGE MANAGER.		
257	ELM	PP (1100)	117	6165	79/06/20.	78/04/10.	ERROR LOG MESSAGE PROCESSOR.		
258	IMS	PP (1100)	1126	0114	79/06/20.	78/04/10. 79/06/14.	INITIALIZE MASS STORAGE.		
259	RDM	PP (1100)	406	4705	79/06/20.	78/04/10. 79/05/09.	RDM - REDEFINE MASS STORAGE.		
260	IIS	PP (1100)	356	1304	79/06/20.	79/05/10.	INSTALL DEADSTART FILE.		
261	CONFIG	ABS	2243	4573	79/06/20.	78/04/10.	CONFIGURE MASS STORAGE.		
	CONFIG	126							
	RFL =	3516							
262	INSTALL	ABS	357	7776	79/06/20.	79/05/10.	INSTALL DEADSTART FILE.		
	INSTALL	136							
	RFL =	10530							
	SSJ =	125							
263	MSI	ABS	3635	2363	79/06/20.	78/04/10. 79/06/14.	MASS STORAGE DEVICE INITIALIZATION.		
	MSI	327							
	FLAW	515							
	RFL =	6260							
	SSJ =	3726							
264	PFM	PP (1100)	710	1366	79/07/03.	79/05/10. 79/07/03.	PFM - PERMANENT FILE MANAGER.		
265	3PA	PP (1606)	661	6030	79/07/03.	79/05/10. 79/07/03.	PFM - GET PROCESSING AND RESIDENT ROUTIN		
266	3PB	PP (4664)	106	6374	79/07/03.	79/05/10. 79/07/03.	PFM - SAVE/REPLACE PROCESSING.		
267	3PC	PP (4664)	106	2023	79/07/03.	79/05/10. 79/07/03.	PFM - APPEND PROCESSING.		
268	3PD	PP (4664)	220	2633	79/07/03.	79/05/10. 79/07/03.	PFM - ATTACH/UATTACH PROCESSING.		
269	3PE	PP (1504)	420	2056	79/07/03.	79/05/10. 79/07/03.	PFM - CATLIST PROCESSING.		
270	3PF	PP (4664)	164	3013	79/07/03.	79/05/10. 79/07/03.	PFM - DEFINE/SETDA PROCESSING.		
271	3PG	PP (4664)	201	6037	79/07/03.	79/05/10. 79/07/03.	PFM - PERMIT/PURGE/DROPDS PROCESSING.		
272	3PH	PP (1504)	540	5511	79/07/03.	79/05/10. 79/07/03.	PFM - ERROR PROCESSING.		
273	3PI	PP (1622)	172	0562	79/07/03.	79/05/10. 79/07/03.	PFM - LOCAL FILE PROCESSING.		
274	3PJ	PP (4664)	77	4121	79/07/03.	79/05/10. 79/07/03.	PFM - CHANGE PROCESSING.		
275	3PK	PP (1700)	106	0074	79/07/03.	79/05/10. 79/07/03.	PFM - DEVICE TO DEVICE TRANSFER.		
276	3PL	PP (2402)	76	0456	79/07/03.	79/05/10. 79/07/03.	PFM - APPEND - ORIGINAL FILE TRANSFER.		
277	3PM	PP (1622)	125	1622	79/07/03.	79/05/10. 79/07/03.	PFM - FILE RESIDENCE PROCESSING.		
278	3PN	PP (4664)	56	1065	79/07/03.	79/05/10. 79/07/03.	PFM - MSS ATTACH PROCESSING.		
279	3PO	PP (6776)	62	1552	79/07/03.	79/05/10. 79/07/03.	PFM - ATTACH/UATTACH PRESET - READ CATAL		
280	3PP	PP (4664)	107	6317	79/07/03.	79/05/10. 79/07/03.	PFM - SETASA/SETAF PROCESSING.		
281	PFU	PP (1100)	733	7107	79/07/10.	78/04/10. 79/07/10.	PFU - PERMANENT FILE UTILITY PROCESSOR.		
282	3FA	PP (3152)	512	7222	79/07/10.	78/04/10. 79/07/10.	PFU - PFLDAD ROUTINES.		
283	3FB	PP (3152)	105	7151	79/07/10.	78/04/10. 79/07/10.	PFU - ERROR PROCESSOR.		
284	1CK	PP (1100)	176	3306	79/06/20.	79/05/10.	SYSTEM CHECK POINT.		
285	3CK	PP (2156)	242	1722	79/06/20.	79/05/10.	1CK - SYSTEM CHECK POINT.		
286	5ME	PP (7003)	36	4165	79/06/20.	78/04/10.	MS VALIDATION ERROR PROCESSOR.		
287	(00)	SUM =	52664	LIBRARY =	5				
288	CPM	PP (1100)	515	4266	79/06/20.	78/04/10. 79/05/09.	CONTROL POINT MANAGER.		
289	3CA	PP (1615)	265	6401	79/06/20.	78/04/10. 79/05/09.	CPM - USER VALIDATION FUNCTIONS.		

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290	3CB	PP (1615)	275	4751	79/06/20.	78/04/10.	79/05/09.	CPM - USER ACCOUNTING FUNCTIONS.	
291	3CC	PP (1615)	60	2120	79/06/20.	78/04/10.	79/05/09.	CPM - LOADER/MISCELLANEOUS FUNCTIONS.	
292	EXU	PP (1100)	126	4227	79/06/20.	70/12/20.	79/05/09.	EXECUTE *COS* FORMAT PROGRAM.	
293	LDD	PP (1100)	425	7431	79/06/20.	78/01/13.		LDD - LOAD FAST DYNAMIC LOAD DIRECTORIES	
294	LDQ	PP (1100)	167	6466	79/06/20.	78/01/13.		LDQ - LOAD QUICKLY.	
295	2LD	PP (1100)	56	6717	79/06/20.	78/01/13.		LDD/LDQ - ERROR PROCESSOR.	
296	LFM	PP (1100)	274	0125	79/06/20.	78/04/10.	79/05/09.	LOCAL FILE MANAGER.	
297	3LA	PP (1761)	104	3336	79/06/20.	78/04/10.	79/05/09.	LFM - ERROR PROCESSOR.	
298	3LB	PP (1761)	267	2524	79/06/20.	78/04/10.	79/05/09.	LFM - LOCAL FILE FUNCTIONS.	
299	3LC	PP (1761)	266	2040	79/06/20.	78/04/10.	79/05/09.	LFM - EQUIPMENT REQUESTS.	
300	3LD	PP (1761)	100	2754	79/06/20.	78/04/10.	79/05/09.	LFM - COMMON FILE FUNCTIONS.	
301	3LE	PP (1761)	360	1701	79/06/20.	78/04/10.	79/05/09.	LFM - FILE DISPOSAL FUNCTIONS.	
302	3LF	PP (1761)	201	0054	79/06/20.	78/04/10.	79/05/09.	LFM - CONTROL STATEMENT FILE FUNCTIONS.	
303	3LG	PP (1761)	150	1424	79/06/20.	78/04/10.	79/05/09.	LFM - GETFNT AND PRIMARY FUNCTIONS.	
304	SFM	PP (1100)	1004	7431	79/06/20.	76/01/11.	79/05/09.	SYSTEM FILE MANAGER.	
305	3SZ	PP (3070)	347	5040	79/06/20.	76/01/11.	79/05/09.	SFM - FAST ATTACH PROCESSORS.	
306	SFP	PP (1100)	31	4605	79/06/20.	78/04/10.	79/05/09.	SCOPE FUNCTION PROCESSOR.	
307	2SA	PP (1143)	172	6314	79/06/20.	78/04/10.	79/05/09.	SFP - STS - STATUS PROCESSOR..	
308	2SB	PP (1143)	764	2072	79/06/20.	78/04/10.	79/05/09.	SFP - MSD - SDA/SIS MESSAGE GENERATOR..	
309	2SC	PP (1143)	57	1105	79/06/20.	78/04/10.	79/05/09.	SFP - PFE - EXTEND/ALTER FUNCTION..	
310	2SD	PP (1143)	111	4603	79/06/20.	78/04/10.	79/05/09.	SFP - ACE - ADVANCE CONTROL CARD..	
311	2SE	PP (1143)	22	2425	79/06/20.	78/04/10.	79/05/09.	SFP - PRM - PERMISSION CHECKING FUNCTION	
312	2SF	PP (1143)	16	2013	79/06/20.	78/04/10.	79/05/09.	SFP - SRP - SPECIAL REQUEST PROCESSING..	
313	2SG	PP (1143)	100	6657	79/06/20.	78/04/10.	79/05/09.	SFP - ERP - ERROR PROCESSOR..	
314	2SH	PP (1143)	170	6450	79/06/20.	78/04/10.	79/05/09.	SFP - DDO - EXTRACT ERROR TEXT..	
315	2SI	PP (1143)	11	5120	79/06/20.	78/04/10.	79/05/09.	SFP - FIN - FILE INFORMATION REQUEST..	
316	RPV	PP (1100)	277	2123	79/06/20.	78/04/10.	79/05/09.	REPRIEVE CENTRAL PROGRAM.	
317	2RP	PP (1100)	42	0052	79/06/20.	78/04/10.	79/05/09.	RPV - ERROR PROCESSOR.	
318	(00)	SUM =	10461	LIBRARY =			6		
319	ACCFAM	ABS	422	2374	79/06/20.	78/04/10.		USER AND FAMILY CARD PROCESSOR.	
	ACCOUNT	111							
	FAMILY	224							
	USER	111							
	VAL=	0							
	SDM=	0							
	RFL=	523							
	SSJ=	252							
320	CHARGE	ABS	2042	1526	79/06/20.	76/10/27.	78/10/06.	JOB PROFILE VALIDATION PROGRAM.	
	CHARGE	1213							
	ARG=	0							
	VAL=	0							
	RFL=	2144							
	SSJ=	1014							
321	ISF	ABS	1216	2357	79/06/20.	79/05/10.		INITIALIZE SYSTEM FILES.	
	ISF	132							
	RFL=	2137							
	SSJ=	125							
322	MODVAL	ABS	13555	1313	79/06/20.	76/01/11.	79/05/09.	USER VALIDATION FILE MANAGER.	
	MODVAL	14567							
	LIMITS	14551							
	PASSWOR	14560							
	SOM=	0							
	RFL=	17673							
	SSJ=	14372							

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323	PROFILE ABS PROFILE 10375 ARG= 10375 RFL= 13614 SSJ= 2516	7013	6457	79/06/20.	76/09/21.	79/05/09.	PROJECT PROFILE MANAGER.	
324	SFS OVL 01,00	1724	7604	79/06/20.	73/05/24.	79/05/09.	SPECIAL SYSTEM FILE SUPERVISOR.	
325	OAV PP (0000)	173	7537	79/06/20.	76/10/24.	79/05/09.	VERIFY USER ACCOUNT NUMBER.	
326	OAV PP (0000)	75	1535	79/06/20.	76/10/24.	79/05/09.	UPDATE PROJECT PROFILE FILE.	
327	OVJ PP (0000)	275	2500	79/06/20.	79/05/10.		VERIFY JOB/USER STATMENT.	
328	(00) SUM =	31203	LIBRARY =		7			
329	VEJ PP (1100)	214	5325	79/06/20.	76/10/24.	79/05/09.	VEJ - VERIFY JOB FILE INFORMATION.	
330	OAC PP (1100)	362	2101	79/06/20.	78/04/10.	79/05/09.	OAC - QUEUE ACCESS.	
331	3QR PP (6000)	36	0250	79/06/20.	78/01/30.		OAC - ERROR PROCESSOR.	
332	3QS PP (3370)	66	2343	79/06/20.	78/01/30.		OAC - ATTACH QUEUED FILE.	
333	3QT PP (3370)	220	4767	79/06/20.	78/01/30.		OAC - ALTER QUEUED FILE.	
334	3QU PP (3370)	161	5512	79/06/20.	78/01/30.		OAC - PEEK/COUNT QUEUED FILES.	
335	DSP PP (1100)	1010	2115	79/06/20.	76/10/24.	79/06/14.	DSP - DISPOSE FILE TO I/O QUEUE.	
336	3DA PP (1453)	173	4472	79/06/20.	76/10/24.	79/06/14.	DSP - ERROR PROCESSOR.	
337	QAP PP (1100)	366	2154	79/06/20.	78/01/18.		QUEUE AUXILLARY PROCESSOR.	
338	3BA PP (3274)	120	3346	79/06/20.	78/01/18.		QAP - ACCOUNTING.	
339	3BB PP (3274)	113	1571	79/06/20.	78/01/18.		QAP - LOAD PRINTER PFC IMAGE MEMORY.	
340	3BC PP (3274)	137	1411	79/06/20.	78/01/18.		QAP - GENERATE LACE CARD.	
341	3BD PP (3274)	54	6547	79/06/20.	78/01/18.		QAP - PROCESS OPERATOR REQUEST.	
342	3BE PP (3274)	43	3431	79/06/20.	78/01/18.		QAP - CHANNEL ERROR CLEANUP.	
343	3BF PP (4056)	142	1604	79/06/20.	78/01/18.		QAP - RELOAD 580 PFC MEMORY.	
344	5BA PP (6767)	42	2317	79/06/20.	78/01/18.		QAP - 580 PFC IMAGE ARRAY.	
345	5BB PP (6767)	42	0231	79/06/20.	78/01/18.		QAP - 580 PFC IMAGE ARRAY.	
346	1CD PP (1100)	1103	7240	79/06/20.	78/01/18.		BATCHIO COMBINED DRIVER.	
347	110 PP (1100)	230	7657	79/06/20.	79/05/10.		BATCHIO MANAGER.	
348	3IA PP (2534)	140	7025	79/06/20.	79/05/10.		110 - SUBROUTINES.	
349	3IB PP (3753)	43	6623	79/06/20.	79/05/10.		110 - LOAD PRINTER IMAGE MEMORY.	
350	3IC PP (4212)	144	4537	79/06/20.	79/05/10.		110/3IC - ERROR SUBROUTINES.	
351	3ID PP (2534)	213	4172	79/06/20.	79/05/10.		110/3ID - BATCHIO PRESET.	
352	5IA PP (4212)	74	5251	79/06/20.	79/05/10.		110 - 512 595-1 IMAGE MEMORY.	
353	5IC PP (4212)	74	5424	79/06/20.	79/05/10.		110 - 512 595-4, 595-5 IMAGE MEMORY.	
354	5ID PP (4212)	74	4076	79/06/20.	78/12/01.	110 - 512	595-6 IMAGE MEMORY.	
355	5IE PP (4212)	117	3727	79/06/20.	79/05/10.		110 - 580 596-1 IMAGE MEMORY.	
356	5IG PP (4212)	117	1275	79/06/20.	79/05/10.		110 - 580 596-4, 596-5 IMAGE MEMORY.	
357	5IH PP (4212)	117	0426	79/06/20.	78/12/01.	110 - 580	596-6 IMAGE MEMORY.	
358	(00) SUM =	7051	LIBRARY =		8			
359	(00) SUM =	0	LIBRARY =		9			
360	(00) SUM =	0	LIBRARY =		10			
361	TLX PP (1100)	131	1703	79/06/20.	73/06/19.	75/03/23.	TERMINAL ACTION PROCESSOR.	
362	1TA PP (1100)	255	0724	79/07/03.	78/04/10.	79/07/03.	IAF AUXILIARY FUNCTION PROCESSOR.	
363	3TA PP (2561)	21	3473	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - ADJUST *TELEX* FIELD LEN	
364	3TB PP (2561)	103	6317	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - RETURN TERMINAL JOB.	
365	3TC PP (2561)	302	0700	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - CREATE ROLLOUT FILE.	
366	3TD PP (2561)	137	1632	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - TERMINAL LOGOUT PROCESSOR	
367	3TE PP (7006)	65	0135	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - DISPLAY ACCOUNTING MESSA	
368	3TF PP (4076)	46	1464	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - ISSUE USER MESSAGE.	
369	3TG PP (2561)	140	4344	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - PARTIAL LOGOUT PROCESSOR	
370	3TH PP (2561)	23	7407	79/07/03.	78/04/10.	79/07/03.	77/06/03. 1TA - INCREMENT RESOURCE LIMIT	

REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	16
371	3TI	PP (2561)	253	6027	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - TERMINAL RECOVERY PROCES
372	3TJ	PP (2561)	206	1531	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - JOB SCHEDULING.
373	3TK	PP (2561)	115	2123	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - GATHER STATISTICS.
374	3TL	PP (2561)	114	6214	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - CLEAN UP SALVARE FILE.
375	3TM	PP (2561)	101	6175	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - REPACK RECOVERY FILE (IN
376	3TN	PP (2561)	41	3507	79/07/03.	78/04/10.	79/07/03.	77/06/03.	1TA - RETURN JOB STATUS.
377	1TD	PP (1100)	366	4720	79/06/20.	78/04/10.	79/06/14.		TERMINAL INPUT/OUTPUT.
378	2TD	PP (3236)	326	3332	79/06/20.	78/04/10.	79/06/14.		1TD/2TD - NETWORK PROCESSING ROUTINES.
379	TCOMND	ABS	112	2506	79/06/20.	74/09/06.	76/01/11.		TERMINAL COMMAND PROCESSOR.
	ASCII	120							
	CSET	123							
	PARITY	132							
	RFL=	225							
380	VALNET	OVL 00,00	6225	0747	79/06/20.	72/06/14.			VALIDATE TERMINAL DESCRIPTION FILE.
381	(00)	SUM =	12040	LIBRARY =	11				
382	BLANK	ABS	1262	1532	79/06/20.	76/10/27.	78/04/09.		BLANK TAPE LABELING PROGRAM.
	BLANK	110							
	ARG=	1365							
	RFL=	1502							
	SSJ=	1343							
383	MAGNET	ABS	1567	4326	79/06/20.	78/04/10.	79/05/09.		MAGNETIC TAPE EXECUTIVE.
	MAGNET	1576							
	RFL=	7777							
384	MAGNET1	ABS	533	5326	79/06/20.	78/04/10.	79/05/09.		MAGNETIC TAPE EXECUTIVE TERMINATION.
	MAGNET1	7000							
	MFL=	7777							
	SSJ=	0							
385	RESEX	ABS	6027	0203	79/06/20.	78/04/10.	79/05/09.		RESOURCE EXECUTIVE.
	ASSIGN	5170							
	LABEL	4074							
	REQUEST	5205							
	RESOURC	4225							
	VSN	4311							
	LFH	4322							
	PFH	5210							
	REQ	4355							
	ARG=	236							
	DMP=	100000							
	RFL=	7312							
	SSJ=	224							
386	1LT	PP (1100)	217	7642	79/06/20.	78/04/10.	79/05/09.		1MT - LONG BLOCK HELPER PROCESSOR.
387	1MT	PP (1100)	354	5275	79/06/20.	78/04/10.	79/05/09.		PPU MAGNETIC TAPE EXECUTIVE.
388	3MA	PP (1600)	1173	7044	79/06/20.	78/04/10.	79/05/09.		1MT - INITIALIZE TAPE EXECUTIVE.
389	3MB	PP (6602)	130	6642	79/06/20.	78/04/10.	79/05/09.		1MT - FUNCTION REJECT PROCESSOR.
390	3MC	PP (6602)	176	7621	79/06/20.	78/04/10.	79/05/09.		1MT - ERRLOG MESSAGE PROCESSOR.
391	3MD	PP (6602)	167	0350	79/06/20.	78/04/10.	79/05/09.		1MT - MTS/ATS ERRLOG MESSAGE PROCESSOR.
392	3ME	PP (7302)	41	5701	79/06/20.	78/04/10.	79/05/09.		1MT - MTS/ATS SPECIAL MESSAGE PROCESSOR.
393	3MF	PP (2775)	450	0543	79/06/20.	78/04/10.	79/05/09.		1MT - LOAD CONVERSION MEMORY.
394	3MG	PP (2147)	31	5145	79/06/20.	78/04/10.	79/05/09.		1MT - DROP PPU PROCESSOR.
395	3MH	PP (6602)	143	3644	79/06/20.	78/04/10.	79/05/09.		1MT - CONTROL POINT/CODED PRESET.
396	3MI	PP (2147)	70	0263	79/06/20.	78/04/10.	79/05/09.		1MT - COMPLETE USER FET.
397	3MJ	PP (2147)	436	5340	79/06/20.	78/04/10.	79/05/09.		1MT - ISSUE USER MESSAGE(S).
398	3MK	PP (2147)	547	3433	79/06/20.	78/04/10.	79/05/09.		1MT - USER JOB OPERATIONS.
399	3ML	PP (2147)	335	0434	79/06/20.	78/04/10.	79/05/09.		1MT - READ FUNCTION PROCESSOR.
400	3MM	PP (2772)	246	1121	79/06/20.	78/04/10.	79/05/09.		1MT - READ LONG BLOCK PROCESSOR.

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401	3MN	PP (2525)	741	0360	79/06/20.	78/04/10.	79/05/09.	1MT - READ LABEL PROCESSOR.	
402	3MD	PP (5703)	74	0155	79/06/20.	78/04/10.	79/05/09.	1MT - MULTI-FILE AUXILIARY PROCESSOR.	
403	3MP	PP (2147)	416	6104	79/06/20.	78/04/10.	79/05/09.	1MT - OPEN OPERATIONS.	
404	3MQ	PP (2412)	213	5542	79/06/20.	78/04/10.	79/05/09.	1MT - TAPE POSITIONING OPERATIONS.	
405	3MR	PP (3755)	435	0410	79/06/20.	78/04/10.	79/05/09.	1MT - MMTC READ ERROR PROCESSOR	
406	3MS	PP (3755)	501	2336	79/06/20.	78/04/10.	79/05/09.	1MT - MTS/ATS READ ERROR PROCESSOR.	
407	3MT	PP (2147)	333	7227	79/06/20.	78/04/10.	79/05/09.	1MT - WRITE FUNCTION PROCESSOR.	
408	3MU	PP (2777)	232	2342	79/06/20.	78/04/10.	79/05/09.	1MT - WRITE LONG BLOCK PROCESSOR.	
409	3MV	PP (3052)	334	1151	79/06/20.	78/04/10.	79/05/09.	1MT - WRITE LABEL PROCESSOR.	
410	3MW	PP (3760)	342	5513	79/06/20.	78/04/10.	79/05/09.	1MT - MMTC WRITE ERROR PROCESSOR.	
411	3MX	PP (3760)	442	4010	79/06/20.	78/04/10.	79/05/09.	1MT - MTS/ATS WRITE ERROR PROCESSOR.	
412	3MY	PP (2342)	25	7753	79/06/20.	78/04/10.	79/05/09.	1MT - TAPE MONITORING PRESET.	
413	FIRM66X	PPU (00)	3147	3424	78/03/21.				
414	(00)	SUM =	27710	LIBRARY =			12		
415	CATALOG	ABS	1557	0416	79/06/20.	75/03/20.	78/10/06.	CATALOG FILE.	
	CATALOG	201							
	RFL=	10606							
	SSM=	0							
416	CATLIST	ABS	2451	4354	79/06/20.	79/05/10.		CATALOG PERMANENT FILES.	
	CATLIST	2361							
	RFL=	4103							
417	CHKPT	ABS	1636	3712	79/06/20.	76/10/27.	79/05/09.	CENTRAL MEMORY CHECKPOINT.	
	CKP	260							
	SFP	0							
	DMP=	0							
	RFL=	10115							
	SSJ=	253							
418	CONTROL	ABS	1330	6365	79/06/20.	78/04/10.	79/05/09.	JOB CONTROL PROCESSOR.	
	COMMENT	136							
	EXIT	137							
	MFL	145							
	MODE	165							
	NOEXIT	204							
	NORERUN	211							
	ONEXIT	217							
	ONSW	220							
	OFFSW	242							
	PROTECT	243							
	RERUN	266							
	RFL	274							
	ROLLOUT	303							
	SETASL	356							
	SETJSL	357							
	SETPR	320							
	SETTL	327							
	SUI	360							
	SWITCH	220							
	USECPU	367							
	RFL=	1430							
419	CTL2	ABS	1245	5550	79/06/20.	78/04/10.	79/05/09.	CONTROL STATEMENT BRANCH PROCESSOR.	
	CALL	146							
	GOTO	254							
	RFL=	4436							
	SSJ=	40000							

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	79/10/31. 08.56.15. COMMENTS	PAGE	18
420	CTL3 ABS IF 117 RFL= 1536 ARG= 1536	1040	1302	79/06/20.	78/04/10. 79/05/09. EXPRESSION EVALUATION PROCESSOR.		
421	CONVERT ABS CONVERT 130 RFL= 7600	1532	7273	79/06/20.	75/04/20. 78/04/09. CONVERT FILES.		
422	COPYB ABS COPY 230 COPYBF 232 COPYEI 234 COPYBR 1606 COPYX 1623 TCOPY 2022 RFL= 12152 SSM= 0	4114	6770	79/06/20.	77/03/21. 79/05/09. BINARY FILE COPIES.		
423	COPYC ABS COPYSBF 174 COPYCF 145 COPYCR 161 RFL= 5165 SSM= 0	712	5610	79/06/20.	78/04/10. CODED FILE COPIES.		
424	COPY67 ABS COPY67 110 RFL= 5520	454	2703	79/06/20.	70/06/06. 71/02/14. COPY 6600 TAPES TO 7600 FORMAT.		
425	COPY76 ABS COPY76 110 RFL= 5550	444	0474	79/06/20.	70/06/06. 71/02/14. COPY 7600 TAPES TO 6600 FORMAT.		
426	CPMEM ABS DED 205 DEP 206 DMDECS 205 DMPECS 201 DMH 250 DMP 251 LBC 336 LOC 354 PBC 434 RBR 477 WBR 562 DMP= 10053 MFL= 5300	5170	5626	79/06/20.	72/12/10. CONTROL POINT MEMORY UTILITIES.		
427	CVLCP ABS CVL 113 DMP= 100000 RFL= 252 SSJ= 0	147	7107	79/06/20.	78/08/10. CVL SCP COMMUNICATIONS.		
428	DAYFILE ABS DAYFILE 206 AFD 200 DFD 214 ELD 222 ARG= 1021 RFL= 10114	2172	5471	79/06/20.	76/01/09. 78/04/09. DUMP DAYFILES.		
429	DOCMNT ABS DOCMNT 244	3476	6356	79/06/20.	70/08/25. 79/05/09. DOCMNT - INTERNAL/EXTERNAL DOCUMENTATIO		

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	19
430	MFL= 211445 EDIT ABS EDIT 4140 RFL= 11725 SSM= 0	4436	3350	79/06/20.	76/10/25. 79/05/09. TIME SHARING TEXT EDITOR.			
431	ENQUIRE ABS ENQUIRE 2207 LENGTH 2210 STATUS 2215 SUMMARY 2216 RFL= 3317 SSJ= 0	2341	2665	79/06/20.	75/05/08. 79/05/09. 75/02/16. ENQUIRE ABOUT JOB STATUS.			
432	FCOPY ABS FCOPY 147 RFL= 4456	1201	1217	79/06/20.	79/05/10. FCOPY - FILE COPY.			
433	FILES ABS BKSP 175 COMMON 202 DISPOSE 214 EVICT 365 LOCK 372 OUT 377 PRIMARY 404 RENAME 412 SKIPEI 436 SKIPF 443 SKIPFB 452 SKIPR 457 SETID 422 UNLOCK 464 WRITEF 471 WRITER 476 RFL= 710	562	3716	79/06/20.	73/06/12. 79/05/09. LOCAL FILE MANIPULATOR.			
434	FNTLST1 OVL 01,00	2414	5124	79/06/20.	78/04/10. 79/05/09. FNTLIST - LIST ACTIVE QUEUED FILES.			
435	HELP ABS HELP 2423 RFL= 3025	2421	6136	79/06/20.	71/03/02. 77/10/19. PROCESS HELP FOR TS USER.			
436	GTR ABS GTR 176 COPYRF 247 MFL= 225656	1717	6060	79/06/20.	73/05/17. 79/05/09. GET SELECTED RECORDS.			
437	LIBEDIT ABS LIBEDIT 111 SSM= 0	4542	1065	79/06/20.	79/05/10. LIBRARY EDITING PROGRAM.			
438	LISTLB ABS LISTLB 135 RFL= 3413 ARG= 1032	1354	1347	79/06/20.	76/10/27. 78/10/06. LIST MAGNETIC TAPE LABELS.			
439	LIST80 ABS LIST80 476 RFL= 5457	1411	0536	79/06/20.	79/05/10. COMPRESS COMPASS LISTINGS.			
440	LO72 ABS LO72 2277 RFL= 4056	3342	0015	79/06/20.	70/08/01. COMPRESS OUTPUT FILES.			
441	MFILES ABS CLEAR 163	277	0643	79/06/20.	79/05/10. MULTIPLE FILE PROCESSOR.			



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	RETURN	164						
	REWIND	165						
	UNLOAD	166						
	RFL=	764						
442	MSORT	OVL 00,00	262	6611	79/06/20. 78/04/10.			
443	NOTE	ABS	503	6436	79/06/20. 78/04/10.			MULTI-TERMINAL SORT ROUTINE. ENTER DELIMITED LINES INTO FILE.
	NOTE	126						
	ENTER	116						
	RFL=	710						
444	PACK	ABS	444	1142	79/06/20. 76/01/11. 78/07/20.			PACK FILE TO ONE RECORD.
	PACK	102						
	RFL=	2645						
445	RESEQ	ABS	1670	5454	79/06/20. 79/05/10.			TIME SHARING RESEQUENCE ROUTINE.
	RESEQ	1664						
	RFL=	6000						
446	RESTART	ABS	1412	3750	79/06/20. 73/09/25. 79/05/09.			RESTART CHECKPOINTED JOB.
	RESTART	147						
	DMP=	450000						
	RFL=	10121						
	SSJ=	400000						
447	ROUTE	ABS	520	3516	79/06/20. CONTROL DATA CORPORATION. 1976.			
	ROUTE	212						
	RFL=	630						
448	SORT	ABS	773	7514	79/06/20. 76/01/11. 77/06/09.			FILE SORT ROUTINE
	SORT	140						
	MFL=	214000						
449	SUBMIT	ABS	1604	1162	79/06/20. 75/04/20. 78/10/06.			ENTER JOB IN INPUT QUEUE.
	SUBMIT	172						
	RFL=	10042						
450	TDUMP	ABS	1175	6704	79/06/20. 73/05/05. 78/10/06.			FILE DUMP.
	TDUMP	1112						
	RFL=	6140						
451	TRMDEF	ABS	1504	7526	79/06/20. 79/02/22.			DEFINE TERMINAL CHARACTERISTICS.
	TRMDEF	120						
	RFL=	1611						
452	VERIFY	ABS	2042	6541	79/06/20. 77/03/16. 78/10/06.			VERIFY FILES.
	VERIFY	232						
	RFL=	13220						
	SSM=	0						
453	VFYLIB	ABS	1502	0610	79/06/20. 79/05/10.			VERIFY LIBRARY FILES.
	VFYLIB	135						
	MFL=	220643						
	SSM=	0						
454	OUT	PP (1100)	275	5473	79/06/20. 75/03/20. 79/05/09.			RELEASE OUTPUT FILES.
455	(00)	SUM =	107614		LIBRARY = 13			
456	KRONREF	ABS	2120	3675	79/06/20. 78/04/10.			KRONOS SYSTEM CROSS REFERENCE PROGRAM.
	KRONREF	151						
	MFL=	234116						
457	MODIFY	ABS	7621	0621	79/06/20. 75/04/20. 79/05/09.			SOURCE LIBRARY EDITING PROGRAM.
	MODIFY	361						
	RFL=	37063						
458	OPLDIT	ABS	10473	6444	79/06/20. 75/03/20. 79/05/09.			OPL EDITING PROGRAM.
	OPLDIT	252						
	MFL=	222157						

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459	COMPASS	ABS	705	0043	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION		
	COMPASS	355							
	ARG=	1							
	MFL=	10000							
460	COMP3%	OVL 01,00	7636	0402	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION		
461	COMP3%A	OVL 01,01	14312	6165	79/06/09.	CYBER 70/ MODEL 74	COMPREHENSIVE ASSEMBLER PROGRAM VERSION		
462	UPDATE	ABS	15121	1432	79/06/19.				
	UPDATE	10626							
	RFL=	35000							
463	COPYL	ABS	1577	2610	79/06/19.	MERGE RECORDS FROM MASTER AND CORR. FILES.			
	COPYL	212							
	COPYLM	211							
	RFL=	12000							
464	ITEMIZE	ABS	2212	0324	79/06/19.	LIST CONTENTS OF A BINARY FILE.			
	ITEMIZE	2070							
	RFL=	20000							
465	(00)	SUM =	70643	LIBRARY =	14				
466	NOSTEXT	OVL 01,01	5767	7550	79/06/20.	76/10/24.	SYSTEM COMMUNICATION TEXT.		
467	ECSTEXT	OVL 01,01	206	3352	79/06/20.	78/04/10.	USER ECS INTERPRETIVE MODE TEXT.		
468	PPTEXT	OVL 01,01	1276	2453	79/06/20.	76/10/24.	SYSTEM PP TEXT		
469	PSSTEXT	OVL 01,01	3212	6250	79/06/20.	77/08/08.	PRODUCT SET SUPPORT MACROS.		
470	SYSTEXT	OVL 01,01	4515	5153	79/06/20.	78/04/10.	SYSTEM CP MACROS.		
471	(00)	SUM =	17422	LIBRARY =	15				
472	PFMTXT	OVL 01,01	1101	3041	79/06/09.	PERMANENT FILE SYSTEM MACROS.			
473	FCL5TXT	OVL 01,01	10531	1644	79/06/20.	FCL5 - INITIALIZE FCL5 RUN TIME LIBRARY.			
474	MTH5TXT	OVL 01,01	2626	1761	79/06/20.	MACROS FOR MATH LIBRARY.			
475	CETEXT	OVL 01,01	173	5746	79/06/20.	79/05/10.	ENGINEERING SERVICES SUPPORT TEXT.		
476	SSYTEXT	OVL 01,01	132	1564	79/06/20.	76/10/24.	SYSTEM TEXT FOR CONTROL POINT PROGRAMS.		
477	CPCTEXT	OVL 01,01	5273	3411	79/06/09.	SYSTEM TEXT FOR CPU PROGRAMS USING *CPC*.			
478	CPUTEXT	OVL 01,01	4562	3435	79/06/09.	SYSTEM TEXT FOR CPU PROGRAMS USING MACE I/O.			
479	IPTEXT	OVL 01,01	647	3311	79/06/09.	INSTALLATION PARAMETER SYSTEM MACROS.			
480	SPPTXT	OVL 01,01	6402	1730	79/06/09.	PPU PROGRAM SYSTEM TEXT.			
481	SCPTXT	OVL 01,01	12232	1103	79/06/09.	SYSTEM TEXT.			
482	CD CSTXT	OVL 01,01	452	2266	79/06/09.				
483	(00)	SUM =	51237	LIBRARY =	16				
484	LDC	OVL 00,00	103	5760	79/06/20.	75/07/11.	LDC - LOAD TIMESHARING COMPILER OVERLAY.		
485	LIBGEN	ABS	1654	2730	79/06/20.	75/04/24. 79/05/09.	LIBGEN - GENERATE USER LIBRARY.		
	LIBGEN	156							
486	SETCORE	OVL 00,00	105	0741	79/06/20.	75/02/10.	SETCORE - PRESET MEMORY.		
487	LDRCNTL	ABS	216	3645	79/06/09.				
	LIBRARY	244							
	MAP	207							
	REDUCE	152							
	RFL=	316							
488	LOADER	ABS	12040	3353	79/06/09.	CYBER COMMON LOADER (L 498).			
	LOADLDR	11577							
	LOAD	11613							
	LIBLOAD	11613							
	SLOAD	11613							
	EXECUTE	11613							
	NOGO	11613							
	SATISFY	11613							
	SFGLoad	11613							

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	22
	LDSET 11613							
	GROUP 11613							
	CAPSULE 11613							
	LDR= 11612							
	SLDR= 11610							
	MFL= 240000							
	SSJ= 0							
489	LOADU ABS	10367	3461	79/06/09.	USER-CALL LOADER (L 498).			
	LOADU 7311							
	SSJ= 0							
490	LDRTEXT OVL 01,01	1240	3413	79/06/09.	LOADER REQUEST SYSTEM MACROS.			
491	LOADC OVL 01,01	663	7044	79/06/09.	LOADER - PROCESS CARD IMAGES.			
492	LOADG OVL 01,02	2117	3665	79/06/09.	LOADER - GENERATE OVERLAYS.			
493	LOADS OVL 01,03	4540	2640	79/06/09.	LOADER - GENERATE SEGMENT LOAD.			
494	LOADZ OVL 01,00	10637	3544	79/06/09.	LOADER - RESUME OVERLAY GENERATION.			
495	LOADM OVL 02,00	3542	2237	79/06/09.	LOADER - WRITE LOAD MAP.			
496	LOADUC OVL 04,01	711	4466	79/06/09.	LOADU - PROCESS CARD IMAGES.			
497	LOADUM OVL 04,02	2450	6245	79/06/09.	LOADU - WRITE LOAD MAP.			
498	TRAP OVL 00,00	4307	3027	79/06/09.				
499	SEGRES OVL 00,00	1136	5257	79/06/09.	SEGMENT LOADER RESIDENT.			
500	(00) SUM =	63362			LIBRARY = 17			
501	GENHELP TEXT	37	4434					
502	GENVAL TEXT	16	1776					
503	LIRMOD TEXT	17	6625					
504	MOVEPF TEXT	44	2316					
505	(00) SUM =	140			LIBRARY = 18			
506	QFM PP (1100)	1060	6064	79/06/20.	75/01/27. QUEUE FILE MANAGER.			
507	3QA PP (3170)	152	3451	79/06/20.	74/04/01. QFM - QFM ERROR PROCESSOR.			
508	3QB PP (3170)	35	4142	79/06/20.	74/04/01. QFM - INITIALIZE IQFT FILE.			
509	3QC PP (3170)	167	6265	79/06/20.	74/04/01. QFM - REQUEUE/RELEASE FNT LIST.			
510	3QD PP (3170)	162	4135	79/06/20.	74/04/01. QFM - DEQUEUE/ATTACH PROCESSORS.			
511	QFSP ABS	6650	2201	79/06/20.	78/04/10. 79/05/09. QUEUED FILE SUPERVISOR.			
	QFSP 6400							
	QREC 6463							
	QLIST 6455							
	QDUMP 6465							
	QLOAD 6473							
	LDLIST 6467							
	QMOVE 6503							
	DFTERM 6513							
	DFLIST 6507							
	QALTER 6433							
	FNTLIST 6436							
	RFL= 10500							
	SSJ= 3377							
	SSM= 6751							
512	QDUMP1 OVL 01,00	3256	7150	79/06/20.	76/10/24. 78/10/06. QUEUE DUMP PROCESSOR.			
513	QLOAD1 OVL 01,00	3040	1431	79/06/20.	76/10/24. 78/10/06. QUEUE LOAD PROCESSOR.			
514	QMOVE1 OVL 01,00	3646	3712	79/06/20.	76/10/24. 78/10/06. QUEUE MOVE PROCESSOR.			
515	QREC1 OVL 01,00	2761	6770	79/06/20.	QUEUE RECOVERY PROCESSOR. 79/05/10.			
516	DFTERM1 OVL 01,00	2145	7247	79/06/20.	75/03/10. 79/05/09. DAYFILE TERMINATION PROCESSOR.			
517	LDI ABS	503	6220	79/06/20.	71/02/12. 78/04/09. LOAD JOBS TO INPUT QUEUE.			
	LDI 125							
	RFL= 4625							

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
518	(00) SUM =	30525	LIBRARY =	19	
519	ILD PP (1100)	122	0111	79/07/12.	
520	CUX PP (1100)	45	6037	79/07/12.	CUX - CHECK USER ACCESS FOR MAINT. ROUTINES.
521	MLD PP (1100)	525	6343	79/07/12.	
522	5LL PP (4500)	476	4571	79/07/12.	
523	5MU PP (4500)	436	1720	79/07/12.	
524	58X PP (4500)	464	3530	79/07/12.	
525	55X PP (4500)	471	2577	79/07/12.	
526	56X PP (4500)	467	2753	79/07/12.	
527	57X PP (4500)	463	6671	79/07/12.	
528	541 PP (4500)	445	2360	79/07/12.	
529	58H PP (4500)	470	2420	79/07/12.	
530	58F PP (4500)	462	3231	79/07/12.	
531	5SU PP (4500)	447	7775	79/07/12.	
532	5SV PP (6207)	144	7505	79/07/12.	
533	5FH PP (4500)	463	2262	79/07/12.	
534	5FF PP (4500)	456	6044	79/07/12.	
535	5MT PP (4500)	473	0435	79/07/12.	
536	5MW PP (7277)	75	7065	79/07/12.	
537	5MR PP (7277)	67	3642	79/07/12.	
538	5MS PP (7277)	66	7432	79/07/12.	
539	5CU PP (4500)	347	3267	79/07/12.	
540	5BP PP (1100)	176	3422	79/07/12.	
541	CP1 PP (1100)	1236	2777	79/07/12.	
542	LP1 PP (1100)	750	6425	79/07/12.	
543	90A PP (5710)	134	6772	79/07/12.	
544	90B PP (5710)	204	4744	79/07/12.	
545	90C PP (5710)	204	0640	79/07/12.	
546	90D PP (5710)	157	3276	79/07/12.	
547	90E PP (5710)	113	2552	79/07/12.	
548	90F PP (5710)	166	5613	79/07/12.	
549	CR1 PP (1100)	1224	0444	79/07/12.	
550	FTP PP (1100)	671	0660	79/07/12.	
551	90H PP (5331)	43	1413	79/07/12.	
552	90I PP (5331)	2	3055	79/07/12.	
553	90J PP (5331)	124	6526	79/07/12.	
554	90K PP (5331)	140	2000	79/07/12.	
555	90L PP (5331)	61	2060	79/07/12.	
556	90M PP (5331)	107	6663	79/07/12.	
557	90N PP (5331)	77	3422	79/07/12.	
558	90O PP (5331)	105	6470	79/07/12.	
559	90P PP (5331)	65	5470	79/07/12.	
560	90Q PP (5331)	123	2370	79/07/12.	
561	90R PP (5331)	25	6166	79/07/12.	
562	90S PP (5331)	132	7407	79/07/12.	
563	90T PP (5331)	23	1430	79/07/12.	
564	90U PP (5331)	123	3532	79/07/12.	
565	90V PP (5331)	37	5465	79/07/12.	
566	CSU ABS	2042	0401	79/07/12.	
	CSU	111			
	MFL=	2000			
567	LCM ABS	3063	5342	79/07/12.	
	LCM	111			
	RFL=	5000			

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	24
568	MEM MEM RFL=	ABS 111 20000	2253	0641	79/07/12.			
569	MY1 MY1 MFL=	ABS 111 20000	1553	1103	79/07/12.			
570	EC3 EC3 RFL=	ABS 111 5440	3314	0612	79/07/12.			
	SSJ=	3374						
571	CYBRLOG CYBRLOG RFL=	ABS 1555 2400	2227	6451	79/07/20.			
	SSJ=	110						
572	ALX ALX RFL=	ABS 111 2100	1735	0207	79/07/12.			
573	CT3 CT3 RFL=	ABS 111 20000	5546	1030	79/07/12.			
574	CT7 CT7 RFL=	ABS 111 30000	5464	3652	79/07/12.			
575	CTB CTB RFL=	ABS 111 10000	6171	3065	79/07/12.			
576	CU1 CU1 RFL=	ABS 111 6400	6215	6306	79/07/12.			
577	FM2 FM2 RFL=	ABS 111 1600	1451	3651	79/07/12.			
578	STX STX RFL=	ABS 111 40000	5020	1036	79/07/12.			
579	CMU CMU RFL=	ABS 111 10000	1643	6422	79/07/12.			
580	FST FST RFL=	ABS 111 2300	2136	2003	79/07/12.			
581	IWS IWS RFL=	ABS 111 2200	2027	3400	79/07/12.			
582	MRG MRG RFL=	ABS 111 2300	2167	5706	79/07/12.			
583	RAN RAN RFL=	ABS 111 2700	2536	0676	79/07/12.			
584	GETLOG GETLOG RFL=	ABS 144 12236	725	4626	79/07/12.			
	SSJ=	363						
585	KEDIAG KEDIAG	ABS 4152	6045	3420	79/07/12.			

REC	CATALOG OF DS NAME TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	25
	RFL=	6151						
	SSJ=	2437						
586	NORM ABS	40574	2422	79/07/12.				
	NORM	11137						
587	FDP PP (1100)	1105	1742	79/07/05.	FDP - 881/883 PACK FORMATTING UTILITY DRIVER.			
588	FORMAT ABS	4340	2016	79/07/05.	FORMAT - 7054/844 DISK PACK FORMATTING UTILITY.			
	FORMAT	3731						
	RFL=	4436						
589	(00) SUM =	170610	LIBRARY =	20				
590	CCLBRWE ABS	5250	5247	79/06/09.				
	BEGIN	3377						
	REVERT	3377						
	WHILE	3377						
	ENDW	3377						
	ARG=	0						
	RFL=	10664						
	SDM=	0						
	SSJ=	0						
591	CCLIFES ABS	2636	0501	79/06/09.				
	IFE	2604						
	ELSE	2604						
	ENDIF	2604						
	SKIP	2604						
	ARG=	0						
	RFL=	3677						
	SDM=	0						
	SSJ=	0						
592	CCLDS ABS	2541	6402	79/06/09.				
	DISPLAY	2423						
	SET	2423						
	ARG=	0						
	RFL=	3602						
	SDM=	0						
	SSJ=	0						
593	SYSLIB ULIB	2075	6673	79/06/20.				
755	(00) SUM =	51500	LIBRARY =	21				
756	CRMEP ABS	10146	0371	79/06/09.				
	CRMEP	3326						
757	FILE ABS	2617	5204	79/06/09.				
	FILE	1356						
758	IOTEXT OVL 01,01	11202	1741	79/06/09.				
759	TXTCRM OVL 01,01	11332	4000	79/06/09.				
760	BANLIB ULIB	422	6450	79/07/12.				
831	FORM ABS	7120	7253	79/06/09.				
	FORM	247						
832	BITLIB ULIB	601	4155	79/06/09.				
863	(00) SUM =	134426	LIBRARY =	22				
864	SYMPL ABS	11666	1352	79/06/09.				
	SYMPL	11057						
865	SYMP10 OVL 01,00	7553	2534	79/06/09.				
866	SYMP15 OVL 01,05	5621	3361	79/06/09.				
867	SYMP16 OVL 01,06	26024	0435	79/06/09.				
868	SYMP14 OVL 01,04	3005	3146	79/06/09.				

REC	CATALOG NAME	OF DS TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	26
869	SYMP17	OVL 01,07	2427	6546	79/06/09.				
870	SYMP13	OVL 01,03	23023	2360	79/06/09.				
871	SYMP30	OVL 03,00	33	3267	79/06/09.				
872	SYMP31	OVL 03,01	31015	5643	79/06/09.				
873	SYMP32	OVL 03,02	34723	1126	79/06/09.				
874	SYMP40	OVL 04,00	11751	1742	79/06/09.				
875	SYMP50	OVL 05,00	10037	4777	79/06/09.				
876	SYMP51	OVL 05,01	1210	1356	79/06/09.				
877	SYMP52	OVL 05,02	1342	2114	79/06/09.				
878	SYMLIB	ULIB	25	5014	79/06/09.				
885	(00)	SUM =	221375	LIBRARY =	23				
886	(00)	SUM =	0	LIBRARY =	24				
887	(00)	SUM =	0	LIBRARY =	25				
888	(00)	SUM =	0	LIBRARY =	26				
889	(00)	SUM =	0	LIBRARY =	27				
890	(00)	SUM =	0	LIBRARY =	28				
891	(00)	SUM =	0	LIBRARY =	29				
892	COPY8P	ABS	15227	7272	79/06/09.				
893	(00)	SUM =	15227	LIBRARY =	30				
894	(00)	SUM =	0	LIBRARY =	31				
895	(00)	SUM =	0	LIBRARY =	32				
896	(00)	SUM =	0	LIBRARY =	33				
897	(00)	SUM =	0	LIBRARY =	34				
898	ADC	PP (1100)	1145	4321	79/06/20. 71/01/09. 78/04/09.	ANDY CAPP DISPLAY.			
899	BAT	PP (1100)	1176	1136	79/06/20. 71/03/02. 79/05/09.	BASEBALL GAME.			
900	DOG	PP (1100)	345	4126	79/06/20. 73/05/05. 78/04/09.	SNOOPY WHI FLYING ACE.			
901	9ZA	PP (3116)	750	7417	79/06/20. 73/05/05. 78/04/09.	ACE - DISPLAY DATA.			
902	DS1	PP (1100)	643	7622	79/06/20. 71/01/09. 78/04/09.	6612/DD60 DISPLAY ALIGNMENT TEST.			
903	HFM	PP (1100)	123	1510	79/06/20. 74/11/13. 76/05/26.	HARDWARE FUNCTION MANAGER.			
904	SMP	PP (1100)	203	5770	79/06/20. 71/07/27. 78/04/09.	SAMPLE CPU P-REGISTER.			
905	WRM	PP (1100)	471	0304	79/06/20. 71/01/09. 78/04/09.	WORM(S) DISPLAY.			
906	ITS	PP (1100)	574	2451	79/06/20. 78/06/22. 79/05/09.	INTERACTIVE TERMINAL STIMULATION DRIVER.			
907	ITE	PP (1100)	717	2757	79/06/20. 78/06/22. 79/05/09.	EXTERNAL TERMINAL STIMULATION DRIVER.			
908	DEMUX	ABS	2015	3076	79/06/20. 78/06/22. 79/06/16.	DEMUX - SORT STIMULA TERMINAL DATA.			
	DEMUX	142							
	RFL=	23130							
909	DSDI	ABS	20120	7407	79/06/20. 78/04/10. 79/05/09.	DEAD START DUMP INTERPRETER.			
	DSDI	320							
	HFL=	50313							
	SSJ=	243							
910	LPT	ABS	3025	3534	79/06/20. 70/07/25. 75/04/20.	LINE PRINTER TEST.			
	LPT	110							
	RFL=	3123							

REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
911	MST	ABS	1663	3336	79/06/20.	74/03/04. 79/05/09. MASS STORAGE TEST.
	MSADR	130				
	MST	144				
	MFL=	205604				
912	SCRSIM	ABS	2704	5655	79/06/20.	74/11/13. 79/05/09. STATUS/CONTROL REGISTER SIMULATOR.
	SCRSIM	207				
	RFL=	3257				
	SSJ=	202				
913	STIMULA	ABS	4544	0247	79/06/20.	78/06/22. 79/05/09. INTERACTIVE TERMINAL STIMULATOR.
	STIMULA	253				
	NSTIM	246				
	ASTIM	247				
	RFL=	13544				
914	UPMOD	ABS	1755	6074	79/06/20.	70/06/06. 75/04/20. UPDATE TO MODIFY CONVERSION PROGRAM.
	UPMOD	163				
	MFL=	244156				
915	DFSORT	ABS	51051	2671	79/06/20.	
	DFSORT	42226				
916	PSAMP	ABS	12744	4123	79/06/20.	
	PSAMP	4514				
917	(00)	SUM =	133764	LIBRARY =		35
918	(00)	SUM =	0	LIBRARY =		36
919	(00)	SUM =	0	LIBRARY =		37
920	(00)	SUM =	0	LIBRARY =		38
921	(00)	SUM =	0	LIBRARY =		39
922	(00)	SUM =	0	LIBRARY =		40
923	(00)	SUM =	0	LIBRARY =		41
924	(00)	SUM =	0	LIBRARY =		42
925	(00)	SUM =	0	LIBRARY =		43
926	(00)	SUM =	0	LIBRARY =		44
927	(00)	SUM =	0	LIBRARY =		45
928	(00)	SUM =	0	LIBRARY =		46
929	(00)	SUM =	0	LIBRARY =		47
930	(00)	SUM =	0	LIBRARY =		48
931	(00)	SUM =	0	LIBRARY =		49
932	(00)	SUM =	0	LIBRARY =		50
933	(00)	SUM =	0	LIBRARY =		51
934	(00)	SUM =	0	LIBRARY =		52



REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	28
935	(00)	SUM =	0	LIBRARY =	53				
936	(00)	SUM =	0	LIBRARY =	54				
937	(00)	SUM =	0	LIBRARY =	55				
938	SYSTEM	OPLD	2321	3762	79/07/31.				
939	* EOF *	SUM =	1704736						

REC	CATALOG OF DS NAME	TYPE	FILE LENGTH	2 CKSUM	DATE	COMMENTS	79/10/31. 08.56.15.	PAGE	29
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* EOI *		SUM =	0						
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REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	1		
1	COPYRT	OPLC (64)	26	0036	79/05/10.							
2	(00)	SUM -	26	LIBRARY -	1							
3	CETEXT	OPL (64)	1151	7166	79/05/10.							
4	ECSTEXT	OPL (64)	36	2060	78/04/10.							
5	PPTEXT	OPL (64)	26	1701	76/10/24.							
6	PSSTEXT	OPL (64)	34	5771	77/08/08.							
7	NOSTEXT	OPL (64)	33	7571	76/10/24.							
8	SSYS	OPL (64)	605	0773	76/10/24.							
9	SYSTEXT	OPL (64)	27	7071	78/04/10.							
10	(00)	SUM -	2160	LIBRARY -	2							
11	CPCOM KRA305 CPCOM6	OPLC (64) CPCOM1 KRA596	23724 KRA344 CPCOM48	4254 KRA354 CPCOM7	76/10/27. CPCOM2 N15000	CPCOM3	KRA381	CPCOM4	CPCOM5	KRA390	CPCOM4A	N14000
12	PPCOM KRA502 KRA572	OPLC (64) KRA513 KRA600	24302 KRA526 KRA606	7447 KRA548 PPCOM1	78/04/10. KRA555 N15000	KRA556 PPCOM2	KRA562	KRA566	KRA569	DOK21	KRAPFC	KRAPFCA
13	(00)	SUM -	50226	LIBRARY -	3							
14	COMCMAC DOK14	OPLC (64) KRA293	13647 N13000	5353 KRA311	76/01/11. KRA320	CMAC1	N14000	CMAC2	DOK21	N15000		
15	(00)	SUM -	13647	LIBRARY -	4							
16	COMCARG	OPLC (64)	730	1107	79/05/10.							
17	COMCARM	OPLC (64)	1237	4177	79/05/10.							
18	COMCCCE	OPLC (64)	410	4644	79/05/10.							
19	COMCCOD KRON107	OPLC (64) DOK07	415	6304	70/12/20.							
20	COMCCFD KRON107	OPLC (64)	567	3501	71/09/13.							
21	COMCCHD	OPLC (64)	356	2615	78/04/10.							
22	COMCCIO	OPLC (64)	1043	5656	79/05/10.							
23	COMCCOD DOC12	OPLC (64)	340	5100	70/12/20.							
24	COMCCMD CCMD1	OPLC (64) CCMD2	3617	0154	78/04/10.							
25	COMCCPA	OPLC (64)	1073	5363	76/01/09.							
26	COMCCPM K21001	OPLC (64)	245	1347	70/10/09.							
27	COMCCPT CCPT1	OPLC (64)	416	7565	73/10/23.							
28	COMCCVI N14000	OPLC (64)	3034	3165	75/04/20.							
29	COMCCVL	OPLC (64)	224	7701	78/04/10.							

REC	CATALOG NAME	OF DPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
30	COMCDXB DUC12	OPLC (64) DOK07	625 CDXB1	5255	70/10/09.	
31	COMCECM	OPLC (64)	664	4522	78/04/10.	
32	COMCECS CECS1	OPLC (64) CECS2	3600 CECS3	0370 N15000	78/04/10.	
33	COMCEDT	OPLC (64)	461	5512	71/02/04.	
34	COMCFCE CFCE1	OPLC (64) CFCE2	3064 KRON43	5127 KRON92	71/07/21. K21001	DOK03 KRA068 KN0003 KRAPFC
35	COMCFQO N12000	OPLC (64) N13000	1316	3043	75/02/21.	
36	COMCHXB N15000	OPLC (64)	431	6331	78/04/10.	
37	COMCIQP	OPLC (64)	1470	0570	76/10/24.	
38	COMCLFM CLFM1	OPLC (64)	315	0527	70/10/09.	
39	COMCLOD	OPLC (64)	1262	0171	78/04/10.	
40	COMCMTM CMTM1	OPLC (64) CMTM2	742	6272	70/12/13.	
41	COMCMTP DOK01	OPLC (64) CMTM1	3425 CMTM2	6632	70/12/20.	
42	COMCMVE DOK05	OPLC (64)	1427	0103	73/11/10.	
43	COMCOVL	OPLC (64)	265	4332	70/12/20.	
44	COMCPFM CPFM1	OPLC (64)	312	7233	70/12/01.	
45	COMCPFU	OPLC (64)	303	1160	75/08/19.	
46	COMCPOP KRA604	OPLC (64)	1651	6173	78/04/10.	
47	COMCQFM	OPLC (64)	305	2607	74/01/31.	
48	COMCRDC	OPLC (64)	520	1254	78/04/10.	
49	COMCRDH CRDH1	OPLC (64)	750	6267	76/01/11.	
50	COMCRDO RD01	OPLC (64) CRD02	573 K21001	1216 CRD03	70/10/09.	
51	COMCRDS	OPLC (64)	1416	0640	75/04/20.	
52	COMCRDW KRA302	OPLC (64) KRA344	2755 KRA302B	0621 KRA602	73/11/09. CRDW1	
53	COMCRSP	OPLC (64)	2504	7536	78/04/10.	
54	COMCRTN K21006	OPLC (64) CRTN1	13504 N13000	0335 N14000	73/05/05. KRA561	

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30. 09.07.53.	PAGE	3
55	COMCSFM	OPLC (64)	310	3370	70/10/09.				
56	COMCSFN DOK16	OPLC (64) KRA369	273	5415	74/12/04.				
57	COMCSNM N14000	OPLC (64) KRA535	1015	3707	77/03/15.				
58	COMCSRT CSRT1	OPLC (64) KRA554	2054	7100	78/04/10.				
59	COMCSSN CSSN1	OPLC (64)	320	5351	70/10/24.				
60	COMCSST	OPLC (64)	370	3742	70/12/04.				
61	COMCSTF	OPLC (64)	232	6200	79/05/10.				
62	COMCSYS	OPLC (64)	1121	3005	79/05/10.				
63	COMCUPC DOC10	OPLC (64) K21001	732	3576	70/12/13.	DOK01 DOK03 KRA042			
64	COMCUSB	OPLC (64)	621	0333	79/05/10.				
65	COMCVFE CVFE1	OPLC (64)	1456	2210	76/10/27.				
66	COMCHOD	OPLC (64)	471	3744	70/12/13.				
67	COMCHTC K21001	OPLC (64) DOC12	512	1066	70/10/09.	KRA038			
68	COMCWTH	OPLC (64)	770	3544	74/12/04.				
69	COMCWTD K21001	OPLC (64)	466	6363	70/10/09.				
70	COMCWTS	OPLC (64)	1360	5371	74/12/04.				
71	COMCWTH CWTW1	OPLC (64) KRA302	2462	5763	73/11/09.	KRA302B DOK18			
72	COMCZAP	OPLC (64)	631	5170	79/05/10.				
73	COMCZTB KRA369	OPLC (64)	303	4770	76/01/11.				
74	(00)	SUM =	115430	LIBRARY =	5				
75	COMDDIS N15000	OPLC (64)	2444	5436	78/04/10.				
76	COMDDSP DDSP1	OPLC (64) KRA606	1657 N15000	4450	78/04/10.				
77	COMDSYS KRON84	OPLC (64) KRON98	3433 DOK03	1375 N12000	70/12/20. DSYS1	N14000 DOK20 KRA572 N15000			
78	COMDTFN	OPLC (64)	417	3147	79/05/10.				
79	(00)	SUM =	10375	LIBRARY =	6				
80	COMMSE	OPLC (64)	2351	6244	79/05/10.				
81	(00)	SUM =	2351	LIBRARY =	7				

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
82	COMPMAC	OPLC (64)	3112	3307	79/05/10.	
83	(00)	SUM =	3112	LIBRARY =	8	
84	COMPACE	OPLC (64)	1015	1365	79/05/10.	
85	COMPACS	OPLC (64)	370	1460	76/01/09.	
	DOK14					
86	COMPANS	OPLC (64)	510	6633	76/10/24.	
87	COMPCCI	OPLC (64)	160	5102	76/01/09.	
88	COMPCEA	OPLC (64)	323	6717	76/01/22.	
89	COMPCFP	OPLC (64)	314	7341	76/01/11.	
90	COMPCHI	OPLC (64)	1210	2651	76/01/11.	
	PCHI1					
91	COMPCHL	OPLC (64)	1515	6466	76/01/11.	
	N14000					
92	COMPCHM	OPLC (64)	716	1346	79/05/10.	
93	COMPICB	OPLC (64)	367	3271	70/03/12.	
	KRA113	K22000				
94	COMPCKP	OPLC (64)	170	4337	75/03/20.	
	N12000					
95	COMPCLD	OPLC (64)	562	6573	73/05/08.	
	N12000	DOK14				
96	COMPCLX	OPLC (64)	523	1435	79/05/10.	
97	COMPCHA	OPLC (64)	1605	3461	74/07/23.	
98	COMPCHX	OPLC (64)	1037	3254	75/02/15.	
	PCMX1	N14000				
99	COMPCOB	OPLC (64)	357	3161	70/03/12.	
	KRA113	K22000				
100	COMPORA	OPLC (64)	576	7437	79/05/10.	
101	COMPORS	OPLC (64)	207	7205	73/05/05.	
	KRA113	DOK15				
102	COMPCTI	OPLC (64)	201	1656	72/06/15.	
	K22000					
103	COMPQUA	OPLC (64)	503	4231	76/01/11.	
104	COMPQUN	OPLC (64)	433	4032	76/10/24.	
105	COMPQUT	OPLC (64)	222	3066	76/01/09.	
106	COMPQVI	OPLC (64)	2500	2352	74/12/10.	
	N12000	N14000	DOK21			
107	COMPQ2D	OPLC (64)	201	7010	70/09/03.	
	KRA113					
108	COMPQTS	OPLC (64)	500	2777	76/01/09.	
	DOK14	DOK15				
109	COMPQV5	OPLC (64)	245	2147	78/04/10.	

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
110	COMPECX	OPLC (64)	351	0156	78/04/10.	
111	COMPFAT	OPLC (64)	525	1253	78/04/10.	
112	COMPGBN	OPLC (64)	254	4531	75/01/20.	
113	COMPJN KRA113	OPLC (64)	353	6563	71/01/31.	
114	COMPJN KRA113	OPLC (64)	235	4424	71/01/31.	
115	COMPJFR	OPLC (64)	207	0113	76/01/09.	
116	COMPJRA K21001 KRA113	OPLC (64)	363 N15000	6727	70/09/18.	
117	COMPLDA	OPLC (64)	1465	4320	79/05/10.	
118	COMPMRQ KRON39 KRON56	OPLC (64)	667 N13000	5150	70/12/13.	
119	COMPMSD	OPLC (64)	1166	0767	79/05/10.	
120	COMPR8B	OPLC (64)	337	2241	75/01/30.	
121	COMPRCB KRA113 K22000	OPLC (64)	474 DOK15	6726 N15000	70/03/12.	
122	COMPRCS	OPLC (64)	1323	4477	79/05/10.	
123	COMPRES N15000	OPLC (64)	523	7464	78/04/10.	
124	COMPRES	OPLC (64)	1116	6620	76/01/11.	
125	COMPRJC KRA113 DOK14	OPLC (64)	245	3000	70/07/20.	
126	COMPRLI PRL11 DOK18	OPLC (64)	1206 PRL12	6725	70/10/05.	
127	COMPRLS N15000	OPLC (64)	260	2744	78/04/10.	
128	COMPRNS KRA113 N15000	OPLC (64)	500	3005	73/06/12.	
129	COMPRSI N15000	OPLC (64)	445	1241	78/04/10.	
130	COMPRSS	OPLC (64)	1031	4503	79/05/10.	
131	COMPSAF DOK01 KRA113	OPLC (64)	363 DOK15	3271	70/09/03.	
132	COMPSCA	OPLC (64)	1257	7512	78/04/10.	
133	COMPSDI N14000	OPLC (64)	254	1316	76/01/09.	
134	COMPSDN	OPLC (64)	512	0245	74/11/08.	
135	COMPSEI N15000	OPLC (64)	576	3553	78/04/10.	
136	COMPSES	OPLC (64)	176	3645	76/01/09.	

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	I CKSUM	DATE	COMMENTS
137	COMPSFB KRA113	OPLC (64)	260	3475	73/05/05.	
138	COMPSFE	OPLC (64)	673	5002	76/10/24.	
139	COMPSFI	OPLC (64)	415	1365	79/05/10.	
140	COMPSFN	OPLC (64)	254	4044	78/04/10.	
141	COMPSNT K21001 KRA113	OPLC (64)	406	7102	70/09/03.	
			DOK15	N15000		
142	COMPSPA KRA113	OPLC (64)	307	3443	71/01/31.	
143	COMPSRA D0C6	OPLC (64)	565	5577	70/09/03.	
			KRA113	DOK15	N14000	N15000
144	COMPSRU KRA557A	OPLC (64)	313	3600	78/08/09.	
145	COMPSSE N13000	OPLC (64)	510	6053	76/01/09.	
146	COMPSSE	OPLC (64)	441	2761	79/05/10.	
147	COMPSTA KRA113	OPLC (64)	324	3004	71/01/31.	
148	COMPSTI K22000	OPLC (64)	343	4121	72/07/14.	
			DOK12	PST11		
149	COMPSUT N14000	OPLC (64)	771	5254	76/01/09.	
150	COMPTGB	OPLC (64)	213	2424	76/01/09.	
151	COMPTLB	OPLC (64)	213	5226	76/01/09.	
152	COMPUPP KRA113	OPLC (64)	375	2207	71/02/01.	
153	COMPUPS	OPLC (64)	1224	1033	78/04/10.	
154	COMPUSS	OPLC (64)	5337	2020	79/05/10.	
155	COMPVFC	OPLC (64)	321	2314	76/10/24.	
156	COMPVFN KRA113	OPLC (64)	327	3126	70/03/12.	
157	COMPVMS N14000	OPLC (64)	7612	5210	76/01/11.	
			PVMS1	N15000		
158	COMPWBB KRA113	OPLC (64)	303	2513	70/03/12.	
159	COMPWCB KRA113	OPLC (64)	374	7013	70/03/12.	
			K22000			
160	COMPWEI N15000	OPLC (64)	537	0627	78/04/10.	
161	COMPWSS	OPLC (64)	1167	0303	79/05/10.	



REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30. 09.07.53.	PAGE	7
162	COMPWVE	OPLC (64)	1064	5654	79/05/10.				
163	(00)	SUM =	101167	LIBRARY =	9				
164	COMSACC DOK15	OPLC (64) N14000	3116	6051	76/10/27.				
165	COMSBID KRA586	OPLC (64) N15000	2417	3073	78/04/10.				
166	COMSCIO KRA243	OPLC (64) N14000	456 N15000	5124	73/05/05.				
167	COMSCPS N15000	OPLC (64)	1421	3062	78/04/10.				
168	COMSDSL	OPLC (64)	1541	1547	79/05/10.				
169	COMSESS	OPLC (64)	413	1561	79/05/10.				
170	COMSEVT	OPLC (64)	471	1117	79/05/10.				
171	COMSEXP KRA231	OPLC (64) N13000	3642 KRA306	3200 KRA375	75/04/20. N14000				
172	COMSIOQ N12000	OPLC (64) N13000	1675 KRA339	7306 DOK20	75/04/20. KRA584				
173	COMSJCE KRA600	OPLC (64)	273	0154	78/04/10.				
174	COMSJJO	OPLC (64)	1006	2672	79/05/10.				
175	COMSJRO	OPLC (64)	663	6146	78/04/10.				
176	COMSLDR	OPLC (64)	234	5735	73/06/12.				
177	COMSLFM	OPLC (64)	370	1236	78/05/16.				
178	COMSLSD	OPLC (64)	672	6225	79/05/10.				
179	COMSHMF KRAPFC	OPLC (64)	2055	0101	76/01/09.				
180	COMSHRT KRA536	OPLC (64)	454	7564	76/01/09.				
181	COMSHSC	OPLC (64)	154	0565	79/05/10.				
182	COMSHSI KRA616	OPLC (64)	136	2656	76/03/04.				
183	COMSHSP KRAPFC	OPLC (64) N15000	3752	0036	78/04/10.				
184	COMSHST KRA263	OPLC (64) N14000	551 KRAPFCA	0442 N15000	76/01/09.				
185	COMSHTR N14000	OPLC (64)	302	2450	76/01/11.				
186	COMSMTX	OPLC (64)	10114	4702	79/05/10.				
187	COMSNCD	OPLC (64)	1726	7551	78/04/10.				
188	COMSNET K21006	OPLC (64) N14000	212	2632	73/05/05.				

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
189	COMSPFM KRA620	OPLC (64)	6340	6062	79/05/10.	
190	COMSPFS KRA113	OPLC (64) SPFS1	3502 KRA239	3323 N12000	73/05/24. N14000	
191	COMSPFU	OPLC (64)	1147	0211	79/05/10.	
192	COMSPRD KRA543	OPLC (64) KRA573	650 N15000	5413	78/04/10.	
193	COMSPRO	OPLC (64)	2062	1661	78/04/10.	
194	COMSQFS KRA541	OPLC (64) KRA584	2652 KRA608	5010	78/04/10.	
195	COMSREM	OPLC (64)	3060	6461	79/05/10.	
196	COMSRSX N15000	OPLC (64)	1567	1507	78/04/10.	
197	COMSSCP N15000	OPLC (64)	732	4653	76/10/24.	
198	COMSSCR	OPLC (64)	666	3747	79/05/10.	
199	COMSSFS KRA038	OPLC (64) K22000	3441	0545	73/05/05.	
200	COMSSRU N12000	OPLC (64) N13000	5453 KRA313	6650 KRA387	75/02/22. N14000	KRA387A N15000
201	COMSSSE KRA331	OPLC (64) SSSE1	2146 KRA401	4220 N14000	76/10/24. KRA545	KRAPFC N15000
202	COMSSSJ	OPLC (64)	706	7174	79/05/10.	
203	COMSTCM KRA500	OPLC (64)	2222	2333	76/10/27.	
204	COMSTDR KRA064	OPLC (64) KRA105	650 K22000	7573 N12000	73/05/05.	
205	COMSTRX N13000	OPLC (64) N14000	720 N15000	7656	75/04/05.	
206	COMSWEI	OPLC (64)	167	0633	78/04/10.	
207	COMSZOL N15000	OPLC (64)	426	2601	76/10/24.	
208	COMSIDS	OPLC (64)	740	1275	79/05/10.	
209	COMS176	OPLC (64)	124	4654	79/05/10.	
210	(00)	SUM =	120315	LIBRARY =	10	
211	COMTDAB	OPLC (64)	1620	5446	79/05/10.	
212	COMTOP6	OPLC (64)	425	3633	75/04/20.	
213	COMTOP9	OPLC (64)	545	6776	75/04/20.	
214	COMTNAP TNAP1	OPLC (64)	405	4745	78/04/10.	

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS						
215	COMTVDT TVDT1	OPL (64) TVDT2	2576 TVDT3	6562 KRA595	78/04/10.							
216	COMT6DP	OPL (64)	344	0172	78/04/10.							
217	COMT8AD	OPL (64)	526	1035	79/05/10.							
218	COMT9DP	OPL (64)	342	1005	78/04/10.							
219	(00)	SUM =	7651	LIBRARY =	11							
220	CALLCPU	OPL (64)	152	1071	76/10/27.							
221	CALLDIS	OPL (64)	142	4520	73/06/12.							
222	CALLPPU N14000	OPL (64)	772	5766	76/10/27.							
223	CALLSYS KRON102	OPL (64)	41	7034	70/03/05.							
224	CALLTAB KRON102	OPL (64)	41	0776	70/03/05.							
225	CALLINT	OPL (64)	373	7424	78/05/31.							
226	(00)	SUM =	2003	LIBRARY =	12							
227	CODING	OPL (64)	37000	3312	78/04/10.							
228	(00)	SUM =	37000	LIBRARY =	13							
229	C10 C102 N15000	OPL (64) KRA550	67407 C101	1315 C103	78/04/10. KRAPFC	KRA581	C104	C105	C106	C107	C108	C109
230	CPM CPM1	OPL (64) CPM2	33145 CPM3	2451 KRA548	78/04/10. KRA557	KRA562	CPM4	CPM5	N15000			
231	CVL KRA513	OPL (64) N15000	23035	1435	78/04/10.							
232	D10	OPL (64)	7252	0745	79/05/10.							
233	DIS DIS1 DIS6	OPL (64) N13000 DIS7	61656 DIS2 N15000	7347 KRA355	76/01/11. DIS3	KRA372	DIS4	DIS5	N14000	KRA544	KRA567	KRA548A
234	DSD	OPL (64)	132351	4613	79/05/10.							
235	DSP KRA362 DSP8	OPL (64) DSP1 DSP9	24452 KRA362A KRA609	1076 KRA378 N15000	76/10/24. KRA384 DSP1A	DSP2	DSP3	DSP4	DSP5	N14000	DSP6	DSP7
236	ELM	OPL (64)	3273	1023	78/04/10.							
237	EXU K21001	OPL (64) KRA065	2413 EXU1	2401 N15000	70/12/20.							
238	FDL N15000	OPL (64)	21342	0725	78/04/10.							
239	IMS KRA553	OPL (64) KRAPFC	26256 KRAPFCA	1050 N15000	78/04/10. KRA616							

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	10		
240	LFM KRA513 LFM6	OPL (64) KRA524 LFM7	51775 KRA567 LFM8	1150 LFM1 LFM9	78/04/10. LFM2 N15000	LFM3	LFM4	KRA581	KRA596	KRA601	KRA606	LFM5
241	MSM	OPL (64)	70262	4266	79/05/10.							
242	MTR	OPL (64)	45537	3412	79/05/10.							
243	OSB	OPL (64)	1777	4062	79/05/10.							
244	OUT N13000	OPL (64) OUT1	2227 OUT2	4341 N15000	75/03/20.							
245	O26 O261	OPL (64) KRA606	44131 O262	2117 O263	78/04/10. O264			N15000				
246	PFM KRA620	OPL (64) PFM2	134100 PFM3	0635 PFM4	79/05/10. PFM5	PFM6	PFM7					
247	PFU KRA547	OPL (64) KRA553	54412 KRAPFC	6753 KRAPFCA	78/04/10. PFU1	N15000	PFU3					
248	PPR	OPL (64)	13244	3557	79/05/10.							
249	QAC DOK20	OPL (64) KRA543	33652 QAC1	2705 DOK21	78/04/10. QAC2	N15000						
250	QAP KRA545	OPL (64) QAP1	31022 KRA586	6762 QAP2	78/04/10. QAP3	N15000						
251	QFM KRA330 QFM7	OPL (64) QFM1 QFM8	36003 KRA339 QFM9	5467 KRA378 QFM10	76/10/24. QFM2 QFM11	QFM3 N15000	QFM4	N14000	QFM5	DOK20	KRA545	QFM6
252	RDM KRA556	OPL (64) KRAPFC	17606 KRAPFCB	3712 N15000	78/04/10.							
253	REC REC1	OPL (64) REC2	34313 KRA567	3732 KRA572	78/04/10. KRA588	REC3	REC4	REC5	N15000			
254	RPV RPV1	OPL (64) N15000	11154	3004	78/04/10.							
255	SET KRA502	OPL (64) KRA509	105622 KRA513	2023 KRA526	78/04/10. KRA528	DOK20	KRA533	KRAPFC	KRA597	SET1	SET2	N15000
256	SFM SFM1 KRA553	OPL (64) KRA285 KRA559	33401 N13000 KRA567	0234 KRA318 KRAPFC	76/01/11. KRA331 SFM4	SFM2 N15000	KRA337	KRA338	SFM3	KRA382	KRA397	N14000
257	SFP KRA567	OPL (64) SFP1	30724 KRA581	4436 SFP2	78/04/10. N15000							
258	SLL	OPL (64)	17614	3352	79/05/10.							
259	STL	OPL (64)	17612	1722	79/05/10.							
260	TLX	OPL (64)	4116	3456	79/05/10.							
261	VEJ VEJ1	OPL (64) N14000	6137 KRA545	0356 N15000	76/10/24.							
262	(00)	SUM =	1654333	LIBRARY =	14							

REC	CATALOG OF OPL NAME	OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS							
263	OAU N14000	OPL (64) N15000	3430	1435	76/10/24.								
264	OAV OAV1	OPL (64) OAV2	4551 N14000	4462 N15000	76/10/24.								
265	OBF KRA513	OPL (64) OBF1	3010 KRA550	4461 N15000	78/04/10.								
266	OBP N15000	OPL (64)	11330	2632	78/04/10.								
267	ODF	OPL (64)	4504	0664	79/05/10.								
268	OFA N13000	OPL (64) KRAPFC	1215	5517	76/01/11.								
269	ORF N15000	OPL (64)	2642	3263	78/04/10.								
270	ORP	OPL (64)	2555	6262	79/05/10.								
271	OVJ	OPL (64)	10465	2134	79/05/10.								
272	(00)	SUM =	50566	LIBRARY =	15								
273	IAJ DOK19 KRA588	OPL (64) KRA507 KRA600	101242 KRA517 KRA606	4705 1AJ1 1AJ4A	78/04/10. 1AJ2 1AJ5	1AJ3 1AJ6	KRA543 1AJ7	KRA548 1AJ8	KRA552 1AJ9	KRA555 1AJ10	1AJ4 N15000	KRA548A	
274	ICD ICD3	OPL (64)	33733	1213	79/05/10.								
275	ICJ ICJ1	OPL (64) ICJ2	12235 N15000	2302	78/04/10.								
276	ICK	OPL (64)	11767	5213	79/05/10.								
277	IDL KRA370	OPL (64) N15000	3514	6146	76/10/24.								
278	IDS	OPL (64)	24771	0562	79/05/10.								
279	IIO	OPL (64)	25163	0075	79/05/10.								
280	IIS	OPL (64)	6611	1304	79/05/10.								
281	IMA IMA1	OPL (64) KRA552	11670 KRA566A	3222 KRA600	78/04/10. IMA2	IMA3	N15000						
282	IMB	OPL (64)	13404	0701	79/05/10.								
283	IMC	OPL (64)	2777	7640	79/05/10.								
284	IMT KRA501 KRA572	OPL (64) KRA508 KRA578	303162 IMT1 KRA580	1422 IMT2 KRA610	78/04/10. IMT3 IMT8	KRA533 IMT9	KRA539 IMT10	KRA567 IMT11	IMT4 IMT12	IMT5 IMT13	IMT6 IMT14	IMT7 N15000	
285	IRI IRI1	OPL (64) KRA543	24723 KRA566	4037 KRA567	78/04/10. IRI2	KRA566A KRA573	IRI2A	IRI3	IRI4	N15000			
286	IRO KRA513	OPL (64) IRO1	27330 KRA566A	0767 KRA571	78/04/10. KRA573	IRO2	IRO3	IRO5	IRO6	N15000			

REC	CATALOG OF OPL NAME	TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	12		
287	1SI	OPL (64)	2736	7104	79/05/10.							
288	1SJ KRA543	OPL (64) KRA573	16125 1SJ1	2435 N15000	78/04/10.							
289	1SP N15000	OPL (64)	11311	0356	78/04/10.							
290	1TA KRA513	OPL (64) 1TA1	76757 1TA2	2452 1TA3	78/04/10. 1TA4	1TA5	1TA6	KRA571	1TA7	1TA8	N15000	
291	1T0 KRA506 N15000	OPL (64) 1T01 1T010	27532 1T02	1112 KRA561	78/04/10. 1T03	1T04	1T05	KRA561A	1T05A	1T06	1T08	1T09
292	(00)	SUM =	1037157	LIBRARY =	16							
293	5ME	OPL (64)	1145	6042	78/04/10.							
294	6DE	OPL (64)	2204	5107	79/05/10.							
295	6DI 6DI1	OPL (64)	15662	5503	79/05/10.							
296	6DP 6DP1	OPL (64)	10403	2615	79/05/10.							
297	6MD	OPL (64)	1406	2451	79/05/10.							
298	(00)	SUM =	33244	LIBRARY =	17							
299	ACCFAM	OPL (64)	3013	5350	78/04/10.							
300	BLANK BLANK1	OPL (64) BLANK2	6613 N14000	7121	76/10/27.							
301	CATALOG CATAL1	OPL (64) N12000	10716 N13000	6164 KRA312	75/03/20. CATAL2	CATAL3	CATAL4	N14000	KRA554	KRA563	CATAL5	
302	CATLIST	OPL (64)	12347	0700	79/05/10.							
303	CHARGE KRA338	OPL (64) CHARG1	11427 CHARG2	1636 KRA519	76/10/27. KRA557							
304	CHKPT CHKPT1	OPL (64) N14000	10656 CHKPT2	1015 CHKPT3	76/10/27.							
305	CONFIG	OPL (64)	23452	4153	78/04/10.							
306	CONTROL CONTR1	OPL (64) CONTR2	22730 N15000	0733	78/04/10.							
307	CONVERT KRA211	OPL (64) N14000	7244	4301	75/04/20.							
308	COPYB KRA374 COPYB8	OPL (64) COPYB1	44560 COPYB2	4663 COPYB3	77/03/21. COPYB4	N14000	KRA524	KRA525	COPYB5	COPYB6	KRA554	COPYB7
309	COPYC	OPL (64)	2606	6677	78/04/10.							
310	COPY67 CPY2	OPL (64) SCP046	1340 KTITLE	0367	70/06/06.							



REC	CATALOG OF NAME	OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	14		
334	LIST80	OPL (64)	3127	6601	79/05/10.							
335	L072 L0721	OPL (64) L0722	15025 L0723	4117 L0723A	71/02/28. L0724	L0725	L0726	L0727	L0728	L0729	L07210	
336	MAGNET KRA501	OPL (64) MAGNE1	33271 KRA533	2346 KRA539	78/04/10. KRA539A	KRA572	KRA578	KRA580	MAGNE2	N15000		
337	MFILES	OPL (64)	3267	1004	79/05/10.							
338	MODIFY MODIF1 N14000	OPL (64) MODIF2 KRA554	72243 MODIF3 MODIF11	2530 MODIF4 KRA611	75/04/20. MODIF5 MODIF12	N13000 MODIF13	MODIF6	MODIF7	MODIF8	KRA352	MODIF9 MODIF10	
339	MODVAL MODVA1 MODVA10 MODVA19	OPL (64) KRA288 KRA393 MODVA20	62011 MODVA2 MODVA11	7430 MODVA3 MODVA12	76/01/11. N13000 MODVA13	MODVA4 N14000	DOK16 MODVA14	MODVA5 MODVA15	MODVA6 KRA590	MODVA7 MODVA16	MODVA8 MODVA17	MODVA9 MODVA18
340	MSI KRA556	OPL (64) MSI1	35622 MSI2	5660 KRAPFC	78/04/10. MSI3	N15000	KRA616					
341	MSORT	OPL (64)	2311	7255	78/04/10.							
342	NOTE	OPL (64)	1723	2131	78/04/10.							
343	OPL EDIT OPL ED1	OPL (64) OPL ED2	25205 OPL ED3	3623 OPL ED4	75/03/20. OPL ED5	KRA352	OPL ED6	KRA611				
344	PACK PACK1	OPL (64)	1035	3066	76/01/11.							
345	PFATC PFATC1	OPL (64) PFATC2	10225 KRA116	5177 DOK13	73/05/24. KRA367	N14000	KRA556	KRAPFC				
346	PFCAT KRA556	OPL (64) KRAPFC	21026 KRAPFCA	0647 PFCAT1	78/04/10.							
347	PFCOPY PFCOP1 N14000	OPL (64) PFCOP2 KRA556	11642 PFCOP3 KRAPFC	3467 PFCOP4	73/05/24. PFCOP5	KRA099	PFCOP6	KRA116	KRA216	DOK13	KRA367	PFCOP7
348	PF DUMP PF DUM1	OPL (64) KRA556	55257 PF DUM2	1053 KRAPFC	78/04/10. PF DUM3	N15000						
349	PFILES KRA310	OPL (64) KRA393	15123 PFILES1	0220 N14000	76/10/27. KRAPFC	N15000						
350	PFLDAD KRA524	OPL (64) PFLDAD1	73014 KRA547	2315 KRA556	78/04/10. PFLDAD2	KRAPFC	KRAPFCC	KRA602				
351	PFS PFS1	OPL (64) KRA072	15361 PFS2	2274 K22000	73/05/24. KRA239	N12000	DOK13	N13000	PFS3	PFS4	N14000	
352	PROFILE PROF11	OPL (64) PROF12	61160 KRA393	5773 PROF13	76/09/21. N14000	PROF14	PROF15	PROF16	KRA590			
353	PURGALL KRA005	OPL (64) DOK05	4171 KRA088	6175 PURGA1	73/05/05. PURGA2	PURGA3	PURGA4					



REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS	79/10/30.	09.07.53.	PAGE	15		
354	QDUMP KRA368	OPL (64) KRA379	31251 QDUMP1	3513 QDUMP2	76/10/24. QDUMP3	N14000	KRA525	KRA540				
355	QFSP KRA541	OPL (64) KRA568	44030 QFSP1	7237 QFSP2	78/04/10. QFSP3	KRA584	KRA608	QFSP4				
356	QLOAD KRA330	OPL (64) KRA368	22534 KRA379	0276 QLOAD1	76/10/24. QLOAD2	N14000	KRA525	QLOAD3	KRA568			
357	QMOVE KRA368	OPL (64) KRA379	33306 N14000	0477 KRA525	76/10/24. KRA540	QMOVE1						
358	QREC	OPL (64)	20751	0634	79/05/10.							
359	RESEQ	OPL (64)	11612	1023	79/05/10.							
360	RESEX KRA508	OPL (64) RESEX1	74667 RESEX2	7532 KRA544	78/04/10. KRA544A	KRA544B	KRA572	RESEX3	RESEX4	RESEX5	RESEX6	
361	RESTART KRA025 RESTA8	OPL (64) RESTA1 RESTA9	10003 RESTA2 KRA255	0352 RESTA3 KRA267	73/09/25. RESTA4 RESTA10	RESTA3A KRA390	KRA110 KRA404	RESTA5 RESTA11	RESTA6 N14000	RESTA7 RESTA12	KRA125 KRA559	KRA127 RESTA13
362	ROUTE KRA384	OPL (64) DOK18	5745 N14000	4765	76/10/24.							
363	SETCORE	OPL (64)	713	2272	75/02/10.							
364	SFS K22000	OPL (64) SFS1	14514 N13000	4050 SFS2	73/05/24. KRA590							
365	SORT N13000	OPL (64) SORT1	3657	1454	76/01/11.							
366	SUBMIT SUBM11	OPL (64) SUBM12	13740 SUBM13	3654 SUBM14	75/04/20. SUBM14A	SUBM15	SUBM16					
367	SYSEDIT SYSED1	OPL (64) SYSED2	34635 SYSED3	4501 SYSED4	76/10/24. SYSED5	SYSED6	N14000	KRA538	SYSED7	SYSED8	SYSED9	N15000
368	TCOMND KRA233	OPL (64)	1027	7063	74/09/06.							
369	TDUMP TDUMP1	OPL (64) DOK05	6754 TDUMP2	2755 (TDUMP3)	73/05/05. TDUMP4	TDUMP4A	TDUMP5	TDUMP6	TDUMP7	TDUMP8		
370	TRMDEF	OPL (64)	5610	3212	79/05/10.							
371	VALNET K21006	OPL (64) N12000	4237 N13000	4562 N14000	73/05/05. KRA561	VALNE1						
372	VERIFY N14000	OPL (64) KRA524	15137 KRA554	2525 KRA563	77/03/16.							
373	VFYLIB	OPL (64)	11471	4675	79/05/10.							
374	(00)	SUM -	2305626	LIBRARY -	18							
375	(00)	SUM -	0	LIBRARY -	19							

REC	CATALOG NAME	OF OPL TYPE	FILE LENGTH	1 CKSUM	DATE	COMMENTS
376	CPUREL	OPL (64)	231	2064	79/05/10.	
377	(00)	SUM =	231	LIBRARY =	20	
378	CMRDECK KRA287	OPL (64)	224	2665	75/05/02.	
379	CMRINST CHRINI	OPL (64) N15000	1154	6701	78/04/10.	
380	IPRDECK KRA287	OPL (64) IPRDE1	205	4655	75/05/02.	
381	IPRINST	OPL (64)	706	0304	79/05/10.	
382	LIBDECK KRA287	OPL (64)	203	5151	75/05/02.	
383	MOVEPF	OPL (64)	72	6712	76/11/16.	
384	(00)	SUM =	3010	LIBRARY =	21	
385	GENHELP	OPL (64)	56	1375	73/05/05.	
386	GENVAL	OPL (64)	32	0362	76/01/14.	
387	(00)	SUM =	110	LIBRARY =	22	
388	EOR1	OPL (64)	3	7105	75/05/08.	
389	EOR2	OPL (64)	3	7105	75/05/08.	
390	EOR3	OPL (64)	3	7105	75/05/08.	
391	EOR4	OPL (64)	3	7105	75/05/08.	
392	EOR5	OPL (64)	3	7105	75/05/08.	
393	EOR6	OPL (64)	3	7105	75/05/08.	
394	EOR7	OPL (64)	3	7105	75/05/08.	
395	EOR8	OPL (64)	3	7105	75/05/08.	
396	EOR9	OPL (64)	3	7105	75/05/08.	
397	EOR10	OPL (64)	3	7105	75/05/08.	
398	(00)	SUM =	36	LIBRARY =	23	
399	OPL	OPLD	1361	3147	79/06/15.	
400	* EOF *	SUM =	6046755			

T0	0	COMDDIS COMPLDA DSD QFM 1DS 6DI ILS	COMDDSP COMPRJC ELM REC 110 6DP OMF	COMDSYS COMPSCA FDL RPV 1MB 6MD 1MR	COMMSE COMPSDN IMS SET 1MC PROFILE CMD211D	COMPANS COMPSEI LFM SFM 1MT 1TN COMPBKP	COMPCEA COMPORA MSM SFP 1RO 1TD CPD	COMPORA COMPSSF MTR STL 1SJ COMP3XD DDF	COMP2D COMPVMS Q26 TLX 1SP SMP QIS	COMPDT5 CIO PFM ORP 1TA 1TS Q26	COMPV5 CPM PFU 1AJ 1TO CHD TMG	COMPGBN DIS PPR 1CD 6DE 1ED 1LC
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T1	1	COMDDIS COMPCHA COMPRBB COMPSEI COMPVFN DSP PFM SFP ORF 1MB 6DE COMP3XD 1ED Q26	COMDDSP COMPCHX COMPRCB COMPSNT COMPVMS ELM PFU SLL ORP 1MC 6DI ADC ILS TMG	COMDSYS COMPORA COMPRCS COMPORA COMPWBB EXU PPR STL OVJ 1MT 6DP BAT OMF 1LC	COMMSE COMPCHI COMPCHI COMPCHI COMPCHI FOL QAC TLX 1AJ 1RI 6MD DOG 1MR	COMPACE COMPECX COMPREI COMPREI COMPSSE COMPWCB IMS QAP VEJ 1CD 1RO CONTROL DS1 CMD211D	COMPACS COMPECX COMPRNS COMPSSE COMPSTI CIO LFM QFM OAV 1CK 1SJ SYSEDIT SMP ABP	COMPANS COMPGBN COMPRSI COMPRSS COMPSTI CPM MSM RDM OAV 1CK 1SJ COMIIES WRM CPD	COMPCEA COMPGBN COMPRSI COMPRSS COMPSTI CPM MTR REC OBF 1DL 1SJ COMIIES 1TS CPD	COMPCLD COMPLDA COMPMRQ COMPSCA COMPSEI COMPUS5 DIO OSB RPV OBF 1DS 1TO 1TD ABC EYE	COMPCLX COMPMSD COMPSFE COMPVFC DSD Q26 SFM OFA 1MA 5ME 1TP XSP QIS
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T2	2	COMDDIS COMPMSD COMPVMS FDL QAC TLX 1CD 1SI 1TN WRM EYE	COMDSYS COMPRCB COMPWCB IMS QAP VEJ 1CK 1SJ COMITES 1TS QIS	COMMSE COMPRCS COMPWVE LFM QFM OAV 1DL 1SP 1TD CHD Q26	COMPACE COMPREI CIO CPM MSM RDM OBF 1DS 1TO COMP3XD 1ED VMO	COMPACS COMPECX COMPSFE COMPSFI DIO MTR OSB OUT 1IS 5ME BAT 1LS 1MR	COMPCHA COMPCHX COMPSFE COMPSFI DIO OUT SET OFA 1MA 6DE BAT 1MR	COMPV5 COMPSFN DIS Q26 SFM ORF 1MA 1MB 6DI DOG ABP	COMPECX COMPSSE DSD PFM SFP ORP 1MT 1RI SYSEDIT DS1 HFM CPD	COMPFAT COMPUP5 DSP PFU SLL OVJ 1RI 1TP XSP CPD	COMPGBN COMPUSS EXU PPR STL 1AJ 1RO COMIIES SMP DDF
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T3	3	COMDSYS COMPSEI CVL MTR SET ORF 1MT 1TD 1MR	COMPACE COMPSFE DIO OSB SFM OVJ 1AJ 1RO 1TP COMPBKP	COMPCLD COMPSFN DIS Q26 SFP 1AJ 1RO DOG ABP	COMPCHA COMPORA DSD PFM SFP 1CD 1SJ 1SP HFM CPD	COMPCHX COMPUP5 DSP PFU STL 1CJ 1SP HFM DDF	COMPFAT COMPUSS ELM SFP VEJ 1AJ 1RI SMP QIS	COMPRBB COMPVMS EXU QAC OAV 1RO 1TO WRM Q26	COMPRCB COMPWEI FDL QAP OAV 1IS 6DI 1TS TMG	COMPRCS COMPWVE IMS QFM RDM OBF 1MA 1MB COMIIES 1TN XSP 1LC	COMPRNS CIO LFM MSM RDM OBF 1MB 1TN XSP	COMPRSS CPM MSM REC ODF 1MC COMITES 1LS
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T4	4	COMDDIS DIO PPR OAV 1IS 6DE WRM 1LC	COMMSE DIS QFM OBF 1MA 6DI 1TS	COMPCLD DSD QFM OBF 1MB 6DP CHD	COMPCHA DSP RDM ODF 1MC 6MD XSP	COMPCHX ELM REC OVJ 1MT COMIIES 1ED	COMPFAT LFM SET 1AJ 1RI 1TN 1LS	COMPUSS MSM SFM 1CD 1RO COMITES 1MR	COMPVMS MTR SFP 1CJ 1SJ 1TD DDF	CIO OSB SLL 1DL 1SP DS1 QIS	CPM Q26 STL 1DS 1TA HFM Q26	CVL PFM OAV 1TO SMP TMG
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T5	5	COMDDIS COMPRCS	COMPACE COMPSCA	COMPCHI COMPSDI	COMPCKP COMPSDN	COMPCLD COMPSEI	COMPORA COMPSSE	COMPCHI COMPSSE	COMPCHX COMPSTI	COMPVMS COMPSUT	COMPDT5 COMPTGB	COMPFAT COMPTLB
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SYMBOL	VALUE	DECK REFERENCES.	COMPUSS	COMPVMS	COMPWSS	CIO	CPM	DIO	DIS	DSD	DSP	ELM	EXU
			FDL	IMS	LFM	MSM	MTR	OSB	O26	PFM	PFU	PPR	QAC
			QAP	QFM	RDM	REC	SET	SFM	SFP	SLL	STL	VEJ	QAU
			OAV	OBP	ODF	OFA	ORF	ORP	OVJ	IAJ	ICD	ICJ	ICK
			IDS	IIO	IIS	IMA	IMB	IMT	IRI	IRO	ISJ	ISP	ITA
			ITD	SME	6DI	6DP	COMIIES	ITN	COMITES	ITD	ITP	DS1	ITS
			CHD	XSP	IED	ILS	OMF	IMR	CPD	DDF	QIS	Q26	TMG
			ILC										
T6	6	COMDDIS	COMDDSP	COMPACE	COMPCEA	COMPORA	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC
		COMPRSS	COMPSCA	COMPSEI	COMPSENT	COMPORA	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC
		COMPWVE	CIO	CPM	DIO	DIS	DSD	DSP	EXU	FDL	IMS	LFM	COMPWSS
		MSM	MTR	OSB	O26	PFM	PFU	PPR	QAC	QAP	QFM	RDM	
		REC	SET	SFM	SFP	SLL	STL	VEJ	OAU	OAV	OBP	ODF	
		OFA	ORF	ORP	OVJ	IAJ	ICD	ICJ	ICK	IDS	IIO	IIS	
		IMA	IMB	IMT	IRI	IRO	ISJ	ISP	ITA	ITD	6DI	6DP	
		6MD	COMIIES	ITN	COMITES	ITD	ITP	DS1	WRM	ITS	CHD	XSP	
		IED	ILS	OMF	IMR	CPD	DDF	QIS	Q26	TMG	ILC		
T7	7	COMDDIS	COMPACE	COMPCEA	COMPORA	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC
		COMPSEI	COMPSCA	COMPSEI	COMPSENT	COMPORA	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC
		DSP	EXU	FDL	IMS	LFM	MTR	OSB	O26	PFM	PFU	DSD	
		PPR	QAC	QAP	QFM	RDM	REC	SET	SFM	SFP	SLL	STL	
		VEJ	OAU	OAV	OBP	ODF	ORP	OVJ	IAJ	ICD	ICJ	ICK	
		IDS	IIO	IIS	IMA	IMB	IMT	IRI	IRO	ISJ	ISP	ITA	
		ITD	SME	6DI	6DP	6MD	COMIIES	ITN	COMITES	ITD	ITP	DS1	
		WRM	ITS	CHD	XSP	IED	ILS	OMF	IMR	CPD	DDF	QIS	
		Q26	SPD	ILC									
CM	10	CPCOM	COMCMAC	COMCCVI	COMCIQP	COMDDIS	COMDDSP	COMDSYS	COMMSE	COMPANS	COMPEDI	COMPCEA	
		COMPCFP	COMPCIB	COMPCKP	COMPCLD	COMPCLX	COMPCHA	COMPCHX	COMPJOB	COMPORA	COMPORC	COMPCTI	
		COMPCUA	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	COMPORC	
		COMPLDA	COMPHRQ	COMPRCB	COMPRCS	COMPRES	COMPRJC	COMPRLS	COMPRSI	COMPSAF	COMPSCA	COMPSDI	
		COMPSSDN	COMPSEI	COMPSES	COMPSTI	COMPSTI	COMPSTI	COMPSTI	COMPSTI	COMPSTI	COMPSTI	COMPSTI	
		COMSSSF	COMSSSA	COMSSSI	COMSSSI	COMSSSI	COMSSSI	COMSSSI	COMSSSI	COMSSSI	COMSSSI	COMSSSI	
		COMSSACC	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	COMSSRU	
		ELM	EXU	FDL	IMS	LFM	MTR	OSB	O26	PFM	PFU	DSD	
		PPR	QAC	QAP	QFM	RDM	REC	RPV	SET	SFM	SFP	SLL	
		SLL	STL	TLX	VEJ	OAU	OAV	OBP	ODF	OFA	ORF	ORP	
		ORP	OVJ	IAJ	ICD	ICJ	ICK	IDL	IDS	IIO	IIS	IMA	
		IMB	IMC	IMT	IRI	IRO	ISJ	ISP	ITA	ITD	6DI	6DP	
		6DE	6DI	6DP	6MD	CATLIST	CONTROL	CPUMTR	CPUMTR	CPUMTR	CPUMTR	CPUMTR	
		MAGNET	MODVAL	PROFILE	QDUMP	QLOAD	QMOVE	QREC	RESTART	SFS	SYSEDT	COMIIES	
		ITN	IAFEX	COMITES	ITD	TELEX	ITP	DBFORM	TAF	COMCCOP	COMP3XD	ADC	
		BAT	DUG	DS1	HFM	SMP	WRM	ITS	DEMUX	DSDI	CHD	XSP	
		IED	ILS	OMF	IMR	XEDIT	CMO211D	COMPBKP	ABP	CPD	DDF	EYE	
		QIS	Q26	SPD	TMG	VMO	ILC						
LA	15	COMPREL	COMPRLI	DIS	DSD	IMS	O26	PPR	QAP	REC	OAU	OAV	
		OBP	OBP	ODF	OFA	ORF	ORP	OVJ	6DI	CPMEM	CPUMTR	PFLDAD	
		KTSOMP	ILS	OMF	CPD	QIS	Q26						
IR	50	COMPCIB	COMPCOB	COMPSAF	COMSPFM	CIO	CPM	CVL	DIO	DIS	DSP	ELM	
		EXU	FDL	IMS	LFM	MSM	OUT	O26	PFM	PFU	PPR	QAC	
		QAP	QFM	RDM	REC	RPV	SFM	SFP	SLL	STL	TLX	VEJ	
		OBP	OBP	IAJ	ICD	ICJ	ICK	IDL	IDS	IIO	IIS	IMA	

		1MB COMITES OMF VMO	1MC 1TD 1MR 1LC	1MT 1TP COMPBKP	1RI DOG ABP	1RO HFM CPD	1TA SMP DOF	1TO 1TS EYE	5ME DSDI QIS	CPUMTR CHD Q26	COMIIES XSP SPD	1TN 1LS TMG
RA	55	CETEXT COMPSTA DIS PPR VEJ 1SI 1TP OMF COMEJCA	CPCOM COMPUPP DSP QAC OBP 1TA TAF 1MR	COMDDIS COMPUS ELM QAP 1AJ 1TO COMSSTM ABP	COMPCIB COMPWBB EXU QFM 1CD CPUMTR HFM CPD	COMPCIX COMPWCB FDL RDM 1DS PF FILES SMP DOF	COMPCMA COMSJRO IMS RPV 1IO COMIIES 1TS QIS	COMPCOB COMSPFM LFM SFM 1IS 1TN DSDI Q26	COMPCUA CIO MSM SFP 1MA IAFEX CHD SPD	COMPRBB CPM O26 SLL 1MT COMITES XSP TMG	COMPRCB CVL PFM STL 1RI 1TD 1ED VMO	COMPSPA DIO PFU TLX 1RO TELEX 1LS 1LC
FL	56	CETEXT CIO MTR SET 1MT SYSEDIT 1TS TMG	CPCOM CPM O26 SFM 1RI 1TP MST COMKTLD	COMCMAC CVL PFM SFP 1RO TAF CHD 1LC	COMPCIB DIS PFU SLL 1SI COMCCDP XSP COMAUCR	COMPCIX DSD PPR STL 1SJ 1TA ADC CPD	COMPCMA DSP QAC TLX 1TA CONTROL DOG DOF	COMPCOB ELM QAP VEJ CPMEM DSI EYE	COMPRLS EXU QFM 1AJ CPMEM DSI QIS	COMPRSI FDL RDM 1DS CPUMTR HFM Q26	COMSEXP LFM REC 1IO FNTLIST SMP Q26	COMSMTX MSM RPV 1MA QFSP WRM SPD
ON	70	COMCMAC COMPVMS DIO OUT SET ORP 1MT 6DP PF FILES 1TD COMCCDP 1ED Q26	COMCWH COMPWBB DIS O26 SFM OVJ 1RI ACCFAM PFLoad TELEX DOG 1LS SPD	COMMSE COMPWEI DSD PFM SFP 1AJ 1RO CHKPT QDUMP COMBDBM HFM OMF TMG	COMPCVI COMPVSS DSP PFU SLL 1CD 1SI CONFIG QFSP COMBINT SMP 1MR COMAMSS	COMPMRQ COMPWVE ELM PPR STL 1CJ 1SJ CPMEM QMOVE COMKNAM 1TS MREC MAC2	COMPRBB COMSMSP EXU QAC TLX 1CK 1SP DAYFILE QREC COMKNWC XEDIT	COMPRCS COMSMTX FDL QAP VEJ 1DS 1TA DFTERM RESEQ 1TP DSDI COMPBKP	COMPSCA COMSSCR IMS QFM OAU 1IO 1TO EDIT RESEX DBFORM STIMULA ABP	COMPSDN CIO LFM RDM OBP 1IS 5ME MAGNET TRMDEF KTSOMP ABC CPD	COMPSSSE CPM MSM REC ODF 1MA 6DE MODVAL 1TN LIBTASK CHD DOF	COMPUS CVL MTR RPV ORF 1MB 6DI PF DUMP IAFEX TAF XSP QIS
HN	71	COMMSE EXU QFM 1IO COMITES TMG	COMPMRQ IMS REC 1IS 1TD	COMPSFI LFM SET 1MA 1TP	COMPVFC MSM SFM 1MT DSI	COMPVMS MTR SLL 1RI 1TS	COMSMSP O26 STL 1RO 1LS	CIO PFM VEJ 1TA OMF	CPM PFU 1AJ 6DE 1MR	DIS PPR 1CJ 6DP CPD	DSD QAC 1CK COMIIES DOF	DSP QAP 1DS 1TN Q26
TH	72	COMPCRA MSM 1AJ 1LS	COMPIRA PFM 1CJ OMF	COMPSCA PFU 1MB 1MR	COMPSEI QAC 1MT DOF	COMPSNT REC 1RI	COMPSRA RPV 1RO	COMPSSE SET 1TA	CIO SLL 1TO	CPM STL CPUMTR	DIO OAV 1TS	DSD ORF 1ED
TR	73	COMDDSP LFM REC 1CK 1TA CHD	COMMSE MSM SET 1DS 1TO 1MR	COMPWEI MTR SFM 1IO 5ME CMD211D	CIO O26 SFP 1IS 6DP COMPBKP	CPM PFM SLL 1MB RESEX ABP	CVL PFU STL 1MC 1TN QIS	DIO PPR OAU 1MT 1TD Q26	DSD QAC OBF 1RI 1TO DBFORM	DSP QAP 1AJ 1RO COMP3XD	FDL QFM 1CD 1SJ 1TS	IMS RDM 1CJ 1SP DEMUX

CP	74	COMCMAC	COMCCVI	COMDDIS	COMDDSP	COMPCLX	COMPCUA	COMPCCUN	COMP CVI	COMPRCS	COMP REI	COMPRLS		
		COMPRSI	COMPSFE	COMPSRU	COMPS SF	COMPUSS	COMPVMS	COMSACC	COMSEXP	COMSSRU	COMSIDS	CDMTVDT		
		CIO	CPM	CVL	DIO	DIS	DSD	DSP	ELM	FDL	IMS	LFM		
		MSM	MTR	OUT	Q26	PFM	PFU	PPR	QAC	QAP	QFM	RDM		
		REC	RPV	SET	SFM	SFP	SLL	STL	TLX	VEJ	OAV	OBF		
		OBP	ODF	OVJ	1AJ	ICD	ICJ	ICK	IDL	IDS	1IO	1IS		
		1MA	1MB	1MT	1RI	1RO	1SI	1SJ	1SP	1TA	1TO	CPUMTR		
		MODVAL	PFS	PROFILE	1TN	1TD	1TP	TAF	COMP3XD	ADC	BAT	DOG		
		DSI	HFM	SMP	WRM	1TS	DSDI	CHD	XSP	1ED	1LS	E200CP		
		1MR	CMD211D	COMPBKP	CPD	DDF	EYE	QIS	Q26	TMG	1LC			
		IA	75	COMPCRS	COMPMRQ	COMPHVE	DIO	DIS	DSD	IMS	LFM	MSM	Q26	PFM
				PPK	QAP	REC	RPV	SET	SFM	SFP	SLL	STL	1AJ	1DL
				IDS	1IO	1MB	1MC	1MT	1RI	1RO	1SJ	1SP	1TA	1TO
				COMITES	1TN	COMITES	1TD	SMP	1TS	1ED	1LS	COMPBKP	CPD	DDF
QIS	Q26			SPD										
DA	76	COMPMRQ	CIO	DIO	DIS	DSD	MTR	PPR	SET	STL	1AJ	1DL		
		1MT	1RI	1RO	6DE	6DI	1TN	1TO	COMP3XD	1LS	CMD211D	QIS		
MA	77	COMMSE	COMP CVI	COMP DTS	COMP SCA	COMP SFB	COMPUSS	COMP HVE	CIO	CPM	DIS	DSD		
		DSP	ELM	FDL	IMS	LFM	MSM	MTR	OUT	Q26	PFM	PFU		
		PPR	QAC	QAP	QFM	REC	RPV	SET	SFM	SFP	SLL	STL		
		TLX	VEJ	OAV	OAV	ODF	ORF	OVJ	1AJ	1CD	1CJ	1CK		
		IDS	1IO	1IS	1MA	1MC	1MT	1RI	1RO	1SJ	1SP	1TA		
		1TO	6DE	6DI	6DP	6MD	CPUMTR	RESEQ	1TN	IAFEX	1TD	TELEX		
		BDMI	DOG	SMP	1TS	XSP	1ED	1LS	OMF	1MR	MREC	CPD		
		DDF	QIS	Q26	TMG									

ETB	6	COMTVDT	DSDI										
SLM	106	COMMSE MTR 1TO	COMP CRA PFM 6DI	COMPRSS PFU 6DP	COMPSEI PPR OSDI	COMPSRA SLL 1MR	COMPWSS 1CJ CPD	COMPWVE 1CK DDF	CIO 1DS	IMS 1IS	LFM 1RO	MSM 1TA	
MSD	107	DIS Q26	026	PPR	SET	SFP	1CD	6DI	1TN	1TD	DSDI	QIS	
PPR	114	PPCOM LFM RDM 1CD 1RI 1TD XSP TMG	CIO MSM REC 1CJ 1RO 1TP 1ED VMO	CPM MTR RPV 1CK 1SI ADC 1LS 1LC	CVL OUT SFM 1DL 1SJ BAT 1MR	DIO 026 SFP 1DS 1SP 1TA DOG ABP	DIS PFM SLL 1IO 1TA DS1 CPD	DSP PFU STL 1IS 1TO HFM DDF	ELM PPR TLX 1MA 5ME SMP EYE	EXU QAC VEJ 1MB 6DI WRM QIS	FDL QAP 0BF 1MC CPUMTR 1TS Q26	IMS QFM 1AJ 1MT 1TN CHD SPD	
FTN	336	DSD	SLL	1MB	IAFEX	TELEX	DSDI	ACPD					
RCH	377	1AJ	COMITES	DSDI									
DCH	406	COMITES	DSDI	MST	TMG								
DFM	442	COMPSSE LFM REC 1CJ 1SI DOG 1MR	CALLINT MSM RPV 1CK 1TA DS1 CMD2110	CIO OUT SFM 1DS 5ME HFM CPD	CPM 026 SFP 1IO 6DI SMP DDF	CVL PFM SLL 1MA 6DP WRM EYE	DIS PFU TLX 1MA 1TN 1TS QIS	DSP PPR VEJ 1MB 1TO DSDI TMG	ELM QAC OAV 1MC 1TP CHD VMO	EXU QAP OAV 1MT COMP3XD XSP 1LC	FDL QFM ORP 1RI ADC 1ED COMZITM	IMS RDM 1AJ 1RO BAT 1LS	
EXR	476	CIO SFP	CPM ODF	DSP OVJ	IMS 1IO	LFM 1MT	PFU 1RO	PPR 1TA	QAC DSDI	QAP 1LS	QFM DDF	REC	
RDS	560	COMDDSP MTR OAV DOG	COMP ACE 026 ORF DS1	COMPRNS PFM ORP WRM	COMPRSS PFU 1CJ OSDI	COMPWVE PPR 1CK CHD	CIO QAC 1IS 1MR	DIS QFM 1MT DDF	FDL RDM 1TO EYE	IMS REC 6DI QIS	LFM SFM ADC Q26	MSM OAU BAT	
WDS	563	COMPWEI SFM 1RO	COMPWSS SLL 1TA	COMPWVE OAU 1TO	CIO OAV 6DI	IMS ORF DSDI	MSM ORP OMF	NTR 1AJ 1MR	PFM 1CJ CPD	PFU 1CK DDF	PPR 1DS	QAC 1IS	
PPFW	1100	COMSMSC LFM REC 1CJ 1RO 1TN 1TS TMG	CIO MSM RPV 1CK 1SI COMITES CHD VMO	CPM OUT SET 1DL 1SJ 1TD XSP 1LC	CVL 026 SFM 1DS 1SP 1TP 1ED	DIO PFM SFP 1IO 1TA BAT 1MR	DIS PFU SLL 1IS 1TO DOG 1MR	DSP PPR STL 1MA 6DI DS1 ABP	ELM QAC TLX 1MB 6DI HFM CPD	EXU QAP VEJ 1MC 6DP HFM DDF	FDL QFM 1AJ 1MT 6MO SMP EYE	IMS RDM 1CD 1RI COMITES WRM SPD	

MONITOR FUNCTIONS.

SYMBOL VALUE DECK REFERENCES.

CCHM	3	COMDDSP	COMDTFN	DSD	MTR	DDF	TMG						
DCHM	4	COMDTFN	DSD	MTR	PPR								
DEQM	5	COMDDSP ITN	COMDTFN COMITES	LFM ITD	MTR ITS	REC IED	ODF QIS	1CD Q26	1CJ	110	1MT	COMIIES	
DFMM	6	COMDTFN	MTR	PPR	1MT	TMG							
SEQM	10	COMDTFN 6DI	DSD	IMS	MSM	MTR	QAP	RDM	STL	1DS	110	1MT	
PRLM	11	COMDTFN	MTR	PPR	1MT	CPUMTR	1ED	TMG					
RCHM	12	COMDTFN	DSD	MTR	PPR	1MT							
REMM	13	COMDTFN	CPM	DIS	MTR	QIS							
REQM	14	COMDDSP Q26	COMDTFN	LFM	MTR	110	1MT	COMIIES	COMITES	1TS	1ED	QIS	
ROCM	15	COMDTFN 1DS	C10 1MA	CPM 1SJ	CVL 1SP	DIS 1TA	LFM QIS	MTR	PFM	SFP	1AJ	1CK	
RPRM	16	COMDTFN 1SI	CPM 1SP	DIS 1TA	MTR 1TP	Q26 SMP	1AJ CHD	1DS DDF	110 QIS	11S Q26	1MT TMG	1RI	
RJSM	17	COMDTFN	MTR	QFM	SFM	OVJ	1AJ	1DS	1SJ	1TA	1TP		
RSTM	21	COMDTFN 1RO EYE	COMPRES 1SJ	COMPRLS ADC	COMPRSI BAT	MTR DOG	REC DS1	SLL SMP	STL WRM	1AJ 1TS	110 1LS	1MT DDF	
DSRM	23	COMDTFN	DSD	MTR	1MB								
ECXM	24	COMDTFN	MTR	1RI	1RO								
TGPM	25	COMDTFN	MTR	1DS	1TO								
TSEM	26	COMDTFN 1TN	CPM IAFEX	MTR 1TO	RPV TELEX	TLX	1AJ	1DS	1RI	1RO	1TA	1TO	
DEPM	27	COMDTFN	COMMHSE	MTR	6DI	6DP							
DRCM	30	COMDTFN	C10	D10	MTR	1MT							
SCPM	31	COMDTFN	CPM	MTR									
EATM	32	COMDTFN CPD	COMPCUT	CPM	IMS	MSM	MTR	OFA	ORP	1DS	1MT	1SP	
DSWM	33	COMDTFN	MTR	1MT	6DI	6DP	6MD	TMG					
CPUM ABTM	36 36	COMPMRQ COMDTFN PFM	MTR CPM PPR	PPR CVL QAC	CPUMTR DIS QAP	DSP QFM	ELM RDM	EXU RPV	IMS SFM	LFM SFP	MSM SLL	Q26 TLX	



SYMBOL	VALUE	DECK REFERENCES.										
		VEJ	1AJ	1IS	1MA	1MB	1MT	1SI	6DI	CPUMTR	1TP	ADC
		BAT	DOG	DS1	SMP	WRM	1TS	CHD	XSP	1LS	1MR	DDF
		EYE	VMO	1LC								
CCAM	37	COMDTFN	DIO	QAC	REC	SLL	STL	1CK	1DS	1MT	1RO	1SJ
		1SP	1TA	CPUMTR	CPD							
CEFM	40	COMDDSP	COMDTFN	CALLINT	CIO	CPM	DIS	DSD	DSP	FDL	LFM	MTR
		026	PFM	PFU	PPR	QAC	QFM	RPV	SFM	SFP	1AJ	1CK
		1DS	1MA	1MT	1RI	1TA	CPUMTR	1TN	1TD	1ED	1LS	DDF
		QIS										
DCPM	41	COMDTFN	DIS	EXU	MTR	026	RPV	1AJ	1DS	CPUMTR	1TP	SMP
		1TS	CHD	1LS	QIS							
SFIM	42	COMDTFN	COMPSFI	DSD	SET	CPUMTR						
DTKM	43	COMDTFN	CIO	DSP	IMS	LFM	MSM	PFM	PFU	PPR	QFM	REC
		SFM	SFP	SLL	VEJ	ODF	ORP	1CJ	1CK	1DS	1IS	1RI
		1RO	1TA	1TO	CPUMTR	XSP	OMF	1MR	CPD	DDF		
DPPM	44	COMDTFN	CIO	CPM	CVL	DIO	DIS	DSP	ELM	EXU	IMS	LFM
		MSM	DUT	026	PFU	PPR	QAC	QAP	QFM	RDM	REC	RPV
		SFM	SFP	SLL	STL	TLX	VEJ	OBF	1AJ	1CD	1CK	1DL
		1DS	1IO	1IS	1MA	1MB	1MC	1MT	1RO	1SI	1SJ	1TA
		1TD	5ME	CPUMTR	1TN	1TD	1TP	ADC	BAT	DOG	DS1	HFM
		SMP	WRM	1TS	CHD	XSP	1ED	1LS	1MR	ABP	CPD	DDF
		EYE	QIS	Q26	SPD	TMG	VMO	1LC				
ECSM	45	COMDTFN	COMPOTS	COMPIFR	DIS	DSD	IMS	MSM	MTR	SFM	1AJ	1DS
		CPUMTR	OMF	1MR								
RCLM	46	COMDTFN	DIS	DSD	EXU	MTR	RPV	CPUMTR	1TN	1TD	CHD	QIS
RCPM	47	COMDTFN	DIS	EXU	MTR	RPV	STL	1AJ	1DS	1RI	1RO	CPUMTR
		1TP	HFM	SMP	1TS	CHD	CPD	QIS	TMG			
RDCM	50	COMDTFN	CPM	MSM	QAP	REC	SFM	1AJ	1MT	1TA	CPUMTR	1TN
		1TD	1TS	1LS								
IAUM	51	COMDTFN	COMPSUT	MSM	PFM	PFU	OAU	OAV	OFA	1TA	CPUMTR	1MR
ACTM	52	COMDTFN	CPM	OAU	1AJ	1CJ	1RI	1RO	1TA	CPUMTR		
RPPM	53	COMDTFN	DIS	DSD	MTR	026	STL	1CD	1IO	1MT	1SJ	CPUMTR
		1TN	1TD	DOG	SMP	1TS	1LS	DDF	QIS	Q26		
RSJM	54	COMDTFN	COMPRES	COMPRSI	QFM	1CK	1DS	1MB	1RO	1SJ	1SP	1TA
		CPUMTR										
RTCM	55	COMDTFN	CIO	DSP	IMS	LFM	MSM	PFM	PFU	PPR	QAP	QFM
		REC	SLL	VEJ	OBF	1CJ	1CK	1DS	1IS	1RO	1TA	1TO
		CPUMTR	1TP	XSP	OMF	1MR	CPD					
SFBM	56	COMDTFN	COMPSFB	CIO	PFU	ORF	1MT	CPUMTR	1LS	DDF		

STBM	57	COMDTFN COMPSUT RDM IIS	COMPCDI COMPTGB REC IRO	COMPFCP COMPTLB SFM ISJ	COMPCKP COMPUSS OAV ITA	COMPCRA CPM ODF 6DI	COMPCTI DSD OFA CPUMTR	COMPCUT IMS ORP ILS	COMPSDI MSM IAJ OMF	COMPSEI PFM ICJ IMR	COMPSES PFU ICK DDF	COMPSTI QFM IDS
UADM	60	COMDTFN QFM	CIO TLX	CPM ODF	DSD IAJ	DSP ICK	ELM IDS	FDL IMA	IMS IRI	LFM IRO	OUT CPUMTR	PFM
SPLM	61	COMDTFN	DIS	PPR	REC	SLL	STL	IAJ	IDL	CPUMTR	QIS	Q26
JACH	62	COMDTFN	REC	IAJ	ICJ	IRI	IRO	ISJ	CPUMTR			
DLKM	63	COMDTFN	PFM	REC	IIS	CPUMTR	ITP					
TDAM	64	COMDTFN CPUMTR	CIO CPD	LFM TMG	PFM	PFU	ORF	IAJ	IDS	IMA	IMT	IRI
TIDM	65	COMDTFN	IMT	CPUMTR								
RLMH	66	COMDTFN	COMPSRU	CPM	DIS	OAU	IAJ	IDS	IRI	IRO	CPUMTR	QIS
LCEM	67	COMDTFN	IAJ	CPUMTR								
CSTM	70	COMDTFN	IMS	SFM	ODF	IAJ	IMA	IRI	CPUMTR	CPD		
CKSM	71	COMDTFN	RPV	IAJ	IRI	CPUMTR						
LDAM	72	COMDTFN	COMSMSP	MTR	IIS	6DI	CPUMTR					
VMSM	73	COMDTFN	DSD	MSM	REC	ICK	SME	CPUMTR				
PIOM	74	COMDTFN	6DE	CPUMTR								
MXFM	76	COMDTFN OAV IRO	COMPSCA ODF ITA	COMPWSS OFA ITD	CIO ORF CPUMTR	LFM IAJ XSP	MSM ICD ILS	MTR ICJ	PFM ICK	QAP IIO	SFM IMA	STL IMT

CROSS REFERENCE OF OPL.  
CENTRAL MEMORY POINTERS.

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SYS. TEXT=NOSTEXT

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SYMBOL VALUE DECK REFERENCES.

RPLP	1	DSD	REC	SLL	STL	IAJ	ICK	DSDI				
PPCP	2	COMPMRO ABP	DIS CPD	DSD QIS	PPR	SET	STL	CPUMTR	COMIIES	COMITES	ITS	DSDI
PLDP	2	PPR	REC	SLL	STL	CPUMTR	DSDI					
DFPP	3	DIS ICJ	DSD ICK	IMS IRI	MSM IRO	MTR SME	PPR CPUMTR	REC DSDI	SET QIS	SFM	SLL	STL
JBCP	4	COMPRJC	CIO	DSD	PFM	SET	ISP	CPUMTR	IAFEX	TELEX	DSDI	
FNTP	4	COMPFAT PFM OAU ISJ Q26	COMPSAF PFU ODF ISP TMG	CIO QAC ODF ITA	CPM QAP ORF CPUMLO	DIS OFM IAJ CPUMTR	DSD REC ICJ ENQUIRE	DSP SET ICK DSDI	FDL SFM IDS ILS	LFM SFP IMT CPD	OUT SLL IRI DDF	026 STL IRO QIS
ESTP	5	COMDDSP MSM ICJ CPUMTR ITD	COMPCFP MTR ICK ENQUIRE ITP	COMPSCA PFM IDS MSI COMP3XD	COMPSDN PPR IIO PFCAT ITS	COMPSFE RDM IMT PFDUMP DSDI	COMPVMS REC IRO PFLOAD IED	CVL SET ISJ PFS MREC	DIS SFM ISP RESEX CPD	DSD SFP 6DE COMIIES QIS	EXU SLL BLANK ITN Q26	LFM STL CONFIG COMITES MAC2
LBDP	6	CPM	FDL	LFM	REC	SLL	DSDI					
MSAP	6	DSD	SET	CPUMTR	CPD							
CLDP	7	COMPCLO	EXU	LFM	REC	SLL	STL	OVJ	IAJ	CPUMTR	DSDI	
PXPP	62	COMPMRO	PPR	CPUMTR	DSDI							



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CENTRAL MEMORY LOCATIONS.  
SYMBOL VALUE DECK REFERENCES.

STLL	15	COMPSCA SLL PFDUMP	COMPSON ORP PFL0AD	COMPSFE 1CK RESEX	COMPVMS 1DS DSDI	DSD 1IS OMF	IMS 1MT 1MR	MSM 1SP	PFM CONFIG	RDM CPUMTR	REC MSI	SET PFCAT
DDLL	16	COMPVMS 1IS MREC DSDI	CVL CONFIG	DSD CPUMTR	IMS MSI	MSM PFCAT	MTR PFDUMP	PFM PFL0AD	RDM QFSP	REC RESEX	SET DSDI	1CK 1MR
IN6L	16											
ISLL	17	MSM	DSDI									
IN7L	17	DSDI	SPD									
MSTL	20	COMPORA PFM CPUMTR DDF	COMPOTS REC MSI	COMPIRA SET PFCAT	COMPSCA SLL PFDUMP	COMPSEI OAV PFL0AD	COMP\$NT ORF PFS	COMPORA 1CK QFSP	COM\$LSD 1DS RESEX	CIO 1RO OMF	IMS 1TA 1MR	MSM CONFIG MREC
CMRL	20	COMPCHX	MTR	1SJ	DSDI	CPD						
JSNL	22	DSD	MTR	REC	SET	DSDI	QIS					
ACML	23	COMDSYS	1SJ	DSDI	CPD	QIS						
AECL	23	DSDI	CPD									
MSCL	24	DSD	MTR	SET	CPUMTR	DSDI						
ECRL	25	COMPECX CPD	DIS	MTR	REC	SET	1MC	1SJ	1SP	CPUMLD	CPUMTR	DSDI
JDAL	26	DSD	MTR	1MT	DSDI							
PDTL	27	COMPUSS REC	COMPWEI SFM	COMPWSS VEJ	COMPWVE OAU	DSD ORP	MSM 1TA	MTR CPUMTR	PFM DSDI	PFU XSP	PPR	QAP
TIML	30	COMDSYS SMP	DSD DSDI	MTR 1LS	QAP CPD	SET QIS	SFM	OBP	1DS	1MB	1TA	CPUMTR
DTL	31	CPM QIS	DSD	REC	SET	SFM	OBP	1CJ	1TA	SMP	DSDI	1LS
JSCL	40	DSD	MSM	REC	SET	1CK	1SJ	1SP	CPUMTR	DSDI	CPD	
IPRL	42	CVL 1TO	026 BLANK	SET CPUMTR	OVJ QFSP	1AJ RESEX	1CD 1TN	1DS 1TO	1TO DSDI	1MT 1EO	1RO CPD	1TA
SSTL	43	COMPORA OVJ QFSP	CPM 1AJ DSDI	DIS 1CK DDF	DSD 1DS QIS	MSM 1MA 1LC	MTR 1MB MAC2	PFM 1MC	QFM 1SJ	REC 1SP	SET CPUMLD	SLL CPUMTR
SSCL	44	COMPCHX	DSD	REC	TLX	1AJ	1DS	1SJ	1SP	CPUMTR	DSDI	
PPAL	50	MTR	PFU	1IO	1MT	1SJ	1TA	CPUMTR	DSDI	CPD		
MSEL	52	PPR	DSDI									
CMCL	57	DSD CH0211D	MTR CPD	PPR QIS	SET TMG	1CD	1MT	CPUMLD	CPUMTR	COMP3XD	DSDI	1EO



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CENTRAL MEMORY LOCATIONS.  
SYMBOL VALUE DECK REFERENCES.

CTILL	6	PPCOM DDF	COMSYS QIS	COMPVMS ACPD	MTR	STL	COMIIES	COMITES	DSOI	CMD211D	COMSCPD	CPD
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SYMBOL	VALUE	DECK REFERENCES.										
IN6W	46	DSDI	COMPBKP									
IN7W	47	DSDI	COMPBKP									
SRUW	50	CPM ENQUIRE	DIS DSDI	DSD	QAC	1AJ	1CJ	1RI	1RO	1SP	1TA	CPUMTR
ACTW	50	PPCOM	CPM	1AJ	1CJ	1MA	1TA					
CPTW	51	CPM SMP	SET DSDI	SFM CPD	STL QIS	1AJ	1CJ	1RI	1SP	1TA	CPUMTR	ENQUIRE
IOAW	52	CIO	FDL	PFM	1AJ	1MA	CPUMTR	ENQUIRE	DSDI			
ADAW	53	CPM	ENQUIRE	DSDI								
MP1W	53	1TA	CPUMTR	DSDI								
MP2W	54	CPUMTR	DSDI									
MP3W	55	CPM	CPUMTR	DSDI								
STLW	56	COMPSRU DSDI	CPM	DIS	DSD	SET	STL	1AJ	1SJ	1TA	CPUMTR	ENQUIRE
SRJW	57	CPM	1RO	1SJ	1TA	CPUMTR	ENQUIRE	DSDI				
CPJW	60	CPM	1AJ	1CJ	1SJ	1TA	CPUMTR	ENQUIRE	DSDI	QIS		
FPFW	61	COMPSRU	CPM	1AJ	1CJ	1RI	1RO	1SP	1TA	CPUMTR	DSDI	
FLCW	62	COMPRSI 1SJ	CPM 1TA	DIS CPUMTR	MSM ENQUIRE	1AJ 1TP	110 DSDI	11S 1LS	1MA QIS	1MT	1RI	1RO
ELCW	63	COMPRES DSDI	CPM	DIS	1AJ	1MA	1RI	1RO	1SJ	1TA	CPUMTR	ENQUIRE
SSCW	64	CPM	DSD	REC	1AJ	1DS	1RI	1RO	1SP	CPUMTR	DSDI	
T10W	65	CIO	CPM	TLX	1RI	1RO	DSDI					
T1AW	65	RPV	TLX	1AJ	1RI	DSDI						
LOFW	65	1AJ	1RO	CPUMTR	DSDI							
TXSW	65	COMPSSF	1RI	1RO	ENQUIRE	DSDI						
PFCW	66	COMPSFE SFM DFTERM	COMPUSS STL ENQUIRE	CIO OAV RESEX	CPM 1AJ DSDI	DIS 1CJ ODF	DSP 1RI QIS	LFM 1RO	MSM 1SJ	PFM 1TA	QFM BLANK	REC CPUMTR
UIDW	67	COMPCUN OVJ	COMPUSS 1AJ	COMSSSJ 1CJ	CPM 1RI	DIS 1SI	DSP 1TA	LFM ENQUIRE	MSM DSDI	PFM QIS	QFM	SFM
TINW	70	CIO	1RI	1RO	DSDI							
EECW	70	PPCOM	CPM	DIS	RPV	TLX	1AJ	1RI	1RO	DSDI		
TERW	71	CPM	DIS	PFM	SFM	1AJ	1DS	1RO	DSDI			
TFSW	71	COMPUSS ODF CPD	CPM 1AJ QIS	DIS 1CJ	DSD 1DS	DSP 1RI	LFM 1RO	PFM 1SJ	QAC 1TA	QFM CPUMTR	REC RESEX	STL DSDI

CROSS REFERENCE OF OPL. CONTROL POINT AREA WORDS. SYMBOL VALUE DECK REFERENCES.		OPL FILE-OPL		SYS. TEXT=NOSTEXT		NOS 1-9E07T/R4A.		79/10/30. 15.07.22.		PAGE 16		
CSPW	72	COMPRCS IRI ILS	CPM IRO QIS	DIS ISI	DSD ISJ	LFM ISP	MSM ITA	REC ENQUIRE	SFP ITN	IAJ ITD	IIS ITP	IMT DSDI
CSSW	73	DIS	LFM	IAJ	ICJ	IRI	ITA	CPUMTR	DSDI			
RFCW	74	CPM ISJ	DIS ITA	PFM CPUMTR	QAC ENQUIRE	REC RESEX	ODF ITP	IAJ DSDI	ICJ	IDS	IMA	IMT
ALMW	75	COMPUSS IRI	COMSSSJ IRO	CPM ISJ	DSP ITA	LFM CPUMTR	QFM DSDI	SET	SFM	STL	OBF	IAJ
ACLW	76	COMSSSJ IAJ	CIO IMA	DSP IRI	ELM ISJ	LFM ENQUIRE	QUT DSDI	PFM	QFM	SET	STL	ODF
AACW	77	COMPCUA CPUMTR	COMSSSF DSDI	COMSSSJ	CPM	LFM	PFM	SET	STL	IRI	ISJ	ITA
ICAW	100	IMT	CPUMTR	ITN	ITD	ITP	DSDI					
SEPW	101	COMPCUA SFP HFM	COMPUSS SLL DSDI	CIO VEJ QIS	CPM OBF	DIS IAJ	DSD IIS	DSP IMA	LFM IRI	PFM IRO	QFM ITA	SFM CPUMTR
SPCW	102	PPCOM CPUMTR	CVL DSDI	DIS QIS	DSD	LFM	PFM	SFP	IAJ	IDS	IRI	IRO
JCDW	103	CPM	IRI	ENQUIRE	DSDI							
JCRW	104	CPM	IAJ	IRI	CPUMTR	ENQUIRE	DSDI					
DBAW	105	CPM	DSD	Q26	IAJ	IDS	IMA	IRI	IRO	CPUMTR	DSDI	QIS
LB1W	106	CPM	FDL	IRI	CPUMTR	ENQUIRE	DSDI	Q26				
LB2W	107	PPCOM	FDL	IRI	DSDI							
LB3W	110	CPM	FDL	IRI	DSDI							
PPDW	111	CIO	IAJ	IRO	DSDI							
SSDW	112	REC	IAJ	IRO	CPUMTR	DSDI						
CPLW	113	SET	STL	IAJ	ISJ	CPUMTR	DSDI					
CSBW	130	COMPRCS IRO	COMSBIO ISI	DIS ISJ	DSD CPUMTR	LFM ITP	MSM DSDI	SFP ILS	IAJ QIS	IIS	IMT	IRI
MSFW	556	COMPMSD 6DI	DIO 6DP	DIS QIS	MTR Q26	Q26	PPR	REC	SLL	STL	ICD	6DE
EPFW	7500	COMMMSE IAJ	COMSMSP ICJ	CPM IDL	DSP IMC	PFM IRO	PPR ITA	QAC ITD	QFM 6DI	REC 6DP	SLL CPD	STL

CROSS REFERENCE OF OPL.  
CONTROL POINT AREA WORDS.

OPL FILE=OPL

SYS. TEXT=NOSTEXT

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SYMBOL VALUE DECK REFERENCES.

ACTWE	54	PPCOM		
CSBWE	200	DIS	1RI	CPUMTR
ACTWL	4	CPM	1CJ	1TA



CROSS REFERENCE OF DPL. FILE TYPES, AND MASS STORAGE CONSTANTS. SYMBOL VALUE DECK REFERENCES.		OPL FILE-OPL CONSTANTS.			SYS. TEXT=NO TEXT			NOS 1-9E07T/R4A.		79/10/30. 15.07.22.		PAGE 19	
INFT	0	PPCOM SET CPUMTR ILS	COMPUSS STL ENQUIRE CPD	COMSIOQ VEJ FNTLIST QIS	CIO ODF LDI	DSD IDS QDUMP	DSP IMA QLOAD	LFM IRI QMOVE	QAC ISJ QREC	QAP ISP IAFEX	QFM ITA TELEX	REC CONTROL XSP	
ROFT	1	PPCOM IRO CPD	DSD ISJ QIS	QAC ISP	REC ITA	SFM CPUMTR	ODF ENQUIRE	IAJ QLOAD	ICJ QMOVE	IDS QREC	IMA IAFEX	IRI TELEX	
PRFT	2	CPCOM QAP QLOAD	PPCOM QFM QMOVE	COMCVFE REC QREC	COMPUSS SFP ILS	COMSIOQ OBF QIS	CIO ODF	DSD ICJ	DSP ISP	LFM CONTROL	OUT ENQUIRE	QAC FNTLIST	
PHFT	3	CPCOM QAP QLOAD	PPCOM QFM QMOVE	COMCVFE REC QREC	COMPUSS SFP ILS	COMSIOQ OBF	CIO ODF	DSD ICJ	DSP ISP	LFM CONTROL	OUT ENQUIRE	QAC FNTLIST	
TEFT	4	PPCOM CPUMTR	DSD ENQUIRE	QAC	REC	ODF	IAJ	IDS	IMA	IRO	ISP	ITA	
S1FT	5	COMCVFE	COMSIOQ	DSP	QFM	REC	SFM	ODF	QLOAD	QMOVE	QREC		
S2FT	6	COMSIOQ	DSP	QFM	REC	SFM	ODF	QLOAD	QMOVE	QREC			
S3FT	7	COMCVFE	COMSIOQ	DSP	QFM	REC	ODF	QLOAD	QMOVE	QREC			
LIFT	10	IMS IIS	LFM ITA	MSM CHKPT	PFM CONTROL	PFU ENQUIRE	QFM RESTART	REC	SFM	SLL	STL	ODF	
OUFT	10	DSD	DSP	LFM	MSM	QFM	ISP	CHKPT	COMSCPD	CPD	DDF	ACPD	
PTFT	11	CIO PFILES	LFM IAFEX	PFM TELEX	REC XEDIT	ODF	IAJ	IRO	ITA	CHKPT	CONTROL	ENQUIRE	
PMFT	12	CIO CONTROL DDF	FDL ENQUIRE Q26	LFM PACK	MSM RESEQ	PFU RESTART	PFU SORT	REC DBFORM	SFM LIBTASK	SFP IMR	ODF XEDIT	CHKPT CPD	
FAFT	13	PPCOM ENQUIRE	COMPAT QLOAD	MSM QMOVE	PFU QREC	REC IMR	SFM	ODF	ORF	IDS	IMT	CPUMTR	
SYFT	14	IMS QREC	MSM IMR	REC	SET	SFM	SLL	ODF	ICK	ENQUIRE	QLOAD	QMOVE	
LOFT	15	CIO ICJ CPD	DSD IIS Q26	DSP IMT	LFM IRO	PFM ITA	QFM CHKPT	REC CONTROL	SLL ENQUIRE	STL QLOAD	OBF QMOVE	ODF RESTART	
CMFT	16	CIO CONTROL	DSD ENQUIRE	LFM RESTART	QAC ILS	REC CPD	SET Q26	SLL	ODF	IAJ	IMA	CHKPT	
MXFT	17	COMPSS	CIO	LFM	QFM	REC	ODF	ICJ	CONTROL	ENQUIRE	QLOAD	ACPD	
FSMS	1	COMPRSS QFM IRI	COMPSS SFM IRO	CIO SFP ITA	DSD SLL PFLDAD	DSP STL IAFEX	EXU OAV TELEX	FDL IAJ XSP	LFM ICD ILS	MSM ICJ IMR	PFM IDS	QAC IIS	

CROSS REFERENCE OF OPL.  
 FILE TYPES, AND MASS STORAGE CONSTANTS.  
 SYMBOL VALUE DECK REFERENCES.

SYS. TEXT=NOSTEXT

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BFMS	6776	PPCOM COMSSSE PFU ORF IRO OMF	COMPRCS COMSWEI QAC ORP ISJ IMR	COMPRSS CIO QAP IAJ ITA DDF	COMPUSS DSP QFM ICJ SME	COMPWEI EXU RDM ICK 6DI	COMPWSS FDL REC IDS 6DP	COMSDSL IMS SFM LIO QDUMP	COMSIOQ LFM SLL IIS QLOAD	COMSJRO MSM STL IMA QMOVE	COMSLSD MTR VEJ IMT XSP	COMSPFM PFM OBP IRI ILS
FNSS	7000	COMPRSS QAC IRO	COMPUSS QAP ITA	COMPWSS QFM QDUMP	COMSWEI REC QLOAD	CIO SFM QMOVE	DSP SLL XSP	IMS VEJ IMR	LFM ICJ DDF	MSM ICK	PFM IDS	PFU IMA
EQSS	7005	COMPWSS	COMSPFM	DSP	PFM	SFM	VEJ	QLOAD	QMOVE			
FTSS	7006	COMPRSS ITA	COMPWSS	COMSPFM	MSM	PFM	PFU	QFM	RDM	REC	ORP	IIS
NSSS	7007	COMPRSS	COMPWSS	PFM	DDF							
FASS	7011	COMPUSS ICJ	COMPWSS IDS	CIO IRO	DSP	LFM	OUT	PFM	QFM	SFM	SLL	VEJ
DTSS	7012	COMPWSS	MSM	PFM	REC	QLOAD						
ESTS	515	COMDDSP EXU REC IAJ 6DP	COMPDTS FDL SFM ICD ITS	COMPFAT IMS SFP ICJ XSP	COMPSCA LFM SLL ICK ILS	COMPSDN MSM STL IDS IMR	COMPSSE PFM VEJ LIO CPD	COMPUSS PFU OAV IIS DDF	CIO PPR OBF IMT THG	CPM QAC ODF IRI	DIS QAP ORP ITA	DSP QFM OVJ ITO
TRTS	7777	COMPCRA ITA	COMPSCA IMR	COMPSEI DDF	COMPSNT	COMPSRA	CIO	PFM	REC	SLL	IDS	IRO

CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT=NOSTEXT NDS 1-9E07T/R4A. 79/10/30. 15.07.22. PAGE 21  
 JOB ORIGIN TYPES, QUEUE TYPES, AND PRIORITIES.  
 SYMBOL VALUE DECK REFERENCES.

SYOT	0	COMPCUA QFM 1MT PROFILE QIS	COMPUS REC 1SI QDUMP Q26	CPM SET 1SJ QFSP 1LC	CVL STL 1SP QMOVE	DSD OBP ACCFAM QREC	DSP 1AJ CONTROL RESEX	IMS 1CJ CPUMTR ROUTE	LFM 1DS FNTLIST 1TP	PFM 110 ISF 1LS	QAC 1IS MAGNET MREC	QAP 1MA MODVAL CPD
BCOT	1	COMPUS 1AJ SUBMIT	CIO 1CD TAF	DSD 1CJ	DSP 110	LFM CONTROL	OUT FNTLIST	QAC LDI	QAP QDUMP	QFM QLOAD	VEJ QMOVE	OBP ROUTE
E1OT	2	COMCVFE CONTROL E200CP	COMPUS FNTLIST	DSD QDUMP	DSP QLOAD	LFM QMOVE	QAC QREC	QFM ROUTE	VEJ SUBMIT	OBP TAF	1AJ XSP	1CJ 1LS
TXOT	3	COMPCMX OBF CONTROL TRMDEF	COMPUS OBP CPMEM IAFEX	CIO 1AJ CPUMTR TELEX	CPM 1DS L072 DSDI	DSD 1RI MODVAL XEDIT	LFM 1RO PFILES	OUT 1SP QLOAD	QFM 1TA QMOVE	REC CATALOG QREC	RPV CATLIST RESEX	TLX CHKPT SUBMIT
MTOT	4	COMPCMX	OBP	1AJ	1RO	1TA	IAFEX	TELEX				
MXOT	5	COMPCMX 1SP	CPM DSDI	DSD COMSCPD	DSP CPD	MTR QIS	QFM ACPD	SFM	OBP	1AJ	1CJ	1SJ
TROT	6	TAF										
INOT	0	DSP	QFM	OVJ	1DS	1RI	1SJ	1SP	1TA	QMOVE	QREC	DSDI
ROOT	1	CPM	1MA	1RI	1SJ	1SP	1TA	DSDI				
OTOT	2	CIO DSDI	DSP 1LS	LFM	OUT	QAC	QAP	REC	1CJ	1SP	QMOVE	QREC
MXOT	3	DSD	1SP									
MNPS	100	CPM	DSD	MTR	SET	1RI	1SJ	1SP	QMOVE	QREC	CPD	
MXPS	7760	COMPCMA SET 1SP SYSEDIT LOADBC	CPM STL BLANK SMP	DIS VEJ CPUMTR SCRSIM	DSD OVJ INSTALL STIMULA	DSP 1AJ ISF MREC	MTR 1CK LDI COMSCPD	O26 1DS MODVAL CPD	PFM 1IS PFS DOF	PPR 1MA PROFILE QIS	QAC 1RI QFSP Q26	REC 1SJ RESEX ACPD

CROSS REFERENCE OF OPL. ERROR FLAGS.		OPL FILE=OPL	SYS. TEXT=NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	22					
SYMBOL	VALUE	DECK REFERENCES.										
ARET	1	RPV	1AJ	CONTROL	CPUMTR							
PSET	2	RPV	1AJ	CONTROL	CPUMTR							
PPET	3	CALLINT ITD	FDL	026	PFU	RPV	1AJ	1MT	1RI	CONTROL	CPUMTR	1TN
CPET	4	RPV	1AJ	CONTROL	CPUMTR							
PCET	5	RPV	SFP	1AJ	CONTROL	CPUMTR						
TLET	6	RPV	1AJ	1RI	CONTROL	CPUMTR	TAF					
FLET	7	DSP	LFM	PFM	QFM	RPV	SFM	1AJ	CONTROL			
TKET	10	PFM	RPV	1AJ	CONTROL							
SRET	11	RPV	1AJ	1RI	CONTROL	CPUMTR						
FSET	12	DIS	RPV	1AJ	1MA	1RI	CONTROL	CPUMTR	QIS			
ODET	13	COMDDSP MAGNET	CIO IAFEX	DSD TELEX	QAC COMKNAM	RDM COMKNWC	RPV 1MR	1AJ MREC	1CK COMBKP	1MT ABP	1RI QIS	CONTROL Q26
SPET	14	CIO	1AJ	1MT	1MR							
RRET	14	COMDDSP	RPV	1AJ	1DS	CONTROL						
OKET	15	COMDDSP	DSD	RPV	1AJ	CONTROL						
SSET	16	RPV	1AJ	1RI	CONTROL	COMKNAM	COMKNWC					
ECET	17	MTR	RPV	1AJ								
PEET	20	MTR	RPV	1AJ	1CJ	1CK	1MB	1RO	CONTROL	CPUMTR		
SYET	21	CPM	DSP	PPR	QFM	RPV	1AJ	1CK	1MA	1RI	1TA	CONTROL
ORET	22	COMPSDI ORP	COMPSFI 1AJ	DSD 1CJ	PPR 1MA	QFM 1RI	RDM CONTROL	RPV	SFM	0AU	0AV	ORF
MXET	23	RPV	1AJ									
TIET	40	RPV	1RI	PFCAT	PFDUMP	PFL0AD						



MISCELLANEOUS.		DECK REFERENCES.											
SYMBOL	VALUE												
CHMC	0	COMSDSL											
ECSY	0	PPCOM	REC	SET									
WLSF	0	COMPWEI	COMPWSS	CIO	IMS	MSM	PFM	PPR	OAC	SFM	OAU	OAV	
		ORF	ORP	1AJ	1CJ	1CK	1IS	1TA	6DI	1MR	DDF		
CPNS	1	PPCOM	COMSDSL	REC	SET								
NOPE	3	CVL											
SVJT	3	COMPCMX	CPM	DSD	SET	1RI	1SJ	1SP	1TA	1AFEX	TELEX	DSDI	
NSJC	5	CHARGE											
PFCT	5	CIO	DSD	PFM	DSDI								
MXJC	6	CPM	DSD	SET	1RI	1SP							
CHDS	10	COMSDSL	CALLDIS	DIS	MTR	026	IDL	ADC	BAT	DOG	DSI	WRM	
		CHD	DDF	EYE	QIS								
FECT	14	DSP	LFM	OBF	1AJ	1RI	1TA						
FNCT	15	DSD	LFM	PFU	OAC	SLL	1AJ	1DS	1SP	1TA	1LS		
CHSC	16	COMSDSL	MTR	SLL	1AJ	1MB	HFM	CPD					
NMSD	40	COMSQFS	MSM	MTR	REC	SET	SLL	1IS	1SJ	CONFIG	CPUMTR	DFTERM	
		MSI	PFCAT	PFDUMP	PFLOAD	QFSP	QREC	RESEX	SYSEDT	DSOI	MREC	COMSCPD	
		CPD	ACPD	MAC2									
TTEQ	75	LFM	SET	OBF	1RO	1TA	COMIES	COMITES					
TEEQ	76	LFM	SET	TMG									
NEEQ	77	REC	SET	STL	1IS								
MPRS	100	DSD	SET	1SJ									
DLYA	112	MSM	PPR	1CD	1DS	1MT	TMG						
CPAS	200	DIO	DSD	MSM	REC	SET	SLL	CPUMTR	DSDI				
EEMC	7007	DIS	STL	1AJ	1SJ	1TA	CONTROL	CPUMTR					
MCMX	10000	CPM	DIS	026	1AJ	1MA	1RI	1RO	1SP	ACCFAM	CPUMTR		
WCSE	300000	COMPWSS	COMPWVE	CIO	IMS	MSM	PFM	PFU	PPR	SFM	SLL	1CJ	
		1CK	1DS	1RO	1TA	1TO	CPD						

CROSS REFERENCE OF DPL. COMMON DECK CALLS. DECK	OPL FILE=OPL DECK REFERENCES.	SYS. TEXT=NUSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	24
CMO211D	CALLQIS QIS Q26					
CMT211D	CALLQIS QIS Q26					
COMABZF	BZFILL ZSETFET ASDEF	ASLABEL	ASMOVE	EXINIT		
COMACHN	CATACC					
COMACMD	ASINIT CATACC MAPACC	ASLABEL	ASUSE	ASVAL	EXINIT	
COMACMS	CATACC MAPACC ASDEF	ASLABEL	ASUSE	ASVAL		
COMACPR	ASLABEL ASMOVE ASVAL	EXINIT				
COMADRW	ASLABEL					
COMAFET	CATACC MAPACC ZSETFET	ASMOVE	EXINIT			
COMAKDA	**NONE**					
COMAKDD	**NONE**					
COMALBL	ASLABEL					
COMALRQ	**NONE**					
COMAMAP	MAPACC ASLABEL ASUSE	ASVAL				
COMAMAT	EXINIT					
COMAMCT	CATACC MAPACC ASLABEL	ASUSE	ASVAL	EXINIT		
COMAMSS	ASINIT BZFILL ASVAL EXINIT	CATACC MAPACC	RFORM	ZFILL	ZSETFET	ASDEF ASLABEL ASMOVE ASUSE
COMAOVL	**NONE**					
COMAPFP	CATACC ASDEF ASLABEL	ASMOVE	ASUSE	ASVAL	EXINIT	
COMASNS	ASLABEL					
COMASPC	**NONE**					
COMATDM	ASMOVE EXINIT					
COMAUCR	ASLABEL ASMOVE ASVAL	EXINIT				
COMAUDT	EXINIT					
COMBACH	DBFORM TAF	BDMI				
COMBACT	DBFORM TAF	BDMI				
COMBBCT	DBFORM TAF	BDMI				
COMBDBH	TAF	BDMI				

COMBELP	DBFORM	TAF	BDMI								
COMBINT	TAF	BDMI									
COMBSCT	DBFORM	TAF	BDMI								
COMCARG	CATALOG MODVAL TDUMP MST	CATLIST MSI VALNET STIMULA	CONVERT OPLEDIT VERIFY UPMOD	DOCUMENT PFATC IAFEX DFSORT	ENQUIRE PFCAT DATADEF XEDIT	FCOPY PFILES DATAMAP CKMS	ISF PFLOAD DBFORM MODLIST	KRONREF PFS LIBTASK RUNCPD	LIBGEN PURGALL TAF ACPD	LO72 RESTART DEMUX LOADBC	MODIFY SYSEDIT SDSI
COMCARM	CONTROL	COPYB	DAYFILE	EDIT	PROFILE	TRMDEF	ASARG				
COMCCCE	PFATC	PFCOPY	PFDUMP	PFLOAD							
COMCCDD	CATALOG FCOPY PFCOPY RESEX KTSOMP MODLIST	CATLIST FNTLIST PFDUMP RESTART LIBTASK MAC1	CHKPT KRONREF PFLOAD SYSEDIT TAF	CONTROL LISTLB PFS TDUMP BDMI	CONVERT MAGNET PROFILE VALNET TERMDEF	COPYB MFILES QDUMP VERIFY DEMUX	COPYC MODIFY QFSP IAFEX SDSI	DAYFILE MODVAL QLOAD TELEX LPT	DFTERM OPLEDIT QMOVE DATADEF STIMULA	EDIT PFATC QREC DATAMAP MREC	ENQUIRE PFCAT RESEQ DBFORM XEDIT
COMCCDM	**NONE**										
COMCCDP	DEBUG										
COMCCFD	ENQUIRE	MAGNET	PROFILE	DATADEF	TAF	DEMUX	MST	STIMULA	CIOTEST	MAC1	
COMCCHD	IAFEX										
COMCCIO	BLANK COPY76 GTR MAGNET PFCOPY RESEQ VFYLIB SDSI CIOTEST LOADBC	CATALOG CPMEM HELP MFILES PFDUMP RESEX IAFEX LPT DDFILE	CATLIST CPUMLD INSTALL MODIFY PFILES RESTART TELEX MST LISTER	CHARGE DAYFILE ISF MODVAL PFLOAD SFS DATADEF SCRSIM MODLIST	CHKPT DFTERM KRONREF MSI PROFILE SORT DATAMAP STIMULA QAQAQHT	CONFIG DOCUMENT LDI MSORT PURGALL SUBMIT DBFORM UPMOD QAQAQI	CONTROL EDIT LIBEDIT NOTE QDUMP SYSEDIT KTSDMP DEBUG QAQAQNM	CONVERT ENQUIRE LIBGEN OPLEDIT QFSP TDUMP LIBTASK E2OCP QAQAQS	COPYB FCOPY LISTLB PACK QLOAD TRMDEF TAF XEDIT QREWIND	COPYC FILES LIST80 PFATC QMOVE VALNET BDMI BANNER RUNCPD	COPY67 FNTLIST LO72 PFCAT QREC VERIFY DEMUX BREAK ACPD
COMCCMD	PSSTEXT PFILES MST	CATLIST PFLOAD DEBUG	CONTROL QLOAD RUNCPD	DFTERM QMOVE ACPD	FCOPY QREC LOADBC	FILES RESEX MAC2	ISF VALNET	KRONREF IAFEX	MAGNET TELEX	PFCAT TAF	PFDUMP SDSI
COMCCOD	CATALOG MSI QMOVE BDMI MAC1	CATLIST PFATC QREC SDSI	CONFIG PFCAT TDUMP MST	CONTROL PFCOPY VERIFY SCRSIM	CPMEM PFDUMP VFYLIB STIMULA	DFTERM PFLOAD IAFEX DEBUG	ENQUIRE PFS TELEX MREC	FNTLIST PROFILE DATADEF CKMS	KRONREF QDUMP DBFORM DDFILE	LIBGEN QFSP KTSDMP VFYFL	MODVAL QLOAD TAF LOADBC
COMCCPA	CONTROL	COPYB	DAYFILE	EDIT							
COMCCPM	ACCFAM INSTALL	BLANK ISF	CATLIST KRONREF	CHARGE LDI	CHKPT LISTLB	CONFIG MAGNET	CONTROL MODIFY	CPMEM MODVAL	DAYFILE MSI	DFTERM MSORT	ENQUIRE PFATC

	PFCAT	PFCOPY	PFDUMP	PFILES	PFLDAD	PFS	PROFILE	QDUMP	QFSP	QLOAD	QMOVE
	QREC	RESEX	RESTART	SFS	SORT	VALNET	CPUREL	IAFEX	TELEX	DBFORM	KTSOMP
	LIBTASK	TAF	DEMUX	DSOI	MST	SCRSIM	STIMULA	DEBUG	MREC	XEDIT	BREAK
	CIOTEST										
COMCCPT	CATALOG	LIBEDIT	SYSEDT	VFYLIB							
COMCCVI	ACCFAM	MODVAL									
COMCCVL	CPMEM	SYSEDT									
COMCDXB	CATALOG	CATLIST	CHKPT	CONFIG	CONTROL	CONVERT	COPYB	COPYC	CPMEM	DAYFILE	DOCMET
	FILES	INSTALL	LDI	LISTLB	LO72	MODIFY	MODVAL	MSI	PFATC	PFCAT	PFDUMP
	PFILES	PFLDAD	PFS	PROFILE	PURGALL	QFSP	RESEQ	RESEX	RESTART	ROUTE	SORT
	SYSEDT	TDUMP	TRMDEF	VALNET	VERIFY	IAFEX	TELEX	DATADEF	DBFORM	LIBTASK	TAF
	DEMUX	DSOI	MST	SCRSIM	STIMULA	DEBUG	MREC	XEDIT	CKMS	MODLIST	RUNCPD
	ACPD	LOADBC	MAC1								
COMCECH	ECSTEXT	CPUREL	TAF								
COMCECS	CPUREL	TAF									
COMCEDT	CATLIST	DFTERM	FNTLIST	MODVAL	PFATC	PFCAT	PFCOPY	PFDUMP	PFLDAD	PFS	PROFILE
	QDUMP	QFSP	QLOAD	QMOVE	QREC	RESTART	MAC1				
COMCFCE	CATLIST	PFATC	PFCAT	PFCOPY	PFDUMP	PFLDAD					
COMCFQD	QDUMP	QLOAD	QMOVE	QREC							
COMCHXB	TRMDEF	IAFEX									
COMCIQP	QDUMP	QLOAD	QMOVE	QREC							
COMCLFH	BLANK	CATALOG	CATLIST	CHKPT	CONFIG	CONTROL	COPYB	CPMEM	DFTERM	EDIT	ENQUIRE
	FILES	FNTLIST	GTR	HELP	ISF	KRONREF	LDI	LISTLB	MAGNET	QLOAD	MODVAL
	PACK	PFATC	PFCAT	PFCOPY	PFDUMP	PFILES	PFLDAD	PROFILE	QDUMP	QMOVE	QREC
	QREC	RESEQ	RESEX	RESTART	SORT	SUBMIT	SYSEDT	TDUMP	VERIFY	CPUREL	IAFEX
	TELEX	DBFORM	LIBTASK	TAF	BDMI	DSOI	MST	XEDIT	BREAK	CIOTEST	DDFILE
	LOADBC										
COMCLOD	IAFEX	TELEX									
COMCMAC	PSSTEXT	ACCFAM	BLANK	CATALOG	CATLIST	CHARGE	CHKPT	CONFIG	CONTROL	CONVERT	COPYB
	COPYC	CPMEM	CPUMLD	CVLCP	DAYFILE	DFTERM	DOCMET	EDIT	ENQUIRE	FCOPY	FILES
	FNTLIST	HELP	INSTALL	ISF	KRONREF	LDI	LIBEDIT	LIBGEN	LISTLB	LISTBO	LO72
	MAGNET	MFILES	MODIFY	MODVAL	MSI	NOTE	OPLEDIT	PACK	PFATC	PFCAT	PFCOPY
	PFDUMP	PFILES	PFLDAD	PFS	PROFILE	PURGALL	QDUMP	QFSP	QLOAD	QMOVE	QREC
	RESEQ	RESEX	RESTART	SFS	SORT	SUBMIT	SYSEDT	TCOMND	TDUMP	TRMDEF	VALNET
	VERIFY	VFYLIB	IAFEX	TELEX	CALLKTS	DATADEF	DATAMAP	DBFORM	KTSOMP	LIBTASK	TAF
	AAMI	AAML	BDMI	BEGIN	BLDABH	CALLTSK	CHKON	DMSTAT	DSDUMP	EXTRACT	LOGIN
	MULTCB	SETCHT	STATCHK	SUBMT	TARO	TERMDEF	ITASK	MSABT	DSDUMP	SYSMSG	DEMUX
	DSOI	MST	SCRSIM	STIMULA	UPMOD	DFSORT	PSAMP	DEBUG	E200CP	MREC	XEDIT
	BANNER	BREAK	CIOTEST	CKMS	DDFILE	MODLIST	RUNCPD	ACPD	LOADBC	ASARG	MAC1
	MAC2										
COMCMTM	LIBGEN	MODVAL	PROFILE	SFS	SYSEDT	VALNET	DATADEF	DATAMAP	DBFORM	LIBTASK	DSOI

STIMULA

COMCHTP	LIBGEN STIMULA	MODVAL	PROFILE	SFS	SYSEDIT	VALNET	DATADEF	DATAMAP	DBFORM	LIBTASK	DSDI
COMCMVE	BLANK LIBGEN PFLOAD VALNET MST	CHARGE LISTLB PFS IAFEX SCRSIM	CHKPT LIST80 PROFILE TELEX STIMULA	CONFIG LO72 QDUMP DATADEF XEDIT	CONTROL MODIFY QFSP DATAMAP BREAK	CONVERT MODVAL QLOAD DBFORM ACPD	DAYFILE MSI QMOVE LIBTASK LOADBC	DFTERM PFATC QREC TAF	DOCMEN PFCAT RESEX BDMI	ENQUIRE PFCOPY SFS DSDI	FNTLIST PFDUMP SYSEDIT LPT
COMCOPE	CIOTEST	QAAQAI									
COMCDVL	KRONREF XEDIT	LDC	LIBEDIT	MODVAL	PFS	PROFILE	QFSP	CPUREL	IAFEX	TELEX	TAF
COMCPFM	CATLIST PFDUMP DBFORM	CHARGE PFILES KTSOMP	CONTROL PFLOAD LIBTASK	DFTERM PROFILE TAF	EDIT PURGALL BDMI	ENQUIRE RESEX STIMULA	HELP RESTART XEDIT	ISF SUBMIT	MAGNET CPUREL	MODVAL IAFEX	PFCAT TELEX
COMCPFU	MSI	PFCAT	PFCOPY	PFDUMP	PFLOAD	MAC2					
COMCPOP	BLANK	CHARGE	CONTROL	COPYB	DAYFILE	EDIT	LISTLB	PROFILE	RESEX	TRMDEF	ASARG
COMCQFM	ISF	LDI	MSI	QDUMP	QLOAD	QMOVE	QREC	SUBMIT	TAF		
COMCRDC	CHARGE MODIFY SCRSIM	CONTROL MODVAL STIMULA	COPYB OPLEDIT DEBUG	DAYFILE QFSP E200CP	DFTERM RESEQ XEDIT	DOCMEN RESTART MODLIST	EDIT SORT	FCOPY DBFORM	HELP TAF	KRONREF DEMUX	LO72 DSDI
COMCRDH	CONVERT	DOCMEN	LIBEDIT	LO72	LISTER						
COMCRDO	CHKPT DBFORM	DOCMEN DEMUX	MODVAL DSDI	PFDUMP STIMULA	QLOAD UPMOD	RESTART CIOTEST	TDUMP MAC2	IAFEX	TELEX	DATADEF	DATAMAP
COMCRDS	CONTROL SFS LISTER	COPYC SUBMIT	CPMEM SYSEDIT	DOCMEN VALNET	EDIT IAFEX	LIST80 TELEX	LO72 DATADEF	MODIFY DBFORM	MODVAL LIBTASK	OPLEDIT TAF	RESEQ DSDI
COMCRDW	BLANK CPMEM LIBEDIT PFDUMP RESTART DATAMAP UPMOD	CATALOG DAYFILE LIBGEN PFLOAD SFS DBFORM DEBUG	CATLIST DFTERM LIST80 PROFILE SORT KTSOMP E200CP	CHARGE DOCMEN LO72 PURGALL SUBMIT LIBTASK CIOTEST	CHKPT EDIT MODIFY QDUMP SYSEDIT TAF LISTER	CONTROL FCOPY MODVAL QFSP VALNET BDMI MODLIST	CONVERT GTR OPLEDIT QLOAD VERIFY DEMUX ACPD	COPYB HELP PACK QMOVE VFYLIB DSDI MAC2	COPYC ISF PFATC QREC IAFEX MST	COPY67 KRONREF PFCAT RESEQ TELEX SCRSIM	COPY76 LDI PFCOPY RESEX DATADEF STIMULA
COMCRSP	ACCFAM	MODVAL	PFILES								
COMCRTN	VALNET	TELEX	TAF								
COMCSCB	CATLIST	PFATC	PFCAT	PFCOPY	PFDUMP	PFLOAD					
COMCSFM	DAYFILE	DFTERM	HELP	ISF	PFDUMP	RESTART	SUBMIT	STIMULA	CIOTEST	MAC2	
COMCSFN	BLANK	CATALOG	CATLIST	CHARGE	CHKPT	CONTROL	COPYB	CPMEM	DAYFILE	DFTERM	DOCMEN

	EDIT	ENQUIRE	FNTLIST	HELP	ISF	KRONREF	LIBEDIT	LISTLB	LO72	MODIFY	MODVAL
	MSI	OPLEDIT	PFATC	PFCAT	PF COPY	PFDUMP	PFLOAD	PROFILE	QDUMP	QFSP	QLOAD
	QMOVE	QREC	RESEX	RESTART	SFS	SYSEDIT	TDUMP	VERIFY	VFYLIB	IAFEX	TELEX
	DATADEF	DATAMAP	DBFORM	KTSDMP	LIBTASK	TAF	BDMI	DSDI	STIMULA	PSAMP	BANNER
	MODLIST	ACPD	MAC1								
COMCSNM	COPYB	COPYC	MODVAL	VERIFY	DBFORM	TAF	SYSMSG	LOADBC			
COMCSRT	CATALOG	COPYB	GTR	LIBEDIT	LIBGEN	MODIFY	SYSEDIT	VERIFY	VFYLIB		
COMCSSN	CONTROL	SUBMIT									
COMCSST	CATLIST	MSORT	SORT	SYSEDIT	LIBTASK						
COMCSTF	CATALOG	CATLIST	CHARGE	CPMEM	DAYFILE	EDIT	ENQUIRE	HELP	MODVAL	PACK	PFILES
	PROFILE	RESEQ	TDUMP	KTSDMP	DSDI						
COMCSYS	ACCFAM	BLANK	CATALOG	CATLIST	CHARGE	CHKPT	CONFIG	CONTROL	CONVERT	COPYB	COPYC
	COPY67	COPY76	CPMEM	CPUMLD	CVLCP	DAYFILE	DFTERM	DOCMET	EDIT	ENQUIRE	FCOPY
	FILES	FNTLIST	GTR	HELP	INSTALL	ISF	KRONREF	LDC	LDI	LIBEDIT	LIBGEN
	LISTLB	LIST80	LO72	MAGNET	MFILES	MODIFY	MODVAL	MSI	MSORT	NOTE	OPLEDIT
	PACK	PFATC	PFCAT	PFCOPY	PFDUMP	PFILES	PFLOAD	PFS	PROFILE	PURGALL	QDUMP
	QFSP	QLOAD	QMOVE	QREC	RESEQ	RESEX	RESTART	ROUTE	SETCORE	SFS	SORT
	SUBMIT	SYSEDIT	TCOMND	TDUMP	TRHDEF	VALNET	VERIFY	VFYLIB	IAFEX	TELEX	DATADef
	DATAMAP	DBFORM	KTSDMP	LIBTASK	TAF	BDMI	DEMUX	DSDI	LPT	MST	SCRSIM
	STIMULA	UPMOD	DFSORT	DEBUG	E200CP	MREC	XEDIT	BANNER	BREAK	CIOTEST	CKMS
	DDFILE	LISTER	MEMCALL	MODLIST	QAQAQHT	QAQAQI	QAQAQNH	QAQAQS	QREWIND	RUNCPD	VFYFL
	LOADBC	MAC2									
COMCUPC	LO72	MSI	PFS	LIBTASK	TAF	STIMULA	DEBUG	MREC			
COMCUSB	BLANK	CHARGE	CONFIG	CONTROL	COPYB	DAYFILE	EDIT	ENQUIRE	LIBEDIT	LISTLB	MODIFY
	MODVAL	NOTE	OPLEDIT	PROFILE	QFSP	RESEX	SFS	SYSEDIT	TRHDEF	LIBTASK	DSDI
	BREAK	ASARG									
COMCVFE	QDUMP	QLOAD	QMOVE	QREC							
COMCWOD	CPMEM	MODVAL	KTSDMP	BDMI	MST	DEBUG	DDFILE	VFYFL	MAC1		
COMCWTC	CATALOG	CATLIST	CHARGE	CONFIG	COPYB	DAYFILE	DFTERM	DOCMET	EDIT	ENQUIRE	FCOPY
	HELP	KRONREF	LO72	MODIFY	MODVAL	OPLEDIT	PFATC	PFCAT	PFCOPY	PFDUMP	PFLOAD
	QDUMP	QMOVE	RESEQ	SORT	SYSEDIT	TDUMP	VALNET	VERIFY	VFYLIB	DATADef	DATAMAP
	DBFORM	KTSDMP	LIBTASK	BDMI	DEMUX	DSDI	LPT	DEBUG	XEDIT	CIOTEST	DDFILE
	MODLIST										
COMCWTH	CATLIST	CONVERT	COPYB	LIBEDIT	MODVAL	PFATC	PFCAT	PFCOPY	PFDUMP	PFLOAD	PROFILE
	E200CP	LISTER									
COMCWTO	CHKPT	DOCMET	FNTLIST	RESTART	DBFORM	TAF	BDMI	DEMUX	DSDI	UPMOD	XEDIT
	CIOTEST	DDFILE									
COMCWTS	CONTROL	CONVERT	COPYC	DOCMET	EDIT	ENQUIRE	FNTLIST	LIBEDIT	LIST80	LO72	MODIFY
	MODVAL	NOTE	OPLEDIT	PROFILE	RESEQ	SUBMIT	SYSEDIT	TDUMP	VALNET	VERIFY	DATADef
	DBFORM	LIBTASK	DEMUX	DSDI	BANNER	LISTER					
COMCWTV	CATALOG	CATLIST	CHARGE	CHKPT	CUNFIG	CONTROL	CONVERT	COPYB	COPYC	COPY67	COPY76

	CPMEM	DAYFILE	DFTERM	DOCMENT	EDIT	ENQUIRE	FCOPY	FNTLIST	GTR	HELP	ISF
	KRONREF	LDI	LIBEDIT	LIBGEN	LISTLB	LIST80	LO72	MODIFY	MODVAL	NOTE	OPLDIT
	PACK	PFATC	PFCAT	PFCOPY	PFDUMP	PFLoad	PROFILE	QDUMP	QLOAD	QMOVE	QREC
	RESEQ	RESEX	RESTART	SFS	SORT	SUBMIT	SYSEdit	TDUMP	TRMDEF	VALNET	VERIFY
	VFYLIB	IAFEX	TELEX	DATADef	DATAMAP	DBFORM	KTSOMP	LIBTASK	TAF	BDMI	DEMux
	DSDI	LPT	MST	STIMULA	UPMOD	DEBUG	E200CP	XEDIT	BANNER	BREAK	CIOTEST
	DDFILE	LISTER	MODLIST	ACPD							
COMCZAP	LIBEDIT	MODIFY	OPLDIT	SYSEdit	LIBTASK	DSDI	ASARG				
COMCZTB	CONFIG	MODIFY	MODVAL	PFDUMP	PFLoad	QDUMP	QLOAD	QMOVE	QREC	TAF	DEBUG
	MREC	BANNER	DDFILE								
COMDDIS	DIS	DSD									
COMDDSP	DIS	026	ADC	BAT	DOG	DS1	WRM	CHD	DDF	EYE	
COMDSYS	DIS	DSD	026	ADC	DOG	DS1	WRM	CHD	DDF		
COMDTFN	DIS	DSD	DSDI								
COMEACH	**NONE**										
COMEBS T	EXINIT										
COMECCB	**NONE**										
COMECTF	CATACC	EXINIT									
COMEEMC	**NONE**										
COMEEXP	ASARG	EXINIT									
COMEFCQ	**NONE**										
COMEHLR	CATACC										
COMEINT	EXINIT										
COMEIPR	EXINIT										
COMEJCA	EXINIT										
COMELTC	EXINIT										
COMEMEB	EXINIT										
COMEMFD	**NONE**										
COMEMMF	EXINIT										
COMEMSC	CATACC	MAPACC	ASUSE	EXINIT							
COMEovL	EXINIT										
COMEUTC	**NONE**										





CROSS REFERENCE OF OPL.  
COMMON DECK CALLS.  
DECK

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COMPACS	CIO 1LS	FDL	IMS	LFM	MSM	PFM	PFU	QAP	1AJ	1DS	1TA
COMPANS	CIO	FDL	PFU								
COMPBKP	**NONE**										
COMPCDI	SFM										
COMPCEA	IMS	SFM	1MR								
COMPCFP	VMO										
COMPCHI	CALLINT 1TD	QAP DS1	1CD 1TS	1DL CHD	110 1ED	1MT CALLQIS	6DE EYE	6DI QIS	6DP Q26	6MD TMG	1TN
COMPCHL	OSB	6DI	6DP								
COMPCHM	DIO	SET	STL	1LC							
COMPCLB	QAP	QFM	OBP								
COMPCKP	CIO	QFM	1MR								
COMPCLD	FDL	SFP	SLL	1AJ	1DS	1MT	1TA				
COMPCLX	EXU	1AJ									
COMPCHA	MSM	SET									
COMPCHX	CPM	OVJ	1AJ	110	1SJ	1TA	1TN	1TD	1TP	1TS	1LS
COMPJOB	QAP	QFM									
COMPORA	CIO 1MT	CPM 1LS	FDL DDF	LFM	PFM	PFU	QAC	OAV	ORF	110	11S
COMPORS	CIO SFM	CPM TLX	CVL VEJ	DSP HFM	FDL SMP	LFM CPD	PFM	PFU	QFM	RDM	RPV
COMPCTI	CIO	FDL	IMS	PFM	PFU	QFM	SFM	SFP	1CK	CPD	
COMPCHA	CPM 1AJ DDF	CVL 11S EYE	DIS ADC VMO	DSP BAT	026 00G	PFM DS1	PFU HFM	QFM SMP	SFM WRM	SLL CHD	VEJ CPD
COMPCHN	DSP	LFM									
COMPCHT	PFU										
COMPCHI	CPM 1SJ	DSP 1TA	LFM 1TN	QAC 1TD	QFM 1TP	SFM 1TS	OBF XSP	OVJ 1LS	1AJ	110	1RD
COMPCHD	CIO QAP	DIO QFM	DSD RDM	DSP REC	IMS STL	LFM ORP	MSM 1AJ	OUT 1CJ	PFM 1CK	PFU 1DS	QAC 110

CROSS REFERENCE OF OPL. COMMON DECK CALLS. DECK	OPL FILE=OPL DECK REFERENCES.			SYS. TEXT=NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	32			
	1MA	1MB	1MT	1RI	1SP	1TA	5ME	6DI	1TN	1TD	1ED
	1LS	1MR	DDF	TMG							
COMPDT5	IMS	PFM	QFM	SFM							
COMPDV5	DIO	OBP	1DS								
COMPECX	CPM	OVJ	1AJ	1SJ	1TA						
COMPFAT	CPM	PFM	SFM	OAV							
COMPGBN	DSP	QFM	SFM	OVJ							
COMPGJN	1TA										
COMPGTN	CPM	RPV	TLX	1AJ	1RI	1RO	1TA				
COMPIFR	IMS	MSM	RDM	REC	1CK	OMF					
COMPIRA	CIO	FDL	MSM	PFM	PFU	REC	1IS	CPD			
COMPLDA	DIO										
COMPHAC	CALLDIS	CALLINT	CIO	CPM	CVL	DIO	DIS	DSD	DSP	ELM	EXU
	FDL	IMS	LFM	MSM	MTR	OSB	OUT	O26	PFM	PFU	PPR
	QAC	QAP	QFM	RDM	REC	RPV	SET	SFM	SFP	SLL	STL
	TLX	VEJ	OAU	OAV	OBF	OBP	ODF	OFA	ORF	ORP	OVJ
	1AJ	1CD	1CJ	1CK	1DL	1DS	1TO	1IS	1MA	1MB	1MC
	1MT	1RI	1RO	1SI	1SJ	1SP	1TA	1TO	5ME	6DE	6DI
	6DP	6MD	1TN	1TD	1TP	ADC	BAT	DOG	DS1	HFM	SMP
	WRM	1TS	ABC	CHD	XSP	1ED	1LS	OMF	1MR	CALLOIS	ABP
	CPD	DDF	EYE	QIS	Q26	SPD	TMG	VMO	1LC		
COMPMKQ	1TN	1TD	1ED								
COMPMSD	6MD										
COMPRBB	QAP	QFM									
COMPRCB	QAP										
COMPRCS	SFP	1AJ									
COMPREI	DIS	1AJ	1MA								
COMPREL	OAU	OBF	ODF	OFA	ORF	ORP	6DI	OMF			
COMPRJC	CIO	CPM	DSD	DSP	LFM	MSM	OUT	QAC	QAP	QFM	REC
	SET	OVJ	1AJ	1CJ	1DS	1IO	1MA	1RI	1SI	1SJ	1SP
	1TA	1TN	1TD	1TP	1TS	1LS	CPD				
COMPLRI	OAV	OBP	OVJ								
COMPLRS	1AJ	1CJ	1RI	1RO							
COMPRNS	CIO	DSP	EXU	FDL	LFM	PFM	QFM	REC	SFP	OBP	1AJ



CROSS REFERENCE OF OPL. COMMON DECK CALLS. DECK	DPL FILE=OPL DECK REFERENCES.			SYS. TEXT=NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE	34			
COMPUSS	CIO	DSP	LFM	OUT	QFM	1CJ					
COMPVFC	DSP	QAC									
COMPVFN	CIO	CPM	DSP	LFM	MSM	PFM	QFM	SFM			
COMPVMS	VMO										
COMPWBB	QAP	QFM	OBP	1CD							
COMPWCB	**NONE**										
COMPWEI	CIO 1CJ	DSP 1CK	LFM 1DS	MSM 1IS	PFM 1RO	PFU 1TA	REC 1TO	SFM XSP	SFP 1MR	SLL CPD	VEJ
COMPWSS	CIO SLL 1MR	DSP VEJ	IMS 1AJ	LFM 1CJ	MSM 1CK	OUT 1DS	PFM 1IS	PFU 1MA	QFM 1RO	REC 1TA	SFM XSP
COMPWVE	IMS	PFU									
COMP3XD	**NONE**										
CONSACC	CALLPPU 0BF ISF ITS	CPM OVJ MODVAL XSP	DSP 1AJ PFCAT 1LS	LFM 1IO PFLOAD	MSM 1MA PROFILE	PFM 1RO QREC	QAC 1SI 1TN	QAP 1SJ IAFEX	REC 1TA 1TD	SET ACCFAM TELEX	OAV CPUMTR 1TP
COMSBIO	CALLPPU	DSD	QAP	OBP	1CD	1IO	DSDI				
COMSCIO	CALLPPU	CIO	QAP	1MT	MAGNET						
COMSCPD	CPD	RUNCPD	ACPD								
COMSCPS	CALLPPU OUT SFP 1CJ 6DI RUNCPD	CIO PFM TLX 1CK CPUMTR VMO	CPM PFU VEJ 1DS IAFEX ACPD	DIS PPR OAU 1IS TELEX	DSD QAC OAV 1MA XSP	DSP QAP 0BF 1MB 1LS	ELM QFM ODF 1RI OMF	FDL RDM OFA 1RO 1MR	IMS REC ORP 1SJ CPD	LFM SET 1AJ 1TA DDF	MSM SFM 1CD 6DE QIS
COMSDSL	CALLPPU 1CK	DIO 1IS	DSD MSI	IMS ABC	MSM	OSB	OUT	REC	SET	SLL	STL
COMSESS	CETEXT	CVL	SET	MSI							
COMSEVT	CPM 1TA	DSD CONTROL	IMS RESEX	LFM CPD	MSM MAC2	PFM	PFU	ORP	1DS	1MT	1SP
COMSEXP	DSD	DSDI	XSP	1ED	1LS	E200CP					
COMSIOQ	CALLCPU QLOAD	IMS QMOVE	MSM QREC	QFM SUBMIT	REC TAF	SFM 1MR	DFTERM	LDI	MSI	QDUMP	QFSP
COMSJCE	CPM	OVJ	1AJ	1MA							

COMSJIO	CALLPPU ICD	CIO ICJ	DSP FNTLIST	IMS QDUMP	LFM QFSP	MSM QMOVE	OUT OREC	QAC ROUTE	QAP XSP	QFM ILS	IAJ
COMSJRO	IAJ	IRI	IRO	ITA	ITO						
COMSLOR	BDMI										
COMSLFM	LFM	COPYB	PFLoad	VERIFY							
COMSLSD	DSD	IMS	MSM	PFM	RDM	SET	ICK	ISP	CPUMTR	MSI	
COMSMHF	CALLPPU CPUMTR	IMS PFDUMP	MSM OMF	PFM IMR	QFM MAC2	RDM	REC	SET	SFM	ICK	IDS
COMSMRT	IMR	MREC									
COMSMSC	MTR DSDI	PPR ACPD	REC	SET	SFP	SLL	STL	IAJ	IMT	ITA	TAF
COMSMSI	CALLPPU	IMS	MSI								
COMSMSP	CALLPPU OUT SLL IDS 6DI DDF	CIO PFM VEJ IIO 6DP	CVL PFU OAU IIS 6MD	DIO PPR OAV IMA CONTROL	DSP QAC OBP IMT CPUMTR	EXU OFM ORF IRI MSI	FOL RDM ORP IRO DSDI	IMS REC IAJ ISP MST	LFM SET ICJ ITA XSP	MSM SFM ICK ITO OMF	MTR SFP IOL 6DE IMR
COMSMST	DSD	IMS	MSM	PFM	REC	ICK	IIS				
COMSMTR	MTR	CPUMTR									
COMSMTX	CIO MAGNET	DIS PFLoad	DSD RESEX	LFM VERIFY	REC TAF	SFP DSDI	ORF CPD	IDS TMG	IMT	COPYB	CPUMTR
COMSNCD	ITO	IAFEX	TAF	SEND	TERMDEF						
COMSNET	CALLCPU	VALNET	IAFEX	TELEX	TAF						
COMSPFM	CALLCPU OFA MSI SUBMIT DDF	CALLPPU ORP PFATC IAFEX MAC2	CIO IAJ PFCAT TELEX CATACC	IMS ICK PFCOPY DATADEF MAPACC	MSM ISI PFDUMP DBFORM ASDEF	PFM ITA PFILES KTSOMP ASLABEL	PFU CATLIST PFLoad TAF ASMOVE	REC CHARGE PROFILE BDMI ASUSE	SFM DFTERM PURGALL STIMULA ASVAL	OAU ISF RESEX IMR EXINIT	OAV MODVAL RESTART XEDIT
COMSPFS	MSI	PFATC	PFCAT	PFCOPY	PFDUMP	PFLoad	PFS	MREC	MAC2		
COMSPFU	CALLPPU	PFU	MSI	PFATC	PFCAT	PFCOPY	PFDUMP	PFLoad	PFS	MAC2	
COMSPRD	CIO QAP IAJ ISJ MODVAL IAFEX	CPM QFM ICK ISP PFATC ITD	DSD RDM IDS ITA PFCAT TELEX	DSP REC IIO ACCFAM PFCOPY ITP	IMS SET IIS CATLIST PFDUMP LIBTASK	LFM SLL IMA CHARGE PFLoad TAF	MSM TLX IMB CONFIG PFS BEGIN	MTR VEJ IMT CPUMTR QFSP BLDABH	PFM OBP IRI CVLCP RESEX CALLRTN	PFU ORF IRO INSTALL SYEDIT CHKON	QAC OVJ ISI ISF ITN CMDUMP



CROSS REFERENCE OF OPL. COMMON DECK CALLS. DECK	OPL FILE-OPL DECK REFERENCES.	SYS. TEXT-NOSTEXT	NOS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE 37
COMTDP6	110				
COMTDP9	110				
COMTNAP	MODVAL				
COMTVDT	1T0	TRMDEF	IAFEX		
COMT6DP	110				
COMT8AD	QAP				
COMT9DP	110				
COMUCTW	ASMOVE	ASVAL			
COMUDEF	ASDEF				
COMUDFP	ASARG	ASDEF			
COMUERR	ASLABEL				
COMUFMT	RFORM				
COMULAB	ASLABEL				
COMULBP	ASARG	ASLABEL			
COMUMOV	ASMOVE				
COMUMVP	ASARG	ASMOVE			
COMUOUT	RFORM	ASLABEL	ASMOVE	ASUSE	
COMUSIT	ASMOVE				
COMUUSE	ASUSE				
COMUUSP	ASARG	ASUSE			
COMUULD	ASVAL				
COMUULF	ASVAL				
COMUULM	ASVAL				
COMUULP	ASARG	ASVAL			
COMUULV	ASVAL				
COMUULX	ASVAL				
COMZCBP	EXINIT				
COMZCBT	EXINIT				

DECK	DECK REFERENCES.	
COMZCDD	EXINIT	
COMZCPG	**NONE**	
COMZERB	EXINIT	
COMZITH	EXINIT	
COMZLOC	EXINIT	
COPYRT	DSD	
CPCOM	NOSTEXT	SYSTEXT
OMABZF;	EXINIT	
OMACHN;	EXINIT	
OMACMD;	EXINIT	
OMACHS;	ASDEF	EXINIT
OMAFET;	EXINIT	
OMALRQ;	EXINIT	
OMAMAT;	EXINIT	
OMAMCT;	EXINIT	
OMAMSS;	EXINIT	
OMAPFP;	EXINIT	
OMATDM;	EXINIT	
OMEACH;	EXINIT	
OMEBST;	EXINIT	
OMECTF;	EXINIT	
OMEEXP;	EXINIT	
OMEFCQ;	EXINIT	
OMEHLR;	EXINIT	
OMEINT;	EXINIT	
OMELTC;	EXINIT	
OMEMSC;	EXINIT	
OMSPFM;	EXINIT	



CROSS REFERENCE OF OPL. OPL FILE=OPL SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A. 79/10/30. 15.07.22. PAGE 39  
COMMON DECK CALLS.  
DECK DECK REFERENCES.

OMUDFP;	ASDEF	
OMUVLP;	ASVAL	
OMUVLX;	ASVAL	
OMZCBP;	EXINIT	
OMZCBT;	EXINIT	
OMZERB;	EXINIT	
PPCOM	PPTXT	NOSTEXT

PP PACKAGES CALLED.  
DECK DECK REFERENCES.

ABC	**NONE**						
ABP	BREAK						
ADC	**NONE**						
BAT	**NONE**						
BCL	STL						
CALLDIS	**NONE**						
CALLINT	**NONE**						
CALLPPU	**NONE**						
CALLQIS	**NONE**						
CHD	**NONE**						
CID	QAP	IAJ	ICD	110	SMP	1LS	Q26
CODING	**NONE**						
CPD	RUNC PD						
CPM	SFP	PFS	TAF				
CVL	**NONE**						
DDF	**NONE**						
DID	**NONE**						
DIS	**NONE**						
DUG	**NONE**						
DSD	**NONE**						
DSP	QAP	QDUMP	QLOAD	QMOVE			
DS1	**NONE**						
EXU	**NONE**						
EYE	**NONE**						
FDL	**NONE**						
HFM	SCRSIM						
IMS	CONFIG	MSI					
LFM	SFP						

CROSS REFERENCE OF DPL. PP PACKAGES CALLED.	DPL FILE=DPL	SYS. TEXT=NOSTEXT	NDS 1-9E07T/R4A.	79/10/30. 15.07.22.	PAGE 41
DECK	DECK REFERENCES.				
MSM	**NONE**				
MTR	**NONE**				
OSB	**NONE**				
OUT	FILES	Q26			
Q26	DIS				
PFM	**NONE**				
PFU	**NONE**				
QAC	110	FNTLIST	1LS		
QAP	1CD				
QFM	**NONE**				
QIS	Q26				
Q26	QIS				
RDM	CONFIG				
REC	**NONE**				
RPV	**NONE**				
SET	**NONE**				
SFM	DFTERM				
SFP	**NONE**				
SLL	SYSEDIT				
SMP	**NONE**				
SPD	**NONE**				
STL	**NONE**				
TCS	1AJ				
TLX	**NONE**				
TMG	**NONE**				
VEJ	QLOAD	QMOVE			
WRM	**NONE**				
XSP	1LS				



CROSS REFERENCE OF OPL. OPL FILE=OPL  
PP PACKAGES CALLED.

SYS. TEXT=NOSTEXT

NOS 1-9E07T/R4A.

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DECK DECK REFERENCES.

1MC	**NONE**
1MR	**NONE**
1MT	**NONE**
1RI	1AJ 1SJ
1RO	1AJ
1RP	1TN 1TD
1SI	**NONE**
1SJ	**NONE**
1SP	**NONE**
1TA	**NONE**
1TD	1TD
1TN	1TN
1TO	**NONE**
1TP	**NONE**
1TS	**NONE**
2LD	FDL
2MA	1MA
2MB	1MA
2MC	1MC
2MD	1MB
2RP	RPV
2TD	1TD
2TN	1TN
2TO	1TO
3AA	1AJ
3AB	1AJ
3AC	1AJ
3AD	1AJ

DECK	DECK REFERENCES.
3AE	1AJ
3AF	1AJ
3AG	1AJ
3AH	1AJ
3BA	QAP
3BB	QAP
3BC	QAP
3BD	QAP
3BE	QAP
3BF	QAP
3CK	1CK
3IA	110
3IB	110
3IC	110
3ID	110
3MA	1MT
3MB	1MT
3ME	1MT
3MF	1MT
3PA	PFM
3PB	PFM
3PC	PFM
3PD	PFM
3PE	PFM
3PF	PFM
3PG	PFM
3PH	PFM
3PI	PFM

3PJ	PFM	
3PK	PFM	
3PL	PFM	
3PM	PFM	
3PN	PFM	
3PO	PFM	
3PP	PFM	
3QR	OAC	
3RF	IRI	
3RG	IRI	
3RH	IRI	
3RI	IRI	
3RP	IRO	
3RQ	IRO	
3SA	ISJ	
3SZ	SFM	
4DA	MSM	REC
4DB	MSM	
4DC	MSM	
4DD	REC	
4DE	REC	
4DF	MSM	
4DG	MSM	
4DH	MSM	
5BA	QAP	
5BB	QAP	
5IA	110	
5IC	110	

CROSS REFERENCE OF OPL. OPL FILE=OPL  
PP PACKAGES CALLED.

SYS. TEXT=NOSTEXT NOS 1-9E07T/R4A.

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DECK DECK REFERENCES.

5ID	110		
5IE	110		
5IG	110		
5IH	110		
5ME	DSD	MSM	ICK
6DE	**NONE**		
6DI	**NONE**		
6DP	**NONE**		
6MD	**NONE**		
7SE	1DL		







70332 BLANK STATEMENTS.

3948 \*CALL STATEMENTS.

437890 LINES OF CODE.

152718 \* TYPE COMMENT STATEMENTS.

34306 TOTAL INACTIVE STATEMENTS.

664888 TOTAL ACTIVE STATEMENTS.

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## 1.0 INTRODUCTION

### 1.1 SCOPE OF DOCUMENT

#### 1.1.1 PURPOSE

THIS DOCUMENT ESTABLISHES THE STANDARD PROCEDURES TO BE USED BY PROGRAMMERS IN THE DEVELOPMENT AND MAINTENANCE OF PROGRAMS.

THIS DOCUMENT SHOULD BE USED BY PROGRAMMERS AS A REFERENCE MANUAL OF STANDARD PROGRAMMING PROCEDURES. THE IMPLEMENTATION OF THESE PROCEDURES WILL INCREASE THE EFFICIENCY OF PROGRAM DEVELOPMENT, IMPROVE THE RELIABILITY AND MAINTAINABILITY OF THE PROGRAM AND AID IN THE TRAINING OF PERSONS WHO WILL BE MAINTAINING OR USING THE PROGRAM.

#### 1.1.2 SCOPE OF USE

THE PROCEDURES DEFINED IN THIS DOCUMENT ARE APPLICABLE TO THE FOLLOWING OPERATING SYSTEMS AND THEIR RELATED SUBSYSTEMS:

SCOPE 3.4.N  
NOS/BE  
NOS

CODE WHICH IS COMMON TO BOTH OPERATING SYSTEMS WILL USE ASSEMBLY OPTIONS TO SPECIALIZE THE CODE WHERE THERE ARE DIFFERENCES IN THESE PROCEDURES.

### 1.2 CONFORMANCE AND ENFORCEMENT

THE PROCEDURES DEFINED IN THIS DOCUMENT ARE USED IN ALL NEWLY DEVELOPED PROGRAMS. IN EXISTING PROGRAMS THESE PROCEDURES SHOULD BE USED IF THEY ARE NOT INCONSISTENT WITH THE EXISTING PROCEDURES. IF MAJOR CHANGES (SUCH AS A REWRITTEN SUBROUTINE OR A NEW OVERLAY) ARE MADE TO A PROGRAM, THESE PROCEDURES ARE TO BE USED FOR THE CHANGES.

PROGRAMS WHICH DO NOT CONFORM TO THESE REQUIREMENTS WILL BE RETURNED TO THE PROGRAMMER FOR CORRECTION.



## 2.0 DOCUMENTATION

### 2.1 INTRODUCTION

DOCUMENTATION IS THE PRESENTATION OF INFORMATION ABOUT A PROGRAM IN EASILY UNDERSTANDABLE FORM SO THAT THOSE WHO NEED TO UNDERSTAND THE PROGRAM DO NOT NEED TO STUDY THE PROGRAM ITSELF. THIS REDUCES THE TIME CONSUMED FROM DAYS OR WEEKS TO JUST MINUTES OR HOURS.

THE PROGRAM DOCUMENTATION PRESENTED IN THIS STANDARD IS EMBEDDED WITHIN THE SOURCE LANGUAGE OF EACH PROGRAM. THE DOCUMENTATION IS DESIGNED TO BE EXTRACTABLE BY THE STANDARD DOCUMENTATION PROCESSING PROGRAM. THIS APPROACH SERVES TO UNIFY THE PROGRAM AND ITS DOCUMENTATION, MAKING IT EASIER AND MORE NATURAL TO UPDATE THE DOCUMENTATION AS CHANGES ARE MADE TO THE CODE.

THE EFFECTIVENESS OF DOCUMENTATION IS JUDGED BY ITS SUCCESS IN MEETING THE NEEDS OF THOSE WHO USE IT. THIS INTRODUCTION DEFINES FOUR DISTINCT NEEDS FOR DOCUMENTATION WHICH ARISE DURING THE LIFE OF A SOFTWARE PRODUCT. SECTIONS 2.3 THROUGH 2.5 DEFINE THREE LEVELS OF DOCUMENTATION (PROGRAM LEVEL, SUBROUTINE LEVEL AND CODE LEVEL) WHICH TOGETHER MEET THESE NEEDS.

SECTION 2.6 GIVES EXAMPLES OF PROPER DOCUMENTATION.

#### 2.1.1 DESIGN OVERVIEW

ANYONE WANTING TO KNOW THE STRUCTURE OF THE SYSTEM, OR SOME FUNCTIONAL AREA, DOES NOT WANT A LOT OF DETAILED INFORMATION WHICH WILL MAKE THE TASK MORE DIFFICULT. ONE SHOULD BE ABLE TO ASK THE QUESTION:

WHAT IS THE FUNCTION OF THIS PROGRAM.

AND GET AN ANSWER THAT IS BRIEF AND TO THE POINT. IT SHOULD NOT CONTAIN ANY INFORMATION ABOUT THE INPUT PARAMETERS, OPTIONS, ERROR CONDITIONS, OR INTERNAL WORKINGS OF THE PROGRAM.

#### 2.1.2 EXTERNAL INTERFACE

ANYONE WHO KNOWS THE FUNCTION OF A PROGRAM AND WANTS TO KNOW HOW TO INTERFACE TO THE PROGRAM NEEDS TO KNOW THE FORM OF THE CALL, WHAT PARAMETERS TO SUPPLY, WHAT INFORMATION IS RETURNED, AND WHAT IS ACCOMPLISHED. ONE SHOULD BE ABLE TO ASK THE QUESTION:

HOW IS THIS PROGRAM USED.

AND GET AN ANSWER THAT LISTS THE PARAMETER DEFINITIONS, FORMATS,

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AND CONTENTS, THE INITIAL CONDITIONS OF BUFFERS AND DEVICES, ANY STATUS AND CONDITION INFORMATION, A LIST OF OTHER PROGRAMS CALLED, AND A COMPLETE LIST OF ERROR CODES, ERROR MESSAGES ISSUED AND PARAMETERS RETURNED. A GENERAL DESCRIPTION OF THE ACTIONS TAKEN SHOULD BE INCLUDED FOR EACH FUNCTION PERFORMED THAT IS RECOGNIZABLE BY THE CALLING PROGRAM.

### 2.1.3 INTERNAL OPERATION

ANYONE WORKING ON A MODIFICATION OR ENHANCEMENT TO THE SYSTEM NEEDS A GENERAL KNOWLEDGE OF THE INTERNAL OPERATION OF A PROGRAM. THIS REQUIRES FINDING OUT WHERE WITHIN THE PROGRAM SOME FUNCTION IS PERFORMED AND HOW IT IS PERFORMED. ONE SHOULD BE ABLE TO ASK THE QUESTION:

HOW DOES THIS PROGRAM WORK.

AND GET AN ANSWER THAT INCLUDES A DESCRIPTION OF THE LOGICAL FLOW AND STRUCTURE OF THE PROGRAM, THE ALGORITHMS USED AND THE FUNCTION PERFORMED BY EACH OVERLAY OR SUBROUTINE IN THE PROGRAM.

### 2.1.4 DETAILED CODE ANALYSIS

ANYONE ATTEMPTING TO MODIFY THE PROGRAM OR ESTABLISH A KNOWLEDGE OF THE DETAILED OPERATION OF A PROGRAM USES THE LISTING. DOCUMENTATION SHOULD BE PROVIDED IN THE LISTING TO AID IN FOLLOWING THE FLOW OF THE PROGRAM WITHOUT READING ALL OF THE CODE. THIS DOCUMENTATION CONSISTS OF COMMENTS WITHIN THE CODE ITSELF. COMMENTS DESCRIBING THE FUNCTION OF LOGICAL GROUPS OF INSTRUCTIONS SHOULD BE PROVIDED, AND COMMENTS DOCUMENTING TABLE STRUCTURES, DATA AREAS, AND CONSTANTS SHOULD APPEAR ON THE INSTRUCTIONS WHICH DEFINE THEM. ONE SHOULD BE ABLE TO ASK THE QUESTION:

WHAT SHOULD I KNOW WHEN MODIFYING THIS PROGRAM.

AND GET BACK AN ANSWER WITH ALL THE DETAIL NEEDED TO MAKE THE MODIFICATIONS WITHOUT ADVERSELY AFFECTING EXISTING PROGRAM FUNCTIONS.

## 2.2 GENERAL REQUIREMENTS

### 2.2.1 ABBREVIATIONS

THE ABBREVIATIONS FOR TECHNICAL TERMS WHICH ARE TO BE USED IN PROGRAM DOCUMENTATION ARE LISTED IN APPENDIX A. ALL OTHER TECHNICAL WORDS AND PHRASES ARE COMPLETELY SPelled OUT. ROUTINE NAMES AND MNEMONIC NAMES OF TABLES AND EQUIPMENTS ARE NOT CONSIDERED ABBREVIATIONS.

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A PROGRAM WHOSE DOCUMENTATION MAKES EXTENSIVE USE OF TERMS NOT IN THIS LIST MAY DEFINE A LIST OF ABBREVIATIONS AND INCLUDE IT IN THE FIRST SECTION OF THE INTERNAL DOCUMENTATION FOR THE PROGRAM. SUCH ABBREVIATIONS MAY NOT BE USED IN THE PROGRAM OVERVIEW OR EXTERNAL DOCUMENTATION.

THE FOLLOWING STANDARD SYMBOLS ARE USED IN THE DOCUMENTATION WHEN EXPRESSING LOGICAL AND ARITHMETIC COMPARISONS:

.NOT.	LOGICAL INVERSE
.XOR.	EXCLUSIVE OR
.AND.	LOGICAL PRODUCT
.OR.	LOGICAL DIFFERENCE
.NE.	NOT EQUAL TO
.LE.	LESS THAN OR EQUAL TO
.GE.	GREATER THAN OR EQUAL TO
.LT.	LESS THAN
.GT.	GREATER THAN
=	EQUAL TO
()	CONTENTS OF

### 2.2.2 PUNCTUATION

ALL DOCUMENTATION AND COMMENT CARDS CONTAIN COMPLETE ENGLISH SENTENCES WITH CORRECT PUNCTUATION. EXCEPTIONS ARE ALLOWED IN SUBROUTINE HEADINGS (SEE SECTION 2.4) AND IN EMBEDDED COMMENTS (SEE SECTION 2.5.2). TITLES (SUCH AS 'ASSEMBLY CONSTANTS.') SHOULD END WITH A PERIOD BUT NEED NOT BE COMPLETE SENTENCES. EACH COMMENT (EXCLUDING EMBEDDED COMMENTS) SHOULD END WITH A PERIOD EVEN IF IT IS NOT A SENTENCE.

CORRECT PUNCTUATION MEANS THE SAME PUNCTUATION AS REQUIRED IN WRITTEN ENGLISH. HOWEVER, THE APOSTROPHE PRESENTS PROBLEMS DUE TO CHARACTER SET AND PRINT TRAIN DIFFERENCES, AND PLURALS OF ABBREVIATIONS ARE NOT READABLE WITHOUT UPPER AND LOWER CASE. THEREFORE, PLURALS AND POSSESSIVE FORMS OF ABBREVIATED TERMS ARE TO BE AVOIDED. AUTHORIZED ABBREVIATIONS (SEE SECTION 2.2.1) ARE MADE PLURAL BY ADDING A HYPHEN AND THE LETTER 'S' (E.G. PPU-S).

IF AN UPPER CASE ITEM IS TO BE INDICATED IN THE DOCUMENTATION, IT IS ENCLOSED WITHIN ASTERISKS. UPPER CASE IS USED FOR NAMES OF FILES, PROGRAMS, CALLING PARAMETERS, SUBROUTINE TAGS, TABLE NAMES AND ANY OTHER WORDS THAT ARE NORMALLY CAPITALIZED.

### 2.2.3 FORMATS

DOCUMENTATION LINES CONTAIN ONLY ASTERISKS AND BLANKS IN THE FIRST TEN COLUMNS AND TEXT IN COLUMNS 11 THROUGH 71. THE TEXT IS WRITTEN USING CORRECT ENGLISH EXCEPT WHERE SPECIFICALLY NOTED. THE FORMAT FOR EACH OF THE VARIOUS TYPES OF DOCUMENTATION IS SHOWN BELOW. LATER SECTIONS DEFINE THE USAGE OF EACH TYPE OF DOCUMENTATION.

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OVERVIEW - ASTERISKS IN COLUMNS 1 THROUGH 5 (\*\*\*\*\*). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS MAKE UP THE PROGRAM OVERVIEW DOCUMENTATION.

EXTERNAL - ASTERISKS IN COLUMNS 1 THROUGH 3 (\*\*\*). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS ARE TO BE INCLUDED IN THE PROGRAM EXTERNAL DOCUMENTATION.

INTERNAL - ASTERISKS IN COLUMNS 1 AND 2 (\*\*). THIS CARD INDICATES THAT THIS AND THE FOLLOWING CONTIGUOUS COMMENT CARDS ARE TO BE INCLUDED IN THE PROGRAM INTERNAL DOCUMENTATION.

INTERNAL BRACKET - ASTERISKS IN COLUMNS 1 THROUGH 4 (\*\*\*\*). THIS CARD AND ALL OTHER CARDS UP TO AND INCLUDING THE NEXT OCCURRENCE OF THIS CARD ARE TO BE INCLUDED IN THE PROGRAM INTERNAL DOCUMENTATION.

OTHER COMMENT - ASTERISK IN COLUMN 1 (\*). THIS TYPE OF COMMENT IS USED FOR CONTINUATION OF THE ABOVE TYPES OF DOCUMENTATION. IT IS ALSO USED FOR STAND-ALONE COMMENTS (SEE SECTION 2.5.1).

TABLE - ASTERISK IN COLUMN 1, T IN COLUMN 2 (\*T). THIS CARD INDICATES TABLE DOCUMENTATION. THE \*T CARDS MUST APPEAR WITHIN A SET OF CONSECUTIVE COMMENT STATEMENTS BEGINNING WITH AN EXTERNAL (\*\*\*) OR INTERNAL (\*\*) STATEMENT.

BLANK COMMENT CARD - A CARD WITH AN ASTERISK IN COLUMN 1 (\*) AND BLANKS IN COLUMNS 2 THROUGH 71 IS CALLED A 'BLANK COMMENT CARD' AND IS USED AS A SEPARATOR TO IMPROVE READABILITY OF DOCUMENTATION.

#### 2.2.4 FORMAT OF ITEMIZED DOCUMENTATION

DOCUMENTATION WHICH CONTAINS SEVERAL SEPARATE ITEMS OF INFORMATION (AS FOUND IN SECTIONS 2.3.1, 2.3.2, 2.3.3 AND 2.4) CONTAINS A BLANK COMMENT CARD BETWEEN THE ITEMS. EACH ITEM ENDS WITH A PERIOD. IF AN ITEM IS NOT APPLICABLE IT IS OMITTED FROM THE DOCUMENTATION. THE ITEMS ARE PLACED IN THE ORDER SPECIFIED AND THE LAST ITEM IS FOLLOWED BY A SPACE 4,10 CARD.

#### 2.3 PROGRAM-LEVEL DOCUMENTATION

EVERY PROGRAM CONTAINS COMMENT CARDS WHICH MAKE UP THE PROGRAM LEVEL DOCUMENTATION (AS DEFINED IN THIS SECTION). THIS LEVEL OF DOCUMENTATION MAY BE USED WITH THE PROGRAM LISTING OR WITHOUT IT (USING EXTRACTED DOCUMENTATION PRODUCED BY A DOCUMENTATION PROCESSOR). EVEN WITHOUT THE LISTING, THE PROGRAM LEVEL DOCUMENTATION SATISFIES THE DESIGN OVERVIEW, EXTERNAL INTERFACE

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AND INTERNAL OPERATION DOCUMENTATION NEEDS DISCUSSED IN SECTION 2.1.

### 2.3.1 OVERVIEW

THE OVERVIEW DOCUMENTATION IS PLACED IMMEDIATELY FOLLOWING THE COMPASS GROUP 1 INSTRUCTIONS AND BEFORE ANY OTHER DOCUMENTATION, MACRO DEFINITIONS OR EXECUTABLE CODE (SEE SECTION 3.2). IT CONSISTS OF AN OVERVIEW CARD (SEE SECTION 2.2.3) WHICH CONTAINS THE PROGRAM NAME AND A BRIEF DESCRIPTION OF THE PROGRAM, AND ADDITIONAL COMMENT CARDS WHICH CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.6 FOR THE LAYOUT OF THESE ITEMS):

- . NAME OF AUTHOR AND DATE WRITTEN (YY/MM/DD).
- . NAMES OF AUTHORS OF MAJOR MODIFICATIONS, WITH DATES.
- . TEXT OF OVERVIEW OF PROGRAM.

THE TEXT OF THE OVERVIEW SHOULD FOLLOW THE GENERAL DEFINITION OF DESIGN OVERVIEW DOCUMENTATION IN SECTION 2.1. THE OBJECTIVE IS TO DESCRIBE THE FUNCTION OF THE PROGRAM IN GENERAL TERMS.

### 2.3.2 EXTERNAL

THE EXTERNAL DOCUMENTATION IS PLACED IMMEDIATELY FOLLOWING THE OVERVIEW DOCUMENTATION AND BEFORE ANY INTERNAL DOCUMENTATION, MACRO DEFINITIONS OR EXECUTABLE CODE (SEE SECTION 3.2). IT CONSISTS OF AN EXTERNAL DOCUMENTATION CARD (SEE SECTION 2.2.3) AND ADDITIONAL COMMENT CARDS WHICH TOGETHER CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.6 FOR THE LAYOUT OF THESE ITEMS):

- . DETAILED DESCRIPTION OF FUNCTIONS AND OPTIONS.
- . ENTRY CONDITIONS, INCLUDING PARAMETERS AND INITIAL CONDITIONS OF BUFFERS AND EXTERNAL TABLES.
- . FORMAT OF THE CONTROL CARD CALL.
- . EXIT CONDITIONS, INCLUDING STATUS BITS AND FIELDS RETURNED.
- . ERRORS DETECTED, ERROR CODES RETURNED, INCLUDING SUBSEQUENT ACTION TAKEN FOR EACH.
- . SYSTEM ERRORS DETECTED AND SUBSEQUENT ACTION TAKEN.
- . OTHER PROGRAMS CALLED.
- . MESSAGES ISSUED (INCLUDING DAYFILE AND OPERATOR).

THE CONTENT OF THIS SECTION FOLLOWS THE GENERAL DEFINITION OF EXTERNAL INTERFACE DOCUMENTATION IN SECTION 2.1. THE OBJECTIVE IS TO SUPPLY INFORMATION REQUIRED BY A POTENTIAL USER OF THE PROGRAM.

**2.3.3 INTERNAL**

THE INTERNAL DOCUMENTATION DESCRIBES THE INTERNAL WORKINGS OF THE PROGRAM. IT MAY BE DISPERSED THROUGHOUT A PROGRAM AS DESIRED, HOWEVER A MAJOR PORTION APPEARS IMMEDIATELY FOLLOWING THE EXTERNAL DOCUMENTATION. INTERNAL DOCUMENTATION CONSISTS OF AN INTERNAL DOCUMENTATION CARD (SEE SECTION 2.2.3) AND ADDITIONAL COMMENT CARDS WHICH TOGETHER CONTAIN THE FOLLOWING ITEMS OF DATA (SEE SECTION 2.2.4 FOR THE LAYOUT OF THESE ITEMS):

- . SYSTEM TEXTS REQUIRED FOR ASSEMBLY (OTHER THAN DEFAULT).
- . DIRECT CELL USAGE (PPU PROGRAMS).
- . GLOBAL REGISTER ASSIGNMENTS (CPU PROGRAMS).
- . DATA AREAS AND TABLE FORMATS.
- . MEMORY MAP (IF OVERLAYS ARE USED).

OTHER ITEMS TO BE INCLUDED IF APPLICABLE ARE:

- . TECHNIQUES OR ALGORITHMS EMPLOYED WHERE NOT OBVIOUS.
- . TIMING CONSIDERATIONS.
- . INTERLOCK CONSIDERATIONS.
- . KNOWN LIMITATIONS TO PERFORMANCE OR EXTENSIBILITY, SUCH AS TIMING OF LOOPS, CORE SIZE, ERROR-RECOVERY DEFICIENCIES.

ANY OTHER INFORMATION WHICH WOULD AID SOMEONE IN UNDERSTANDING THE INTERNAL WORKINGS OF THE PROGRAM IS ALSO PROVIDED, INCLUDING LOGICAL FLOW, STRUCTURE, AND PITFALLS TO REDESIGN.

**2.4 SUBROUTINE LEVEL DOCUMENTATION**

THE HEADING OF ANY SUBROUTINE CONSISTS OF COMMENT CARDS GIVING A BRIEF DESCRIPTION OF ITS FUNCTION, ITS ENTRY AND EXIT CONDITIONS, REGISTER OR DIRECT CELL USAGE AND INTERNAL WORKINGS. THE INFORMATION CONTAINED SHOULD BE ON A LEVEL INDICATED BY THE COMPLEXITY OF THE SUBROUTINE. THE FOLLOWING ITEMS OF DATA SHOULD BE INCLUDED (SEE SECTIONS 2.6.2 AND 2.6.3 FOR THE LAYOUT OF THESE ITEMS):

- . TITLE CARD WITH NAME AS SUBTITLE (PRIMARY SUBROUTINE)
- . SPACE CARD (SEE SECTION 3.6.3)
- . INTERNAL COMMENT CARD GIVING NAME AND TITLE OF SUBROUTINE
- . ENTRY CONDITIONS (LIST)
- . EXIT CONDITIONS (LIST)
- . REGISTER OR DIRECT CELL USAGE (LIST)
- . ROUTINES CALLED (LIST)
- . MACROS CALLED (LIST)
- . DESCRIPTION OF ALLOCATED REGISTERS
- . TIMING CONSIDERATIONS, IF CRITICAL
- . DESIGN, IMPLEMENTATION AND GENERAL INFORMATION
- . TWO BLANK CARDS

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THE TITLE OF THE SUBROUTINE SHOULD DESCRIBE THE ACTION PERFORMED BY THE SUBROUTINE (FOR EXAMPLE, POSITION MASS STORAGE, MAKE QUEUE ENTRY). THIS MEANS THAT TITLES SHOULD ALWAYS CONTAIN A VERB. TITLES WITHOUT VERBS SHOULD BE USED FOR GROUPS OF SUBROUTINES AND CONSRXX DECKS.

DEFINED FORMATS EXIST FOR THE LIST OF ITEMS IN THE SUBROUTINE HEADING. A KEYWORD APPEARS IN COLUMN 11, FOLLOWED BY TEXT IN COLUMN 18. THE TEXT IS SIMPLY A LIST, RATHER THAN COMPLETE SENTENCES. ANY LIST REQUIRING MORE THAN ONE CARD IS CONTINUED BEGINNING IN COLUMN 18 (OR BEYOND) OF THE NEXT COMMENT CARD. THE FORMATS ARE SHOWN BELOW. EACH LIST ENDS WITH A PERIOD.

ENTRY	ENTRY CONDITIONS.
EXIT	EXIT CONDITIONS.
USES	REGISTER OR DIRECT CELLS DESTROYED.
CALLS	ROUTINES CALLED.
MACROS	MACROS CALLED.
DEFINE	LIST OF ALLOCATABLE REGISTERS.
TIMING	DESCRIPTION OF TIMING CONSIDERATIONS.
NOTES	PROGRAMMING INFORMATION.

DOCUMENTATION FOR COMMON DECKS AND ZERO LEVEL OVERLAYS SHOULD INCLUDE SUBROUTINE LEVEL DOCUMENTATION WHERE APPROPRIATE.

#### 2.4.1 ENTRY CONDITIONS

ENTRY CONDITIONS MAY INCLUDE THE FOLLOWING ITEMS:

- . REGISTERS, DIRECT CELLS OR MEMORY LOCATIONS THAT MUST BE SET BEFORE THE SUBROUTINE IS CALLED.
- . LOGICAL STATUS OF CHANNELS, FILES, ETC., (IE. CHANNELS RESERVED, FILES SET BUSY, DISK POSITIONED, FILES POSITIONED) THAT SHOULD EXIST BEFORE THE SUBROUTINE IS CALLED.

ONLY ONE ENTRY CONDITION MAY BE SPECIFIED PER LINE. FOR PPU CODE, THE CONTENTS OF THE A REGISTER SHOULD BE DESCRIBED FIRST.

#### 2.4.2 EXIT CONDITIONS

EXIT CONDITIONS INCLUDE THE FOLLOWING ITEMS:

- . REGISTERS, DIRECT CELLS OR MEMORY LOCATIONS THAT MAY BE USED BY SUBSEQUENT ROUTINES.
- . LOGICAL STATUS OF CHANNELS, FILES, ETC., (IE. CHANNELS RESERVED, FILES SET BUSY, DISK POSITIONED, FILES POSITIONED) THAT EXIST WHEN THE SUBROUTINE IS EXITED.
- . SPECIAL TERMINATIONS OF THE SUBROUTINE SUCH AS JUMPS TO ERROR PROCESSORS OR TO ANY OTHER ROUTINES. THE LABEL BEING

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JUMPED TO AND THE CONDITIONS THAT CAUSE THE SPECIAL EXIT SHOULD BE DOCUMENTED.

ONLY ONE EXIT CONDITION IS LISTED PER LINE. FOR PPU CODE, THE CONTENTS OF THE A REGISTER SHOULD BE DESCRIBED FIRST.

#### 2.4.3 REGISTER OR DIRECT CELL USAGE

REGISTERS OR DIRECT CELLS USED INCLUDE ALL REGISTERS OR DIRECT CELLS DESTROYED BY THAT SUBROUTINE ONLY.

FOR CPU CODE, THE FORMAT OF THE USES BLOCK INCLUDES A REGISTER TYPE (X - OPERAND REGISTER, A - ADDRESS REGISTER, B - INDEX REGISTER) FOLLOWED BY A SEQUENCE OF ASCENDING NUMBERS INDICATING THE REGISTERS USED.

EXAMPLE:

X - 0, 1, 6.  
A - 1, 6.  
B - 3, 7.

INDICATES THE FOLLOWING REGISTERS ARE USED:

X0, X1, X6, A1, A6, B3, B7.

FOR PPU CODE, SINGLE DIRECT CELLS ARE LISTED IN ALPHABETICAL ORDER FOLLOWED BY MULTIPLE DIRECT CELLS LISTED IN ALPHABETICAL ORDER.

EXAMPLE:

T1, T2, T5, CH - CH+4, RI - RI+1.

THE DIRECT CELL AT PPU MEMORY LOCATION 0 (T0) IS ASSUMED TO BE USED BY EVERY SUBROUTINE UNLESS OTHERWISE STATED IN THE ENTRY/EXIT CONDITIONS. THIS IS BECAUSE CERTAIN INSTRUCTIONS, SUCH AS CRM AND CWM, DESTROY LOCATION ZERO.

#### 2.4.4 ROUTINES CALLED

ROUTINES CALLED BY A SUBROUTINE INCLUDE ALL SUBROUTINES AND OVERLAYS THAT ARE EXPLICITLY CALLED. ROUTINES CALLED BY MACROS ARE NOT TO BE INCLUDED.

#### 2.4.5 MACROS CALLED

MACROS CALLED INCLUDE ALL MACROS THAT ARE EXPLICITLY CALLED BY A SUBROUTINE.



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#### 2.4.6 ALLOCATED REGISTERS OR DIRECT CELLS

ALLOCATED REGISTERS ARE REGISTERS (OR DIRECT CELLS FOR PPU CODE) USED FOR WELL DEFINED ITEMS THROUGHOUT A PARTICULAR SUBROUTINE OR PROGRAM.

#### 2.4.7 TIMING CONSIDERATIONS

TIMING CONSIDERATIONS SHOULD DESCRIBE ANY TIMING LIMITATIONS THAT ARE IMPOSED ON THE SUBROUTINE BECAUSE OF HARDWARE OR PERFORMANCE CONSTRAINTS. CARE SHOULD BE TAKEN TO EXPRESS UNITS OF TIME IN A MANNER INDEPENDENT OF MACHINE TYPE. FOR EXAMPLE, UNITS OF TIME EXPRESSED IN CYCLES RATHER THAN MICROSECONDS IS MORE DESIRABLE. THIS IS BECAUSE THE SAME ROUTINE MAY EXECUTE FASTER OR SLOWER THAN STATED DEPENDING ON THE TYPE OF THE PPU OR CPU IT EXECUTES IN.

#### 2.4.8 NOTES

THIS SECTION DOCUMENTS DESIGN, IMPLEMENTATION AND GENERAL INFORMATION THAT MAY BE USEFUL TO OTHER ANALYSTS. INFORMATION IN THIS SECTION PERTAINS TO THE SUBROUTINE ONLY.

#### 2.5 CODE LEVEL DOCUMENTATION

ALL DOCUMENTATION WHICH IS NOT DESCRIBED IN ONE OF THE PRECEDING SECTIONS OF THIS DOCUMENT FALLS INTO THE CATEGORY OF CODE LEVEL DOCUMENTATION. THE REQUIREMENTS FOR THIS TYPE OF DOCUMENTATION VARY WIDELY, SO FEW RULES CAN BE STATED; HOWEVER, CODE LEVEL DOCUMENTATION IS NECESSARY AND THE LACK OF EXPLICIT REQUIREMENTS MUST NOT LEAD TO ITS NEGLECT.

CODE LEVEL DOCUMENTATION, ALONG WITH THE SUBROUTINE HEADINGS, MUST SATISFY THE NEED FOR AID IN READING THE CODE. ITS CONTENT FOLLOWS THE GUIDELINES FOR DETAILED CODE ANALYSIS IN SECTION 2.1.4.

##### 2.5.1 STAND-ALONE COMMENTS

STAND-ALONE COMMENTS ARE COMMENT CARDS APPEARING IN-LINE WITH CODE, AS OPPOSED TO WITHIN HIGHER-LEVEL DOCUMENTATION PREVIOUSLY DEFINED. ALL STAND-ALONE COMMENTS ARE PRECEDED AND FOLLOWED BY ONE BLANK CARD.

STAND-ALONE COMMENTS DESCRIBE THE FUNCTION PERFORMED BY THE SUBSEQUENT SECTION OF IN-LINE CODE. THE COMMENTS ARE COMPLETE ENGLISH SENTENCES WITH CORRECT PUNCTUATION, ENDING WITH A PERIOD. THE COMMENTS REFER TO FUNCTIONS AND DATA IN EXTERNAL TERMS, RATHER THAN ONLY IN OCTAL NUMBERS AND BIT POSITIONS. THESE COMMENTS FOLLOW THE GENERAL REQUIREMENTS FOUND IN SECTION 2.2.

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### 2.5.2 EMBEDDED COMMENTS

EMBEDDED COMMENTS ARE COMMENTS IN COLUMNS 30-71 OF A CARD ASSEMBLED BY COMPASS, NOT A COMMENT CARD. THE COMMENT NEED NOT BE A COMPLETE SENTENCE. THIS TYPE OF COMMENT IS NEVER CONTINUED ONTO ANOTHER CARD. IF THE INTENDED COMMENT IS TOO LONG TO FIT ON THE SINGLE CARD, IT IS INSERTED AS A STAND-ALONE COMMENT PRECEDING THE AREA OF CODE TO WHICH IT APPLIES.

AN EMBEDDED COMMENT DESCRIBES THE FUNCTION OF THE INSTRUCTION OR SEQUENCE OF INSTRUCTIONS ON WHICH IT APPEARS. (IT MUST BE AT THE BEGINNING OF THE SEQUENCE.) IT DOES NOT DESCRIBE THE HARDWARE OPERATION BEING PERFORMED, BUT RATHER ITS MEANING IN THE CONTEXT OF THE FUNCTION TO BE PERFORMED BY THE PROGRAM.

AN EMBEDDED COMMENT IS REQUIRED ON EACH JUMP INSTRUCTION, TO IDENTIFY THE CONDITION BEING TESTED (CONDITIONAL JUMPS) OR THE ACTION BEING TAKEN (UNCONDITIONAL JUMPS). ON JUMP INSTRUCTIONS, THE WORD 'JUMP' IS SUPERFLUOUS, AND IS NOT USED. ON CONDITIONAL JUMPS, THE COMMENT BEGINS WITH THE WORD 'IF' AND DESCRIBES THE CONDITION ON WHICH THE JUMP WILL BE EXECUTED. THESE COMMENTS FOLLOW THE GENERAL REQUIREMENTS FOUND IN SECTION 2.2.

AN EMBEDDED COMMENT IS REQUIRED ON ALL PSEUDO TESTS (ERRNZ, ERRPL, ETC.). THE COMMENT SHOULD STATE THE CONDITION FOR WHICH THE TEST FAILS.

2.6 DOCUMENTATION EXAMPLES

THESE EXAMPLES ARE STATEMENTS OF THE STANDARD AND ARE INTENDED AS FURTHER CLARIFICATION OF THE REQUIRED PROCEDURES.

2.6.1 PROGRAM LEVEL

```

**** LIBEDIT - LIBRARY EDITING PROGRAM.
*
*   A. B. ORIGINAL.      74/01/01.
*   A. B. MODIFIER.     75/01/01.
*   C. D. MODIFIER.     76/01/01.
*
* LIBEDIT IS A GENERAL PURPOSE FILE EDITING
* PROGRAM CAPABLE OF MODIFYING AND
* GENERATING LIBRARY FILES.
SPACE   4,10
*** LIBEDIT IS A GENERAL PURPOSE FILE EDITING
* PROGRAM CAPABLE OF MODIFYING AND
* GENERATING LIBRARY FILES.
SPACE   4,10
*** CONTROL CARD CALL.
*
*
*
SPACE   4,10
*** DAYFILE MESSAGES.
*
*
*
SPACE   4,10
*** ACCOUNT MESSAGES.
*
*
*
SPACE   4,10
*** ERRLOG MESSAGES.
*
*
*
SPACE   4,10
*** OPERATOR MESSAGES.
*
*
*
SPACE   4,10
**** ASSEMBLY CONSTANTS.

BUFL   EQU       1001B          OUTPUT BUFFER LENGTH
****

```

2.6.2 SUBROUTINE LEVEL (PP CODE)

```

TITLE      ERROR PROCESSING ROUTINES.
LEM        SPACE      4,20
**        LEM - LIST ERROR MESSAGE.
*
*        ENTRY      (A) = 1 IF SINGLE BIT SECCED ERROR.
*                  - 2 IF STATUS/CONTROL REGISTER
*                  ERROR LIMIT.
*                  (SCRA - SCRA+20) = SCR IMAGE.
*                  (NL) = ADDRESS OF NEXT LIST ENTRY.
*
*        EXIT      (NL) = UPDATED LIST POINTER.
*                  TO *ERR* IF ERROR ENCOUNTERED.
*
*        USES      T1, T2, CM - CM+4, FN - FN+4.
*
*        CALLS     LMC.
*
*        MACROS     MONITOR, SUBR.
*
*        DEFINE     (T2) = FWA OF MESSAGE.
*
*        TIMING     A DELAY IS NEEDED TO AVOID FILLING THE
*                  DISK WITH ERRLOG MESSAGES.
*
LEM        SUBR              ENTRY/EXIT
          .
          .
          .
          UJN      LEMX      RETURN
    
```

2.6.3 SUBROUTINE LEVEL (CP CODE)

```

ACS      SPACE      4,20
**      ACS - ASSEMBLE CHARACTER STRING.
*
*      ENTRY      (B6) = FWA OF CHARACTER STRING.
*              (B7) = LENGTH OF STRING BUFFER.
*
*      EXIT      (CBUF - CBUF+20) = CHARACTER STRING.
*
*      USES      X - 0, 1, 6.
*              A - 1, 6.
*              B - 6, 7.
*
*      CALLS     MCI.
*
*      MACROS     SUBR.
*
*      DEFINE     (X0) = CHARACTER MASK.
    
```

```

ACS      SUBR              ENTRY/EXIT
.
.
.
EQ      ACSX              RETURN
    
```

### 3.0 CODING

#### 3.1 CARD/LINE LAYOUTS

##### 3.1.1 COMPASS OPERATION CARDS

THE FOLLOWING LIST OF COLUMN NUMBERS REPRESENT THE BEGINNING OF EACH FIELD IN A COMPASS CODING CARD OR LINE. (AN EXCEPTION IS ALLOWED FOR MACRO DEFINITIONS IN SYSTEM TEXTS WHERE SPACE IS CRITICAL.)

COLUMN 2 = LOCATION FIELD  
COLUMN 11 = OPERATION FIELD  
COLUMN 18 = ADDRESS FIELD  
COLUMN 30 = COMMENT FIELD  
COLUMN 73 = RESERVED

IF A FIELD IS FULL OR OVERFLOWS INTO AN ADJACENT FIELD, THEN TWO SPACES SHOULD SEPARATE THE FIELDS. COLUMN 72 OF THE COMMENT FIELD SHOULD ALWAYS BE BLANK.

##### 3.1.2 COMPASS COMMENT CARDS

THE FOLLOWING LIST OF COLUMN NUMBERS REPRESENT THE FORMAT OF A COMMENT CARD. A FULL DESCRIPTION OF WHERE AND HOW TO USE COMMENT CARDS IS FOUND IN SECTION 2.

COLUMN 1 = ALWAYS CONTAINS AN ASTERISK  
COLUMN 2-5 = (SEE SECTION 2.2.3)  
COLUMN 6-10 = ALWAYS BLANK  
COLUMN 11-72 = CONTAINS THE TEXT OF THE COMMENT  
COLUMN 73-80 = RESERVED

#### 3.2 PROGRAM LAYOUT

THE FOLLOWING SECTIONS DEFINE THE COMPONENTS OF A PROGRAM IN THE ORDER THEY APPEAR WITHIN THE PROGRAM. IT IS NOT EXPECTED OR REQUIRED THAT EVERY PROGRAM WILL CONSIST OF ALL COMPONENTS DESCRIBED. IN THIS DISCUSSION A 'PROGRAM' IS A RELOCATABLE PROGRAM UNIT (FROM 'IDENT' TO 'END'), AN ENTIRE ABSOLUTE PROGRAM OR A COMMON DECK. A SUBROUTINE IS A CLOSED ROUTINE WITHIN A PROGRAM.

3.2.1 GROUP 1 INSTRUCTIONS

GROUP 1 INSTRUCTIONS APPEAR AT THE BEGINNING OF EACH PROGRAM AND CONTAIN THE IDENTIFICATION AND ENVIRONMENT INFORMATION FOR THE PROGRAM. THE FOLLOWING EXAMPLES DEFINE THE LAYOUT OF THE GROUP 1 INSTRUCTIONS FOR EACH TYPE OF PROGRAM.

3.2.1.1 PERIPHERAL PROCESSOR PROGRAMS

```

IDENT      XXX,ORIGIN
MACHINE
PERIPH
NOLABEL    (OPTIONAL)
BASE      M      (DEADSTART ROUTINES)
LIST      (OPTIONAL)
SST
TITLE     XXX - PROGRAM DESCRIPTION.
*COMMENT  PROGRAM DESCRIPTION. (NOS ONLY)
COMMENT   PROG. DESC. (NOS/BE ONLY)
COMMENT   COPYRIGHT CONTROL DATA CORPORATION. YEAR.
XXX      SPACE   4,10
    
```

3.2.1.2 CENTRAL PROCESSOR PROGRAMS

```

IDENT      XXXXXXX,FWA
ABS
MACHINE    (OPTIONAL)
LCC        (OPTIONAL)
SST        (OPTIONAL)
ENTRY     XXXX (OPTIONAL)
SYSCOM    B1
LIST      (OPTIONAL)
TITLE     XXX - PROGRAM DESCRIPTION.
*COMMENT  PROGRAM DESCRIPTION. (NOS ONLY)
COMMENT   PROG. DESC. (NOS/BE ONLY)
COMMENT   COPYRIGHT CONTROL DATA CORPORATION. YEAR.
XXX      SPACE   4,10
    
```

3.2.1.3 COMMON DECKS

```

CTEXT     XXXXXXX - COMMON DECK DESCRIPTION.
SPACE     4,10
IF        -DEF,QUALS,1
QUAL      XXXXXXX
BASE      X      (X-ANY LEGAL VALUE)
CODE      X      (OPTIONAL)
*COMMENT  COPYRIGHT CONTROL DATA CORPORATION. YEAR.
XXX      SPACE   4,10
    
```

REFER TO SECTION 4.4.3 FOR FURTHER INFORMATION ON QUALIFICATION OF COMMON DECKS.

### 3.2.2 PROGRAM LEVEL DOCUMENTATION

PROGRAM LEVEL DOCUMENTATION CONSISTS OF OVERVIEW, EXTERNAL AND INTERNAL DOCUMENTATION AS DESCRIBED IN SECTION 2.3.

### 3.2.3 MACRO DEFINITIONS

THE MACROS ARE IN ALPHABETICAL ORDER. COMMON DECKS WHICH DEFINE MACROS SHOULD BE INCLUDED BEFORE LOCAL MACRO DEFINITIONS IN ALPHABETICAL ORDER.

### 3.2.4 INSTALLATION SYMBOL DEFINITIONS

INSTALLATION SYMBOLS ARE PARAMETERS THAT MAY BE CHANGED BY A SITE WHEN INSTALLING A PRODUCT. THESE SYMBOLS MAY INCLUDE BUFFER LENGTHS, DEFAULT VALUES, AND TIMING DELAYS. INSTALLATION SYMBOLS ARE DEFINED IN ALPHABETICAL ORDER UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL. THE INSTALLATION SYMBOL DEFINITION AREA SHOULD BE BRACKETED BY INTERNAL BRACKET CARDS (\*\*\*\*).

### 3.2.5 LOCAL SYMBOL DEFINITIONS

LOCAL SYMBOLS ARE PARAMETERS THAT SHOULD NOT BE CHANGED BY AN INSTALLATION. THESE SYMBOLS MAY INCLUDE CODE GENERATION SYMBOLS (EQUALS, DBIS, ETC.) AND SYMBOLS USED FOR CROSS REFERENCE PURPOSES. LOCAL SYMBOLS ARE DEFINED IN ALPHABETICAL ORDER, UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL.

### 3.2.6 GLOBAL MEMORY DEFINITIONS

THIS SECTION OF THE PROGRAM IS USED TO DEFINE MEMORY THAT IS PRESET WITH DATA. THIS SECTION MAY INCLUDE FETS, TABLES, AND WORKING STORAGE. GLOBAL MEMORY DEFINITIONS ARE DEFINED IN ALPHABETICAL ORDER UNLESS FUNCTIONAL ORDER IS MORE MEANINGFUL.

### 3.2.7 MAIN LOOP

THIS SECTION OF THE PROGRAM CONTAINS THE MAJOR LOGIC AND CONTROL FLOW FOR THE PROGRAM AND INTERNAL DOCUMENTATION FOR THAT FLOW (SEE SECTION 2.4).



3.2.8 PRIMARY SUBROUTINES

THIS SECTION OF THE PROGRAM CONTAINS THE SUBROUTINES WHICH ARE OF MAJOR IMPORTANCE TO THE PROGRAM. THEY SHOULD BE IN ALPHABETICAL ORDER UNLESS THERE IS A LOGICALLY ASSOCIATED SET OF SUBROUTINES WHICH INTERACT TOGETHER (IN WHICH CASE THESE SUBROUTINES MAY BE GROUPED TOGETHER). EACH SUBROUTINE CONTAINS DOCUMENTATION AS DESCRIBED IN SECTION 2.4.

3.2.9 SECONDARY SUBROUTINES

THIS SECTION OF THE PROGRAM CONTAINS SUBROUTINES OF MINOR IMPORTANCE TO THE PROGRAM. THEY SHOULD BE IN ALPHABETICAL ORDER UNLESS THERE IS A LOGICALLY ASSOCIATED SET OF SUBROUTINES WHICH INTERACT TOGETHER (IN WHICH CASE THESE SUBROUTINES MAY BE GROUPED TOGETHER). A TITLE CARD WITH THE SUBTITLE 'SECONDARY SUBROUTINES' PRECEDES THE FIRST SECONDARY SUBROUTINE. EACH SUBROUTINE CONTAINS DOCUMENTATION AS DESCRIBED IN SECTION 2.4.

COMMON DECKS (EXCEPT THOSE USED FOR INITIALIZATION) ARE AFTER THE SECONDARY SUBROUTINES. COMMON DECKS SHOULD BE LISTED IN ALPHABETICAL ORDER WHENEVER POSSIBLE.

3.2.10 WORKING STORAGE AND BUFFERS

THIS SECTION OF THE PROGRAM CONTAINS WORKING STORAGE AND BUFFER DEFINITIONS THAT ARE NOT PRESET WITH DATA. BUFFER DEFINITIONS SHOULD BE DEFINED WITH EQU INSTRUCTIONS. (REFER TO SECTION 3.4.5)

3.2.11 INITIALIZATION CODE

CODE WHICH MAY BE OVERLAYED AFTER PROGRAM INITIALIZATION IS INCLUDED HERE.

3.2.12 PROGRAM TERMINATION

ALL PROGRAMS END WITH AN 'END' STATEMENT EXCEPT COMMON DECKS WHICH END AS FOLLOWS:

```

BASE      *
CODE      *          (OPTIONAL IF CODE USED)
QUAL$    IF      -DEF,QUAL$
          QUAL    *
XXX      EQU     /XXXXXXXX/XXX  (UNQUALIFIED ENTRY POINT)
          .
          .
          .
QUAL$    ENDIF
XXX      ENDX
    
```

LOWER CYBER SYSTEMS PROGRAMMING STANDARD.

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IF 'CODE X' IS USED AT THE BEGINNING BUT 'CODE #' IS NOT USED AT THE END OF A COMMON DECK, IT MUST BE EXPLICITLY DOCUMENTED IN THE COMMON DECK HEADER.

### 3.3 INSTRUCTION USE, FORMAT AND PARAMETERS

#### 3.3.1 REGISTER USE AND SPECIFICATION

##### 3.3.1.1 B0 REGISTER USE

THE B0 REGISTER SHOULD NOT BE SPECIFIED IN INSTRUCTIONS WHICH TEST B REGISTERS. THE ASSEMBLER ASSUMES B0 IF THE REQUISITE NUMBER OF B REGISTERS IS NOT SPECIFIED.

##### 3.3.1.2 B1 REGISTER USE

THE B1 REGISTER MUST ALWAYS CONTAIN THE VALUE ONE (1). THE 'SYSCOM B1' MACRO IS INCLUDED IN EACH PROGRAM TO INDICATE THAT B1 WILL CONTAIN THIS VALUE. B1 MUST BE SET TO 1 IMMEDIATELY UPON PROGRAM ENTRY. B1 IS THEN USED BY COMPASS IN CONJUNCTION WITH THE R= PSEUDO INSTRUCTION TO GENERATE 15 BIT INSTRUCTIONS RATHER THAN 30 BIT INSTRUCTIONS.

##### 3.3.1.3 PACK AND NOMINAL SHIFT X REGISTERS

IN THE PACK AND NOMINAL SHIFT INSTRUCTIONS, THE X REGISTER IS SPECIFIED BEFORE THE B REGISTER, AS FOLLOWS:

```
PXI    XK,BJ
LXI    XK,BJ
```

##### 3.3.1.4 UNPACK AND NORMALIZE X REGISTERS

IN THE UNPACK AND NORMALIZE INSTRUCTIONS, THE B REGISTER IS SPECIFIED IN THE OPCODE FIELD IMMEDIATELY FOLLOWING THE OPCODE.

```
UXI,BJ  XK
NXI,BJ  XK
```

#### 3.3.2 MULTIPLE LOGICAL TESTS

WHEN A PPU PROGRAM TESTS A VALUE IN THE A-REGISTER FOR EQUALITY WITH SEVERAL POSSIBLE VALUES, IT IS DONE WITH A SEQUENCE OF LOGICAL DIFFERENCE (EXCLUSIVE 'OR') OPERATIONS, AS FOLLOWS:

```
LMC    AA
ZJN    XYZ12    IF TYPE AA
LMC    BB&AA
ZJN    XYZ24    IF TYPE BB
LMC    CC&BB
ZJN    XYZ36    IF TYPE CC
```

THE VALUE BEING TESTED IS SPECIFIED FIRST IN THE LMC.

### 3.3.3 SHIFT INSTRUCTION PARAMETERS

SHIFT COUNTS IN SHIFT INSTRUCTIONS WHICH ARE USED TO TEST BITS, ARE CODED IN ONE OF THE FOLLOWING FORMS:

A-B                    (FIRST SHIFT OF A WORD)  
 A-B-AA+BB+M        (NEXT SHIFT OF THE WORD)

WHERE:

- A    -THE DESIRED POSITION OF A BIT IN THE WORD.
- B    -THE ORIGINAL POSITION OF A BIT IN THE WORD (BEFORE ANY SHIFTS).
- AA, BB -THE A AND B PARAMETERS FROM THE PREVIOUS SHIFT OF THIS WORD.
- M    -MODULUS VALUE

NOTE: THE MODULUS VALUES (60 FOR CPU AND 228 FOR PPU) MAY HAVE TO BE ADDED TO THE SHIFT VALUE IF THE RESULTING VALUE IS NOT WITHIN THE LEGAL LIMITS FOR THE INSTRUCTION.

EXAMPLE:

1. TO SHIFT BIT 47 TO BIT 59:

LXI        59-47

2. TO SHIFT THE RESULT OF EXAMPLE 1 SO THAT BIT 32 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFTS) IS IN BIT 59 OF THE RESULT:

LXI        59-32-59+47

3. TO SHIFT THE RESULT OF EXAMPLE 2 SO THAT BIT 58 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFTS) IS IN BIT 59 OF THE RESULT:

LXI        59-58-59+32

EXAMPLE:

1. TO SHIFT BIT 2 TO BIT 21:

SHN        21-2

2. TO SHIFT THE RESULT OF EXAMPLE 1 SO THAT BIT 5 OF THE ORIGINAL REGISTER (BEFORE ANY SHIFT) IS IN BIT 21 OF THE RESULT:

SHN        21-5-21+22

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A MODULUS OF 220 IS NEEDED IN THIS CASE TO AVOID EXECUTING A RIGHT SHIFT (IE. THE RESULTANT SHIFT WOULD OTHERWISE BE NEGATIVE.)

### 3.3.4 BOOLEAN MASK USAGE

THE MASK CREATED FOR USE IN BOOLEAN INSTRUCTIONS DEPENDS ON WHETHER THE FIELD OF BITS TO BE EXTRACTED IS IN THE LEFT OR RIGHT HAND PART OF THE WORD. IF THE FIELD OF N BITS IS IN THE LEFT HAND PART OF THE WORD, USE THE FOLLOWING METHOD:

MXI        N  
BXJ        XI\* $X_K$  (XJ CONTAINS THE EXTRACTED FIELD)

IF THE FIELD OF N BITS IS IN THE RIGHT HAND PART OF THE WORD, THE FOLLOWING METHOD IS USED:

MXI        -N  
BXJ        -XI\* $X_K$  (XJ CONTAINS THE EXTRACTED FIELD)

IF THE MASK IS USED IN MORE THAN ONE WAY, THE FIRST USE DETERMINES HOW IT IS DEFINED.

### 3.3.5 RELATIVE ADDRESSING

RELATIVE ADDRESSING (SUCH AS  $\ast+N$  AND  $\ast-N$ , WHERE N IS A NUMERIC VALUE) SHOULD NOT BE USED EXCEPT:

1. IN TIMING DELAYS (WHERE  $\ast-1$  IS THE ONLY ACCEPTABLE VALUE).
2. FOR INSTRUCTION MODIFICATION (WHERE  $\ast-1$  OR  $\ast-2$  ARE THE ONLY ACCEPTABLE VALUES).
3. IN PPU CODE TO REFERENCE BYTES WITHIN A CPU WORD. THE RELATIVE ADDRESS MUST BE IN ONE OF THE FOLLOWING FORMS:

TAG+N  
TAG+C\*5+N

WHERE:

TAG = BASE ADDRESS  
C = CM WORD WITHIN THE PP BUFFER  
N = BYTE WITHIN THE CM WORD (0 - 4)

### 3.3.6 JUMP INSTRUCTION USE

UNCONDITIONAL JUMPS IN CPU CODE ARE CODED USING THE EQ INSTRUCTION SO THAT THE INSTRUCTION STACK IS NOT VOIDED. WHEN IT IS NECESSARY TO VOID THE INSTRUCTION STACK THE RJ INSTRUCTION IS USED. (THE RJ IS THE ONLY INSTRUCTION WHICH VOIDS THE STACK ON ALL CENTRAL PROCESSORS.)

A BLANK CARD IS INSERTED AFTER EACH UNCONDITIONAL JUMP INSTRUCTION TO INDICATE A BREAK IN THE PROGRAM FLOW. IF THE UNCONDITIONAL JUMP OCCURS AT THE END OF A SUBROUTINE, A SPACE CARD OR TITLE CARD MAY BE USED.

A BLANK CARD IS ALSO REQUIRED AFTER AN IMPLIED UNCONDITIONAL JUMP. THE FOLLOWING ARE EXAMPLES OF AN IMPLIED UNCONDITIONAL JUMP.

EXAMPLE:

A BLANK CARD SHOULD BE INSERTED AFTER MACRO CALLS THAT BREAK THE FLOW OF EXECUTION IN A SEQUENCE OF CODE.

```

      .
      .
      .
      NZ      X1,TAG2      IF COMMENT
      ABORT
      (BLANK CARD)
TAG2  SA1      B2
      .
      .
      .
    
```

EXAMPLE:

WHEN CODE OCCURS BEFORE THE SUBR, THERE SHOULD BE A BLANK CARD BETWEEN THE CODE AND THE SUBR.

```

TAG1  LDN      0          COMMENT
      (BLANK CARD)
TAG   SUBR          ENTRY/EXIT
      .
      .
      .
      UJN      TAGX      RETURN
    
```

3.3.7 SUBROUTINE ENTRY

EACH SUBROUTINE HAS ONE AND ONLY ONE ENTRY POINT. EXCEPTIONS ARE ALLOWED AS FOLLOWS:

IF MEMORY LIMITATIONS IN A PPU PROGRAM MAKE THIS IMPRACTICAL.

FOR TERMINAL SUBROUTINES (SUCH AS ERROR PROCESSORS). EACH ENTRY POINT SHOULD BE DOCUMENTED WITHIN THE SUBROUTINE.

PPU AND CPU SUBROUTINES WHICH ARE ENTERED VIA A RETURN JUMP CONTAIN THE FOLLOWING INSTRUCTION AT THEIR ENTRY/EXIT POINT:

TAG	SUBR		ENTRY/EXIT
	.		
	.		
	.		
	UJN	TAGX	RETURN

OR,

TAG	SUBR		ENTRY/EXIT
	.		
	.		
	.		
	EQ	TAGX	RETURN

WHEN SPACE IS CRITICAL IN A PPU PROGRAM, A SUBROUTINE MAY CONSIST OF A BLOCK OF CODE THAT IS ENTERED BY A LONG JUMP INSTRUCTION. IN THIS CASE, THE SUBROUTINE ENTRY POINTS SHOULD BE CLEARLY DOCUMENTED.

3.3.8 CPU CODE OPTIMIZATION

AN EFFORT SHOULD BE MADE TO AVOID THE GENERATION OF NO-OPS AT THE END OF A 60-BIT WORD. THIS MAY BE DONE BY ARRANGEMENT OF CODE SO THAT EACH 60-BIT WORD IS COMPLETELY FILLED WITH EXECUTABLE CODE. THIS IS ALSO DONE FOR INSTRUCTIONS WHICH HAVE AN OPTIONAL 'K' PARAMETER BY SUPPLYING A ZERO VALUE FOR 'K', THUS GENERATING A 30-BIT INSTRUCTION INSTEAD OF A 15-BIT INSTRUCTION. THE WAY TO DO THIS IS TO APPEND A '+' TO THE REGISTER IN THE VARIABLE FIELD OF THE INSTRUCTION, AS SHOWN BELOW:

SA4      A1+    (GENERATES 30-BIT INSTRUCTION)

THIS INDICATES THAT THE PADDING WAS ADDED FOR OPTIMIZATION PURPOSES AND IS TO BE REMOVED AS NECESSARY WHEN THE CODE IS MODIFIED.

3.3.9 CLEARING PPU MEMORY

THE FOLLOWING CODING SEQUENCES ARE USED TO CLEAR 5 CONSECUTIVE WORDS OF PPU MEMORY TO ZEROES:

```

-----
I          -NOS ONLY-
I
I          LDN      ZERL
I          CRD      TAG
-----
    
```

```

-----
I          -NOS/BE ONLY-
I
I          LDN      P.ZERO
I          CRD      TAG
-----
    
```

THE CONSTANTS ZERL AND P.ZERO SHOULD NOT BE ASSUMED TO BE AT ADDRESS ABSOLUTE ZERO IN MEMORY.

3.3.10 INSTRUCTION MODIFICATION

INSTRUCTIONS WHICH ARE MODIFIED ARE FOLLOWED BY A COMMENT WHICH SHOWS EACH ALTERNATIVE FORM UNDER WHICH THE INSTRUCTION CAN TAKE. THE FOLLOWING EXAMPLES SHOW THE LAYOUT USED:

EXAMPLE:

```

TAG      LDC      TRCO      SET READ FUNCTION
+        LDC      TMTD      (WRITE FUNCTION)
+        LDC      TFCN      (POSITION FUNCTION)
TAGA     EQU      *-1
    
```

EXAMPLE:

```

TAGA     LDC      +          RESTORE (T1)
+        LDC      (T1)      (CONTENTS OF T1)
          STD      T1
    
```

THE COMMENT IN ( ) SHOULD DESCRIBE THE CONDITIONS UNDER WHICH THE INSTRUCTION IS CHANGED.

PPU SHORT JUMP INSTRUCTIONS WHICH MUST BE MODIFIED ARE TESTED FOR RANGE ERRORS. THE LDC PSEUDO-OP IS USED AND THE JUMP INSTRUCTION ACTUALLY ASSEMBLED IF THE PROGRAM SIZE IS NOT A CRITICAL FACTOR. FOR EXAMPLE:

```

      .
      .
      .
TAGA  MJN      TAG1      IF TIME NOT EXPIRED
    
```



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```
*      UJN      TAG2      (ONE CPU ONLY)
      .
      .
      .
      LOC      TAGA
      UJN      TAG2
      LOC      *0
```

WHEN PROGRAM SIZE IS A CONSTRAINING FACTOR, THE ERRNG PSUEDO INSTRUCTION MAY BE USED TO TEST FOR RANGE ERRORS AS FOLLOWS:

```
ERRNG  37+DADDR-JADDR (COMMENT)
ERRNG  37+JADDR-DADDR (COMMENT)
```

WHERE:

```
JADDR  -ADDRESS OF JUMP INSTRUCTION
DADDR  -DESTINATION ADDRESS OF JUMP
```

INSTRUCTION MODIFICATION SHOULD BE AVOIDED IN CPU CODE. (CAUTION MUST BE TAKEN TO ENSURE THAT THE INSTRUCTION TO BE MODIFIED IS NOT ALREADY IN THE INSTRUCTION STACK.)

### 3.3.11 COMMON DECK REGISTER USAGE

CPU CODE WITHIN COMMON DECKS AVOIDS USING REGISTERS A0, A5, X0 AND X5 UNLESS ABSOLUTELY NECESSARY.

3.4 DATA USE, FORMAT AND PARAMETERS

3.4.1 LITERALS

LITERALS MAY BE USED FOR READ ONLY CONSTANTS ONLY.

3.4.2 DATA FORMATS

DATA IS SPECIFIED IN ITS NATURAL FORM (READABLE AND UNDERSTANDABLE BY HUMANS) USING POST-RADIX SYMBOLS AS REQUIRED (SEE SECTION 3.6.1). IF CONVERSION CONSIDERATIONS MAKE THIS IMPOSSIBLE, THE COMMENT FIELD WILL CONTAIN THE NATURAL FORM OF THE DATA. OCTAL VALUES ARE NOT USED FOR CHARACTER DATA UNLESS THE DATA CANNOT BE SPECIFIED IN ANY OTHER WAY. WHEN THE VFD IS USED, IT CANNOT GENERATE MORE THAN ONE CM WORD OF DATA.

ONLY ONE PIECE OF DATA IS SPECIFIED ON A LINE OF CODE UNLESS A BLOCK OF DATA IS BEING SPECIFIED FOR USE AS A SINGLE DATA ITEM, TO BE REFERENCED BY A SINGLE NAME.

3.4.3 TABLE GENERATION

TABLES WHICH ARE GENERATED WITH ENTRY ORDINALS RELATIVE TO THE BASE ADDRESS OF THE TABLE, SHOULD USE THE LOC PSEUDO-OP AS SHOWN IN THE FOLLOWING EXAMPLE:

TFCN	BSS	0	TABLE ENTRY
	LOC	0	
	CON	RNM	FIRST ENTRY
	CON	ACF	SECOND ENTRY
	.		
	.		
	CON	VSN	LAST ENTRY
	LOC	*0	
TFCNL	EQU	*-TFCN	TABLE LENGTH

WHERE TABLES ARE DESCRIBED, THEY ARE DEFINED SO THEY CAN BE PROCESSED BY THE 'DOCUMENTATION TABLE GENERATOR'. A DESCRIPTION OF THIS FORMAT IS FOUND IN THE EXTERNAL DOCUMENTATION FOR THE PROGRAM 'DOCHENT'.

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3.4.4 DIRECT CELL USE

DIRECT CELLS ARE DEFINED USING ONE OF THE FOLLOWING METHODS:

1. A SINGLE CELL:

XX	EQU	N	DESCRIPTION
----	-----	---	-------------

2. MULTIPLE CELLS:

XX	EQU	N - M	DESCRIPTION
----	-----	-------	-------------

3. CONTIGUOUS CELLS:

	LOC	N	
XX	BSS	1	DESCRIPTION
YY	BSS	5	DESCRIPTION
	.		
	.		
	.		
ZZ	BSS	1	DESCRIPTION
	LOC	+0	

WHERE:

- XX = THE TAG FOR THE CELL
- YY = THE TAG FOR THE CELL
- ZZ = THE TAG FOR THE CELL
- N = LOCATION OF THE CELL (OR FIRST CELL)
- M = LOCATION OF THE LAST CELL

MULTIPLE DEFINITIONS OF DIRECT CELLS SHOULD BE AVOIDED.

THE FIRST FEW DIRECT CELLS IN THE PPU SHOULD NOT BE USED FOR DATA WHICH IS CRITICAL TO DEBUGGING. THE DEADSTART DUMP PROCESS DESTROYS THE CONTENTS OF THESE LOCATIONS:

- NOS T0 - T3
- NOS/BE D.20 - D.24

3.4.5 BUFFER DEFINITIONS

BUFFERS AND WORKING STORAGE AREAS ARE DEFINED USING EQU STATEMENTS (RATHER THAN BSS AND BSSZ) TO AVOID UNNECESSARY LOADING OF THE BUFFER AREAS. THIS APPLIES TO CPU AND PPU CODE.

	USE	BUFFERS
IBUF	EQU	*
OBUF	EQU	IBUF+IBUFL

**3.5 DATA/CODE NAMING TERMINOLOGY****3.5.1 USE OF CONDITION TERMINOLOGY**

THE FOLLOWING TERMS ARE USED TO DESCRIBE THE CONDITION OF BITS USED AS FLAGS OR SWITCHES. THE SELECTED TERMS SHOULD BE USED CONSISTENTLY WITHIN A PROGRAM.

1	0
ON	OFF
TRUE	FALSE
SET	CLEAR
NONZERO	ZERO
UP	DOWN

**3.5.2 TAGS WITHIN SUBROUTINES**

EACH SUBROUTINE (MAIN LOOP, PRIMARY SUBROUTINE OR SECONDARY SUBROUTINE) HAS A MEANINGFUL THREE CHARACTER NAME WHICH IS DERIVED FROM THE TITLE OF THE SUBROUTINE (SEE SECTION 2.4).

TAGS USED FOR BRANCH INSTRUCTIONS ARE OF THE FORM:

XXXN

TAGS ON CODE WHICH IS ADDED LATER TO THE SUBROUTINE ARE OF THE FORM:

XXXN.N

TAGS THAT ARE INSERTED BETWEEN THE SUBR AND THE TAG XXXI BY CORRECTIVE CODE ARE OF THE FORM:

XXXO.N

TAGS ON STORAGE LOCATIONS (CONSTANTS, TEMPORARY STORAGE AND INSTRUCTION MODIFICATION) WITHIN A SUBROUTINE ARE OF THE FORM:

XXXA

WHERE:

XXX - SUBROUTINE NAME  
 XXXN - TAG PRECEDING AN ADDED ONE  
 N - NUMBER FROM 1 TO 99 (IN CONSECUTIVE ORDER BEGINNING AT THE ENTRY POINT AND ENDING AT THE EXIT POINT)  
 A - LETTER FROM A TO Z AND AA TO ZZ (IN ALPHABETICAL ORDER AND EXCLUDING X)

TAGS OF THE FORM XXXN, XXXN.N, AND XXXA SHOULD NOT BE REFERENCED OUTSIDE OF SUBROUTINE XXX.

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IF THE ABOVE RULES CANNOT BE FOLLOWED DUE TO TAG UNAVAILABILITY,  
THE ENTIRE SUBROUTINE WILL HAVE ITS TAGS RESEQUENCED.

### 3.5.3 TAGS ON DATA

#### 3.5.3.1 DIRECT CELLS

ALL LOCALLY DEFINED PPU DIRECT CELLS HAVE TWO-CHARACTER TAGS. (IN  
NOS ALL DIRECT CELLS HAVE TWO-CHARACTER TAGS.)

THE FOLLOWING TABLE DEFINES THE PREASSIGNED DIRECT CELL USAGE:

CONTENTS	NOS NAME	NOS LOCATION	NOS/BE NAME	NOS/BE LOCATION
CONTROL POINT RA	RA	55	D.RA	55
CONTROL POINT FL	FL	56	D.FL	56
1	ON	70	D.PPONE	70
100	HN	71	D.HN	71
1000	TH	72	D.TH	72
3	TR	73	D.TR	73
CPA ADDRESS	CP	74	D.CPAD	76
PPU INPUT REGISTER ADDRESS IA	IA	75	D.PPIR	74
PPU OUTPUT REGISTER ADDRESS OA	OA	76	--	--
PPU MESSAGE BUFFER ADDRESS MA	MA	77	D.PPMES1	75
PPU STATUS WORD ADDRESS	--	--	D.PPSTAT	77

#### 3.5.3.2 CODE CONTROL NAMES

NAMES USED FOR ASSEMBLY OPTIONS, MICROS AND TO CONTROL CODE  
GENERATION ARE FIVE OR MORE CHARACTERS LONG.

#### 3.5.3.3 TABLE NAMES

TAGS USED ON TABLES HAVE THE FORM:

TXXX

TAGS USED FOR TABLE LENGTHS HAVE THE FORM:

TXXXL

TAGS USED FOR TABLE ENTRY LENGTHS HAVE THE FORM:

TXXXE

WHERE:

XXX=3 CHARACTER TABLE NAME

3.5.3.4 GLOBAL MEMORY LOCATIONS

NAMES USED FOR GLOBAL MEMORY LOCATIONS (LOCATIONS REFERENCED BY MORE THAN ONE SUBROUTINE) ARE FOUR CHARACTERS LONG.

3.5.4 CONSTANTS USED AS INSTRUCTIONS

FOUR LETTER TAG NAMES SHOULD END IN 'I' IF (AND ONLY IF) THE TAG NAME IS DEFINING AN INSTRUCTION.

FOR EXAMPLE:

```
LJMI EQU 100B *LJM* INSTRUCTION
SHNI EQU 1000B *SHN* INSTRUCTION
```

CONSTANTS USED AS INSTRUCTIONS SHOULD BE DEFINED AND USED EVEN THOUGH THE CONTENTS OF A DIRECT CELL IS BEING USED TO MODIFY AN INSTRUCTION.

EXAMPLE:

THE DIRECT CELLS HN AND TH (SEE SECTION 3.5.3.1) MAY BE USED TO MODIFY LJM AND SHN INSTRUCTIONS. THE CONSTANT USED AS AN INSTRUCTION SHOULD BE USED AS FOLLOWS:

```
        LDD      TH+SHNI+0
        LMN      1
        STM      TAGA
        .
        .
        .
TAGA    SHN      0
*      SHN      1          (COMMENT)
```

3.5.5 IF/ELSE/ENDIF SYMBOLS

SYMBOLS USED ON IF, ELSE, ENDF AND SKIP PSUEDO INSTRUCTIONS ARE OF THE FORM:

.A

WHERE:

A = LETTER FROM A TO Z

3.5.6 NON-LOCAL MACRO SYMBOLS

TO AVOID CONFLICTS WITH USER CODE, NON-LOCAL SYMBOLS DEFINED WITHIN MACROS ARE OF THE FORM:

.N

WHERE:

N = NUMBER FROM 1 TO 99

### 3.5.7 LOW CORE LOCATION SYMBOLS

SYMBOLS THAT ARE USED TO DEFINE LOCATIONS IN LOW CORE (CMR) ARE OF THE FORM:

XXXL

### 3.5.8 CONTROL POINT AREA LOCATION SYMBOLS

SYMBOLS THAT ARE USED FOR DEFINING LOCATIONS IN THE CONTROL POINT AREA ARE OF THE FORM:

XXXM

### 3.5.9 MONITOR FUNCTION SYMBOLS

SYMBOLS USED FOR MONITOR FUNCTION REQUESTS ARE OF THE FORM:

XXXM

## 3.6 PSEUDO-INSTRUCTION USE, FORMAT AND PARAMETERS

### 3.6.1 BASE AND POST RADIX USE

THE BASE DECIMAL PSEUDO-OP IS USED IN ALL CPU CODE. THE BASE MIXED PSEUDO-OP IS USED IN ALL PPU CODE. POST RADIX IS ALLOWED FOR DATA FORMATS OTHER THAN OCTAL AND DECIMAL; IN SPECIFYING TIMING LOOPS WHERE DECIMAL VALUES ARE MORE MEANINGFUL TO HUMANS; AND WHERE EXTERNAL SPECIFICATIONS SUCH AS ANSI OR CORPORATE STANDARDS DICTATE THE USE OF A PARTICULAR FORMAT.

```
-----  
|                               -NOS/BE ONLY-                               |  
|  
| BASE MIXED IS USED FOR COMPLETE, NEWLY WRITTEN PPU PROGRAMS.           |  
| CHANGES TO EXISTING PROGRAMS CONFORM TO THE EXISTING BASE.           |  
-----
```

### 3.6.2 EXTERNAL REFERENCES

THE EXT PSEUDO-OP IS NOT USED. ALL REFERENCES TO EXTERNAL NAMES USE THE FORM =XNAME. IN AN ABSOLUTE ASSEMBLY, REFERENCES TO LOCATIONS IN OTHER OVERLAYS USE THE FORM =XNAME.

3.6.3 SPACE CARD FORMAT

THE FORMAT OF THE SPACE PSEUDO INSTRUCTION IS:

TAG      SPACE      4,N

WHERE:

TAG      =TABLE, MACRO OR SUBROUTINE NAME  
 N        =STATEMENT COUNT

THE STATEMENT COUNT IS A MULTIPLE OF 5 THAT IS GREATER OR EQUAL TO 10. IT SHOULD BE LARGE ENOUGH TO AVOID BREAKING DOCUMENTATION ACROSS PAGE BOUNDARIES.

3.6.4 CONDITIONAL CODE

NUMERIC SKIP COUNTS ARE NOT USED WITH IF, IFC, ELSE, ETC., BECAUSE THIS MAKES CODE DIFFICULT TO READ (ESPECIALLY WHEN THE SKIPPED LINES ARE NOT LISTED). ENDF SHOULD BE USED INSTEAD. AN EXCEPTION IS ALLOWED FOR SYSTEMS TEXTS WHERE SPACE IS CRITICAL.

CONDITIONAL SEQUENCES SHOULD BE BRACKETED WITH LABELS (REFER TO SECTION 3.5.5) WHICH ALLOWS THEM TO BE EASILY SPOTTED AND MATCHED IN LISTINGS.

WHEN EITHER END OF A SEQUENCE OF CONDITIONAL CODE OCCURS AT A BREAK IN THE LISTING (SPACE, TITLE, OR BLANK LINES), THE SPACING CARDS SHOULD BE PLACED SO THAT SPACING WILL BE CORRECT WHETHER THE TEST IS TRUE OR FALSE. USUALLY THIS MEANS MOVING THE SPACING OUTSIDE THE CONDITIONAL CODE.

EXAMPLE:

```

      .
      .
      .
      EQ            TAG1            CONTINUE
      (BLANK CARD)            (OUTSIDE CONDITIONAL CODE)
.A    IFC            EQ,**SYSTEM**SCOPE*
TAG3  CONTROLC TAGA,R            READ CONTROL CARD
      EQ            TAGX            RETURN
      (BLANK CARD)
TAGA  CON            10B            CONTROLC READ FUNCTION
.A    ELSE
TAG3  CONTROL        CCCR            READ CONTROL CARD
      EQ            TAGX            RETURN
.A    ENDF
ABC    SPACE         4,10            (OUTSIDE CONDITIONAL CODE)
    
```



3.6.5 MACROS

MACRO DEFINITIONS SHOULD INCLUDE A DESCRIPTION OF HOW THE MACRO IS CALLED AND A DESCRIPTION OF ALL FORMAL PARAMETERS.

THE PURGMAC PSUEDO INSTRUCTION SHOULD BE USED TO DISABLE ANY PREVIOUS MACRO DEFINITIONS OF THE SAME NAME.

NON-LOCAL SYMBOL DEFINITIONS SHOULD BE OF THE FORM .N (SEE SECTION 3.5.7).

TO AVOID TERMINATING MULTIPLE MACRO DEFINITIONS, THE ENDM INSTRUCTION SHOULD BE LABELED WITH THE MACRO NAME.

3.7 TESTS FOR OVERFLOW

CPU AND PPU PROGRAMS SHOULD CONTAIN ASSEMBLY CHECKS FOR CERTAIN TYPES OF OVERFLOW CONDITIONS. THE FOLLOWING POINTS SHOULD BE CONSIDERED WHEN MAKING THE CHECKS.

PPU PROGRAMS AND OVERLAYS ARE GENERATED BY COMPASS IN MULTIPLES OF 5 PPU BYTES (1 CM WORD). THEREFORE, WHEN READING AN OVERLAY FROM CENTRAL MEMORY TO PPU MEMORY, MORE PPU BYTES MAY BE DESTROYED THAN THE ACTUAL NUMBER OF BYTES OF PPU CODE.

OVERLAYS LOADED FROM MASS STORAGE TO PPU MEMORY COME IN MULTIPLIES OF 500 PPU BYTES. AT LEAST 5 BYTES OF THE LAST PRU ARE REQUIRED TO REPRESENT END OF RECORD WHICH CAN INCREASE THE SIZE OF THE OVERLAY BY ONE PRU (500 BYTES).

CARE SHOULD BE TAKEN TO ENSURE THAT THE LITERALS BLOCK HAS BEEN DEFINED BEFORE CHECKING FOR THE OVERFLOW CONDITIONS.

3.7.1 CM LOADS

ALL PPU PROGRAMS INCLUDE A TEST FOR THE AMOUNT OF CORE REMAINING AFTER A CM LOAD AS SHOWN IN THE FOLLOWING EXAMPLE:

	USE	OVERFLOW	
XXX	BSS	0	
	ERRNG	7772-XXX	PPU MEMORY OVERFLOW

WHERE:

XXX -TAG FOR THE LAST LOCATION DEFINED

3.7.2 TABLE OVERFLOW

IF A PPU PROGRAM USES MORE STORAGE THAN IT DECLARES, ITS LENGTH IS CHECKED AS SHOWN IN THE FOLLOWING EXAMPLE:

	USE	OVERFLOW	
XXX	BSS	0	
XXXE	EQU	XXX+XXXL	
	ERRNG	7777-XXXE	CHECK FOR OVERFLOW

WHERE:

XXX =TAG FOR THE LAST LOCATION DEFINED  
 XXXL=LENGTH OF UNDECLARED SPACE  
 XXXE=END OF SPACE USED

### 3.7.3 MASS STORAGE LOADS

```

-----
I           -NOS ONLY-
I
I A TEST WILL BE INCLUDED IN EACH PPU PROGRAM WHICH MAY RESIDE
I ON MASS STORAGE. THIS TEST WILL PROTECT AGAINST A LOAD WHICH
I EXCEEDS THE END OF MEMORY IN THE PPU CAUSING WRAP AROUND. THE
I 'OVERFLOW' MACRO IS AVAILABLE IN COMPMAC FOR THIS OPERATION.
-----
    
```

### 3.7.4 OVERLAY LOADS

PROGRAMS CALLING OVERLAYS SHOULD TEST FOR MEMORY OVERFLOW WITH THE FOLLOWING TEST:

ERRNG (LWA+1)-(LOAD ADDR)-LEN COMMENT

WHERE:

LWA+1 = FIRST BYTE NOT TO BE DESTROYED BY THE ZERO  
 LEVEL OVERLAY  
 LOAD ADDR = ADDRESS WHERE THE OVERLAY IS LOADED  
 LEN = LENGTH OF OVERLAY

THE LENGTH OF AN OVERLAY IS DEFINED TO BE THE NUMBER OF BYTES DESTROYED BY THE OVERLAY DURING LOADING AND EXECUTION. THE OVERLAY SHOULD ALSO CONTAIN A TEST TO ENSURE THAT IT DOES NOT EXCEED ITS DEFINED LENGTH. THE OVERLAY LENGTH CAN BE ADJUSTED TO A HIGHER OR SMALLER VALUE AS LONG AS NONE OF THE TESTS FAIL.

### 3.8 RELOCATABLE CPU CODE

THE FIRST WORD OF A RELOCATABLE CPU PROGRAM SHOULD BE OF THE FORMAT:

42/OLDECK, 18/ADDR

THIS WORD IS CAN BE USED TO LOCATE THE FIRST WORD ADDRESS AND ENTRY POINT OF A ROUTINE IN A CM DUMP.

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WHERE:

DECK = DECK NAME  
ADDR = ENTRY ADDRESS OF PROGRAM

THE CONTENTS OF AO MUST NEVER BE USED IN A LIBRARY LEVEL ROUTINE  
UNLESS IT IS SAVED AND RESTORED. AO IS USED BY FTM AS A BASE  
REGISTER FOR FORMAL PARAMETERS IN SUBROUTINE LINKAGES.

4.0 MISCELLANEOUS

4.1 PROGRAM NAMING

4.1.1 LENGTH OF PROGRAM NAME

PERIPHERAL PROCESSOR PROGRAM NAMES ARE 3 CHARACTERS LONG.

CENTRAL PROCESSOR PROGRAM NAMES ARE 4 TO 7 CHARACTERS LONG.

4.1.2 RESERVED NAMES

THE FOLLOWING PPU PROGRAM NAMES ARE RESERVED OR PRESENTLY DEFINED FOR USE (X MEANS ANY CHARACTER LEGAL IN A PPU PROGRAM NAME AND N MEANS ANY NUMBER BETWEEN 0 - 9):

UXX	RESERVED FOR INSTALLATIONS
NUX	RESERVED FOR INSTALLATIONS
9AA-9T9	RESERVED FOR SYSTEM USE
9VA-9Z9	RESERVED FOR SYSTEM USE
90A-929	RESERVED FOR DIAGNOSTICS
93A-939	RESERVED FOR SYSTEM USE

```

-----
I          -NOS ONLY-
I
I
I
I      6XX      CALLABLE MASS STORAGE DRIVERS
I      7XX      MASS STORAGE ERROR PROCESSING OVERLAYS
I      9AA-9D9  DSD OVERLAYS
I      9EA-9F9  DIS OVERLAYS
I      9GA-9G9  Q26 OVERLAYS
I      OXX      LOCATION FREE OVERLAYS
I      OCX      CONTROLWARE IDENTIFICATION PROCESSORS
I      OPX      PACK NUMBER IDENTIFICATION PROCESSORS
I      OTX      AUTOMATIC TRACK FLAW PROCESSORS
I
I      UXXL     PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I      UXXM     PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I      UXXP     PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I      UXXW     PPCOM SYMBOL - RESERVED FOR INSTALLATIONS
I
-----

```

```
-----  
I          -NOS/BE ONLY--  
I  
I  
I          OFA-OF9   RESERVED FOR SYSTEM USE  
I          OZA-OZ9   RESERVED FOR SYSTEM USE  
I          IZA-IZ9   INTERCOM DRIVERS  
I          BXX      RESERVED FOR SYSTEM USE  
I  
-----
```

#### 4.1.3 COMMON DECK NAMES

COMMON DECK NAMES ARE SEVEN CHARACTERS IN LENGTH AND IN THE FOLLOWING FORM:

COMXAAA

WHERE:

- AAA - THE NAME OF THE ROUTINE OR A SYMBOLIC NAME IF NO ROUTINE NAME.
- X - ONE OF THE FOLLOWING COMMON DECK INDICATORS:
  - C - CPU CODE
  - P - PPU CODE
  - S - SUBSYSTEM TEXT SYMBOLS, CONSTANTS ETC.
  - D - DISPLAY DRIVER CODE
  - T - TABLES
  - M - MASS STORAGE ERROR EQUIVALENTS
  - B - DATA MANAGER
  - K - TRANSACTION SUBSYSTEM
  - I - INITIALIZATION

#### 4.2 CODE TRANSMITTAL RULES

CODE WHICH IS TO BE INTEGRATED INTO A SYSTEM BUILT FOR EVENTUAL RELEASE TO THE FIELD IS IDENTIFIED AND FORMATTED AS DESCRIBED IN THIS SECTION.

#### 4.2.1 GENERAL RULES

EACH EXTERNAL PSR BEING ANSWERED HAS A CORRESPONDING CORRECTIVE CODE IDENTIFIER (TO BE DESCRIBED LATER). CORRECTIVE CODE ANSWERING OTHER PSRS IS NOT INCLUDED IN THE MODIFICATION UNDER THIS IDENTIFIER. EXCEPTIONS ARE ALLOWED WHERE REQUIRED BY INTERRELATED MODIFICATIONS FOR SEVERAL PSRS.

CORRECTIONS ARE PLACED IN ASCENDING ORDER; I. E., THE CORRECTIONS ARE SORTED IN THE SAME ORDER THAT THE LINES BEING CORRECTED APPEAR ON THE PROGRAM LIBRARY. IF A SINGLE MODIFICATION CHANGES SEVERAL DECKS, THEN THE CORRECTIONS ARE ALSO SORTED IN THE ORDER THAT THE DECKS APPEAR ON THE PROGRAM LIBRARY.

CORRECTIONS MODIFYING LINES WITH PREVIOUSLY MODIFIED SEQUENCE NUMBERS INCLUDE THE LINE NUMBER OF THE NEAREST PRECEDING ORIGINAL LINE IN PARENTHESIS IN THE COMMENTS FIELD OF THE MODIFY DIRECTIVE.

#### 4.2.2 NOS MODSET FORMAT

##### 4.2.2.1 MODSET IDENTIFIER

THE NOS MODSET IDENTIFIER CONSISTS OF THREE TO FIVE ALPHANUMERIC CHARACTERS WHICH ARE EXTRACTED FROM THE DECK NAME AS FOLLOWS:

1. FOR COMMON DECKS THAT BEGIN WITH 'COM' USE THE LAST FOUR CHARACTERS OF THE NAME.
2. FOR PPU PROGRAMS USE THE THREE CHARACTER PROGRAM NAME.
3. ALL OTHER DECKS USE THE FIRST FIVE CHARACTERS OF THE DECK NAME; IF THE DECK NAME IS LESS THAN SIX CHARACTERS USE THE ENTIRE DECK NAME.
4. MODIFICATIONS WHICH INVOLVE MULTIPLE DECKS ARE GIVEN THE MODSET IDENTIFIER 'KRANNN'.
5. MODIFICATIONS WHICH ONLY CORRECT DOCUMENTATION WITHIN A DECK ARE LUMPED TOGETHER FOR EACH CORRECTIVE CODE RELEASE AND GIVEN THE MODSET IDENTIFIER 'DOKNN'. THIS DOES NOT INCLUDE LINES OF CODE WHICH HAVE DOCUMENTATION CHANGES IN THEM.
6. IF A MODSET IS ADDING A NEW FEATURE, THE FEATURE IDENTIFIER FOR EACH DECK MODIFIED IS OBTAINED FROM NOS CODE CONTROL.
7. UPON RELEASE OF THE SYSTEM, A 'COMPOSITE' MODSET IS GENERATED FROM ALL FEATURE CODE WHICH IS TO BE RELEASED. THE NAMES INCLUDE:

K21000 - KRONOS 2.1 OS  
K22000 - KRONOS 2.1.2/NOS 1.0 OS  
N11000 - NOS 1.1 OS  
N12000 - NOS 1.2 OS

FUTURE FEATURE CODE MODSETS WILL FOLLOW THE SAME FORMAT.

4.2.2.2 MODSET SEQUENCE NUMBER

THE MODSET SEQUENCE NUMBER IS A ONE TO THREE DIGIT NUMBER APPENDED TO THE MODSET IDENTIFIER.

4.2.2.3 MODSET CORRECTION LETTER

WHEN A MODSET IS CORRECTING A PREVIOUS MODSET, ONE ALPHABETIC CHARACTER (STARTING WITH A) WILL BE APPENDED TO THE SEQUENCE NUMBER. WHENEVER A MODSET CORRECTION LETTER OF 'B' OR ABOVE IS REQUIRED, THE COMMENTS HEADER OF THE MODSET MUST INDICATE WHICH PREVIOUS MODSET IS BEING CORRECTED.

4.2.2.4 OVERFLOW

WHENEVER A MODSET IDENTIFIER USING THE ABOVE CONVENTIONS EXCEEDS SEVEN CHARACTERS, TRUNCATE THE LAST CHARACTER(S) OF THE DECK NAME TO REDUCE THE IDENTIFIER TO SEVEN CHARACTERS.

4.2.2.5 MODSET EXAMPLE

THE FOLLOWING FORMAT IS USED FOR CORRECTIVE CODE MODSETS:

1	11	18	30	(COLUMN NUMBERS)
+-----+-----+-----+-----+				
IDENT				
*IDENT	IDENT	INITIALS.	YY/MM/DD.	
*/	****	SYSTEM.		
*/	****	PSR NUMBER.		
*/	*****	COMMENTS.		
*/	(CONTINUATION OF COMMENTS).			
*DECK	DECKNAME			
*I,	SEQUENCE NUMBER			
*D,	SEQUENCE NUMBER			
*D,	MODNAME.	SEQUENCE NUMBER	(NEAREST ORIGINAL SEQ. NO.)	
*EDIT	DECKNAME		(IF COMMON DECK)	
*/	END OF MODSET.			

WHERE:

- IDENT - MODSET IDENTIFIER.
- YY/MM/DD - DATE OF LAST MODSET CHANGE.
- SYSTEM - NAME OF SYSTEM IN WHICH THE MODSET WILL BE RELEASED. (IE - NOS 1.2 OS. OR NOS 2.0 OS.)

COMMENTS ARE TO BE INCLUDED TO INDICATE WHAT THE CORRECTIVE CODE IS FIXING. THE \*READPL DIRECTIVE IS NOT USED.

#### 4.2.3 NOS/BE CORRECTION SET FORMAT

##### 4.2.3.1 CORRECTION SET IDENTIFIER

THE IDENTIFIER USED FOR PSR CORRECTIONS IS THE EXTERNAL PSR NUMBER. WHEN INTERNAL PSRS ARE ANSWERED, AN EXTERNAL PSR NUMBER IS OBTAINED BEFORE SUBMITTING THE CODE FOR INTEGRATION. THE IDENTIFIERS USED FOR FEATURE CODE WHICH MODIFIES EXISTING DECKS ARE OF THE FORM:

FNNNAA

WHERE:

NNNN = THE FOUR DIGIT FEATURE NUMBER OBTAINED FROM THE SOFTWARE IMPLEMENTATION PLAN.

AA = TWO ALPHABETICAL CHARACTERS ASSIGNED BY THE PROJECT LEADER FOR EACH DECK MODIFIED.

FEATURE CODE WHICH ADDS NEW DECKS FOLLOW THE PROCEDURE IN SECTION 4.2.3.4. CORRECTIVE CODE AGAINST FEATURES DURING THE I AND E CYCLE USE IDENTIFIERS OF THE FORM:

CNNNNYY

WHERE:

NNNN = THE FOUR DIGIT FEATURE NUMBER BEING CORRECTED.

YY = TWO ALPHABETICAL CHARACTERS ASSIGNED BY THE PROJECT LEADER.

##### 4.2.3.2 CORRECTION HISTORY

EACH CORRECTION SET INCLUDES CARDS TO BE INSERTED IN THE HISTORY DECK WHICH CONTAIN A DESCRIPTION OF THE CHANGE BEING MADE (INCLUDING THE PROBLEM DESCRIPTION FOR PSRS), THE DATE OF THE MODIFICATION, AND A LIST OF THE DECKS MODIFIED. THESE CARDS APPEAR FOLLOWING THE IDENT CARD AND BEFORE THE FIRST CORRECTION TO THE CODE.

##### 4.2.3.3 CORRECTION APPLICABILITY

IF CODE IS APPLICABLE TO MORE THAN ONE VERSION OF A PARTICULAR PRODUCT, SUCH APPLICABILITY IS SHOWN ON AN UPDATE COMMENT CARD PLACED IMMEDIATELY AFTER THE IDENT CARD.



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#### 4.2.3.4 NEW DECKS

THE RECOMMENDED WAY OF ADDING A NEW DECK OR COMMON DECK IS AS FOLLOWS:

```
*IDENT NAME
*BEFORE NEXTDECK.1
*DECK NAME
  OR
*COMDECK NAME
```

THE USE OF IDENTICAL NAMES FOR IDENT AND DECK PRODUCES PROPER SEQUENCE NUMBERS ON THE RESULTING PL.

#### 4.2.3.5 SPECIAL UPDATE DIRECTIVES

THE UPDATE DIRECTIVES ADDFILE, COPY, AND DECLARE ARE NOT USED IN PSR CORRECTION SETS.

#### 4.2.3.6 CORRECTION SET EXAMPLE

```
*IDENT IDENT
*/ CORRECTION APPLICABILITY (OPTIONAL)
*B,HISTORY.2
  IDENT DESCRIPTION OF PROBLEM AND CORRECTION
          (CONTINUATION OF DESCRIPTION)
          YY/MM/DD DECKS MODIFIED
*I,SEQUENCE NUMBER
*D,SEQUENCE NUMBER (NEAREST ORIGINAL LINE NO.)
  .
  .
  .
*C DECKS MODIFIED
```

### 4.3 INTERFACE CONSIDERATIONS

#### 4.3.1 SYSTEM SUPPLIED INTERFACES

ALL INTERACTIONS BETWEEN PROGRAMS (CPU AND PPU) AND THE SYSTEM USE SYSTEM-SUPPLIED MACROS, LINKAGE LABELS OR COMMON DECKS. IN PPU PROGRAMS THE SYSTEM DEFINED DIRECT CELLS ARE ONLY USED AS DEFINED BY THE SYSTEM. (SEE SECTION 3.5.3.1)

#### 4.3.2 PARAMETER VALIDATION

EACH PARAMETER PASSED BETWEEN PROGRAMS WILL BE VALIDATED OR PROCESSED IN A WAY THAT PROTECTS THE PROGRAM FROM UNCONTROLLED ACTIONS CAUSED BY UNEXPECTED VALUES.

#### 4.3.3 MEMORY ACCESS

PPU PROGRAMS WHICH ACCESS THE FIELD LENGTH OF A JOB WILL ENSURE THAT NO COMBINATION OF PARAMETERS, ERRORS, ETC. WILL CAUSE ACCESS TO AN ADDRESS OUTSIDE OF THAT FIELD LENGTH. ADDRESSES SHOULD BE VALIDATED PRIOR TO USING THEM FOR A CM READ OR WRITE TO AVOID REFERENCING AREAS OF MEMORY OUTSIDE OF THE CONTROL POINTS FIELD LENGTH.

#### 4.3.4 SECURITY

PROGRAMS THAT PERFORM PRIVILEGED FUNCTIONS MUST ENSURE THAT THE REQUESTER OF THE FUNCTION HAS BEEN GIVEN PERMISSION BY THE SYSTEM TO USE THE FUNCTION. THIS ALSO APPLIES TO THE USE OF SPECIAL DEVICE DRIVERS, WHICH COULD BE CALLED ACCIDENTALLY OR MALICIOUSLY BY UNAUTHORIZED USERS. WHERE COMMON DECKS ARE AVAILABLE TO CHECK SECURITY OR PRIVILEGES, THEY SHOULD BE USED RATHER THAN LOCALLY WRITTEN CODE.

#### 4.3.5 RESERVATIONS AND INTERLOCKS

RESERVATIONS AND INTERLOCKS ARE ONLY USED AS DEFINED BY THE SYSTEM AND ARE RELEASED AS SOON AS POSSIBLE. NON-ESSENTIAL CODE IS NOT EXECUTED WHILE A RESERVATION OR INTERLOCK IS IN EFFECT.

IN CASES WHERE A RESERVATION REJECT COULD OCCUR, THE PROGRAM WILL:

1. CONTROL THE RATE OF RESERVATION RE-ISSUE.
2. DETECT AND RESPOND TO ERROR CONDITIONS.
3. PROTECT AGAINST STORAGE MOVE LOCKUP.

PROGRAMS WHICH USE RESERVATIONS AND INTERLOCKS WILL ENSURE THAT THE CONDITIONS ARE RELEASED NO MATTER WHAT PROGRAM PATH IS TAKEN.

WHEN MULTIPLE INTERLOCKS ARE REQUIRED, ALL PROGRAMS IN THE OPERATING SYSTEM MUST REQUEST THE INTERLOCKS IN THE SAME ORDER. WHEN A REJECT OCCURS WHEN ATTEMPTING TO OBTAIN SUCH INTERLOCKS, ALL RESERVATIONS HELD MUST BE RELEASED AND THE ENTIRE SEQUENCE OF INTERLOCKING MUST BEGIN AGAIN.

UNDER NOS, CARE MUST BE TAKEN TO NOT ISSUE DAYFILE MESSAGES, LOAD OVERLAYS, OR PAUSE WITH NON-DEDICATED CHANNEL(S) RESERVED.

#### 4.3.6 DOCUMENTING HARDWARE DEFICIENCIES

INSTRUCTIONS WHICH ARE INCLUDED TO COMPENSATE FOR HARDWARE DEFICIENCIES ARE DOCUMENTED WITH A BRIEF DESCRIPTION OR IDENTIFICATION OF THE DEFICIENCY.

#### 4.4 MODULARITY

##### 4.4.1 PPU OVERLAYS

PPU PROGRAMS USE OVERLAYS WHENEVER POSSIBLE TO IMPROVE THE LONG RANGE PERFORMANCE OF THE SYSTEM. OVERLAYS ARE USED FOR ANY SELDOM EXECUTED CODE SUCH AS ERROR HANDLING AND SELDOM USED FEATURES.

##### 4.4.2 HELPER PPU-S

HELPER PPU-S ARE NOT USED UNLESS NO OTHER METHOD EXISTS. THE AVAILABILITY OF PPU-S WHEN NEEDED SHOULD BE CONSIDERED.

##### 4.4.3 COMMON DECKS

A COMMON DECK CONTAINING EXECUTABLE CODE CONSISTS OF ONE OR MORE SUBROUTINES (AS DEFINED IN SECTIONS 3.2.6 AND 3.2.7) AND ANY ASSOCIATED DATA STORAGE AREAS. THE PURPOSE OF COMMON DECKS IS TO INCREASE EFFICIENCY IN WRITING CODE, ENSURE UNIFORMITY OF CODE AND DECREASE DEBUGGING TIME. COMMON DECKS CONTAIN OPTIMIZED CODE AND EXTERNAL INTERFACES THAT ARE GENERALIZED TO FACILITATE THEIR USE IN FUTURE PROGRAMS. THESE DECKS SHOULD BE USED IN PREFERENCE TO LOCAL CODE WHENEVER POSSIBLE.

COMMON DECKS WHICH CONTAIN ONLY MACROS ARE NOT QUALIFIED. 'S' TYPE COMMON DECKS ARE NOT QUALIFIED BY THE QUAL PSEUDO-OP WITHIN THE COMMON DECK. IF AN 'S' TYPE COMMON DECK IS QUALIFIED EXTERNALLY, THE QUALIFIER IS THE THREE CHARACTER NAME OF THE ROUTINE. FOR EXAMPLE:

COMSAAA (WHERE AAA IS THE QUALIFIER)

#### 4.5 DAYFILE.MESSAGES

```
-----  
I          -NOS ONLY-  
I  
I DAYFILE MESSAGES ISSUED TO THE USER OR SYSTEM DAYFILE BEGIN  
I WITH A BLANK CHARACTER AND END WITH A PERIOD. DAYFILE  
I MESSAGES SHOULD NOT EXCEED 40 CHARACTERS.  
-----
```

#### 4.6 UNWANGABLE.CHANNEL.CODE

TO AVOID CHANNEL HANGS, BIT 2\*5 IS SET ON SOME PPU CHANNEL INSTRUCTIONS. THIS SHOULD ONLY BE USED WHEN UNDESIRABLE SIDE EFFECTS WILL NOT RESULT AND WHERE IT IS POSSIBLE TO TAKE CORRECTIVE ACTION. (FOR EXAMPLE: DISCONNECTING AN INACTIVE CHANNEL WILL NOT RESULT IN UNDESIRABLE EFFECTS.) BIT 2\*5 SHOULD

LOWER CYBER SYSTEMS PROGRAMMING STANDARD.

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NOT BE USED WHEN UNPREDICTABLE RESULTS MAY OCCUR. BIT 2\*\*5 IS NOT  
USED WITH CHANNEL 15.

APPENDIX A.4. ABBREVIATIONS

STANDARD INDUSTRY ABBREVIATIONS MAY BE USED EVEN THOUGH THEY ARE NOT INCLUDED IN THE FOLLOWING APPENDIX.

A.1 GENERAL ABBREVIATIONS

BOI	BEGINNING OF INFORMATION
CLD	CENTRAL LIBRARY DIRECTORY
CM	CENTRAL MEMORY
CMM	COMMON MEMORY MANAGER
CMR	CENTRAL MEMORY RESIDENT
CP	CONTROL POINT
CPA	CONTROL POINT AREA ADDRESS
CPU	CENTRAL PROCESSING UNIT
CR	CARRIAGE RETURN
CW	CONTROL WORD
ECS	EXTENDED CORE STORAGE
EOF	END OF FILE
EOI	END OF INFORMATION
EOL	END OF LINE
EOR	END OF RECORD
EST	EQUIPMENT STATUS TABLE
ETX	END OF TEXT
FDX	FULL DUPLEX
FET	FILE ENVIRONMENT TABLE
FL	FIELD LENGTH
FLE	FIELD LENGTH FOR ECS
FNT	FILE NAME TABLE
FST	FILE STATUS TABLE
FWA	FIRST WORD ADDRESS
HDX	HALF DUPLEX
I/O	INPUT/OUTPUT
LFN	LOGICAL FILE NAME
LWA	LAST WORD ADDRESS
MMF	MULTI-MAINFRAME
MS	MASS STORAGE
MST	MASS STORAGE TABLE
MT	MAGNETIC TAPE
MUX	MULTIPLEXER
PF	PERMANENT FILE
PFN	PERMANENT FILE NAME
PLD	PERIPHERAL LIBRARY DIRECTORY
PPU	PERIPHERAL PROCESSING UNIT
PRU	PHYSICAL RECORD UNIT
RA	REFERENCE ADDRESS
RAE	REFERENCE ADDRESS FOR ECS
RCL	RESIDENT CENTRAL LIBRARY

RPL	RESIDENT PERIPHERAL LIBRARY
RMS	ROTATING MASS STORAGE
SCR	STATUS AND CONTROL REGISTER
SECEDED	SINGLE ERROR CORRECTION, DOUBLE ERROR DETECTION
SUBCP	SUBCONTROL POINT
TRT	TRACK RESERVATION TABLE
TTY	TELETYPE

A.2 NETWORK HOST PRODUCTS ABBREVIATIONS

ABH	APPLICATION BLOCK HEADER
ABL	APPLICATION BLOCK LIMIT
ABN	APPLICATION BLOCK NUMBER
ABT	APPLICATION BLOCK TYPE
ACN	APPLICATION CONNECTION NUMBER
ACT	APPLICATION CHARACTER TYPE
ADR	ADDRESS INFORMATION
ALN	APPLICATION LIST NUMBER
CLA	COMMUNICATIONS LINE ADAPTER
IBU	INPUT BLOCK UNDELIVERABLE
IVT	INTERACTIVE VIRTUAL TERMINAL
NFE	NO FORMAT EFFECTORS
NPU	NETWORK PROCESSING UNIT
PFC	PRIMARY FUNCTION CODE
SFC	SECONDARY FUNCTION CODE
SM	SUPERVISORY MESSAGE
SMP	SUPERVISORY MESSAGE PROCESSOR
TA	TEXT AREA
TLC	TEXT LENGTH CHARACTERS
TLMAX	MAXIMUM LENGTH OF DATA MESSAGE BLOCK TEXT
TNAME	TERMINAL NAME

A.3 ACRONYMS

AIP	APPLICATION INTERFACE PROGRAM
IAF	INTERACTIVE FACILITY
NAM	NETWORK ACCESS METHOD
RBF	REMOTE BATCH FACILITY
TAF	TRANSACTION FACILITY
TIP	TERMINAL INTERFACE PROGRAM

0000000 00000000000000000000 00046477002400757777 00072015000000245400 56400004145000000003 D T GPM T= ,5 DL/ C  
0000004 60207776000000035670 57206020576000000000 00010016000756330000 00072464000757060006 P C, .P P. A N G,0 GT G.F F  
0000010 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000020 00000000000000000760 23312324051555000000 00000000000103301700 000000000000000003033 G SYSTEM ACXU XO  
0000024 00000000000176052621 00000000000000000000 00000000004244353544 00000000111021202736 A EVQ 79229 IHQPWJ  
0000030 55344157353657363357 55424450334350344257 55513640525503310205 22553442375523501655 16.23.30. 79/08/17. (35) CYBER 174 S/N  
0000034 41353355031423105700 00000000000000000000 16172355344643123336 24502235025700000000 620 CLSH. NOS 1-8J03T/R2B.  
0000040 00000000000000000001 0000000000000100434 00000000000100020303 01001227340000120000 A HD1 A BCCA JW1 J  
0000044 00010000002300220002 00000003002100000000 00000000000000000000 00000000000000000000 A S R B C Q  
0000050 00000000000000005520 00000234257714755000 30766010301005743001 34131442341214610200 P BIU O+/ X HXHE XA1KL71JL B  
0000054 03363014010001777761 00000000000000000000 00000000000000000000 77777620300032000000 C3XLA A PX Z  
0000060 0000000000000045776 00000000160000001600 0000000000000046016 00043224000000000000 D. N N D N DZT  
0000064 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000074 00000000000000000000 00000000000000000000 04000000760000000000 00043132000000000436 D DYZ D3  
0000100 000000150000000000007 00030000001100010000 0017000000000000000000 00000000000000000000 M G C I A O  
0000104 00000000000000000000 00000000000000000000 00103257000203417074 00000000000000000000 HZ. BC6  
0000110 00000000000000130101 00070006000000000000 00000000000000000000 33134220000000000000 KAA G F OK7P  
0000114 0000000600100040113 000000000000160000 00000000000000000000 40301000000000000000 A DAK A 5XH  
0000120 00000000600100000113 000000000000020000 00000000000010000010 41350000000000000000 A AK P H H62  
0000124 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0000130 00000000560100060000 0000000000000252022 00165675000035131620 00000000023500007062 ,A F UPR N, 2KNP B2  
0000134 0000000000000001023 00000000000000000000 00000000000000000000 00000000000000000000 HS  
0000140 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000174 00000000000000000000 00000000000000000000 00000000000000000000 06162414112324000000 FNTLIST  
0000200 00006613015424000000 00076000000001000001 00020500000053000000 70070000015152000000 KA=T G A A RE \$ G A(1)  
0000204 00000000007121017002 0000000000013500040 00000200000001000100 00000000000542000074 QA B A2 5 B A A E7  
0000210 40000000000000000000 00000000000000000000 00000000000000000000 00000000000000015243 5 A)B  
0000214 00000000000000000000 00000000000176052567 24111520000500000135 00000000000000000054 A EU TAMP E A2 =  
0000220 20000000000007600205 110106555555500000 00777776000000000000 00000616000000040000 P G BEIAF FN D  
0000224 00000000000176052620 00000000000000000000 00000000000000000000 00000000000000006500 A EVP  
0000230 55160524271722135503 17161605032405045700 00000000000000000000 55270111241116075506 NETWORK CONNECTED. WAITING F  
0000234 17225516052427172213 00000000000000000000 00000000000000000000 00000000000000000000 OR NETWORK  
0000240 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000250 00000000000000000000 00000120071612504000 00030500000000000011 00000000000000000000 APGNJ/5 CE I  
0000254 00000000000000000000 00000000000000000000 77777777777777777777 77777777770000000000  
0000260 000077777770000000000 00000000000000000000 37770205377700000000 00000000000000000000 4 BE4  
0000264 00000000000040000000 00000000000000000000 0000000000000130000 00000000000000377777 5 K 4  
0000270 00000000000000000000 62250000000000000000 00004000000701410152 00054035403500010001 U 5 GA6A) E5252 A A  
0000274 01010214000000000000 77777777777777777777 77777777777777777777 77777777777777777777 AABL  
0000300 00000000000000000000 40000000000000000000 00000000000000000000 00000000000000000000 5

0000310 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
0000314 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000330 22052425221656110106 05305755000000000000 17162327513452550000 17162327513652550000 RETURN, IAFEX. UNSW(1) UNSW(3)  
0000334 17162327514052550000 17162327514152550000 27101114055624222505 56141717205700000000 UNSW(5) UNSW(6) WHILE, TRUE, LOOP.  
0000340 11010605305700000000 11010605303557550000 23131120561417172034 57550000000000000000 IAFEX. IAFEX2. SKIP, LOOP1.  
0000344 05301124575500000000 11010605303557550000 05160411065614171720 34570000000000000000 EXIT. IAFEX2. ENDF, LOOP1.  
0000350 05160427561417172057 00000000000000000000 00000000000000000000 00000000000000000000 ENDW, LOOP.  
0000354 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000400 00003206025562000000 00116600000001000001 00071400004310000000 70070000002603000000 ZFB I A A GL 8H G VC  
0000404 00000000002577000003 00000000004307000003 00000400000001777016 00000000002612000000 U C 8G C D A N VJ

0000410 77777777000000000000 000000000000000000 77777777000000000000 00000000000000001011 HI  
0000414 00100434000176052566 00000000000000000574 24111520000500002601 00000000000000001750 HDI A EU E T I M P E VA O/  
0000420 20000000000011660714 24010655555550000000 00727772000000000000 00000321000000010000 P I GLTAF CQ A  
0000424 00000000000176052616 00000000000000000000 00000000000000000000 000000000000000003000 A EVN X  
0000430 25031523565555553433 37435740424113251623 57000000010050263014 54157776340314043404 UCMS, 1048.576KUNS. A /VXL-M ICLD1D  
0000434 37040712300335031012 00000000000000000000 11240123130000000000 0000000000000350000 4DGJXC2CHJ ITASK 2  
0000440 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000450 00000000000000000000 00000051052173200000 31344100000000000365 00000000000000000000 (EQ P Y16 C  
0000454 00000000000000000000 00000000000000000000 77777777777777777777 77777777770000000000  
0000460 00007777777000000000 00000000000000000000 37771200377700000000 00000000000000000000 4 J 4  
0000464 00000000000040000000 00022033000000000000 0000000000000130000 00000000000000000016 5 BPO K N  
0000470 0000000000000004076 61070000000000000000 00000000001201630170 00014135413500010001 5 G JA A A6262 A A  
0000474 01010216000000000000 77777777777777777777 77777777777777777777 AABN  
0000500 0100022600037002360 00000000000000000000 00000000000000000000 00000000000000000000 A R 4 S  
0000504 00000000000000000000 0000314500000012423 00000000000000000000 00000000000000000000 Y+ ATS  
0000510 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
0000514 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000530 47474747474747474747 47474747474747474747 47474747474747474747 47474747474700000000 \*\*\*\*\*  
0000534 47555555555555555555 55555555555555555555 55555555555555555555 55555555554700000000 \*  
0000540 47555555555555555555 24550155065503551455 23551055555555555555 55555555554700000000 \* T A F C L S H \*  
0000544 47555555555555555555 55555555555555555555 55555555555555555555 55555555554700000000 \*  
0000550 47474747474747474747 47474747474747474747 47474747474747474747 47474747474700000000 \*\*\*\*\*  
0000554 27221124052251172524 20252452000000000000 17162327514052550000 17162327513752550000 WRITER(OUTPUT) ONSW(5) ONSW(4)  
0000560 22061456343533333333 57550000000000000000 24010616011534570000 04150457000000000000 RFL,120000. TAFNAM1. DMD.  
0000564 04150451335636424242 42425255000000000000 24010616011535570000 07172417513552550000 DMH(0,377777) TAFNAM2. GOTD(2)  
0000570 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000600 00007415001537000000 0021660000001013313 00015500005131005132 70070000000204000303 M H4 Q A AOK A (Y (Z G BD CC  
0000604 00000000000127012706 00000000000164013025 00000600000001002561 00000000006745013025 (MAWF A AXU F A U +AXU  
0000610 77777777777777777777 00000000000000000000 00000000000000000000 00000000000000000000  
0000614 00000000000000000004 0000000000000011467 22031400000000000000 00000000000000000000 D AL RCL  
0000620 2002000000021660155 1601155555555500000 00747770000000000000 00000321000000010000 PB Q A NAM CQ A  
0000624 00000000000176052621 00000000000000000000 00000000000000000000 00000000000000000000 A EVQ  
0000630 1411160500514353755 55555556051656353756 01345616170405365555 00000000000000000000 LINE L24 ,EN,24,A1,NOE3  
0000634 43000002000000501510 00000000000000000000 22552324172201070555 51031552575555000000 8 B /MH R STORAGE (CM).  
0000640 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000650 00000000000000000000 00000134524644030000 0307244000000000056 00000000000000000000 A11-9C CGT5 ,  
0000654 00000000000000000000 00000000000000000000 77777777777777777777 77777777770000000000  
0000660 00007777770000000000 00000000000000000000 37770350377700000000 00000000000000000000 4 C/4  
0000664 00000000000000000000 00000000000000000000 00000000000000130000 0000000000000002747 K W\*  
0000670 00000000000000000000 60770000000000000000 0000000003401670170 00044114411400020001 IA A D6L6L B A  
0000674 01010220000000000000 77777777777777777777 77777777777777777777 77777777777777777777 AABP  
0000700 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000710 00000000000000000000 00000000000000000000 0000000000000000014 37777777777777000000 L4  
0000714 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0000730 20252207055116011506 01111450160152550000 47555555555555555555 55555555555555555523 PURGE(NAMFAIL/NA) \* S  
0000734 24012224552520551724 10052255000000000000 47555555555555555555 55555555555555555516 TART UP OTHER \* N  
0000740 05242717221355101723 24552022170722011523 00000000000000000000 07052451162354121702 ETWORK HOST PROGRAMS GET(INS-JOB  
0000744 16235603235412170203 23561626065412170216 26065624260654121702 24260652000000000000 NS,CS=JOB,CS,NVF=JOB,NVF,TVF=JOBTVF)  
0000750 22172524055116235604 03541116561724542331 17245255000000000000 22172524055103235604 ROUTE(INS,DC-IN,OT-SYOT) ROUTE(CS,D  
0000754 03541116561724542331 17245255000000000000 22172524055116260656 04035411165617245423 C-IN,OT-SYOT) ROUTE(NVF,DC-IN,OT-S  
0000760 31172452000000000000 22172524055124260656 04035411165617245423 31172452000000000000 YOT) ROUTE(TVF,DC-IN,OT-SYOT)



0000764	2206145136403333352	00000000000000000000	16112057000000000000	47555555555555555555	RFL(35000)	NIP.	*
0000770	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001000	00000000000000000000	00273500004156062002	00006400004057000001	70000000004057777776		W2 6,FPB 5. A 5.	
0001004	00000000004057777776	00000000004057777776	00001000777776000001	00000000777776000000		5. 5. H A	
0001010	54772622300515364001	12345676543210123456	54772622300515364001	00000000000000000000	= VRXEM35AJ1, =ZHJ1, =VRXEM35A		
0001014	77776777777777777777	00001000000000000000	12345676543210123456	00000000000000000000	H J1, =ZHJ1,		
0001020	2000000000027350064	03253433010102000000	00010100000000000000	00077766010003270620	P W2 CUI0AAB AA G A CWF		
0001024	00000000000176052616	00000000000000000000	00000000000000000000	00000000000000000000	A EVN		
0001030	55000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001034	00000000000000000000	00005700000006012324	56552005562733345623	37373333562534415503		FAST, PE,W01,S4400,U16 C	
0001040	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001050	00000000433676051100	00000331155460362400	00002040000000000000	00003600003600000000	83 EI CYM= 3T P5 3 3		
0001054	02342000175000000000	00000237420000002272	77777777777777777777	00007777770000000022	BIP 0/ B47 R		R
0001060	00007777770000000000	00007777000000000000	37770000377700000000	00000000000000000000	4 4		
0001064	00000000000000000000	00000000000000000000	00000000000000130000	23312324051530377777		K SYSTEMX4	
0001070	00000000000000000000	60450000000000000000	00004000000301330142	40044001400100010001	+ 5	CAOA75D5A5A A A	
0001074	01010102000000000000	77777777777777777777	77777777777777777777	77777777777777777777	AAAB		
0001100	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001110	00000000000000000000	00000000000000000000	00000000000000000000	37777777777777000000		4	
0001114	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001130	03253457000000000000	15170405513352000000	03253457000000000000	05301124570000000000	CUI. MODE(0) CUI. EXIT.		
0001134	04152057000000000000	04152051333341373333	52000000000000000000	11065105065417040552	DMP. DMP(006400) IF(EF=ODE)		
0001140	55220524252216511725	24202524520000000000	00000000000000000000	00000000000000000000	RETURN(OUTPUT)		
0001144	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001200	00000000000000000000	00305400001654000001	00002300001655000031	70000000001666001677		X= N= A S N Y N N	
0001204	00000000001667000001	00000000777776000001	00001200001676000000	00000000001675777776	N A A J N N		
0001210	00000000000000000003	00015554464544160235	00004342247467461675	00010704517157143572	C A =-+9NB2 87T -N AGD( .L2		
0001214	00015246766646625467	00000000000000000001	00000305475675332546	00000000000000000007	A)- - = A CE+, OU- G		
0001220	20000000000030540023	15220733010107000000	00010100000000000000	00077755010003256132	P X= SMRGOAAG AA G A CU Z		
0001224	00000000000176052617	00000000000000000000	00000000000000000000	00000000000000000000	A EVO		
0001230	55000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001234	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001250	00000000427020456164	00000330032053263400	00001040000000000000	00003600003600000000	7 P+ CXCP1V1 H5 3 3		
0001254	02342000175000000000	00000235520000002102	77777777777777777777	00007777770000000010	BIP 0/ B2) QB H		
0001260	00007777770000000000	00007777000000000000	37770000377700000000	00000000000000000000	4 4		
0001264	00000000000000000000	00000000000000000000	00000000000000130000	23312324051530377777		K SYSTEMX4	
0001270	00000000000000000000	60510000000000000000	00004000000301330142	40054002400200010001	( 5	CAOA75E5B5B A A	
0001274	01010107000000000000	77777777777777777777	77777777777777777777	77777777777777777777	AAAG		
0001300	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001310	00000000000000000000	00000000000000000000	00000000000000000000	37777777777777000000		4	
0001314	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001330	15220757000000000000	15170405513352000000	15220757000000000000	05301124570000000000	MRG. MODE(0) MRG. EXIT.		
0001334	04152057000000000000	04152051333335363333	52000000000000000000	11065105065417040552	DMP. DMP(002300) IF(EF=ODE)		
0001340	55220524252216511725	24202524520000000000	00000000000000000000	00000000000000000000	RETURN(OUTPUT)		
0001344	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000			
0001400	00000000000000000000	00321700001731000001	00002100001514000002	70000000346114001727		ZD OY A Q ML B 1 L OW	
0001404	00000000237405000001	00000000254275000000	00001400001732365577	00000000001727777774	S E A U7 L 023 OW		
0001410	00700000000000000000	11505230632503220775	77000000000000000000	77777000000000000000	I/JX UCRG		

0001414 77077000000000000000 0000000000000000011 00000000000000024000 66272547145274603002 G  
 0001420 20000000000032170021 01143033010101000000 00010100000000000000 00100210010003363166 P ZO QALX0AAA AA B5 WU\*L) XB  
 0001424 00000000000176052610 00000000000000000000 00000000000000000000 00000000000000000000 A EVH HBHA C3Y  
 0001430 55000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
 0001434 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001450 00000000440336152521 00000337251162016400 00000760000000000000 00003600003600000000 9C3MUQ C4UI A G 3 3  
 0001454 02342000175000000000 00000235520000002102 77777777777777777777 00007777770000000007 B1P O/ B2) QB 4 4 G  
 0001460 00007777770000000000 00007777000000000000 37770000377700000000 00000000000000000000 4 4  
 0001464 00000000000000000000 00000000000000000000 00000000000000130000 23312324051530377777 K SYSTEMX4  
 0001470 00000000000000000000 60410000000000000000 0000400000301330142 40014115411500010001 6 5 CA0A75A6H6M A A  
 0001474 01010101000000000000 77777777777777777777 77777777777777777777 AAAA  
 0001500 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001510 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
 0001514 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001530 01143057000000000000 15170405513352000000 01143057000000000000 05301124570000000000 ALX. MODE(0) ALX. EXIT.  
 0001534 04152057000000000000 04152051333335343333 52000000000000000000 11065105065417040552 DMP. DMP(002100) IF(EF=ODE)  
 0001540 55220524252216511725 24202524520000000000 00000000000000000000 00000000000000000000 RETURN(OUTPUT)  
 0001544 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001600 00042001000001000000 00000000001600000001 00777700001601001600 70070000001256377700 DPA A N A NA N G J,4  
 0001604 00000000001222000020 00000000377701044556 0000000045764042121 0000000045763001600 JR P 4 AD+ D. DQQ D. N  
 0001610 00000000000000000000 00000000000000000673 000000000000377700 0000000000000045756 F 4 D.,  
 0001614 00000000005401000000 00000000000000000000 00000000000000000000 00000000005401000000 -A -A  
 0001620 40000000000037770200 03232533010105000000 00010100000000000000 00077752010003155173 5 4 B CSU0AAE AA G) A CM(  
 0001624 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
 0001630 55000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
 0001634 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001650 00000000426472706156 00000317547501006000 00001000000000000000 00003600003600000000 7 , CD- A H 3 3  
 0001654 02342000175000000000 00000243600000002710 77777777777777777777 00007777770000000014 B1P O/ B8 WH 4 4 L  
 0001660 00007777770000000000 00007777000000000000 37770000377700000000 00000000000000000000 4 4  
 0001664 00000000000000000000 00000000000000000000 00000000000000130000 23312324051530377777 K SYSTEMX4  
 0001670 00000000000000000000 60430000000000000000 0000400000301330142 40024001400100010001 8 5 CA0A75B5A5A A A  
 0001674 01010105000000000000 77777777777777777777 77777777777777777777 AAAE  
 0001700 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001710 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
 0001714 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0001730 03232557000000000000 15170405513352000000 03232557000000000000 05301124570000000000 CSU. MODE(0) CSU. EXIT.  
 0001734 04152057000000000000 04152051333533333333 52000000000000000000 11065105065417040552 DMP. DMP(020000) IF(EF=ODE)  
 0001740 55220524252216511725 24202524520000000000 00000000000000000000 00000000000000000000 RETURN(OUTPUT)  
 0001744 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002000 00000000000000000000 00417700001656000001 00010000001666007064 70000000000162001747 6 N, A A N A 0\*  
 0002004 000000000006603000011 00000000000660300000 00002000001657001747 00000000001651007700 C I C P N. 0\* N(  
 0002010 00000000000000000000 00000000000000007064 20335073235667302045 00000000000000000000 PO/ S, XP+ ) CM/Q U  
 0002014 20335073235667302045 52772552520077005277 03155021677325747064 0000000000003000000 P O/ S, XP+ U) ) CM/Q U C  
 0002020 2000000000041770100 03152533010110000000 00010100000000000000 00100015010003336136 P 6 A CMU0AAH AA H MA CO 3  
 0002024 00000000000176052612 00000000000000000000 00000000000000000000 00000000000000000000 A EVJ  
 0002030 55000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
 0002034 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002050 00000000442275743356 00000335422672343000 00000740000000000000 00003600003600000000 9R O, C27V 1X G5 3 3

0002054 0234200017500000000 00000240000000002330 7777777777777777777 00007777770000000015 B1P O/ B5 SX M  
 0002060 0000777777000000000 0000777700000000000 3777000037770000000 0000000000000000000 4 4  
 0002064 0000000000000000000 0000000000000000000 0000000000000013000 2331232405153037777 K SYSTEMX4  
 0002070 0000000000000000000 6053000000000000000 0000400000301330142 40014117411700010001 \$ 5 CAO75A6U6U A A  
 0002074 0101011000000000000 7777777777777777777 7777777777777777777 7777777777777777777 AAAH  
 0002100 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002110 0000000000000000000 0000000000000000000 0000000000000000000 37777777777777000000 4  
 0002114 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002130 0315255700000000000 1517040551335200000 0315255700000000000 0530112457000000000 CMU. MODE(0) CMU. EXIT.  
 0002134 0415205700000000000 0415205133343333333 5200000000000000000 1106510506541704052 DMP. DMP(010000) [F(EF=ODE)  
 0002140 55220524252216511725 2420252452000000000 0000000000000000000 0000000000000000000 RETURN(OUTPUT)  
 0002144 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002200 0000000000000000000 00427700002506000030 00002700002526000010 70000000002625000020 7 UF X W UV H VU P  
 0002204 0000000000246500000 0000000000246600000 00002200002525000000 00000000002526000000 T Y R UU UV  
 0002210 0000000000000077777 0000000000000000000 0000000000000000000 0000000000000000000  
 0002214 0000000000000000000 0000000000000000000 0000000000000002541 0000000000000000000 U6  
 0002220 2000000000042770027 2201163301010400000 0001010000000000000 00100015010003466775 P 7 WRANOAAD AA H MA C-  
 0002224 00000000000176052612 0000000000000000000 0000000000000000000 0000000000000000000 A EVJ  
 0002230 5500000000000000000 0000000000000000000 0000000000000000000 0000000000000000000  
 0002234 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002250 00000000454146044477 00000350341317432400 0000112000000000000 00003600003600000000 +6-D9 C/IK08T IP 3 3  
 0002254 0234200017500000000 00000235520000002102 7777777777777777777 00007777770000000013 B1P O/ B2) QB K  
 0002260 0000777777000000000 0000777700000000000 3777000037770000000 0000000000000000000 4 4  
 0002264 0000000000000000000 0000000000000000000 0000000000000013000 2331232405153037777 K SYSTEMX4  
 0002270 0000000000000000000 6037000000000000000 0000400000301330142 40014116411600010001 4 5 CAO75A6N6N A A  
 0002274 0101010400000000000 7777777777777777777 7777777777777777777 7777777777777777777 AAAD  
 0002300 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002310 0000000000000000000 0000000000000000000 0000000000000000000 37777777777777000000 4  
 0002314 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002330 2201165700000000000 1517040551335200000 2201165700000000000 0530112457000000000 RAN. MODE(0) RAN. EXIT.  
 0002334 0415205700000000000 04152051333335423333 5200000000000000000 1106510506541704052 DMP. DMP(002700) IF(EF=ODE)  
 0002340 55220524252216511725 2420252452000000000 0000000000000000000 0000000000000000000 RETURN(OUTPUT)  
 0002344 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002400 0001133600225200000 00432600000001000001 00055700000065777765 7007000001304400000 AK3 R) BV A A E. G AX9  
 0002404 00000000000114000002 00000000002452000450 00002400000001026072 00000000012706777001 AL B T) D/ T AB AWF A  
 0002410 0000000000000000000 0000000000000000000 0207062000000000000 00000016250314052523 BGFN NUCLEUS  
 0002414 01000000000351043403 0000000000000000000 14042120000000012703 00000351000352043403 A C(DIC LDQP AWC C(C)DIC  
 0002420 10010000000043260557 01141531333537030000 0030700000000000000 00100441010000027771 HA 8VE.ALHY024C X HD6A B  
 0002424 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000  
 0002430 01043533073056445603 5700000000000000000 0000000000000000000 0000000000000000000 AD20GX,9,C.  
 0002434 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0002450 0000000004707630642 00000002452211750000 0503462000000001502 00003600003600000001 \*G F7 B+RI EC-P MB 3 3 A  
 0002454 0234200017500000000 00000261640000004514 7777707777777777777 00007777770000421016 B1P O/ B +L 7HN  
 0002460 00000001000000000220 60007777002456740502 3737000037370000000 0000000000000000000 A BP T, EB44 44  
 0002464 0000000000000000000 050000041110700000 00000000000000136044 0104353333300002663 E 6IG K 9AD2000 V  
 0002470 00000001000000030764 6101000000000000000 00004000000101320132 0000000000000000000 A CG A 5 AAZAZ  
 0002474 0102220700000000000 00003246777776007777 00001552777713467330 0000000002700002555 ABRG Z- M) K- X W U  
 0002500 0000000000000000000 4000000000000000000 0000000000000000000 0400000000000000000 5 D  
 0002504 0400000000000000000 0000000000000000000 0000000000000000000 0000000000000000000 D

0002510 00000000000000000000 00000000000000000000 00000000000000000000 00000005677572611400  
0002514 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000 E L

0002530 01043533073056445603 57000000000000000000 00000000000000000000 00000000000000000000 AD20GX,9,C.  
0002534 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0002540 22052425221656230322 57000000000000000000 05162125112205561216 57000000000000000000 RETURN,SCR. ENQUIRE,JN.  
0002544 22171414172524563633 57000000000000000000 07172417560301241411 23245700000000000000 ROLLOUT,30. GOTD,CATLIST.  
0002550 22052605222457030314 55555555555555550000 05301124570303140000 22052605222456010217 REVERT,CCL EXIT.CCL REVERT,ABO  
0002554 22245703031455550000 00000000000000000000 00000000000000000000 00000000000000000000 RT.CCL  
0002560 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002600 00000000000000000000 00514300002001000020 00002300002021000014 70000000002071340702 (B PA P S PQ L P IGB  
0002604 00000000002014000000 00000000002073126662 00002600002007000000 00000000000157002076 PL P J V PG A. P  
0002610 00000000000000000000 00000000000000000000 00000000000000000000 00000000002067000000 P  
0002614 000000000000000002076 00000000000000000000 00000000000000000000 0000000000000002001 P PA  
0002620 200000000000051430023 06232433010103000000 00010100000000000000 00100015010003537013 P (B SFSTO AAC AA H MA C S K  
0002624 00000000000176052613 00000000000000000000 00000000000000000000 00000000000000000000 A EVK  
0002630 55000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0002634 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002650 00000000462452356716 00000355304062704400 00001020000000000000 00003600003600000000 -T)2 N C X5 9 HP 3 3  
0002654 02342000175000000000 00000235520000002102 77777777777777777777 00007777770000000010 B1P O/ B2) QB H  
0002660 00007777770000000000 00007777000000000000 37770000377700000000 00000000000000000000 4 4 K SYSTEMX4  
0002664 00000000000000000000 00000000000000000000 0000000000000130000 23312324051530377777 2 CA0A75E5A5A A A  
0002670 00000000000000000000 60350000000000000000 00004000000301330142 40054001400100010001 5  
0002674 01010103000000000000 77777777777777777777 77777777777777777777 AAAC  
0002700 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002710 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
0002714 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0002730 06232457000000000000 15170405513352000000 06232457000000000000 05301124570000000000 FST. MODE(0) FST. EXIT.  
0002734 04152057000000000000 04152051333335363333 52000000000000000000 11065105065417040552 DMP. DMP(002300) IF(EF=ODE)  
0002740 55220524252216511725 24202524520000000000 00000000000000000000 00000000000000000000 RETURN(OUTPUT)  
0002744 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0003000 00000702001600000000 00516600000001000001 00001600000000000000 70070000000000000000 GB N ( A A N G  
0003004 00000000000000000000 00000000000000000000 00003000000701000000 00000000000000000000 X GA  
0003010 77777777777777000000 03201520007400000112 00000000007400000000 00000000000000000000 CPMP AJ  
0003014 00000000000000000000 00000000000000000000 03201520007400000112 00000000000000000000 CPMP AJ  
0003020 10010000000051660016 01124031333437030000 00307000000000000000 00100443010000010044 HA ( NAJ5Y014C X HD8A A 9  
0003024 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0003030 11065157161724575106 11140551240120053556 012352525507175524 17563401020357550000 IF(.NOT.(FILE(TAPE2,AS))) GO TO,1ABC.  
0003034 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0003050 0000000001416077473 00000000404707341000 01443320000000000502 00007400036000000001 LNG 5\*G1H A90P EB 3 A  
0003054 02342000175000000000 00000236100000002140 77777077777777777777 00007777770000141605 B1P O/ B3H Q5 LNE  
0003060 00000001000000000040 60007777002456740136 20370600203700000000 00000000000000000000 A 5 T, A3P4F P4  
0003064 00000000000000000000 00000000000000000000 0000000000000132746 13150435364242002377 KW-KMD2377 S  
0003070 00000000000000000000 64070000000000000000 00004000000501440166 00014213421300010001 5 EA9A A7K7K A A  
0003074 01032431000000000000 000032467777400007777 00001755777714175025 00000000002700000555 ACTY Z- 5 O LO/U W E  
0003100 00000000000000000000 40400000000000000000 00000000000000000000 00000000000000000000 55  
0003104 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0003110 00000000000000000000 00000000000000000000 00000000000000000000 00000004154067471400  
0003114 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000 DMS \*L

0003130 22052425221656240120 05355755000000000000 06111405562401200535 56222454325602245403 RETURN,TAPE2. FILE,TAPE2,RT-Z,BT=C

0003134 56061454433357550000 2206145641333333357 0000000000000000000 21255755000000000000 ,FL=80. RFL,60000. OU.  
 0003140 11065157161724575106 11140551240120053556 01235252525507175524 17563401020357550000 IF(.NOT.(FILE(TAPE2,AS))) GO TO,IABC.  
 0003144 16170530112457550000 20252207055605201424 01203457000000000000 17160530112457550000 NOEXIT. PURGE,EPLTAP1. ONEXIT.  
 0003150 22052425221656052014 24012034575500000000 04050611160556052014 24012034575500000000 RETURN,EPLTAP1. DEFINE,EPLTAP1.  
 0003154 22052711160456475755 0000000000000000000 03172031562401200535 56052014240120345755 REWIND,\*. COPY,TAPE2,EPLTAP1.  
 0003160 0000000000000000000 03011414512205201435 5255000000000000000 34010203560317151505 CALL(REPL2) IABC,COMHE  
 0003164 1624575500000000000 0530112457550000000 0000000000000000000 0000000000000000000 NT. EXIT.  
 0003170 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003200 00010664025000000000 00600200000001000637 00000000010215000000 70070000007556015667 AF B/ B A F4 ABM G ,A,  
 0003204 00000000010437000050 00000000010222015667 00003200000001000055 00000000010216000033 AD4 / ABRA, Z A ABN O  
 0003210 7777777777777777000000 0000000000000000000 23230320007770000000 00000000000000005146 SSCP (-  
 0003214 00000000007770000000 00000000007770000000 23230320007770005146 23230320007770005146 SSCP (-SSCP (-  
 0003220 00000000000060020000 0000000000000000000 0000000000000000000 00100633010000036271 B HFOA C  
 0003224 00000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000  
 0003230 00000000000000000000 3700000000000000000 0000000000000000000 0000000000000000000 4  
 0003234 00000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003250 00000000003650773700 00000002627261076000 00443100000000000053 000036000003600000000 3/ 4 B G 9Y \$ 3 3  
 0003254 02342000175000000000 00000242640000002614 77777777777777777777 00007777770000000134 B1P O/ B7 VL A1  
 0003260 00007777770000000000 00007777000000000000 37770250377700000000 00000000000000000000 4 B/4  
 0003264 00000000000000000000 0000000000000000000 77777777777777777777 00000000000000002747 H\*  
 0003270 40000000000000000261 0000000000000000000 05000000001301620170 00000000000000000000 5 B E KA A  
 0003274 00000000000000000000 77777777777777777777 77777777777777777777 77777777777777777777  
 0003300 00000000000000000000 40010000000000000000 0000000000000000000 0000000000000000000 5A  
 0003304 00000000000000000000 4000000000000000000 0000000000000000000 0000000000000000000 5  
 0003310 0000000000000000000 0000000000000000000 0000000000000000000 37777777777777000000 4  
 0003314 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003330 16235624424242423357 0000000000000000000 03100122070556565616 23570000000000000000 NS,T77770. CHARGE,,,NS.  
 0003334 23251151354237425255 5555555555555474747 47474747474747474747 00000000000000000000 SUI(2747) \*\*\*\*\*  
 0003340 1617220522516570000 16170530112457550000 23052451223654335255 00000000000000000000 NORERUN. NOEXIT. SET(R3=0)  
 0003344 47555555555555555555 5555555555555555514 1717205525162411455 05162411220500000000 \* LOOP UNTIL ENTIRE  
 0003350 47555555555555555555 5555555555555555516 05242717221355240522 15111601240523570000 \* NETWORK TERMINATES.  
 0003354 27101114055622365433 56220523240122245755 0000000000000000000 22061451354033333352 WHILE,R3=0,RESTART. RFL(25000)  
 0003360 00000000000000000000 1623575500000000000 04112320140131510506 5255555555555555504 NS. DISPLAY(EF) D  
 0003364 11232014013155052222 17225506140107570000 17060623275134563556 3656375200000000000 ISPLAY ERROR FLAG. OFFSW(1,2,3,4)  
 0003370 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003400 00003365004156000000 00600200000001000001 00012000000124003650 70070000000122010675 0 6, B A A AP AT 3/ G ARAF  
 0003404 00000000003651010675 00000000000112011601 00003400000001005277 00000000000112005330 3(AF AJANA 1 A ) AJ \$X  
 0003410 00000000000000001202 0000000000000000000 0000000000000010675 04110000000002010600 JB AF DI BAF  
 0003414 77777777777777770000 0000000000000000000 22031400000000000000 00000000000000005033 AQRCL /O  
 0003420 20020000000060020120 01013231333337030000 00307000000000000000 00100443010000004621 PB BAPAAZY004C X HDBA -Q  
 0003424 00000000000176052611 0000000000000000000 0000000000000000000 0000000000000000000 A EVI  
 0003430 53050411245604202322 5700000000000000000 0000000000000000000 0000000000000000000 \$EDIT,DPSR.  
 0003434 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003450 0000000000221447115 00000000063243505000 00303220000000000056 00007400003600000001 B09 M FZB// XZP , 3 A  
 0003454 02342000175000000000 00000245500000003100 77777077777777777777 00007777770000004666 B1P O/ B+/ Y -  
 0003460 00000001000000000000 60007777002456740325 20370000203700000000 00000000000000000000 A T, CUP4 P4  
 0003464 00000000000000000000 00000000000277000000 00000000000000132046 03121534374200000147 B KP-CJM147 A+  
 0003470 00000000000000000000 61230000000000000000 00004000000101320132 00000000000000000000 S 5 AAZAZ  
 0003474 01032730000000000000 00003246777740007777 00001757777714176225 00000000002700000555 ACWX Z- 5 O. LO U W E  
 0003500 00000000000000000000 40010000000000000000 0000000000000000000 0000000000000000000 5A  
 0003504 00000000000000000000 4000000000000000000 0000000000000000000 0000000000000000000 5  
 0003510 00000000000000000000 0000000000000000000 0000000000000000000 00000003563454444000 C,I=95

0003514 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003530 53050411245604202322 5700000000000000000 0000000000000000000 0000000000000000000 \$EDIT,DPSR.  
 0003534 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003600 0000000000000000000 00632200003426000001 00020000003432000004 70000000005301002733 R 1V A B 1Z D \$A WO  
 0003604 00000000002321000005 00000000002322000022 00003600003525002777 00000000010733000101 SQ E SR R 3 ZU W AGO AA  
 0003610 7700000000000000000 46555500213650312042 55060107161551342640 67777400040000012003 - Q3/YP7 FAGNM(1V5 D APC  
 0003614 20600235252270000000 77777777770000000000 0000000000000000000 55060107161551342640 P B2UR G FAGNM(1V5  
 0003620 20000000000063220200 03243633010106000000 00011000000000000000 00100440010003203544 P RB CT30AAF AH HD5A CP29  
 0003624 00000000000176052615 0000000000000000000 0000000000000000000 0000000000000000000 A EVH  
 0003630 5500000000000000000 0000000000000000000 0000000000000000000 0000000000000000000  
 0003634 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003650 00000000426271055361 00000317406572540400 0000172000000000000 00003600003600000000 7 E5 C05 -D OP 3 3  
 0003654 02342000175000000000 00000243600000002710 7777777777777777777 0000777770000000024 B1P O/ BB WH T  
 0003660 0000777770000000000 0000777700000000000 3777000037770000000 0000000000000000000 4 4  
 0003664 0000000000000000000 0000000000000000000 00000000000000130000 23312324051530377777 \* K SYSTEMX4  
 0003670 0000000000000000000 6047000000000000000 0000400000301330142 40044002400200010001 5 CA0A75D5B5B A A  
 0003674 0101010600000000000 7777777777777777777 7777777777777777777 7777777777777777777 AAAF  
 0003700 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003710 0000000000000000000 0000000000000000000 0000000000000000000 3777777777777000000 4  
 0003714 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0003730 0324365700000000000 15170405513352000000 0324365700000000000 0530112457000000000 CT3. MODE(0) CT3. EXIT.  
 0003734 0415205700000000000 0415205133353333333 5200000000000000000 11065105065417040552 DMP. DMP(020000) IF(EF=ODE)  
 0003740 55220524252216511725 2420252452000000000 0000000000000000000 0000000000000000000 RETURN(OUTPUT)  
 0003744 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0004000 00024476005335000000 0065220000001000001 00000000022174777755 7007000000002021763 B9 \$2 R A A BQ G BBD  
 0004004 00000000022131025003 00000000020041026615 0000400000001776677 00000000026463000030 BQYB/C B 6B M 5 A B X  
 0004010 0000000000000000000 0000000000000000000 17170631463146403615 2000000000000000012 00FY-Y-53MP J  
 0004014 2000000000000000000 0000000000000000004 0516042000000000000 2000000000000000001 P DENDP P A  
 0004020 00000000000065220000 0000000000000000000 0000000000000000000 0010061600000040000 R HFN D  
 0004024 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000  
 0004030 0000000000000000000 55445742443525162423 57000000250503205655 5555555553757403337 9.792UNTS. UECP, 4.504  
 0004034 2305032357000002505 0000000000000000000 0000000000000000000 0000000000000000000 SECS. UE  
 0004040 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0004050 0000000000565433134 00000000206165454000 0031300000000000005 0000740000360000002 E 8Y1 P +5 YX E 3 B  
 0004054 0234200017500000000 0000023420000001750 7777707777777777777 0000777770000047732 B1P O/ B1P O/ D Z  
 0004060 0000001420000000014 60007777002456740117 2037000020370000000 0000000000000000000 LP L T, AOP4 P4  
 0004064 0000000000000000000 0002636700000000000 7777777777777777777 2202063700000210233 B RBF4 QB0  
 0004070 0000000000000000000 0000000000000000000 00004000000501410141 0000000000000000000 5 EA6A6  
 0004074 0000000000000000000 00003246777740007777 00001755777714177600 000000000270001555 Z- 5 0 LO W M  
 0004100 0000000000000000000 4000000000000000000 0000000000000000000 0000000000000000000 5  
 0004104 0000000000000000000 0100000000000000000 0000000000000000000 0000000000000000000 A  
 0004110 0000000000000000000 0000000000000000000 0000000000000000000 00000055646710372000 H4P  
 0004114 0000000000000000000 0000000000000000000 0000000000000000000 0000000000000000000

0004130 14172205165624424242 5755000000000000000 25230522512202063752 0000000000000000000 LOREN,T777. USER(RBF4)  
 0004134 03100122070551423440 43564213160244334333 5255000000000000000 0624165700000000000 CHARGE(7158,7KNB9080) FTN.  
 0004140 1407175700000000000 16541523231211245616 0157000000000000000 11060556571617245706 LGO. N=MSSJIT,NA. IFE,.NOT.F  
 0004144 11140551040131345601 23525625230522161735 5700000000000000000 07052456040131345025 ILE(DAY1,AS),USERNO2. GET,DAY1/U  
 0004150 16541523061411025616 0157000000000000000 05160411065625230522 1617355700000000000 N=MSFLIB,NA. ENDF,USERNO2.  
 0004154 05160411065625230522 1617345700000000000 11060556571617245706 11140551040131345601 ENDF,USERNO1. IFE,.NOT.FILE(DAY1,A

0004160 23525616172406160457 00000000000000000000 22052605222457550401 31345516172455061725 S),NOTFND. REVERT. DAY1 NOT FOU  
0004164 16045700000000000000 05160411065616172406 16045700000000000000 30050411245604013134 ND. ENDF,NOTFND. XEDIT,DAY1  
0004170 03172031561104141707 00000000000000000000 00000000000000000000 00000000000000000000 COPY, IDLOG  
0004174 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0004200 00003306050000000000 00713000000001000221 00024400002727000013 70070000002476000016 OFE X A BQ B9 WW K G T N  
0004204 00000000003151000013 00000000002734000010 00004200000001000001 00000000002730000013 Y( K WI H 7 A A WX K  
0004210 77777777777777000000 00000000000000000000 23230320007770000000 0000000000000000331 SSCP CY  
0004214 00000000007770000000 00000000007770000000 23230320007770000331 23230320007770000331 SSCP CYSSCP CY  
0004220 20000000000071300244 22020655555555000000 00727767000000000000 00000775010000020227 P XB9RBF G A BBW  
0004224 000000000000176052571 00000000000000000000 00000000000000000000 00000000000000000000 A EU  
0004230 2503152356555553433 37435740424113251623 57000000010050263014 54157776340314043404 UCMS, 1048.576KUNS. A /VXL=M ICLDID  
0004234 37040712300335031012 00000000000000000000 22552324172201070555 51031552575555000000 4DGJXC2CHJ R STORAGE (CM).  
0004240 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004250 00000000000000000000 00000034062613652000 67270400000000000005 00000000000000000000 IFVK P WD E  
0004254 00000000000000000000 00000000000000000000 77777777777777777777 77777777770000000000  
0004260 00007777777000000000 00000000000000000000 37770500377700000000 00000000000000000000 4 E 4  
0004264 00000000000044000000 00000000000000000000 0000000000000130000 00000000000000002747 9 K W\*  
0004270 000000770000000000260 62530000000000000000 00004000000401420162 00024137413700010001 B \$ 5 DA7A B6464 A A  
0004274 01010226000000000000 77777777777777777777 77777777777777777777 77777777777777777777 AABV  
0004300 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004310 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
0004314 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004330 23251156354237425755 00000000000000000000 22061451403333333352 00000000000000000000 SUI,2747. RFL(50000)  
0004334 27221124050651220206 221714145255555552 02065506145522171414 17252455061114055755 WRITEF(RBFRULL) RBF FL ROLLOUT FILE.  
0004340 00000000000000000000 22020635203357550000 02050711165617060620 22170356170606202217 RBF2PO. BEGIN,OFFPROC,OFFPRD  
0004344 03562202065700000000 17252457000000000000 03140501225700000000 05301124575500000000 C,RBF. OUT. CLEAR. EXIT.  
0004350 04152057000000000000 04150451343333333333 52550000000000000000 02050711165622020620 DMP. DMD(100000) BEGIN,RBFP  
0004354 22170356220206202217 03570000000000000000 02050711165617060620 22170356170606202217 ROC,RBFPROC. BEGIN,OFFPROC,OFFPRD  
0004360 03562202065700000000 05301124575500000000 00000000000000000000 00000000000000000000 C,RBF. EXIT.  
0004364 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004400 00001470002334000000 00737400002334000001 00002400000410000000 70070000002303000012 L S1 S1 A T DH G SC J  
0004404 00000000000006000004 00000000000027000010 00004400000001000055 00000000000101000055 F D W H 9 A AA  
0004410 00000000000000000001 40000000000000000000 00000000000000000000 00000000000000000000 A5  
0004414 00000000000000000000 00000000000000000000 22031400000000000000 00000000000000000000 RCL  
0004420 20010000000073740024 15010716052455000000 00767773000000000000 00000000000000000000 PA TMAGNET  
0004424 00000000000176052577 00000000000000000000 00000000000000000000 00000000000000000000 A EU  
0004430 55000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0004434 00000000000000000000 00002334000014747374 20475504112320140131 000001002640500006456 S1 L P\* DISPLAY A V5/ ,  
0004440 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004450 00000000000000000000 00000074445103112000 00000400000000000000 00000000000000000000 9(CIP D  
0004454 00000000000000000000 00000000000000000000 77777777777777777777 77777777770000000000  
0004460 00007777770000000000 00000000000000000000 05000000050000000000 00000000000000000000 E E  
0004464 00000000000000000000 00000000000000000000 0000000000000130000 00000000000000000000 K  
0004470 00000000000000000000 60610000000000000000 0004000000101310134 00000000000000000000 5 AAY1  
0004474 01010123000000000000 77777777777777777777 77777777777777777777 77777777777777777777 AAAS  
0004500 00100000270077000101 00000000000000000000 00000000000000000000 00000000000000000000 H W AA  
0004504 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0004510 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777000000 4  
0004514 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004530 15010716052457550000 15010716052434570000 05301124575500000000 15010716052434570000 MAGNET. MAGNET1. EXIT. MAGNET1.  
0004534 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0004600	00000000000000000000	00742000000000000000	00002300000000000000	70070000000000000000		P	S	G	
0004604	00000000000000000000	00000000000000000000	00004600000000000000	00004600000000000000			-	-	
0004610	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0004620	00030000000074200023	02012403101117000000	00767774000000000000	00000000000000000000	C	P SBATCHID			
0004624	00000000000000000000	00000000000000000000	34111763010400010002	00000000000000000000				IID AD A B	
0004630	5535502250606052223	55010324112605570000	01001756140034453457	1655333565533335700	2	BUFFERS ACTIVE.		A O,L 1+1.N OO, OO.	
0004634	00001014045533335700	00001227340000120000	11475504112320140131	57000000304412010413	HL	OO. JWI J		I+ DISPLAY.	X9JADK
0004640	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0004650	00000000000000000000	00000000000000000000	75114200000000000000	00000000000000000000				I7	
0004654	00000000000000000000	00000000000000000000	77777777777777777777	77777777770000000000					
0004660	00007777770000000000	00000000000000000000	37770000377700000000	00000000000000000000				4 4	
0004664	00000000000000000000	00000000000000000000	00000000000000130000	00000000000000000000					K
0004670	00000000000000000000	60570000000000000000	00004000000000000000	00000000000000000000				5	
0004674	01010122000000000000	77777777777777777777	77777777777777777777	77777777777777777777	AAAR				
0004700	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0004710	00000000000000000000	00000000000000000000	00000000000000000000	37777777777777777777					4
0004714	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0004730	00000000000000470000	00030000000000000000	00000000000000700000	00000000000000000000		* C			
0004734	01132401032321610000	00000004000000000004	00000000000000720000	00000004000000000004	AKTACSQ	D	D		D D
0004740	000000000000000730000	00000000000000000000	00000000000000740000	00010000000000000000					A
0004744	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0005000	00001177031600000000	00744300000001000001	00033400003570003571	70070000031600003571	I CN	8	A A C I	2 2	G CN 2
0005004	00000000003420000004	0000000000704003411	0005000000001024145	00000000000106000244	LP D		GD II /	AB6+	AF B9
0005010	77777777777777777600	00000000000000000000	00000000377700000000	0000000077777777767				4	
0005014	77777777000000000000	00000000000000000035	22031400000000000000	00000000000000003411				2RCL	II
0005020	20010000000074430334	23241555555550000000	00607761000000000000	00001006010000017774	PA	BC1STM			HFA A
0005024	00000000000176052574	00000000000000000000	00000000000000000000	00000000000000000000	A EU				
0005030	55171614111605554055	03222455405520221116	24553355220501045533	55000000000000000000	ONLINE 5 CRT 5 PRINT 0 READ 0				
0005034	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0005050	00000000000000000000	00000106605470430000	23115000000000000015	00000000000000000000				AF = 8	SI/ H
0005054	00000000000000000000	00000000000000000000	77777777777777777777	77777777770000000000					
0005060	00007777770000000000	00000000000000000000	37770060377700000000	00000000000000000000				4 4	
0005064	00000000000000000000	00000000000000000000	00000000000000130000	00000000000000002747					K W*
0005070	40000177000000000511	61470000000000000000	0000000001301530170	00014153415300010001	5 A	EI *		KASA	A636\$ A A
0005074	01010232000000000000	77777777777777777777	77777777777777777777	77777777777777777777	AABZ				
0005100	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0005110	00000000000000000000	00000000000000000000	00000000000000000000	37777777777777000000					4
0005114	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					
0005130	47550422172057550000	16172205222516570000	47552205212505232456	17205703100503135505	* DROP.	NURERUN.	* REQUEST,OP.	CHECK E	
0005134	21553740000000000000	22052425221651172052	00000000000000000000	23251156354237425755	Q 45	RETURN(OP)		SUI,2747.	
0005140	00000000000000000000	01242401031056232405	15061114575500000000	16170530112457550000		ATTACH,STEMFIL.		NOEXIT.	
0005144	34564755000000000000	23052451050654335255	00000000000000000000	22052425221656232405	1,*	SET(EF=0)		RETURN,STE	
0005150	15172524575500000000	23240515561614543437	56215755000000000000	22061456414033333357	MOU.	STEM,NL=14,Q.		RFL,65000.	
0005154	00000000000000000000	47550516202256363357	00000000000000000000	11065151232734570521		* ENPR,30.		IF((SW1.EQ	
0005160	57335257011604575123	27355705215734525220	17232405155114540152	00000000000000000000				.0).AND.(SW2.EQ.1))POSTEM(L=A)	
0005164	11065151232734570521	57345257011604575123	27355705215733525220	17232405155114540252				IF((SW1.EQ.1).AND.(SW2.EQ.0))POSTEM(L=8)	
0005170	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000					



0005200 00044232011014000000 00000000041754000001 00777700005561000073 70060000010740000044 D7Z AHL DD= A F AG5 9  
0005204 00000000010742011010 57000000005561044232 00005200041752010760 00000000005561000070 AG7AHH. D7Z J DOJAG  
0005210 77777777777700000000 00000000000000000000 00020143002400072043 00000000000000000001 00000000000000000000 BAB T GP8 A  
0005214 00000000000000000000 00000000000000000645 00000000000000000001 00000000000000000000 F+ A  
0005220 00020000000000007777 23312324051555000000 01007777000000000001 00000000000000000000 B SYSTEM A A  
0005224 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000 CHECKPOINT COMPLETE. SYSTE RECOVER  
0005230 55031005031320171116 24550317152014052405 57000000552331232405 00005522050317260522 ED. A /PDSO WAIT MTR. A B .9XHE A  
0005234 0504570000001005020 04230455270111245515 2422570000001006274 02005744301005720100  
0005240 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0005250 00000000000000000000 00000111410252454000 00000000000000000000 00000000000000000000 A16B)+5  
0005254 00000000000000000000 00000000000000000000 77777777777777777777 00000000000000000000  
0005260 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0005274 00000000000000000000 77777777777777777777 00014136413600016075 00000000004000020007 A6363 A 5 B G  
0005300 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0005310 00000000000000000000 00000000000000000000 00000000000000000000 37777777777777777777 4  
0005314 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0005340 34550320363737341455 55160401550425152055 01160114312311235546 55012210550314172305 1 CP3441L NDA DUMP ANALYSIS - ARH CLOSE  
0005344 04552310172000000000 55030320551001142455 34340000000000000000 00000000000212000000 D SHOP CCP HALT 11 BJ  
0005350 000000000000000000174 00000000000000000000 00000000000000000212 04251520000000000061 A BJDUMP  
0005354 000000000000000010005 00000000000000002473 03111720000000000212 00000000000000000000 A E T CIOP BJ  
0005360 0041000000057750074 04112333020427000000 00757761200100000000 0003102400000010000 6 . DISOBDW PA CHT A  
0005364 00000000000000000000 00000000000000000000 04112357000000000010 00000000000000000000 DIS. H  
0005370 01232311071656413556 04251520560454200556 14025413255700000000 00000000000000000000 ASSIGN,62,DUMP,D=PE,LB=KU.  
0005374 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0005400 15242221000000000000 00464200000176052621 00000000000000000000 00000000000000041752 MTRQ -7 A EVQ DO1  
0005404 00000000000000041753 00000000000000041757 00000000000000041761 00000000000000041755 DO% DO. DO DO  
0005410 04230425000000000000 10531707002400757777 34041425001000440136 00000000000000000000 DSDU H%G T 1DLU H 9A3  
0005414 00000000111021071500 55334257343657333357 55424450334350344257 00400000000000000000 IHOGM 07.13.00. 79/08/17. 5  
0005420 03201554007400000112 00330000000200003060 00000001411406450001 00000042004600150005 CPM= AJ O B X A6LF+ A 7 - M E  
0005424 00000000000000000000 17563401020357550000 00000000000000000000 5555555553357333335 O,I,ABC.  
0005430 03111716000000000112 00300000000000000000 00050002414300240001 00000043006100240024 CION AJ X E B68 T A 8 T T  
0005434 00000000000000000000 00000000000000000000 00000000000000000000 5555555553357333335 0.002  
0005440 00000000000000005630 00000000000000000000 34152422125300000001 00000016025400000027 ,X IMTRJ% A NB= W  
0005444 00000000000000000000 56165433575500000000 00000000000000000000 5555555553357333335 ,N=O. 0.002  
0005450 00000000000000005610 00000000000000000000 34152422517100040001 00000043000700420026 ,H IMTR( D A 8 G 7 V  
0005454 00000000000000000000 00000000000000000000 5555555553357334135 5555555553357333335 0.062 0.002  
0005460 00000000000000005440 00000000000000000000 34152422517100040001 00000024027500170004 -5 IMTR( D A TB O D  
0005464 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0005470 23241564001600003411 00460000000000000000 00070002411411650000 000000430004600230021 STM N 11 - G B6LI 8 - S Q  
0005474 00000000000000000000 00000000000000000000 5555555553357343440 5555555553357333336 0.115 0.003  
0005500 00000000000000000000 00000000000000000000 03243633010106000100 00100076002200000000 CT30AAF A H R  
0005504 00000000000000000000 00000000000000000000 00000000000000000000 5555555553357333334 0.001  
0005510 21012023000100001165 00330042005300000035 00070001412702760011 00000042005300310035 QAPS A I O 7 % 2 G A6WB I 7 % Y 2  
0005514 00000000000000000000 00000000000000000000 00000000000000000000 5555555553357333335 - IMTR D A FB3 A J 0.001  
0005520 00000000000000005460 00000000000000000000 34152422717300040001 00000006023600010012 0.001  
0005524 00000000000000000000 00000000000000000000 00000000000000000000 5555555553357333334 0.001  
0005530 34152422327200000001 00000106471203541073 34152422327200000001 00000043001600000033 IMTRZ A AF+JC=H IMTRZ A 8 N O  
0005534 00000000000000000000 00000000000000000000 00000000000000000000 5555555553357333333 0.002  
0005540 21012023000500140151 00610701004100061011 21012023000100000145 00100076002200000000 QAPS E LA( GA 6 FHIQAPS A A+ H R  
0005544 00000000000000000000 00000000000000000000 00000000000000000000 00000000111021202735 IHQPMZ  
0005550 20112003000000000134 00000001412701615350 00050001412701620000 00000042005300270021 PIPC A1 A6WA %/ E A6WA 7 % W Q  
0005554 00000000000000000000 00000000000000000000 00000000000000000000 51072001055701000672 (GPAE.A F  
0005560 03111702000000000135 00610100003503011073 03111716000000000121 00100076002200000000 CIOB A2 A 2CAH CION AQ H R

RA =  
0000000

E,0,10100.  
CM

16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

EXPRESS 11

DSOI - V2.0

79/10/30. 15.19.37.

NOS 1-8J03T/R2B.  
NOS 1.4 STUDY DUMP.

PAGE 12

0005564	00000000000000000000	00000000000000000000	555555555357333340	555555555357333335	0.005	0.002
0005570	34030423000100000000	00000000000000000000	2101202300010000145	00000043005300240023	ICDS A	QAPS A A+ B S T S
0005574	00000000000000000000	00000000000000000000	00000000000000000000	555555555357333335		0.002
0005600	14042152000000012703	00330100000200010024	00240003612303420005	00020044042700120021	LDQ)	AWC OA B A T T C SC7 E B 9DM J Q
0005604	00000000000000000000	00000000000000000000	00000000000000000000	000000000111021202736		IHQPM3
0005610	00000000000000005500	00000000000000000000	34152422125300000001	00000006007000020002		IMTRJS A F B B
0005614	00000000000000000000	00000000000000000000	00000000000000000000	555555555357333334		0.001
0005620	34150103000205011552	00447350750000010000	00050001420600010000	00000042010300000000	LMAC BEAM) 9 /	A E A7F A 7AC
0005624	00000000000000000000	00000000000000000000	555555555357333340	555555555357333335		0.005 0.002
0005630	00000000000000005450	00000000000000000000	00200052502400000210	00000024026200110003	-/	P J/T BH TB I C
0005634	00000000000000000000	00000000000000000000	00000000000000000000	555555555357333334		0.001
0005640	00040350033304000000	00014001420004110000	00035750004101000000	00000000000000000000	DC/COD	A5A7 DI C./ 6A
0005644	00036050004101000000	00054112411200010000	00036150003401000000	00044122412201520000	C / 6A	E6J6J A C / 1A D6R6RA)
0005650	00036250002301000000	00000000000000000000	00036350001301000000	00000000000000000000	C / SA	C / KA
0005654	00036450001301000000	00000000000000000000	00036550001301000000	00000000000000000000	C / KA	C / KA
0005660	00036650001301000000	00000000000000000000	00036750001301000000	00000000000000000000	C / KA	C / KA
0005664	00037050005201000000	00024152415200210000	00037150001501000000	00000000000000000000	C / JA	B616) Q C / MA
0005670	00037250005501000000	00000000000000000000	00037350000001000000	00000000000000000000	C / A	C / A
0005674	00037450001201000000	00000000000000000000	00037550001301000000	00000000000000000000	C / JA	C / KA
0005700	00037650000001000000	00000000000000000000	00037750003701000000	00000000000000000000	C / A	C / 4A
0005704	00040050002001000000	00000000000000000000	00040150003501000000	00045231523100010000	D / PA	DA/ 2A DJYIY A
0005710	00040250006201000000	00000000000000000000	00040750021304000000	00014002421102610000	DB/ A	DG/BKD A5B7IB
0005714	00041350004401000000	00014003417306210000	7777777777777777777	7777777777777777777	DK/ 9A	A5C6 FQ
0005720	0000000000022041003	6200070500004211005	6200070500004211074	00000000000000000000	RDHC GE	DQHE GE DQH
0005724	42002021000004111163	42002120000004111250	42002120000004131335	42002422000004111422	7 PQ	DII 7 QP DIJ/7 QP DKK27 TR DILR
0005730	00000010000004237000	46002423000004121507	46002423000004121575	42000705000004211664	H DS - TS	DJMG7 EG DQM 7 GE DON
0005734	42002021000004121753	46002423000004112041	46002423000004112126	46002423000004112213	7 PQ	DJOS- TS DIP6- TS DIQV- TS DIRK
0005740	46002224000004112300	46002422000004112365	46002322000004122452	46002322000004112540	- RT	DIS - TR DIS - SR DJT)- SR DIU5
0005744	46002224000004122625	00000000000000000000	00000000000000000000	46002322000004122713	- RT	DJVU - SR DJWK
0005750	46002120000004113001	00000000000000000000	46002423000004113066	46002120000004123153	- QP	DIXA - TS DIX - QP DJY5
0005754	47000507000004123241	47000705000004123327	46002422000004113415	46002322000004113502	* EG	DJZ6* GE DJOW- TR DIIM- SR DI2B
0005760	20000000003064247002	20000000010064240001	20000002010024242000	00000004000063247000	P	X T BP A T AP BA TTP D T
0005764	00030001000216207001	00000006000256207001	0024000400023057000	00000012000003224000	C A BNP A	F B, P A T D SE J CR5
0005770	00003213000016240400	00003213000015240401	00003213000015240402	00003213000015240403	ZK	NTD ZK MTD A ZK MTDB ZK MTDC
0005774	00003213000015240404	00003213000055240405	00003213000055240406	00003213000055240407	ZK	MTDD ZK TDE ZK TDF ZK TDG
0006000	00003331000016244220	00003331000016244221	00003331000016244222	00003331000016244223	OY	NT7P OY NT7Q OY NT7R OY NT7S
0006004	00003331000016244204	00003331000016244205	00003331000015244206	00003331000015244207	OY	NT7D OY NT7E OY NT7F OY NT7G
0006010	00230012000003207000	00230012000014203000	00000012010614202400	00000012000014245600	S J CP	S J LPX JAFLPT J LT,
0006014	02000012000054236100	20000000010224240000	2000000000024050000	2000000000016050000	B J	-S P ABTT P TE P NE
0006020	23312324051500011600	00014004400400010005	26011411042532001300	00135677000000000005	SYSTEM AN	A5D5D A EVALIDUZ K K, E
0006024	23011426413500001300	00134014000000000005	2223300441350001300	00134016000000000005	SALV62	K K5L ERSXD62 K K5N E
0006030	22233026413500001300	00134015000000000005	01120321032015020240	00055231000022127600	RSXV62	K K5M EAJQCPCM8B5 E1Y RJ
0006034	11162025240000010013	00054001400100020005	11162025240000010011	0001416411600020005	INPUT	A K E5A5A B EINPUT A I A6N6N B E
0006040	11162025240000010006	00014115411500020005	11162025240000010007	00024001400100020005	INPUT	A F A6M6M B EINPUT A G B5A5A B E
0006044	11162025240000010004	00044001400100020005	11162025240000010017	00044002400200020005	INPUT	A D D5A5A B EINPUT A O D5B5B B E
0006050	11162025240000010005	00054002400200020005	11162025240000010010	00014117411700020005	INPUT	A E E5B5B B EINPUT A H A6Q6Q B E
0006054	03242201010125010400	77024150000000030100	34111723010112000023	00000000000000000001	CTRAAAUAD	B6/ CA I0SAAJ S A
0006060	34152422010113000022	00000000000000000001	22141517042300011600	00024162416203750707	IMTRAAK	R ARLMDS AN B6 6 C GG
0006064	04112333010126000400	77055026000206002262	22100620140000011600	00044275520001320707	DISOAAV	D E/V BF R RHFPL AN D7 I AZGG
0006070	20221706111402001300	00135674000000000005	01141331031417010400	77014170000100043240	PROFILB	K K, EALKYCLOAD A6 A DZ5
0006074	04112333013116020240	00014136000027477600	34231103010217000003	00000000000000000001	DISOAYNB85	A63 M* I5ICABO C A
0006100	11162025244700010012	00000000000000000005	2422170200000001502	00054062473500310305	INPUT*	A J ETROB MB E5 *2 YCE
0006104	22021001033012020240	00024151002102340200	34231102010215000002	00000000000000000001	RBHACXJB85	B61 QB1B I5IBABM B A
0006110	17252420252400000202	00024133413300020307	24010603142310001502	00024115411500030005	OUTPUT	BB B6060 BCGTAFCLSH MB B6M6M C E
0006114	010701210301603010400	77014204000100043241	01122311333437020240	00044251000023117600	AGAYCNCA	D A7D A DZ6AJ5I0148B5 D7I SI
0006120	23032237000000001516	00024143414300240302	11162025244700010016	00000000000000000005	SCR4	MN B6868 TCBINPUS* A N E
0006124	11010603142310001501	00024132413200020005	01120411032017020240	00054067000022157600	IAFCLSH	MA B6Z6Z B EAJDICPB85 E5 RM

0006130	01151301020322020240	00014133000043177600	04202322000000001516	00014161416101330005	AMKABCRBB5	A60	80	DPSR	MN	A6	6	AO	E	
0006134	01212031032313020240	00054070000040777600	01122311333536020240	00014134000023117600	AOPYCSKBB5	E5	5	AJSI023BB5	A61	SI				
0006140	01212031032313020240	00024120000040777600	11162025240000001516	0075000000000000401	AOPYCSKBB5	B6P	5	INPUT	MN			DA		
0006144	32323232320407001514	00014215421500020505	34231124010231000024	0000000000000000001	ZZZZZDG	ML	A7M7M	BEE1SITABY	T			A		
0006150	22020731033011020240	00024153002102330200	32323232321116001514	00750000000000000001	RBGYCXIBB5	B6	QB0B	ZZZZZIN	ML			A		
0006154	32323232321725001514	00750000000000000001	03063342000000001524	00014155415500010305	ZZZZZOU	ML		ACF07	MT	A6	6	ACE		
0006160	11162025240000001512	0075000000000000401	17252420252400001512	0075000000000000401	INPUT	MJ		DAOUTPUT	MJ			DA		
0006164	32323232320335001512	7105522252200020307	07222533340100001512	00024140414000010305	ZZZZC2	MJ	E1R1R	BCGGRU01A	MJ	B6565		ACE		
0006170	04013100000000001512	00024163416300010305	01151301020321020240	00014143000043177600	DAY	MJ	B6	6	ACEAMKABCQB5	A68		BO		
0006174	23240515172524001524	00054145527100530303	23241500000000001524	00054101410100030005	STEMOUT	MT	E6+	1	\$CCSTM	MT	E6A6A	C	E	
0006200	072225334000001512	00045240524000110305	07222534000000001512	00024211421100100305	GRU01	MJ	D1515	ICEGRU1	MJ	B7171		HCE		
0006204	01020101033013010400	77054661000100043240	14000000000000001512	00024142414201760707	ABAACXKAD	E-	A	DZ5L	MJ	B6767A		GG		
0006210	16011514170313001203	00135127512700010005	14071700000000001512	00055221522100010505	NAMLOCK	JC	K(W	W	A	ELGU	MJ	E1Q1Q	AEE	
0006214	01151301020321020240	00024123000043177600	01122311333536020240	00044303000023117600	AMKABCQB5	B6S	80	AJSI023BB5	D8C	SI				
0006220	03063343000000001524	00024125412500010305	16011503142310001503	00024134413400040005	CF08	MT	B6U6U	ACENAMCLSH	MC	B6161		D	E	
0006224	34231101010213000001	0000000000000000001	03063344000000001524	00044240424001510305	ISIAABK	A		ACF09	MT	D7575A		ACE		
0006230	23240515061114011224	00134773477311710011	03063334000000001524	00024122412200010305	STEMFLAJT	K+ +	I	ICF01	MT	B6R6R		ACE		
0006234	1623333010221000140	00024160000001570001	0323333010222000140	00014206000002357500	NSOOABQ	A5	B6	A.	ACS00ABR	A5	A7F	B2		
0006240	16260633010223000140	00024144000001110001	12172522330000301202	00064143414302330303	NVFOABS	A5	B69	AI	AJURO	XJB	F6868BOCC			
0006244	24260633010224000140	00014137000002500001	01132401032721000263	77044223423500670001	TVFOABT	A5	A64	B/	AAKTACWQ	B	D7S72	A		
0006250	22151200000000001502	00044007400700020005	34231121010225000021	0000000000000000001	RMJ	MB	D5G5G	B	ELSIQABU	Q			A	
0006254	22020622171414001521	00044170416600360305	22020603142310001521	00054071407100020005	RBFROLL	MQ	D6	6	3CERBFCLSH	MQ	E5	5	B	E
0006260	22151217223400301202	00125704570400310307	32323232323442001502	00014141414100200307	RMJ0R1	XJB	J.O.D	YCGZZZZ17	MB	A6666		PCG		
0006264	13242322171414001502	00014151415100660305	22153400000000301202	00125702570302770505	KTSROLL	MB	A6161	CERM1	XJB	J.B.CB		EE		
0006270	22154100000000301202	00125705570500030405	15012000000000001502	00054100410000210307	RM6	XJB	J.E.E	COEMAP	MB	E6	6	QCQ		
0006274	03063335000000001524	00044236423600010305	22153500000000301202	00125711571100630405	CF02	MT	D7373	ACERM2	XJB	J.I.I		DE		
0006300	22153600000000301202	00125712571200010005	03063336000000001524	00054105410500010305	RM3	XJB	J.J.J	A	ECF03	MT	E6E6E	ACE		
0006304	03063337000000001524	00014154415400010305	22153700000000001202	00125713571300010005	CF04	MT	A6+6+	ACERM4	XJB	J.K.K		A	E	
0006310	22154000000000301202	00125715571500010005	15311001231000001502	00044161416100020015	RM5	XJB	J.M.M	A	EMYHASH	MB	D6	6	B	M
0006314	22154200000000301202	00125707570700010005	24012313141102311202	00064142414200440005	RM7	XJB	J.G.G	A	ETASKLIBYJB	F6767	9	E		
0006320	05261200000000001502	00014142414200020005	17032401231314311202	0014655665600010005	EVJ	MB	A6767	B	E0CTASKLYJB	L	,	,	A	E
0006324	22311200000000001502	00054103410300020005	06000000000000001512	00024176417600020315	RYJ	MB	E6C6C	B	EF	MJ	B6	6	BCM	
0006330	03063340000000001524	00024124412400010305	05262401231314311202	00146563656300010005	CF05	MT	B6T6T	ACEEVTASKLYJB	L			A	E	
0006334	03063341000000001524	00044237423700010305	03063434000000001524	00054110411000010305	CF06	MT	D7474	ACECF11	MT	E6H6H		ACE		
0006340	22312401231314311202	00146561656100010005	03063430000000001524	000141564156001510305	RYTASKLYJB	L		A	ECF12	MT	A6,6,	A	ICE	
0006344	03063437000000001524	00054114411401450305	22050317262200001502	00014150415000020307	CF14	MT	E6L6LA+	CEREC0VR	MB	A6/6/		BCG		
0006350	03063433000000001524	00054106410600460305	32323232320416001521	00054136521501250303	CF10	MT	E6F6F	-	CEZZZZZDN	MQ	E631	MAUCC		
0006354	20221703061114001512	00014241424100210415	03063436000000001524	00024131413101450305	PROCFIL	MJ	A7676	QDMCF13	MT	B6Y6Y		A+CE		
0006360	03000000000000001512	00055252525200020305	24012005360000001212	00075702536500420301	C	MJ	E1111	BCETAPE3	JJ	G.8		7CA		
0006364	01012511333434010240	00055213000000000410	07222514110200001512	00055204520400130411	AAUI011AB5	EJK		DHGRULIB	MJ	E1D1D		KUI		
0006370	01110501333340010240	00014172000000000247	16052700000000001512	00014174417400010505	AIEA005AB5	A6		B*NEW	MJ	A6	6	AEE		
0006374	30050400000000001512	00055260526000010005	12170207300000001512	00024214421400030315	XED	MJ	E1)	A	EJOBGX	MJ	B7L7L		CCM	
0006400	01163031021011010400	77014162000100043240	01043533073000011212	00076137613701560004	ANXBHIAID	A6	A	DZ5AD20GX	AJJ	G	4	4A,	D	
0006404	26011411042532001400	00000000000000000001	11162025244700010014	00000000000000000005	VALIDUZ	L		A	INPUT*	A	L			
0006410	05201426052200011214	00135647564700010005	05201420350000001514	00045202520200020005	EPLVER	AJL	K,+,	A	EEPLP2	ML	D1B1B		B	E
0006414	01150231333433000263	77055160520100630001	17252420252400001516	00750000000000000005	AMYO10	B	E1	A	AOUTPUT	MN			E	
0006420	32323232320507001514	00024156415600770707	00000000000000000000	00000000000000000000	ZZZZZEG	ML	B6,6,		GG					
0006424	20221706111402001400	00000000000000000001	23032234000000001516	00055127512700320301	PROFILB	L		ASCR1	MN	E1(W		ZCA		
0006430	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000										
0006434	22152401231314311202	00125517565710250005	00000000000000000000	00000000000000000000	RMTASKLYJB	J	O,	.HU	E					
0006440	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000										

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0006474	01020101032031010400	77055161000100043240	00000000000000000000	00000000000000000000	ABAACPYAD	E1	A	DZ5						
0006500	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000										

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RA = E,0,10100.  
0000000 CH

16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

EXPRESS 11

DSD1 - V2.0

79/10/30. 15.19.38.

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NOS 1-8J03T/R28.

NOS 1.4 STUDY DUMP.

0010024 00000000000000000000 00000000000000000000 00000000000000000000 77777777777777777777  
0010030 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

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0010050 32220000064540263006 00000000001500000100 00000000000000000000 41234000412400010000 ZR F+5VXF M A 6S5 6T A  
0010054 23312324413500010000 000000000000000177777 10001200041100001200 00000000000000000000 SYST62 A O H J DI J  
0010060 00000000000000000000 00000000000000000000 00014000412777770000 000147450000000000006 A5 6W A++ F  
0010064 40014002400341200000 00040000413500000001 00000000000000000042 00000000000000000000 5A5B5C6P D 62 A 7  
0010070 41214212415741737417 40054006400740100017 40114012401340140017 40154016401740200017 6Q7J6.6 05E5F5G5H 05I5J5K5L 05M5N5O5P 0  
0010074 40214022402340240017 40254026402740300017 40314032403340340017 40354036403740400017 5Q5R5S5T 05U5V5W5X 05Y5Z5051 052535455 0

RA = E.35700,76000.  
0000000 CM 16.23.30.

EXPRESS 11  
79/08/17. (35) CYBER 174 S/N 620 CLSH.

SDSI - V2.0  
NOS 1-8J03T/R2B.

79/10/30. 15.19.38.  
NOS 1.4 STUDY DUMP.

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0035700	24002000401000010000	24001010400400010000	02000100700000010000	00300400020000000000	T P 5H A T HH5D A B A A XD B
0035704	77777777777777777777	00000000000000000000	00000000000000000000	00000000000000000000	
0035710	34002400401000010000	34001400400600010000	02000100760000010000	00300400020000000000	1 T 5H A 1 L 5F A B A A XD B
0035714	77777777777777777777	00000000000000000000	00000000000000000000	00000000000000000000	
0035720	40003770700600010000	40043740700000010000	02000100700000010000	00300040001000000000	5 4 F A 5D45 A B A A X 5 H
0035724	77777777777777777777	00000000000000000000	00000000000000000000	00000000000000000000	
0035730	67746700740000010000	67744000740000010000	60000100770000010000	00310400006000000000	A 5 A A A YD
0035734	77777777777777777777	00000000000000000000	00000000000000000000	00000000000000000000	
0035740	73747360750000010000	73747350750000010000	05000100770000010000	00730400020000000000	A / A E A A D B
0035744	77777777777777777777	00000000000000000000	00000000000000000000	00000000000000000000	
0035750	55334257353357353757	03011414511101060314	23105200000000000000	55334257353357353757	07.20.24.CALL (IAFCLSH) 07.20.24.
0035754	22052425221656110106	05305755000000000000	55334257353357353757	17162327513452550000	RETURN,IAFEX. 07.20.24. UNSW(1)
0035760	55334257353357353757	17162327513652550000	55334257353357353757	17162327514052550000	07.20.24. UNSW(3) 07.20.24. UNSW(5)
0035764	55334257353357353757	17162327514152550000	55334257353357353757	27101114055624222505	07.20.24. UNSW(6) 07.20.24. WHILE, TRUE
0035770	56141717205700000000	55334257353357354057	11010605305700000000	55334257353357354157	,LOOP. 07.20.25. IAFEX. 07.20.26.
0035774	16172355344643123336	24502235025755550000	55334257353357364157	55270111241116075506	NOS 1-8J03T/R2B. 07.20.36. WAITING F
0036000	17225516052427172213	57000000000000000000	55334257353457333357	16011555552605225534	OR NETWORK. 07.21.00. NAM VER 1
0036004	57354655223502550000	55334257353457333357	55160524271722135503	17161605032405045700	.2- R2B 07.21.00. NETWORK CONNECTED.
0036010	00000000000000000000	55334257344057363657	07052456233123050457	00000000000000000000	07.15.33. GET, SYSED.
0036014	55334257344057363757	03011414562331230504	57550000000000000000	55334257344057363757	07.15.34. CALL, SYSED. 07.15.34.
0036020	01242401031051233123	02111652000000000000	55334257344057363757	01242401031051230523	ATTACH(SYSBIN) 07.15.34. ATTACH(SES
0036024	02111632525500000000	55334257344057363757	22052425221651140717	56111652000000000000	BINZ) 07.15.34. RETURN(LGO, IN)
0036030	55334257344057363757	23251151353741520000	55334257344057363757	07052451132217163534	07.15.34. SUI(246) 07.15.34. GET(KRON21
0036034	56132217163534045616	17235255000000000000	55334257344057364057	23312305041124511154	,KRON21D,NOS) 07.15.35. SYSEDI(TI-
0036040	23312305045603520000	55334257344057374457	233123240501555050411	24550317152014052405	SYSED,C) 07.15.49. SYSTEM EDIT COMPLETE
0036044	55465503100116070555	55375555555555555555	00000000000000000000	553342573440573403357	- CHANGE 1. 07.15.50.
0036050	16011555552605225534	57354655223502550000	55334257353457344257	55160524171655031715	NAM VER 1.2- R2B 07.21.17. NETON COM
0036054	20140524055700000000	55334257353457344257	26052223111716553457	35570000000000000000	PLETE. 07.21.17. VERSION 1.2.
0036060	55334357403657364057	25031523565555553433	37435740424113251623	57000000000000000000	08.53.35. UCMS, 1048.576KUNS.
0036064	55343357354257363657	25031523565555553433	37435740424113251623	57000000000000000000	10.27.33. UCMS, 1048.576KUNS.
0036070	55343457404057353357	55141102220122315525	20040124050455465522	15240123131456552315	11.55.20. LIBRARY UPDATED - RMTASKL, SM
0036074	13354242335700000000	55343557344257333557	25031523565555553433	37435740424113251623	K2770. 12.17.02. UCMS, 1048.576KUNS
0036100	57000000000000000000	553437573335733457	25031523565555553433	37435740424113251623	. 14.00.08. UCMS, 1048.576KUNS
0036104	57000000000000000000	55344057374257354257	25031523565555553433	37435740424113251623	. 15.47.27. UCMS, 1048.576KUNS
0036110	57000000000000000000	55334257353357373757	17162327513752550000	55334257353357373757	. 07.20.44. UNSW(4) 07.20.44.
0036114	22061456343533333333	57550000000000000000	55334257353357373757	24010616011534570000	RFL,120000. 07.20.44. TAFNAM1.
0036120	55334257353457333657	55233120225516172455	06172516045655012455	33414242373757550000	07.21.03. SYPR NOT FOUND, AT 067744.
0036124	55334257353457333657	55040211045516172455	06172516045655012455	33414242354257550000	07.21.03. DBID NOT FOUND, AT 067727.
0036130	55334257353457333757	55353433405555552717	22042355220521251122	05045506172225501120	07.21.04. 2105 WORDS REQUIRED FOR AIP
0036134	55141701041116075755	00000000000000000000	55334257353457333757	55011120552325030305	LOADING. 07.21.04. AIP SUCE
0036140	23230625141431551417	01040504570000000000	55334257353457333757	55240402110455161724	SSFULLY LOADED. 07.21.04. TDBID NOT
0036144	55061725160456555501	24553342333334365755	00000000000000000000	55334257353457344257	FOUND, AT 070013. 07.21.17.
0036150	55344157353557373757	14111605005514353555	55555556051656353556	01345616170405365555	16.22.44. LINE L22 ,EN,22,A1,NODE3
0036154	00000000000000000000	55344157353557404457	14111605005514354355	55555556010356354356	16.22.59. LINE L28 ,AC,28,
0036160	01345616170405365555	00000000000000000000	55344157353657333657	06221715551617040536	A1,NODE3 16.23.03. FROM NODE3
0036164	55555022052355575757	15011116240516011603	05550114012215550000	55344157353657333657	/RES ...MAINTENANCE ALARM 16.23.03.
0036170	55555555201722245535	37000000000000000000	55344157353657343657	14111605005514353755	PORT 24 16.23.13. LINE L24
0036174	55555556041656353756	01345616170405365555	00000000000000000000	55344157353657344257	,DN,24,A1,NODE3 16.23.17.
0036200	14111605005514353755	55555556051656353756	01345616170405365555	00000000000000000000	LINE L24 ,EN,24,A1,NODE3
0036204	00000000000000000000	55344157344357344557	14111605005514353355	55555556041656353356	16.18.19. LINE L20 ,DN,20,
0036210	01345616170405365555	00000000000000000000	55344157344357353457	14111605005514353355	A1,NODE3 16.18.21. LINE L20
0036214	55555556051656353356	01345616170405365555	00000000000000000000	55344157344357353557	,EN,20,A1,NODE3 16.18.22.
0036220	14111605005514354255	55555556010356354256	01345616170405365555	00000000000000000000	LINE L27 ,AC,27,A1,NODE3
0036224	55344157344457343557	14111605005514354155	55555556051656354156	01345616170405365555	16.19.12. LINE L26 ,EN,26,A1,NODE3
0036230	00000000000000000000	55344157344457373557	14111605005514353355	55555556010356353356	16.19.42. LINE L20 ,AC,20,
0036234	01345616170405365555	00000000000000000000	55344157353457344057	14111605005514354155	A1,NODE3 16.21.15. LINE L26
0036240	55555556010356354156	01345616170405365555	00000000000000000000	55344157353557373457	,AC,26,A1,NODE3 16.22.41.

RA =	E,35700,76000.	EXPRESS 11	DSDI - V2.0	79/10/30. 15.19.38.	PAGE 16
0000000	CM	16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.	NDS 1-8J03T/R2B.	NDS 1.4 STUDY DUMP.	
0036244	14111605005514353555	55555556041656353556	01345616170405365555	00000000000000000000	LINE L22 ,DN,22,A1,NODE3
0036250	55334257344057403457	03253457000000000000	55334257344057403457	15170405513352000000	07.15.51.CU1. 07.15.51.MODE(0)
0036254	55334257344057403457	03253457000000000000	55334257344057403557	03253455552315155526	07.15.51.CU1. 07.15.52.CU1 SHM V
0036260	37573346335700000000	55334257344157373557	55000000000000000000	55343757353557354357	4.0-0. 07.16.42. 14.22.28.
0036264	55000000000000000000	55343757353557364057	55000000000000000000	55343757353557364457	14.22.35. 14.22.39.
0036270	07175700000000000000	55343757353557373557	55000000000000000000	77777777777777777777	GO. 14.22.42.
0036274	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0036350	55334257344057403457	15220757000000000000	55334257344057403457	15170405513352000000	07.15.51.MRG. 07.15.51.MODE(0)
0036354	55334257344057403457	15220757000000000000	55334257344057403457	15220755552315155526	07.15.51.MRG. 07.15.51.MRG SHM V
0036360	37573346335700000000	55334257344157403557	55000000000000000000	77777777777777777777	4.0-0. 07.16.52.
0036364	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0036450	55334257344057403457	01143057000000000000	55334257344057403457	15170405513352000000	07.15.51.ALX. 07.15.51.MODE(0)
0036454	55334257344057403457	01143057000000000000	55334257344057403557	01143055552315155526	07.15.51.ALX. 07.15.52.ALX SHM V
0036460	37573346335700000000	55334257344157404257	55000000000000000000	77777777777777777777	4.0-0. 07.16.57.
0036464	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0036550	55334257344057403457	03232557000000000000	55334257344057403457	15170405513352000000	07.15.51.CSU. 07.15.51.MODE(0)
0036554	55334257344057403557	03232557000000000000	55334257344057403557	03232555552315155526	07.15.52.CSU. 07.15.52.CSU SHM V
0036560	37573346335700000000	55334257344157364457	55000000000000000000	77777777777777777777	4.0-0. 07.16.39.
0036564	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0036650	55334257344057403457	03152557000000000000	55334257344057403457	15170405513352000000	07.15.51.CMU. 07.15.51.MODE(0)
0036654	55334257344057403457	03152557000000000000	55334257344057403457	03152555552315155526	07.15.51.CMU. 07.15.51.CMU SHM V
0036660	37573346335700000000	55334257344157403357	55000000000000000000	77777777777777777777	4.0-0. 07.16.50.
0036664	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0036750	55334257344057403457	22011657000000000000	55334257344057403457	15170405513352000000	07.15.51.RAN. 07.15.51.MODE(0)
0036754	55334257344057403557	22011657000000000000	55334257344057403557	22011655552315155526	07.15.52.RAN. 07.15.52.RAN SHM V
0036760	37573346335700000000	55334257344157404157	55000000000000000000	77777777777777777777	4.0-0. 07.16.56.
0036764	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0037050	55344157353457364457	22052425221656230322	57000000000000000000	55344157353457364457	16.21.39.RETURN,SCR. 16.21.39.
0037054	05162125112205561216	57000000000000000000	55344157353457364457	22171414172524563633	ENQUIRE,JN. 16.21.39.ROLLOUT,30
0037060	57000000000000000000	55344157353557334457	07172417560301241411	23245700000000000000	. 16.22.09.GOTO,CATLIST.
0037064	55344157353557334457	03012414112324561417	54065614542303225700	00000000000000000000	16.22.09.CATLIST,LO=F,L=SCR.
0037070	55344157353557343357	55030124141123245503	17152014052405570000	55344157353557343357	16.22.10. CATLIST COMPLETE. 16.22.10.
0037074	30050411245623032256	16105601235777145001	04353355503477740214	50010435330730507730	XEDIT,SCR,NH,AS. L/AD20 /1 BL/AD20GX/ X
0037100	00000000000000000000	55344157353557343357	21000000000000000000	55344157353557343457	16.22.10.Q 16.22.11.
0037104	22052425221656230322	57000000000000000000	55344157353557343457	05162125112205561216	RETURN,SCR. 16.22.11.ENQUIRE,JN
0037110	57000000000000000000	55344157353557343457	22171414172524563633	57000000000000000000	. 16.22.11.ROLLOUT,30.
0037114	55344157353557363457	53012424010310560104	35307305700000000000	55344157353557364157	16.22.31.\$ATTACH,AD20GX. 16.22.36.
0037120	01043533073056445603	57000000000000000000	57000000000000000000	55344157353457334157	AD20GX,9,C. 16.21.06.
0037124	22171414172524563633	57000000000000000000	55344157353457364157	07172417560301241411	ROLLOUT,30. 16.21.36.GOTO,CATLI
0037130	23245700000000000000	55344157353457364157	03012414112324561417	54065614542303225700	ST. 16.21.36.CATLIST,LO=F,L=SCR.
0037134	00000000000000000000	55344157353457364257	55030124141123245503	17152014052405570000	16.21.37. CATLIST COMPLETE.
0037140	55344157353457364257	30050411245623032256	16105601235777145001	04353355503477740214	16.21.37.XEDIT,SCR,NH,AS. L/AD20 /1 BL
0037144	50010435330730507730	00000000000000000000	55344157353457364257	21000000000000000000	/AD20GX/ X 16.21.37.Q
0037150	55334257344057403457	06232457000000000000	55334257344057403457	15170405513352000000	07.15.51.FST. 07.15.51.MODE(0)
0037154	55334257344057403457	06232457000000000000	55334257344057403457	06232455552315155526	07.15.51.FST. 07.15.51.FST SHM V
0037160	37573346335700000000	55334257344157374057	55000000000000000000	55334257344157374257	4.0-0. 07.16.45. 07.16.47.
0037164	55000000000000000000	77777777777777777777	77777777777777777777	77777777777777777777	
0037170	77777777777777777777	77777777777777777777	77777777777777777777	77777777777777777777	
0037250	55344057404057333557	53031001220705564234	40435642361637443333	33570000000000000000	15.55.02.\$CHARGE,7158,73N49000.
0037254	55344057404057343557	53012424010310560520	14260522570000000000	55344057404057344157	15.55.12.\$ATTACH,EPLVER. 15.55.16.

0037260 53030114145605201420 35570000000000000000 55344057404057344357 22052425221656240120 \$CALL,EPLP2. 15.55.18.RETURN,TAP  
 0037264 0535575500000000000000 55344057404057344357 06111405562401200535 56222454325602245403 E2. 15.55.18.FILE,TAPE2,RT=Z,BI=C  
 0037270 56061454433357550000 55344057404057344357 2206145641333333357 00000000000000000000 ,FL=80. 15.55.18.RFL,60000.  
 0037274 55344057404057344357 21255755000000000000 55344057404057344457 24244240565501232311 15.55.18.QU. 15.55.19.TT75, ASSI  
 0037300 07160504552417553232 32323211165700000000 55344057404057344457 24244240565501232311 GNET TO ZZZZZIN. 15.55.19.TT75, ASSI  
 0037304 07160504552417553232 32323217255700000000 55344057404057363457 55221555060124011455 GNET TO ZZZZZOU. 15.55.31. RM FATAL  
 0037310 33333341551716551406 1655323232322213655 00000000000000000000 55344057404157334057 0006 ON LFN ZZZZZQ3 15.56.05.  
 0037314 55221555052222172255 33334155333455151722 05552411150523551716 553232323221360000 RM ERROR 006 01 MORE TIMES ON ZZZZZQ3  
 0037320 55344157353657363357 11065157161724575106 11140551240120053556 01235252525507175524 16.23.30.IF(.NOT.(FILE(TAPE2,AS))) GO T  
 0037324 17563401020357550000 00000000000000000000 00000000000000000000 00000000000000000000 0,1ABC.  
 0037330 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0037350 15011116240516011603 05550114012215550000 55344157353657333557 55555555201722245535 MAINTENANCE ALARM 16.23.02. PORT 2  
 0037354 3700000000000000000000 55344057343357403357 06221715551617040536 55555022052355575757 4 15.10.50.FROM NODE3 /RES ...  
 0037360 15011116240516011603 05550114012215550000 55344057343357403357 55555555201722245533 MAINTENANCE ALARM 15.10.50. PORT 0  
 0037364 3600000000000000000000 55344057343757333757 06221715551617040536 55555022052355575757 3 15.14.04.FROM NODE3 /RES ...  
 0037370 15011116240516011603 05550114012215550000 55344057343757333757 55555555201722245534 MAINTENANCE ALARM 15.14.04. PORT 1  
 0037374 0400000000000000000000 55344057344157333557 06221715551617040536 55555022052355575757 0 15.16.02.FROM NODE3 /RES ...  
 0037400 15011116240516011603 05550114012215550000 55344057344157333557 55555555201722245535 MAINTENANCE ALARM 15.16.02. PORT 2  
 0037404 3500000000000000000000 55344057374457403757 06221715551617040536 55555022052355575757 2 15.49.54.FROM NODE3 /RES ...  
 0037410 15011116240516011603 05550114012215550000 55344057374457403757 55555555201722245534 MAINTENANCE ALARM 15.49.54. PORT 1  
 0037414 0400000000000000000000 55344057403457343657 06221715551617040536 55555022052355575757 0 15.51.13.FROM NODE3 /RES ...  
 0037420 15011116240516011603 05550114012215550000 55344057403457343657 55555555201722245534 MAINTENANCE ALARM 15.51.13. PORT 1  
 0037424 0400000000000000000000 55344057403757353757 06221715551617040536 55555022052355575757 0 15.54.24.FROM NODE3 /RES ...  
 0037430 15011116240516011603 05550114012215550000 55344057403757353757 55555555201722245534 MAINTENANCE ALARM 15.54.24. PORT 1  
 0037434 0400000000000000000000 55344157334357334057 06221715551617040536 55555022052355575757 0 16.08.05.FROM NODE3 /RES ...  
 0037440 15011116240516011603 05550114012215550000 55344157334357334057 55555555201722245534 MAINTENANCE ALARM 16.08.05. PORT 1  
 0037444 0400000000000000000000 55344157353657333557 06221715551617040536 55555022052355575757 0 16.23.02.FROM NODE3 /RES ...  
 0037450 55344157344357403657 53031001220705563435 34405640371336353641 57000000000000000000 16.18.53.\$CHARGE,1215,54K3236.  
 0037454 55344157344357404457 53070524560420232257 00000000000000000000 55344157344457333657 16.18.59.\$GET,DPSR. 16.19.03.  
 0037460 53050411245604202322 57000000000000000000 00000000000000000000 00000000000000000000 \$EDIT,DPSR.  
 0037464 0000000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0037550 55334257344057403457 03243657000000000000 55334257344057403457 15170405513352000000 07.15.51.CT3. 07.15.51.MODE(0)  
 0037554 55334257344057403457 03243657000000000000 55334257344057403457 0324365552315155526 07.15.51.CT3. 07.15.51.CT3 SMH V  
 0037560 3757334633570000000000 55334257344157373457 55000000000000000000 77777777777777777777 4.0-0. 07.16.41.  
 0037564 77777777777777777777 77777777777777777777 77777777777777777777 77777777777777777777

0037650 55344157353657344257 14172205165624424242 57550000000000000000 55344157353657344257 16.23.17.LOREN,T777. 16.23.17.  
 0037654 25030322565514344024 34555556555555555555 33573642401303042357 00000000000000000000 UCCR, L15T1 , 0.375KCDS.  
 0037660 55344157353657344257 25230522512202063752 00000000000000000000 55344157353657344257 16.23.17.USER(RBF4) 16.23.17.  
 0037664 03100122070551423440 43564213160244334333 52550000000000000000 55344157353657344257 CHARGE(7158,7KNB9080) 16.23.17.  
 0037670 0624165720000000000000 55344157353657354257 55555555553657373637 55032055230503171604 FTN. 16.23.27. 3.434 CP SECOND  
 0037674 23550317152011140124 11171655241115050000 55344157353657354257 14071757000000000000 S COMPILATION TIME 16.23.27.LGO.  
 0037700 55344157353657354457 55555555232417205555 00000000000000000000 55344157353657354457 16.23.29. STOP 16.23.29.  
 0037704 55555555555557364344 55032055230503171604 23550530050325241117 16552411150555550000 .389 CP SECONDS EXECUTION TIME  
 0037710 55344157353657354457 25050104565555555555 55335733333513251623 57000000000000000000 16.23.29.UEAD, 0.002KUNS.  
 0037714 55344157353657354457 25052006565555555555 55335733334013251623 57000000000000000000 16.23.29.UEPF, 0.005KUNS.  
 0037720 55344157353657354457 25051523565555555555 55415737444113251623 57000000000000000000 16.23.29.UEMS, 6.496KUNS.  
 0037724 55344157353657354457 25050320565555555555 55375740333723050323 57000000000000000000 16.23.29.UECP, 4.504SECS.  
 0037730 55344157353657354457 01052322565555555555 55445742443525162423 57000000000000000000 16.23.29.AESR, 9.792UNTS.  
 0037734 20252207055604171605 14171350251654152306 14110256160157000000 55344157344457343557 PURGE,DONELOK/UN\*MSFLIB,NA. 16.19.12.  
 0037740 55041716051417135516 17245506172516045655 55012455333333343534 57550000000000000000 DONELOK NOT FOUND, AT 000121.  
 0037744 55344157344457343557 22052605222457554704 17160547550317152014 05240557000000000000 16.19.12.REVERT. \*DONE\* COMPLETE.  
 0037750 55334257353357404157 03011414512202060314 23105200000000000000 55334257353357404257 07.20.56.CALL(RBFCLSH) 07.20.57.  
 0037754 23251156354237425755 00000000000000000000 55334257353357404257 22061451403333333352 SUI,2747. 07.20.57.RFL(50000)  
 0037760 00000000000000000000 55334257353357404257 27221124050651220206 22171414525555555522 07.20.57.WRITEF(RBFRULL) R

RA -  
0000000

E,35700,76000.  
CM 16.23.30.

EXPRESS 11  
79/08/17. (35) CYBER 174 S/N 620 CLSH.

DSDI - V2.0  
NOS 1-8J03T/R2B.

79/10/30. 15.19.38.  
NOS 1.4 STUDY DUMP.

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0037764	02065506145522171414	17252455061114055755	0000000000000000000	55334257353357404257	BF FL ROLLOUT FILE.	07.20.57.
0037770	22020635203357550000	55334257353357404257	23240122245522020655	55260522553457354655	RBF2PO.	07.20.57.START RBF VER 1.2-
0037774	55374443000000000000	55334257353357333357	16011555552605225534	57344655553744430000	498	07.21.00.NAM VER 1.1- 498
0040000	55334257353357333357	16052417165501030305	2024050400000000000	553342573533573344157	UCMS,	07.21.00.NETON ACCEPTED 12.18.16.
0040004	250315235655553433	37435740424113251623	5700000000000000000	7777777777777777777	1048.576KUNS.	
0040010	7777777777777777777	7777777777777777777	7777777777777777777	7777777777777777777		

0040050	55334257344057403457	15010716052457550000	55334257344057403557	15244040560334365655	07.15.51.MAGNET.	07.15.52.MT55,C13,
0040054	24252216050455170606	5700000000000000000	55334257344057403557	15244041560334365655	TURNED OFF.	07.15.52.MT56,C13,
0040060	24252216050455170606	5700000000000000000	55334257344057403557	15244042560334365655	TURNED OFF.	07.15.52.MT57,C13,
0040064	24252216050455170606	5700000000000000000	55334357353557333557	5500000000000000000	TURNED OFF.	08.22.02.
0040070	7777777777777777777	7777777777777777777	7777777777777777777	7777777777777777777		

0040150	22052055423656553335	5700000000000000000	55343757344457354157	02132055423556553340	REP 73, 02.	14.19.26.BKP 72, 05
0040154	5700000000000000000	55343757353557344357	22052055423756553335	5700000000000000000	.	14.22.18.REP 74, 02.
0040160	55343757353757364457	22052055423656553334	5700000000000000000	55344057333357353357	14.24.39.REP 73, 01.	15.00.20.
0040164	22221655423756553333	5700000000000000000	55344057334357344257	22221655423756553333	RRN 74, 00.	15.08.17.RRN 74, 00
0040170	5700000000000000000	55344057343457333657	22052055423756553334	5700000000000000000	.	15.11.03.REP 74, 01.
0040174	55344057363457403457	22052055423656553335	5700000000000000000	55344057363757334457	15.31.51.REP 73, 02.	15.34.09.
0040200	22052055423456553334	5700000000000000000	55344157343457404157	22052055423656553340	REP 71, 01.	16.11.56.REP 73, 05
0040204	5700000000000000000	5700000000000000000	55343357334457353757	22052055423656553334	.	10.09.24.REP 73, 01
0040210	5700000000000000000	55343357344157373357	22052055423656553334	5700000000000000000	.	10.16.40.REP 73, 01.
0040214	55343457363357353757	22052055423656553335	5700000000000000000	55343457373457364257	11.30.24.REP 73, 02.	11.41.37.
0040220	22052055423456553335	5700000000000000000	55343557363457403557	02132055423756553340	REP 71, 02.	12.31.52.BKP 74, 05
0040224	5700000000000000000	55343557403357373457	22052055423656553442	5700000000000000000	.	12.50.41.REP 73, 17.
0040230	5534365733457334157	05160455374256553334	5700000000000000000	55343657343757403457	13.07.06.END 47, 01.	13.14.51.
0040234	22221655423656553333	5700000000000000000	55343657344057403657	22052055423656553435	RRN 73, 00.	13.15.53.REP 73, 12
0040240	5700000000000000000	55343657403557373457	22052055423456553334	5700000000000000000	.	13.52.41.REP 71, 01.
0040244	55343757343357344357	02132055423556553533	5700000000000000000	5534375734357344457	14.10.18.BKP 72, 20.	14.12.19.
0040250	55334257353457364357	03011414512324155200	0000000000000000000	55334257353457364357	07.21.38.CALL(STM)	07.21.38.
0040254	47550422172057550000	55334257353457364357	16172205222516570000	55334257353457364457	* DROP.	07.21.38.NORERUN. 07.21.39.
0040260	5516175511260252455	06111405550617251604	5700000000000000000	55334257353457364457	NO INPUT FILE FOUND.	07.21.39.
0040264	47552205212505232456	17205703100503135505	2155374000000000000	55334257353457364457	* REQUEST,OP.CHECK EQ 45	07.21.39.
0040270	22052425221651172052	0000000000000000000	55334257353457364457	23251156354237425755	RETURN(OP)	07.21.39.SUI,2747.
0040274	0000000000000000000	55334257353457364457	01242401031056232405	15061114575500000000	07.21.39.ATTACH,STEMFIL.	
0040300	55334257353457364457	16170530112457550000	55334257353457364457	3456475500000000000	07.21.39.NOEXIT.	07.21.39.1,*
0040304	55334257353457364457	23052451050654335255	0000000000000000000	55334257353457364457	07.21.39.SET(EF=0)	07.21.39.
0040310	22052425221656232405	15172524575500000000	55334257353457364457	23240515561614543437	RETURN,STEMOUT.	07.21.39.STEM,NL=14
0040314	56215755000000000000	55334257353457364457	55232405155546552022	17030523231116075523	,Q.	07.21.39.STEM - PROCESSING S
0040320	24051506111400000000	55334257353457374157	55232405155546550515	25140124111716551116	STEMFIL	07.21.46.STEM - EMULATION IN
0040324	11241101240504000000	55334257353457374157	55241115055523240115	20555455554037435554	ITIATED	07.21.46. TIME STAMP = 548 =
0040330	55334257353457374157	0000000000000000000	7777777777777777777	7777777777777777777		07.21.46.
0040334	7777777777777777777	7777777777777777777	7777777777777777777	7777777777777777777		

0040350	55344157353557404457	01172031333441245755	22052711160456323435	3637404157550000000	16.22.59.AOPYO16T.	REWIND,2123456.
0040354	55344157353557404457	01172031333441245755	04050611160556160222	4104220157550000000	16.22.59.AOPYO16T.	DEFINE,NBR6DRA.
0040360	55344157353557404457	01172031333441245755	03172031563234353637	40415616022241042201	16.22.59.AOPYO16T.	COPY,2123456,NBR6DRA
0040364	57550000000000000000	55344157353657333357	01172031333441245755	55051711550516031725	.	16.23.00.AOPYO16T. EOI ENCDU
0040370	16240522050457000000	55344157353657333357	01172031333441245755	22052425221656323435	ENTERED.	16.23.00.AOPYO16T. RETURN,212
0040374	36374041575500000000	55344157353657333357	01172031333441245755	16172405511725242025	3456.	16.23.00.AOPYO16T. NOTE(OUTPU
0040400	24525023012605045503	17152014052405570000	55344157353657333357	01172031333441245755	T)/SAVED COMPLETE.	16.23.00.AOPYO16T.
0040404	05301124575500000000	55344157353657334257	01133711333433245755	53202522070556202422	EXIT.	16.23.07.AK4I010T. \$PURGE,PTR
0040410	41343356202422413434	06202422413435570000	55344157353657343457	01133711333433245755	610,PTR611,PTR612.	16.23.11.AK4I010T.
0040414	53171404562405152057	5000000000000000000	55344157353657343557	01172031333441245755	\$OLD,TEMP.	16.23.12.AOPYO16T.
0040420	53030114145607052404	51061654160222410422	0157000000000000000	55344157353657343557	\$CALL,GETD(FN=NBR6DRA.	16.23.12.
0040424	01172031333441245755	01242401031056160222	4104220157550000000	55344157353657343657	AOPYO16T. ATTACH,NBR6DRA.	16.23.13.
0040430	01172031333441245755	22052425221656323435	3637404157550000000	55344157353657343657	AOPYO16T. RETURN,2123456.	16.23.13.



0040434	01172031333441245755	03172031561602224104	22015632343536374041	57550000000000000000	AOPYO16T. COPY,NBR6DRA,Z123456.
0040440	55344157353657343657	01172031333441245755	55051711550516031725	16240522050457000000	16.23.13.AOPYO16T. EOI ENCOUNTERED.
0040444	55344157353657343657	01172031333441245755	22052711160456160222	41042201563234353637	16.23.13.AOPYO16T. REWIND,NBR6DRA,Z1234
0040450	40415755000000000000	55344157353657343657	01172031333441245755	22052425221656160222	56. 16.23.13.AOPYO16T. RETURN,NBR
0040454	41042201575500000000	55344157353657343657	01172031333441245755	03172031563234353637	6DRA. 16.23.13.AOPYO16T. COPY,Z1234
0040460	40415616022241042201	57550000000000000000	55344157353657343757	01172031333441245755	56,NBR6DRA. 16.23.14.AOPYO16T.
0040464	55051711550516031725	16240522050457000000	55344157353657343757	01172031333441245755	EOI ENCOUNTERED. 16.23.14.AOPYO16T.
0040470	22052425221656323435	36374041575500000000	55344157353657343757	01172031333441245755	RETURN,Z123456. 16.23.14.AOPYO16T.
0040474	16172405511725242025	24525007052404550317	15201405240557550000	55344157353657344157	NOTE(OUTPUT)/GETD COMPLETE. 16.23.16.
0040500	01142531333442245755	16170530112457000000	55344157353657344157	01142531333442245755	ALUYO17T. NOEXIT. 16.23.16.ALUYO17T.
0040504	01242401031056305407	42220521501554275700	000000000000000000	55344157353657344157	ATTACH,X=G7REQ/M-W. 16.23.16.
0040510	01142531333442245755	11060556061114055130	56571617245701235256	24225700000000000000	ALUYO17T. IFE,FILE(X,.NOT.ASI),TR.
0040514	55344157353657344157	01142531333442245755	05160411065624225700	00000000000000000000	16.23.16.ALUYO17T. ENDF,TR.
0040520	55344157353657344157	01142531333442245755	17160530112457000000	55344157353657344157	16.23.16.ALUYO17T. ONEXIT. 16.23.16.
0040524	22021001033012055755	14172205165624424242	57550000000000000000	55344157353657344157	RBHACXJE. LOREN,T777. 16.23.16.
0040530	01142531333442245755	03172031560742220521	56305626570000000000	55344157353657344257	ALUYO17T. COPY,G7REQ,X,V. 16.23.17.
0040534	22020731033011055755	14172205165624424242	57550000000000000000	55344157353657344257	RBGYCXIE. LOREN,T777. 16.23.17.
0040540	22021001033012055755	25230522512202064052	00000000000000000000	55344157353657344257	RBHACXJE. USER(RBF5) 16.23.17.
0040544	22020731033011055755	25230522512202063752	00000000000000000000	55344157353657344257	RBGYCXIE. USER(RBF4) 16.23.17.
0040550	22021001033012055755	03100122070551423440	43564213160244334333	52550000000000000000	RBHACXJE. CHARGE(7158,7KNB9080)
0040554	55344157353657344257	01142531333442245755	55051711550516031725	16240522050457000000	16.23.17.ALUYO17T. EOI ENCOUNTERED.
0040560	55344157353657344257	22020731033011055755	03100122070551423440	43564213160244334333	16.23.17.RBGYCXIE. CHARGE(7158,7KNB9080
0040564	52550000000000000000	55344157353657344257	01142531333442245755	55260522110631550717	) 16.23.17.ALUYO17T. VERIFY GO
0040570	17045700000000000000	55344157353657344257	22021001033012055755	06241657000000000000	OD. 16.23.17.RBHACXJE. FTN.
0040574	55344157353657344257	22020731033011055755	06241657000000000000	55344157353657344357	16.23.17.RBGYCXIE. FTN. 16.23.18.
0040600	01142531333442245755	22052425221656305607	42220521563307422205	21570000000000000000	ALUYO17T. RETURN,X,G7REQ,OG7REQ.
0040604	55344157353657344357	01142531333442245755	20252207055633074222	05215635074222052150	16.23.18.ALUYO17T. PURGE,OG7REQ,2G7REQ/
0040610	16015700000000000000	55344157353657344357	01142531333442245755	22052605222457550504	NA. 16.23.18.ALUYO17T. REVERT. EOI
0040614	11241116075503171520	14052405575550744222	05215522052722112424	00000000000000000000	ITING COMPLETE. G7REQ REWRIIT
0040620	55344157353657344357	01142531333442245755	05165700000000000000	55344157353657344457	16.23.18.ALUYO17T. EN. 16.23.19.
0040624	01172031333441245755	53050411245616022241	04220156012357000000	55344157353657354257	AOPYO16T. \$EDIT,NBR6DRA,AS. 16.23.27.
0040630	22021001033012055755	555555553657373541	55032055230503171604	23550317152011140124	RBHACXJE. 3.426 CP SECONDS COMPILAT
0040634	11171655241115050000	55344157353657354257	22021001033012055755	14071757000000000000	ION TIME 16.23.27.RBHACXJE. LGO.
0040640	55344157353657354257	22020731033011055755	555555553657373637	55032055230503171604	16.23.27.RBGYCXIE. 3.434 CP SECON
0040644	23550317152011140124	11171655241115050000	55344157353657354257	22020731033011055755	S COMPILATION TIME 16.23.27.RBGYCXIE.
0040650	14071757000000000000	55344157353657354457	22021001033012055755	5555555523241205555	16.23.29.RBHACXJE. STOP
0040654	00000000000000000000	55344157353657354457	22021001033012055755	555555555557364434	16.23.29.RBHACXJE. .391
0040660	55032055230503171604	23550530050325241117	16552411150555550000	55344157353657354457	CP SECONDS EXECUTION TIME 16.23.29.
0040664	22020731033011055755	5555555532412705555	00000000000000000000	55344157353657354457	RBGYCXIE. STOP 16.23.29.
0040670	22020731033011055755	555555555557364344	55032055230503171604	23550530050325241117	RBGYCXIE. .389 CP SECONDS EXECUTIO
0040674	16552411150555550000	55344157353657363357	01124031333437245755	11065157161724575106	N TIME 16.23.30.AJ5Y014T. IFC.NOT.IF
0040700	11140551240120053556	0123525255507175524	17563401020357550000	04112320172305560317	ILE(TAPE2,ASI) GO TO,ABC. DISPOSE,CO
0040704	20315420225700000000	55344157353557403357	01012511333434245755	53300504112456141123	PY-PR. 16.22.50.AAUI011T. \$XEDIT,LIS
0040710	24570000000000000000	55344157353557404357	01172031333441245755	53030114145623012605	T. 16.22.58.AOPYO16T. \$CALL,SAVE
0040714	04510616541602224104	22015700000000000000	55344157353557404357	01172031333441245755	DIFN=NBR6DRA. 16.22.58.AOPYO16T.
0040720	22052425221656323435	36374041575500000000	55344157353557404357	01172031333441245755	RETURN,Z123456. 16.22.58.AOPYO16T.
0040724	22052711160456160222	41042201575500000000	55344157353557404357	01172031333441245755	REWIND,NBR6DRA. 16.22.58.AOPYO16T.
0040730	03172031561602224104	22015632343536374041	57550000000000000000	55344157353557404457	COPY,NBR6DRA,Z123456. 16.22.59.
0040734	01172031333441245755	55051711550516031725	16240522050457000000	55344157353557404457	AOPYO16T. EOI ENCOUNTERED. 16.22.59.
0040740	01172031333441245755	07172417563432343536	37405755000000000000	55344157353557404457	AOPYO16T. GOTO,Z12345. 16.22.59.
0040744	01172031333441245755	34323435363740562205	24252216561602224104	22015755000000000000	AOPYO16T. Z12345,RETURN,NBR6DRA.
0040750	11140256552331232405	15305655570000000000	55344157353657344257	16260633010222325755	ILB, SYSTEMX, . 16.23.17.NVFOABSS.
0040754	01020120565503345655	01043533333356551617	23031423105655143543	24345755000000000000	ABAP, C1, AD2000, NOSCLSH, L28T1.
0040760	55344157353657344257	16260633010223235755	11010657000000000000	11010657000000000000	16.23.17.NVFOABSS. ABAP, C2, IAF.
0040764	55344157353657344257	22021001033012055755	01020316565542344043	56554213160244334333	16.23.17.RBHACXJE. ABCN, 7158, 7KNB9080
0040770	57000000000000000000	55344157353657344257	22020731033011055755	01020316565542344043	. 16.23.17.RBGYCXIE. ABCN, 7158
0040774	56554213160244334333	57000000000000000000	55344157353657344257	0114153133340245755	, 7KNB9080. 16.23.17.ALMY005T.

RA -	E,35700,76000.	EXPRESS 11	USDI - V2.0	79/10/30.	15.19.38.	PAGE	20
0000000	CM	16.23.30. 79/08/17. (35) CYBER 174 S/N 62U CLSH.	NOS 1-8J03T/R2B.	NOS 1.4	STUDY DUMP.		
0041000	01022516565501043533	33335655161723031423	1057000000000000000	55344157353657344357	ABUN, AD2000, NOSCLSH.		16.23.18.
0041004	01142531333442245755	23202007565533074222	0521565556555700000	55344157353657344357	ALUYO17T. SPPG, OG7REQ, ,		16.23.18.
0041010	01142531333442245755	23202007565535074222	0521565556555700000	55344157353657353657	ALUYO17T. SPPG, ZG7REQ, ,		16.23.23.
0041014	01141531333537245755	2503031756555555555	55375733444113031023	5755000000000000000	ALMYO24T. UCCO,	4.096KCHS.	
0041020	55344157353657353757	01124031333437245755	23200124565550201423	24012456555655570000	16.23.24.AJ5Y014T. SPAT, EPLSTAT, ,		
0041024	55344157353657353757	01012511333434245755	2503031756555555555	55375733444113031023	16.23.24.AAUI011T. UCCO,	4.096KCHS	
0041030	5755000000000000000	55344157353657354357	01110231333440245755	2503031756555555555	16.23.28.AIBYO15T. UCCO,		
0041034	55345735364113031023	5755000000000000000	55344157353657354357	01110231333440245755	1.236KCHS.	16.23.28.AIBYO15T.	
0041040	2503031156555555555	55335734434113031023	5755000000000000000	55344157353657354357	UCCI, 0.186KCHS.		16.23.28.
0041044	01110231333440245755	2523010456555555555	55335733333413251623	5755000000000000000	AIBYO15T. USAD, 0.001KUNS.		
0041050	55344157353657354357	01110231333440245755	2523200656555555555	55335733344313251623	16.23.28.AIBYO15T. USPF,	0.018KUNS	
0041054	5755000000000000000	55344157353657354357	01110231333440245755	01110231333440245755	2523152356555555555	16.23.28.AIBYO15T. USMS,	
0041060	55335744443313251623	5755000000000000000	55344157353657354357	01110231333440245755	0.990KUNS.	16.23.28.AIBYO15T.	
0041064	2523032056555555555	55335743404323050323	5755000000000000000	55344157353657354357	USCP, 0.858SECS.		16.23.28.
0041070	01110231333440245755	0123232256555555555	55355733413325162423	5755000000000000000	AIBYO15T. ASSR, 2.060UNTS.		
0041074	55344157353657354357	01110231333440245755	01232424565512200435	333342565551617230314	16.23.28.AIBYO15T. ASTT, JPD2007, NOSCL		
0041100	2310570000000000000	55344157353657354457	22021001033012055755	2505010456555555555	SH. 16.23.29.RBHACXJE. UEAD,		
0041104	55335733333513251623	5700000000000000000	55344157353657354457	22021001033012055755	0.002KUNS.	16.23.29.RBHACXJE.	
0041110	2505200656555555555	55335733334013251623	5700000000000000000	55344157353657354457	UEPF, 0.005KUNS.		16.23.29.
0041114	22021001033012055755	2505152356555555555	55415737443713251623	5700000000000000000	RBHACXJE. UEMS, 6.494KUNS.		
0041120	55344157353657354457	22021001033012055755	2505032056555555555	55375740343423050323	16.23.29.RBHACXJE. UECP,	4.511SECS	
0041124	5700000000000000000	55344157353657354457	22021001033012055755	0105232256555555555	16.23.29.RBHACXJE. AESR,		
0041130	5544574333325162423	5700000000000000000	55344157353657354457	22020731033011055755	9.800UNTS.	16.23.29.RBGYCXIE.	
0041134	2505010456555555555	55335733333513251623	5700000000000000000	55344157353657354457	UEAD, 0.002KUNS.		16.23.29.
0041140	22020731033011055755	2505200656555555555	55335733334013251623	5700000000000000000	RBGYCXIE. UEPF, 0.005KUNS.		
0041144	55344157353657354457	22020731033011055755	2505152356555555555	55415737444113251623	16.23.29.RBGYCXIE. UEMS,	6.496KUNS	
0041150	5700000000000000000	55344157353657354457	22020731033011055755	2505032056555555555	16.23.29.RBGYCXIE. UECP,		
0041154	5537574033723050323	5700000000000000000	55344157353657354457	22020731033011055755	4.504SECS.	16.23.29.RBGYCXIE.	
0041160	0105232256555555555	5544574244325162423	5700000000000000000	3455556555555555555	AESR, 9.792UNTS.	1	
0041164	33574244331314162357	0000000000000000000	55344157353657333757	22020701032731055755	0.790KUNS.		16.23.04.RBGACWYE.
0041170	25031420565514343324	3455556555555555555	33574244331314162357	0000000000000000000	UCLP, L10T1 , 0.790KUNS.		
0041174	55344157353657334157	01141531333537245755	2503031756555555555	55375733444113031023	16.23.06.ALMYO24T. UCCO,	4.096KCHS	
0041200	5755000000000000000	55344157353657334257	01133711333433245755	23202007565520242241	16.23.07.AK4I010T. SPPG, PTR6		
0041204	3433565556557000000	55344157353657334257	01133711333433245755	23202007565520242241	10, , 16.23.07.AK4I010T. SPPG, PTR6		
0041210	3434565556557000000	55344157353657334257	01133711333433245755	23202007565520242241	11, , 16.23.07.AK4I010T. SPPG, PTR6		
0041214	3435565556557000000	55344157353657343357	0323333301022235755	23031416565555553433	12, , 16.23.10.CS00ABRS. SCLN, 10		
0041220	5655033456555363656	555553356555553356	555555540236570000	55344157353657343357	0, 0, 573.		16.23.10.
0041224	0323333301022235755	2303141656555553433	565503356555555534	3444553635424143555	CS00ABRS. SCLN, 10, C2,	119 32768	
0041230	5543334457000000000	55344157353657343457	01133711333433245755	23200724565524051520	809.	16.23.11.AK4I010T. SPGT, TEMP	
0041234	5655655570000000000	55344157353657343557	01172031333441245755	23200124565516022241	, , ,	16.23.12.AOPY016T. SPAT, NBR6	
0041240	0422015655655570000	55344157353657344057	16260633010223235755	01022516565501043533	DR, ,	16.23.15.NVFOABSS. ABUN, AD20	
0041244	33335655161723031423	10565514354324345755	0000000000000000000	55344157353657344057	00, NOSCLSH, L28T1.		16.23.15.
0041250	0323333301022235755	2303141656555553433	5655033456555533756	555553356555553356	CS00ABRS. SCLN, 10, C1, 24,	0, 0,	
0041254	5555555373345700000	55344157353657344057	0323333301022235755	2303141656555553433	401.	16.23.15.CS00ABRS. SCLN, 10	
0041260	5655033565555555555	4043553363544355555	5536413557000000000	55344157353657344057	, C2, 58 23292 362.		16.23.15.
0041264	0323333301022235755	2303240556555553433	5655033456555533756	555553356555553356	CS00ABRS. SCTE, 10, C1, 24,	0, 0,	
0041270	555553356553333457	0000000000000000000	55344157353657344057	0323333301022235755	0, 001.	16.23.15.CS00ABRS.	
0041274	230324056555553433	565503356555555536	444256555555554042	565553356555535700	SCTE, 10, C2,	397, 57,	0.
0041300	0000000000000000000	55344157353657344157	01142531333442245755	23200124565507422205		16.23.16.ALUYO17T. SPAT, G7RE	
0041304	2156556555700000000	55344157353657344157	22021001033012055755	25030322565514343724	q, ,	16.23.16.RBHACXJE. UCCR, L14T	
0041310	3455556555555555555	33573642401303042357	0000000000000000000	55344157353657344257	1 , ,	0.375KCHS.	16.23.17.
0041314	22020731033011055755	25030322565514344024	3455556555555555555	33573642401303042357	RBGYCXIE. UCCR, L15T1 ,	0.375KCHS.	
0041320	0000000000000000000	55344157353657344257	01141531333537245755	2503031756555555555	16.23.17.ALMYO24T. UCCO,		
0041324	55375733444113031023	5755000000000000000	55344157353657344257	22021001033012055755	4.096KCHS.	16.23.17.RBHACXJE.	
0041330	01022516565522020640	56551617230314231057	0000000000000000000	55344157353657344257	ABUN, RBF5, NOSCLSH.		16.23.17.
0041334	22020731033011055755	01022516565522020637	56551617230314231057	0000000000000000000	RBGYCXIE. ABUN, RBF4, NOSCLSH.		
0041340	55344157353657344257	22021001033012055755	23200124565520221706	11140256552331232405	16.23.17.RBHACXJE. SPAT, PROFILB, SYSTE		

0041344 153056557000000000 55344157353657344257 22020731033011055755 23200124565520221706 MX, . 16.23.17.RBGYCXIE. SPAT, PRUF  
0041350 5533553357000000000 55344157353657333557 16233333010221235755 1627333456555343356 0 0. 16.23.02.NS00ABQS. NW01, 10,  
0041354 55363537553337333533 5533553357000000000 55344157353657343657 16233333010221235755 324 04020 0 0. 16.23.13.NS00ABQS.  
0041360 1627333456555343356 55343537553355334333 5533553357000000000 55344157353657344357 NW01, 10, 124 0 080 0 0. 16.23.18.  
0041364 16233333010221235755 1627333456555343356 36423541553355335533 5533553457000000000 55344157353657333557 NS00ABQS. NW01, 10, 3726 0 0 0 0 1.  
0041370 55344157353657353457 16233333010221235755 1627333456555343356 36423542553355335533 16.23.21.NS00ABQS. NW01, 10, 3727 0 0 0  
0041374 5533553457000000000 55344157353657353757 16233333010221235755 1627333456555343356 0 1. 16.23.24.NS00ABQS. NW01, 10,  
0041400 36423534553355335533 5533553457000000000 55344157353657354457 16233333010221235755 3721 0 0 0 0 1. 16.23.29.NS00ABQS.  
0041404 1627333456555343356 36423534553355335533 5533553457000000000 55344157353657354457 NW01, 10, 3721 0 0 0 0 1. 16.23.29.  
0041410 16233333010221235755 1627333456555343356 36423542553355335533 5533553457000000000 5533553457000000000 NS00ABQS. NW01, 10, 3727 0 0 0 0 1.  
0041414 16233333010221235755 1627333456555343356 553635375533333533 5533553357000000000 5533553357000000000 NS00ABQS. NW01, 10, 324 0C020 0 0.  
0041420 55344157353657333557 16233333010221235755 1627333456555343356 55053537553305333533 16.23.02.NS00ABQS. NW01, 10, E24 0E020  
0041424 5533553357000000000 55344157353657333557 16233333010221235755 1627333456555343356 0 0. 16.23.02.NS00ABQS. NW01, 10,  
0041430 55053537553341333533 5533553357000000000 55344157353657333557 16233333010221235755 E24 06020 0 0. 16.23.02.NS00ABQS.  
0041434 1627333456555343356 55363537553337333533 5533553357000000000 55344157353657333557 NW01, 10, 324 04020 0 0. 16.23.02.  
0041440 16233333010221235755 1627333456555343356 55053537553305333533 5533553357000000000 NS00ABQS. NW01, 10, E24 0E020 0 0.  
0041444 55344157353657333557 16233333010221235755 1627333456555343356 55053537553341333533 16.23.02.NS00ABQS. NW01, 10, E24 06020  
0041450 63137500631205562007 12776101150401001511 0000000000007620054 11162025240000001520 K JE,PGJ AMDA MI =INPUT MP  
0041454 1725240252400001520 00000067735603770224 01227374037702260040 7437037022401227456 OUTPUT MP ,C BTAR C BV 5 4C BTAR ,  
0041460 03770225010174710377 02240106750361576157 40716441522071016504 65046521631256730000 C BUAA C BTAF C .5 6JP A D D Q J,  
0041464 00000000051130140407 14666010305510061601 62101447020003360100 67361412020020170100 EIXLDGL HX HFNA HL\*8 C3A 3LJB PDA  
0041470 17003053340110060667 1014230077734011413 03620100711414056005 30541006060414003407 X\$IAHFF HLS LALKC A LLE EX=HFFDL IG  
0041474 03073054170134071602 31053406305312373446 30531240344536073105 60303306051350007200 CGX=DAIGNBYE1FX\$J41-X\$J51+3GYE XOFEK/  
0041500 04063077637072000200 66630100711430301006 07123033220037772300 16240404230003000545 DFX B A LXXHFGJXOR 4 S NTDD S C E+  
0041504 0200720603420000000 00000000000001007205 30463145340430311277 33040406303110710464 B FC7 A EX-Y+1DXYJ 00DFXYH D  
0041510 33040562303010060612 30450510303110710452 303122004040055463031 12773304050730312200 ODE XXHFFJX+EHXYH DJXYR 55E-XYJ ODEGXJR  
0041514 77003104114003073031 12771014310411401006 34131402341230076313 03365600175330143446 YDI5CGXYJ HLYDI5HF1KLB1JXC K3, 01XL1-  
0041520 05143615031261120556 01000420777300002612 60200070001340100010 00005712021200650000 EL3HCJ JE,A DP VJ P K5H H .JBJ  
0041524 05474020000027477000 00000000000400377777 03301617112514231043 0000001200377772331 \$ B B D 4 CXNOIULSH8 J 4 SY  
0041530 23240515300000000002 00000000200615600011 00000110710600220000 00130000000040060134 STEMX B PFM I AH F R K 5FA1  
0041534 00024511450300010100 10000003400054305431 54320000000000000000 00000000120004110000 B+I+C AA H C5 =X=Y=Z J D1  
0041540 10560100551503140100 24730334010054211400 34134471020007660370 54000613477107053107 H,A MCLA T CIA =QL IK9 B G C = FK\* GEYG  
0041544 53000631040302000671 14040200075371076103 0325500056003355400 06451063540006404771 \$ FYDCB F LDB G\$ G CEZ/ E C2= F+H = F5\*  
0041550 07053107230011770403 02000671407104032000 00001135020007537307 67760516500005636607 GEYGS I DCB F 5 DCP I2B G\$ G EN/ E G  
0041554 0651754540006701412 02000753140171070013 05253013052401005515 06073076601030100574 FI \*= F LJB G\$LA G KEUXKETA MFGX HXHE  
0041560 30776204147202000336 37144471310754000631 03040331540001040200 07663012041202000753 X DL B C34L9 YG= FYDCY= ADB G XJDJB G\$  
0041564 70472200200034130563 14104511307716016010 14010200075314047307 00110521500006710100 \*R P IKE LH+IX NA HLAB G\$LD G IEQ/ F A  
0041570 0651740720005020100 06616407105376071601 65070747067401001053 01000574500001103410 FI GP EBA F GH\$ GNA GG\*F A H\$A E / AH1H  
0041574 33130471137710060734 05113010121004067647 16010703640710043077 6204143302000336450 OKD K HFG1EIXHJHDF \*NAGC GHDX DLOB C3+  
0041600 50101035340036103014 17070570307760043010 44110340301344710317 46120644065106530662 /HH21 3HXLOGE X DXH9IC5XK9 COFJF9F1F\$F  
0041604 07220740074707540756 07601003100610231431 01000263500001031064 21001401540007345000 GRG5C\*G=G,G HCHFHSLYA B / ACH Q LA= G1/  
0041610 05545400077401000507 20061500107300000710 01001615003777770037 77772331232405153037 E== G A EGPFM H GHA NM 4 4 SYSTEMX4  
0041614 7777230322000000000 00022022170611140201 00462331232405153000 00002305032522252300 SCR BPROFILBA -SYSTEMX SECURUS  
0041620 0166000000000000000 00000000000000000013 0000000000000000000 0000000000000000000 A K  
0041624 0000420000000000000 0000000000000000000 0000000000000000000 0000000000000000000 7  
0041630 0000000000000000000 0000000000000000000 00000077001300021664 4200000000000000000 K BN 7  
0041634 0000000000000000000 00000004113400706213 0001000000000000000 0000000000000000000 D11 K A  
0041640 00000000000001001746 30551006210001100371 01001270306034112000 00003412140334131457 A O-X HFQ AHC A J X IIP IJLC1KL.  
0041644 02000336036314033411 14510200033630110404 14760200033650001243 04143457140154001503 B C3C LC1IL1B C3XIDDL B C3/ J8DL1.LA= MC  
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0041664 00000000000001004143 54001433307763701125 17016040304313773443 14003444036101001444 A 68= LOX IUOA 5X8K 18L 19C A L9  
0041670 14003402500214660400 53001635040414023102 03675002146734020102 00001710207436513750 L 1B/BL D \$ N2DDL82CH /BL 1BAB OHP 314/  
0041674 24472677525252110000 01001477140034033402 34003006107521007777 60103006120334015001 T+V )]]I A L L 1CLB1 XFH Q HXFJC1A/A  
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 0041714 02001426036414003457 30741621617025705000 25731277540012233052 12770404345217220703 B LVC L 1.X NQ U / U J = JSX)J DD1)URGC  
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 0042050 03010420475110000050 53711546715321043305 73720203511143620437 54710522400002043406 CADP\*(H /\$ M- \$QDOE BC(I8 D4= ER5 BDI  
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 0042120 61600421210400044722 76610127235363174450 71600070072042254761 20660711000000054671 DQDQ D\*R AWS\$ Q9/ GP7U\* P GI E-  
 0042124 20155136661271454661 54761546710200042002 56361213445626054431 21244214443672337624 PM(3 J +- = M- B DPB,3JK9,VE9YQT7L93 O T  
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 0042154 36632546205221000113 63610377260460042166 03270421576160777773 52210000550332042166 22242367324322254730 QS CWP8CTPTJ\$XDQ 6R2SH EB 7RTS 2BRU\*X  
 0042160 21236273032720224303 24202412235130042173 41223523100005026242 52210000507770620770 )Y ,M Q\$Z44XOX7N AG DQ 80 )Q / G  
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RA = E,35700,76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.39. PAGE 23  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP.

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0042340 61400423436150041777 03300423746140041777 03100423740200041777 51300000414360156450 5DS8 /DO CXDS 5DO CHDS 8 DO (X 68 M /  
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0042450 046004254770264767676 03260424720400042546 72646373550306042624 D DU\* CVDI D DU- CFQVT . CVDVY  
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0042460 03070427260306043060 03260424677264555475 03370427210306042746 72745457740307043037 CGDNVCFDX CVDI = C4DMQCFDW- =. CGDX4  
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0042574 04400426110400042621 51170001061061153633 02000417776100046000 51100001232011415610 D5VDID DVQ(O AFH M30B DO D (H ASPI6,H  
0042600 5363302000417746000 76310107552035054750 12553040004250046000 51170000631061153633 \$ XP 6 YAG P2E+/J X5 7/D (O H M30  
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0042610 03310426150400042621 20262156122011354610 03030417770331041777 51170001052021115612 CYDVM D VQPVQ,JP12-HCCDD CYDO (O AEPQI,J  
0042614 5461002000417746000 20244511700006520444 11121767101261454610 20464127475373346000 = P 6 PT+I FID9IJO HJ +-HP- W\*\$ I

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 0042650 2123462647777623712 20051514700010520644 04610425460320042655 20601032204265546000 QJ5-V\* 4JPEHL H1F9D DU-CPDV P HZP7 -   
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 0042750 20411164420324042472 63550205520615042546 06540425467315056335 63530213220615042546 P6I 7CTDT BE)FMDU-F-DU- ME 2 )BKR(FMDU-   
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 0042764 03310427722012343501 73716032704254653417 10644546100614042776 54111674410311042765 54111674410311042765 CYDW PJ12A Z 7= 10H +-HFLDW -IN 6CIDW   
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 0043040 21144156107236770016 03330424720302043056 63550766700615042546 71300076000654042546 71300076000654042546 QL6,H 3 NCODT CBDX, G FMDU- X F-DU-   
 0043044 53453105446130043054 20437205221544312646 15170000207245434544 21151725576767611131 \$+YE9 XDX=P8 ERM9YV-(O P +8+9QMU. IY   
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 0043054 13777030104305654740 54750020004177746000 51100417620311041776 76670546100400041776 K XH8E \*5= P 6 (HDO C1D0 E-HD DU   
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 0043144 61300431450400042150 52210000205130000106 20203614004177743730 63710666200322043152 XDY+D DQ/ )Q P(X AFP3L 6 4X F PCRDY)   
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RA = E,35700,76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.40. PAGE 25  
 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

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 0043170 20052366102003636720 03360431715461054720 04000417776100046000 61400000606662054104 PES HPC PC3DY = E\*PD DO D 5 E6D  
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 0043224 54550261456154001741 71740017010750044212 552510327044212220237 71400076005135044630 = B + = 06 OAG/D7J UHZ 9QRB4 5 (2D-X  
 0043230 22613110422271663630 03270432331071120714 03270432332073711047 63700137775170000077 R YH7R 3XCNDZOH JGLCWDZOP H\* A4 (

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 0043434 21244533210303042225 13634031604343754630 02000422256100046000 512004176761300441777 8 UI BB IXNK 6 CACCDRU XD3A,WHOX7R.9/  
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 0043444 20600066000120710077 20670067000120720001 20660060000120640001 20060000000120730077 K ZN9CNDRUK AYH/ XDO B DRUP AP D  
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 0043454 2000000000020000000 20110011000320540003 20300013000120727777 P P PI I CP= CPX K AP PR J AP  
 0043460 20100011000720540007 21144624177777343660 06400442125137000071 76510203146160043465 PH I GP= GQL-TO 13 F5D7J(4 (BCL D1

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 0043470 1543576500400043473 15635546300400043414 15435205670400043473 20330151367211777577 M8. D D1 M -XD D1LMBE D D1 POA(3 I  
 0043474 03110434762034410433 51100052214306010711 76270206305473121206 52120056401377711661 C101 P1600(H )Q8FAGI WBFX= JJJ)J ,5K N  
 0043500 54771547115461013666 51770000355167000030 51770000265177000074 51670000735177000064 = M\*I= A3 ( 2( XI VI ( (

0043504 51670000711666620030 51670000661160475751 03050435105140000050 54740376651074455751 ( N XI I \*(.CED2HI5 /- C H +.(

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0043570 20473733402147320330 11042040004356646000 5117000204320211621 03160436000400041776 P*405Q*ZCXIDP5 8, (O P8PQNCND3 O DO
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0043734 61600437437670076070 03010437655127000020 76310203651272354720 20144107110311041776 D48 G CAD4 (W P YBC J 2*PPL6GICID0
0043740 04000437436100046000 27207747507035772376 54710127520313041776 13775546400400041776 D D48 D WP */( 2 S = AWC)CKD0 K -5D DO
0043744 61500417760400042343 63610614003567076710 06640442125626015627 13562207440305041776 /DO D DS8 FL 2 G HF D7J,VA,WK,RG9CED0
0043750 61400060206150007776 07640437560756043756 43006201362006611501 57361207015445113434 5 P / G D4,G,D4,8 A3PF MA.3JGA=+I11
0043754 20460214060314041776 03050437561562012656 54620137770200041776 21530430602114476210 P-BLFCLD0 CED4,M AV,= A4 B DO Q$DX QL+ H
0043760 15750123126257777774 61600417760550043767 5213777765425176710 13612030604376776710 M ASJ . DO E/D4 JK -UD HK PX 8 H
0043764 20745040004177646000 52300000714326020314 15332460006100046000 72037700016357027153 P /5 6 )X 8VBCLMOT D C A .8 $
0043770 72337717571500376210 03200442121102721301 43767157372130563570 52330077762275211273 O O.M 4 HCPD7JIB KA8 .40X,2 JO R QJ
0043774 22050132200302044003 13737547300310044002 26251430140450044002 51370000712026013732 REAZPCBD5CK *XCHD5BVULXLD/D5B(4 PVA4Z
0044000 11307031304400154730 1377720214537202055771 13777026600000046000 03000442127671020744 IX YX9 M*XX BL$ E. K V D C D7J 8G9
0044004 02660000006100046000 10655616004177620636 02000423606100046000 73410204565224040558 B D H ,N 6 F3B DS D 6BD, )D05
0044010 62647777716150041777 20500032404401220236 03350417760660044212 63320262620400044547 /DO P/ Z59AR83C2D0 F D7J Z8 D D++
0044014 20273433010322044600 03200442125043000001 43714204441574754750 04000417776100046000 PW10ACRD5PCPD7J/8 A8 7D9M */D DO D
0044020 50430000142031413423 04000440276100046000 5043000010400044024 50430000156660046000 /8 LPY638D D5W D /8 AD D5T/8 M D
0044024 76710633101127222137 15641031204402711414 12661030404402720744 54640056004454054750 FOH1WRQ4M HYP9B LLJ HX59B G9= , 9-E*/
0044030 03200442130255000000 50430000012046010311 20273151450322044510 11654126362061446000 CPD7KB /8 AP-ACIPHY(+CRD+HI 6V3P 9
0044034 03010440270303044027 76710207440400044540 71300100005043000015 2027321273132230313 CAD5HCCD5W BG9D D+5 XA /8 MPWZJ KRZCK
0044040 36642137461173766600 03070440277671020744 04000417766100046000 20273430660332044047 3 Q4-I CGD5W BG9D DO D PW1X CZD5+
0044044 50430000152043015610 11404126642064454640 04000417766100046000 54440154400304044213 /8 MP8A,HI56V P +5D DO D -9A=5CDD7K
0044050 13111765400200044540 20273032204445054750 02550000006100046000 50430000147631046000 KIO 5B D+5PWXPZ9+e*/B D /8 L YD
0044054 04000440376100046000 20020445112002044511 20020440512002044511 20020440222001044031 D D54 D PBD+IPBD+IPBD5(IPBD5)PBD5RPA05Y
0044060 20000440362000044023 20000440532000044014 20000442122000044014 20130613004406743060 P D53P D55P D58P D7JP D5LPKK 9F X
0044064 76710734102011463550 20744151100400042274 00210442120021041776 62447777756336020701 GIHPI-2/P 6(HD DR QD7J QDD 9 38GA
0044070 04500455645012000060 04400455272150646000 03010417767355063360 21514634357215777770 D/D /J D5D WQ/ CADD FO Q(-12 M
  
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RA = E,35700,76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.40. PAGE 27  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP.

0044074 72557777761511563655 03210442120663044212 64551236176365067554 03040441016445136767 MI,3 COD7JF D7J J30 F=CDD6A +K  
0044100 57345675050313041776 56146676611061154615 06600441011377764501 03040417765412054750 .L, ECKDO ,L M M-MF D6AK +ACDDO =JE+/  
0044104 50320000022221163430 03220417776072777757 04400420560445042056 040004177676100046000 // BRQNLXCRDO .D5DP, D+DP, D DO D  
0044110 76710207460400041776 43252201521061111721 21606433662066076210 15313430612072220166 BG-D DO 8URA)H 1000 O P G HMYIX P RA  
0044114 15110030104412454651 43624030304411642131 20624513700005220350 11463364146640037564 MI XH9J+-(8 5XX9I QYP +K ERC/1-0 L 5C  
0044120 03250441226140000004 37446460006100046000 15336366436130044124 20624546300200042023 CUD6R 5 D49 D MO 8 XD6TP +-XB DPS  
0044124 61300441277110007773 43060040004227446000 00630442120000041776 54151432010301044133 XD6W H 8F 5 7W9 D7J DO =MLZACAD60  
0044130 62310000141551253433 21560033104413220530 20514366545064000000 63570105770450044147 Y LM(ULOQ, OH9KREXP(8 =/ .AE D/D6\*  
0044134 76210215445147000020 20230151403764211404 63350204661054420452 15240030204177654640 QBM9(+ PPSA(54 QLD 2DD H=7D1MT XP6 -5  
0044140 52430000266244000001 13666053404414254640 53333201066343063310 06140442125630000000 06140442125630000000 18 V 9 AK \$59LU-5\*OZAF 8FOHFLD7J/  
0044144 06430441474305253454 04510441464362020622 15446157701267454640 15446157701267454640 70127777575025777776 F8D6+8EUI-DID6-8 BFRM9. J +-5 J ./U  
0044150 20135714000760020237 04000433176100046000 2013061400000663510 211600450004421173710 PK.L G 8B4D D00 D PKFL 2HON + 9004H  
0044154 07450442126130044200 54255430606755143652 1102201116361021172 03110441601532613113 G+D7J XD7 =U=X L3)IHRAI BI CID6 MZ YK  
0044160 20230155204306620214 16402212066244000073 43601152207245777757 23046723577764715434 PSA PRF BLN5RJF 9 8 JIP + .SD S. -1  
0044164 0560044166724577757 77607365566100046000 53357435730324044212 17667777731355063420 E D6 + , D \$2 2 CTD7J K FIP  
0044170 03160441712264011363 23443126402120415440 03050441730306044200 36641224411104667661 CND6 R AK S9YV5QP6=5CED6 CFD7 3 JT6I/  
0044174 03150442026640067661 36643546300760044200 04600420230461042021 61667777760561044212 CM07B 5F 3 2-XG D7 D DPSD DPQ E D7J  
0044200 07050441550307043414 04000417766100046000 73470224542044412774 13444076004417567661 GE06 CGD1LD DO D \*BT=P96W K95 9U,  
0044204 3646073620060044206 77401215733744015445 22040224441130366410 07600441750306044175 3-G3PF D7F 5JM 49A+=RDBT9IX3 HG D6 CF06  
0044210 20602634600400044175 03010434140400044212 61500417776100046000 51100000271071146000 01100000271071146000 P VI D D6 CAD1LD D7J /D0 D (H WH L  
0044214 71100442205075000006 53110107115170005235 54111107115411154771 10711547710255000000 HD7P/ F\$1AGII 12=IIGI-IM+ H M\* B  
0044220 20205510251607570000 70357716062710776210 21303634301271523042 54750040004222246000 PP HUNG. 2 NFWH HQX31XJ )X7- 5 7RT  
0044224 70257716067631021203 6342023341511323040 12610546100233000000 5475004000423246000 U NF YBJC 7B08MIZX5J E-HRO = 5 9ST  
0044230 71600000015160041752 01300442316100046000 51100417541377720161 03010442302414127407 A( DO)AXD7Y D (HDO=K A CAD7XTLJ G  
0044234 54110232461361254610 21260763400312044572 20303525300525155251 26145202375134044572 =IBZ9K U=HQVG 5CJD+ PX2UXEUM(VL)B4(1D+  
0044240 71400076002133611642 63630637600266000000 21130635506341066611 56140562413677166446 5 00 N7 F4 B QKF2/ 6F I,LE 63 N -  
0044244 36772074504424354351 04450442637772466000 376730306044424776610 54730546500200044232 3 P /9T28(D+D7-4 T 4 XX 9T H =- /R D7Z  
0044250 61300442510400044546 23415436721577415676 52460443136336021702 16645534762273420770 XD7(D D+-S6-3 M 6, J)-D8K 3ROBN I R 7G  
0044254 03270445611176454740 04000442576100046000 61300442570400044546 23415203601561411741 CWD+ I ++5D D7. D XD7.D D+-S6C M 606  
0044260 50130000061533420672 63536151147131000000 61700000702033012331 03170442711104620002 /K FM07F \$ (L Y POASYCDD7 ID B  
0044264 63207200023712163400 07370442660321044561 20001633046143777717 53166236452324211661 P B4JN1 G4D7 COD+ P NOD 8 D\$N 3+STON  
0044270 64410126620400044303 11246202025316663220 22121205301177120104 03070442761117154231 6AV D DBCIT 8B\$N ZPRJJEXI JADCGD7 IOM7Y  
0044274 1525765100307044276 20530377255470213700 03010442770320044561 1104620002522004431 M . HCGD7 P\$C U= A4 CAD7 CPD+ ID 8)PD8K  
0044300 63207200025316663300 20001367736330375015 11621032004430364510 54610222312212121260 P \$1N O P K X4/MI HZ 9X3+H= BRYRJJJ  
0044304 03210445611562420672 03320442771067754330 21630430447715636636 15770206606150044232 COD+ M 7F CZD7 H 8XQ DX9 M 3M BF /D7Z  
0044310 11646213301266120614 15534546300400044540 00000000000000000000 00007777777777773567 I KXJ JFLM\$+-XD D+5 2  
0044314 7777000077777775673 77777777000017776735 77777777777700007356 56271103115442120321 , 2 , WICI-7JGQ  
0044320 21444032304432210044 54451370040330044561 21244636402032363720 03330445615321073330 Q95ZX9ZQ 9+=K DCXD+ QT-35PZ34PCOD+ \$QGOX  
0044324 03130441255331121322 62427777764373063234 20760076204422763537 54121775216551546000 CKD8U\$YJKR 7 8 FZ1P P9R 24=JO Q (= D8Z OD D D+C D POAHZD D7M=MD1 YBAX  
0044330 6160044327333046000 04000447036100046000 20330127350400044227 54150434666631020130 63320634100763044561 GMQ7AF / FM(7AFMI913CBD8= ZF1HG D+  
0044334 61600000071521420106 61500000061551420106 15114434360302044354 24202040004456246000 3D08986+R(05D8= 5D8\$(PQD WPQFOTPP5 9,T  
0044340 07360443444341454351 04400443546140044353 51200421712720210633 15626276064063654620 03050443546345054354 D5D8\*GID+ =U93R(XDO M F5 =PCED8= +EB-  
0044350 07640445615120042173 61400445531063346000 04000445636100046000 50630000006160000007 G D+ (PDD 5D8\$H I D+ D / G  
0044354 51200444007150000057 51300444012052243052 54111156147170001750 03060443756140777755 (PD9 / .(XD9AP1TX)=II,L O/CFD8 5  
0044360 54431271066120000011 37767676050327044363 6140000005044000001 42621401212670167221 =8J F P 14 ECWDB 5 /9 A7 LAQV N Q  
0044364 2046607020443651377 66665406367366436464 03170443632266415460 03050443753674520606 03050443753674520606 P- P9314 =F3 8 COD8 R 6= CED8 3 JFF  
0044370 43444114463664767605 06530443755061000001 61200000125043000001 2670171500000010644 896L-3 EF\$D8 / A P J/R AV OM AF9  
0044374 61407777550317044363 54610137770753044227 67311434360530044356 04000442276100046000 5 COD8 = A4 G1D7W OL13EXD8,D D7M D  
0044400 17170631463146314632 2000000000000000012 55555555555555555555 5555555555333333335 OOFY-Y-Y-ZP J 0000  
0044404 10211430662023015320 6130044403013044546 2126064400622777766 06200445615212010016 HQLX PSA\$P XD98CKD+-QVF R FPD+ )JA N  
0044410 03110444115110010016 26251510000572043015 66700434526120000012 73550437606160000005 C1D9I(HA NYUMH E DXM D1) J D4 E  
0044414 23250153122720324452 03030444335430515637 22263203442060353460 12323532611564720267 SUA\$JWP29)CCD90=X(,4RVZCP 21 JZZ M B  
0044420 21462123235024000006 73220442263725237664 1632544420330344414 2146605700442466750 Q=QSS/T F RDRV4US NOU97COD9LQ= . 97- /  
0044424 03360444140304044427 05400444146145000000 04000444146100046000 54110276515461054550 C3D9LCDD9HE5D9L + D D9L D =IB (= E+/  
0044430 43760762502073020244 11575125251075526105 54750040004454646000 26151271012325011121 8 G /P 8B9I.(UUN ) E= 5 9= VMJ ASUAIQ  
0044434 66500133200313044414 66540054004442766570 05700444277071767761 03070442276100046000 /AOPCKD9L = 97 E D9W CGD7M D

0044440	54210437605110010016	26202151122625146000	04000444146100046000	504300000061563515445	=Q04 (HA NVPQJ JVUL D D9L D /8 FM (+
0044444	03070444510327044447	73771031704456142764	03060444473777446000	27204217072420244772	CGD9(CWD9* HY 9,LW CFD9*4 9 WP7 GTPT*
0044450	26727227276100046000	73271634713733276710	37662207570336044540	23615617077771720360	V WW D WNI 40W H4 RG.C30+5S ,0G C
0044454	67361152364357011363	53223510004431246000	03010444644327215016	15212210026222000070	31)38.AK \$R2H 9YT CAD9 8WQ/NMQRHS R
0044460	2020263320201053406	633232222454022034	66337152202636343001	03220445611166454640	PPVOPPPM1F ZZRT=DBP1 0 JPS XACRD+ I +-5
0044464	5422112625030604464	75426246262040246000	62640037247646212334	03300444720400044561	=R1VUCFD9 7 -VP5T 4T -Q51CKD9 D D+
0044470	54221616600000412625	03060444702462676462	23627126265462054100	23634126617642754610	-RNN 6VUCFD9 T 5 VV= E6 S 6V 7 -H
0044474	20402674416334054220	20401540206334312625	05400444714346164440	15134606300002011643	PSV 6 1E7PP5M5P 1YVUE5D9 8-N95MK-FX BANB
0044500	75526727100400012665	21102643202061454250	20444074304450377546	15224763105463012727	I WHD AV QHV8PP +7/P95 X9/4 -HR+ H= AWX
0044504	73551040004454346000	73410204565224044055	03240445072023646000	6332026620400044546	H5 9=1 6B0,TD5 CTD+GPS ZB D D+-
0044510	71700200000301044035	23415151144337276510	12331207576333020172	73270235352020253416	B CAD52S6((L84W HJ0JG. OBA W822PPULN
0044514	63320112542253521773	13645114541555713454	03040445250430044527	03020442132141076310	ZAJ-R1)D K (L-M 1=CDD+UDXD+WCBD7KQ6G H
0044520	0314044521377754670	03300445400400044213	13773203435423120730	3627164730304044520	CLO+RK -5CXD+5D D7KK ZCB=5JGX3 CDD+P
0044524	54720134440400044520	03050442137671076310	20744435010400044543	52230443162030215562	= A19D D+PCED7K G HP 92AD D+81SD8NPXQ
0044530	63430203016343443461	54230204141124223444	17664154741355421504	03150442137631017737	8BCA 891 =SBDLITR190 6= K 7MDCMD7K YA 4
0044534	36727040004452446000	77601516004175210711	01300445366100046000	1067702330000046000	3 5 9)9 MN 6 OGIAXD+3 D H SX D
0044540	54250763102021446000	03220445431043320462	50230000151262454620	50430000021564321444	=UG HPQ9 CRD+8H8ZD /S MJ +-P/8 BM ZL9
0044544	03140442135464054750	02550000006100046000	61500442326100046000	20130433624327015313	CLD7K- E+/8 D /D7Z D PKD0 8WA3K
0044550	52430057207263777677	43560153451104620303	03200442135243000002	15642214445333020130	J8 .P 8,A4+ID CCCPD7K)8 BM RL94OBAX
0044554	03140442130460044556	54440766105464013264	03020445701241520114	60630000207371020144	CLD7KD D+,-9G H= AZ CBD+ MQIAL P BA9
0044560	1511502330000046000	61500442320200044213	76110271012410145212	26706431142770711116	MI/SX D /D7ZB D7K IB ATHL)JV YLW IN
0044564	24707211144177227101	41112267672276726161	61660000142216136617	02440000006100046000	T IL6 R A6IR R LRNK DB9 D
0044570	54550437011277554750	03350442130255000000	51340446056621163630	02660000006100046000	= D4AJ */C2D7KB (ID-E QN3XB D
0044574	0001043224000000000	0000000000000000000	04000000026100046000	5150041753535121560	ADZT D B D (/D0\$2JM
0044600	54431205066160044603	21344145555313021444	63550634400400044717	13777511000013176210	=8JEF D-CQ16+ \$KBL9 F15D D+OK I KO H
0044604	36612546100400044227	00000000000000044577	00000000000000044561	00000000000000044561	3 U-HD D7W D+ D+ D+
0044610	00000000000000044561	00000000000000044561	00000000000000043144	00000000000000043160	D+ D+ D+ D+ DY9 DY
0044614	00000000000000043166	00000000000000043167	00000000000000043173	00000000000000043200	DY DY DY DZ
0044620	00000000000000043202	00000000000000043202	00000000000000043206	00000000000000043215	DZ8 DZ8 DZF DZM
0044624	00000000000000044735	00000000000000044212	00000000000000044212	00000000000000044212	D*2 D*7 D*7 D*7 D*7
0044630	60000445610000043235	40000445610000043317	70000445610000043343	60000445610000043404	D+ DZ25 D+ D00 D+ D08 D+ D1D
0044634	00000445610000043757	00000442560000044221	40000445610000043414	00000445610000041776	D+ D4. D7. D7Q5 D+ D1L D+ D0
0044640	40000445610000043572	40000445610000043574	00000443330000044221	00000445610000045044	5 D+ D2 5 D+ D2 D80 D7Q D+ D/9
0044644	00000443330000043240	00000445610000043711	00000445610000043744	00000444040000044221	D80 DZ5 D+ D4I D+ D49 D9D D7Q
0044650	00000445610000043745	00000445050000044007	40000445610000044152	00000445610000044005	D+ D4+ D+E D5G5 D+ D6) D+ D5E
0044654	40000445610000043461	00000442500000044221	00000445610000044063	40000445610000044111	5 D+ D1 D7/ D7Q D+ D5 5 D+ D6I
0044660	40000445610000043611	00000443170000044221	00000446730000043362	00000442420000044221	5 D+ D3I D80 D7Q D- D0 D77 D7Q
0044664	00000445610000043511	000004456750000044221	00000445610000044212	00000000000000044212	D+ D2I D. D7Q D+ D7J D7J
0044670	137770530004422746000	54331672750313044677	54750040004423246000	63350103116150777772	K \$ 9R =ON CKD- = 5 9ST 2ACI /
0044674	2052061707777643270	03350445616160044670	67275053004467754351	10633213300303044671	P)FOG Z C2D+ D- W/\$ 9 8(H ZKXCCD-
0044700	11423031404470163237	53762672210620044701	03040446716343553160	51400447157461063240	I7XY59 NZ4\$ V QFPD*ACDD- 8 Y (5D*M FZ5
0044704	43752770051566736060	20636150071266054141	06420447117614076044	20103437703611015017	8 W EM P /GJ E66F7D+I LG 9PH14 31A/D
0044710	11171200322015412110	12761366645574167442	46400447146100046000	07040447060266000000	IOJ ZPM6QHJ K N 7-5D+L D GDD+FB
0044714	00447373007000737305	000000010000000000100	005000000000000000000	06500447035140044715	9 E A A / F/D+C(5D*M
0044720	63240750121444473604	04000447046100046000	76140760442010343670	36110150161116120032	TG/JL9+3DD D*D D LG 9PH13 31A/NINJ Z
0044724	74610201541211043752	75015156671500720636	12010126065160044731	46400447316100046000	BA=JID4) A(, M F3JAAVF( D*Y-5D*Y D
0044730	02660000006100046000	00120457560000045776	000000000000000000000	000000000000000000000	B JD., D.
0044734	000000000000000000000	50100447322433176410	030104177720457776230	23334137132020354710	/HD*ZT00 HCADD P+ XS064KPP2+H
0044740	72020054010400043142	60407777165710421130	13215030204177774001	6140000225311456274	B -AD DY7 5 N.H7IXKQ/XP6 5A 5 R\$1+
0044744	53354264422665373330	26161110030313044755	06640447516100046000	06650417776450027655	\$27 1V 40XVNIHCCKD+ F D*( D F D0 /B
0044750	51600447340400041777	030704475406450441777	52150000206375046000	04000420566100046000	( D*ID DD CGD*-F+D0 JM P D D DP, D
0044754	06540447520400041777	03000447510400044747	60407777160470044770	57404214306244000000	F=D*)D DD C D*(D D** 5 ND D* .57LX 9
0044760	0447044770336044775	51170000222666163410	5010000060524400027	21130635100457044775	D*D* C3D* (O RV NIH/H )9 RQKF2HD.D*
0044764	52110000222605473010	26131054004477146000	0736044770075604477	04000447756100046000	JI RVE+XHVKH= 9 L G3D* G,D* D D
0044770	07530447770400044775	64501054504477726654	0763044775031004477	06530447756450027657	G3D* D D* /H-/9 -G D* CHD* F3D* /B .
0044774	51600447346100046000	63630261457140007600	02660000006100046000	60307330447601057103	( D*1 D B + 5 B D X X9 AE C
0045000	61300417770400044224	00000002000000000000	00045021000000000000	00000005000000000000	XD0 D D7T 8 D/Q E

0045004	70070000000000000000	00000000000000000000	00000000000000000000	00045001000000000000	G			D/A
0045010	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000				
0045020	00000000000000000000	00000000000000000000	00000000000000000000	04000000026100046000				D B D
0045024	00004154000576000000	00000000000000000000	00777700000000045024	70070000000000000000	6= E	A	D/T G	
0045030	00000000000000000000	00000000201071000000	00000000000000000000	00000000001453777734		PH		L\$ 1
0045034	77777777777777770000	00000000000000000000	00000000000000000000	0200000000020100000			B	PH
0045040	77777777777700000000	0000000000000000766	00000000000000001451	0200000000120100050		G CTIP	L(B	APH /
0045044	20127434606361010611	04600450476140000004	0646045057040004212	72757717577205770000	PJ 1	AFID D/+ 5	DF-D/.D D7J	O. E
0045050	20115157071501421673	72307777661173754351	03270442125315055211	20173137326150041777	PI(.GMA7N X I	8(CWD7J\$ME)	IPOY4Z /DD	
0045054	03210445705230043450	15776201010317044212	04000450616100046000	05610450602167311161	QQD+ )XD1/M AACOD7JD D/	D E D/ Q YI		
0045060	52310434435110000110	26363152342356120344	11525154344370122464	03360450662635320360	)YD18(H AHV3Y)1S,JC91()	=18 JT C3D/ V2ZC		
0045064	23657636302266613525	15316144440313045070	37614767100305045070	54610547500400041777	S 3XR 2UMY 99CKD/ 4 *	HCED/ = E+/D DD		
0045070	20745106115475054651	04000417776100046000	72645454717274545474	03060452120317042472	P (FI= E-(D DO D	==	== CFDJJCUDT	
0045074	63550514700002120552	06150425467264747777	04000425467264747777	0306042546770446000	EL 8JE)FMDU-	9)NL U LCFDU- 9		
0045100	06140425462020266535	63320433715117000102	43214112215147000064	03020451062013043601	FLDU-PPV 2 ZDO (O AR8Q6JQ(+	CBD(FPKD3A		
0045104	03310451061266120644	03140425465061000000	5127000077234373150	15643202607266777770	CYD(FJ JF9CLDU-/ (W	S8*Y/M ZD		
0045110	27531112626130045121	03060451650332042274	43001545502005112650	54650200467157000000	H\$IJ XD(QCFDI CZDR 8 M+)	PEIV/- B -.		
0045114	04000452006100046000	5615071700000311101	12671201561377754610	03210425460400041776	D D) D ,MGO YIAJ JA,K	-HCQDU-D DD		
0045120	77730451700044045165	52430000501344573140	03110451155042000072	52130000511220463660	D( QDI )8 /K9.Y5CID(M/7	)K (JP-3		
0045124	51470001012261120411	03260451300334045130	51470000222043015440	72447700160330405112	(* AAR JDICVD(XCID(X(+	RP8A-5 9 NC1D(I		
0045130	63310030204516521122	03310451651521043666	04300451650613045174	0400451650613045174	624177777752112256450	Y XP+N)IRCYDI MOD3 DXD	FKDI 6 QJU /	
0045134	61330000020640045137	20452154467264000002	37662032604254663441	71447776767367477736	O BF5D(4P+Q-- B4 PZ	7= 16 9	* 3	
0045140	03260425467327411442	72110000004373076250	03240451740301045150	27242360136140000020	CYDU- W6L7 I B G /CTD	CADI(MTS K 5 P		
0045144	63514766200656045174	61600451473766056120	63560040004472246000	26242430606352043730	(* PF,D( D(+4 E P, 5 9 T	VITX )D4X		
0045150	51170000715147000074	20114117746333315110	12771561505773165513	26635545506160045155	(O (* PI60 OY(HJ M /. N	KV +/- D(		
0045154	73650556710400044722	52130000514300176210	50420000721260154610	36742511700006454740	E, D D*R)K (8 O H/7 J	M-H3 UI F++5		
0045160	22232366211075554610	43030207235110041767	15550217731261546000	70527777571167654650	RSS QH -H8C8G(SHDD M	BO J = ) .I -/		
0045164	04000455446100046000	56150116012015713777	7125777750306045365	12664546100400041776	D D 9 D ,MANAP 4 CQDTS	5 EJ +-HD DD		
0045170	56150734507170000011	11101031404517276710	12617137775461054750	04000417776100046000	,MG1/ I(HHY5+OW HJ 4	= E+/D DD D		
0045174	561507120000000311101	36621546106100046000	705277757137776000	52730000506100046000	,MGJ YIA3 M-H D ) .K	/ D		
0045200	51200417635245000022	03120424157621120443	71303415012053512705	20352613004500612173	(PDD )+ RCJDTH QJD8	XIHAP\$(WEPZVK +P Q		
0045204	202031261203240042043	04000424236100046000	03010424235455043630	15056205235140041767	PSAVJCTDP8D DTS D	CADTS = D3XHE ES(5DD		
0045210	13777032504177612740	54750020004242346000	51270000226365020230	061604254651130000050	K Z/6 W5= P 771 (W R	BBXFENDU-(K /		
0045214	06640425461571015420	56363137477244770014	03170425460334042546	43252741304356715112	F DU-M A-P,3Y4+ 9	LCODU-CIDU-8UM6X8, (J		
0045220	71600045402044646000	51600455141244146000	43766511004551115737	51200455142037363570	+5P9 ( D LJ9L 8 I	+I(.4PD LP43Z		
0045224	72627767175462022151	03330425467165777761	7125777750306045365	2032315730203427757	O= 8Q(CODU-	U CFI\$ PZY.LP17 .		
0045230	63630061504254663576	03210452350312045233	04600452356156000004	061600455047050045504	/7= 2 CQD)2CJD)OD D12	, DFND DG/D D		
0045234	07450455046100046000	03340452466160006021	54231635200756045506	61600077770765045506	G+D D D CID)-	Q-SN2PG,D F G D F		
0045240	57151156150301045502	20607155105216000074	21506131124323011121	51200000571211521260	.MI,MCAD BP HIN Q/	YJBSAIQ(P .J)IJ		
0045244	03110455001326220622	15220124460302042423	51200455122045226157	22652521400010221160	CID KVRFRMRAT-CBOT	S(PD JP+R .R UQ5 HRI		
0045250	52240000202042222516	03010452535411020130	03210454736100046000	10122201060331045473	)T PPTRUNCAD)S=IBAXCQD	= D HJRAFCD=-		
0045254	20352636300326045267	7115777710311045257	76661030604526711707	03250452634350211554	P2V3XCVD) M CID). HX	+V OGCUD) 8/QM=		
0045260	71110000012050213151	63610030104254653146	03310452672014663610	15520202600616045443	I AP/QY( XH7= Y-CYD)	PL-3HM)BB FND=8		
0045264	15620205067327620606	03320454433725273666	03320454436100046000	20430636404357120444	M BEF W FFCZD=84UM3	CZD=8 D P8F358.JD)		
0045270	50220000442256515125	2032271557777520572	72330000006255777766	06500425460255045305	/R 9R,(IUPZHM. )E O	F/DU-8 D&E		
0045274	03250453050400045503	03250453140400045324	03250453520400045324	03250453650400042546	CUD\$ED D CCUD\$LD D\$TCUD\$	DD D\$TCUD\$ D DU-		
0045300	03250425460400045370	03250453700400045415	03250454150400045425	03250425460400045330	CUDU-D D\$ CUD\$ D D=MCUD	=MD D=UCUDU-D D\$X		
0045304	03250454240400045330	43670227665012777735	15727201300307045477	15110721177001420102	CUD-TD D\$X8 BW /J	2M AXCGD= MIGOO A7AB		
0045310	03310453136251000000	51270000642265615226	71500000640312045444	70517777550400045433	CYD\$K ( (W R )V /	CJD=9 ( D D=0		
0045314	76310225636052777713	37725031604532020503	11752435702170336117	22565231611175222301	YBU ) K4 /Y +ZBECI	T2 Q O UR, )Y I RSA		
0045320	03010454775117000112	547206760533771313555	54710030604544453160	127315477100400045444	CAD= (D AJ= F E4 Y2 = X	+9+Y J M*HD D=9		
0045324	03010454777155000007	73770542102211211312	63520033304254646000	04000454446100046000	CAD= G F2 O CYD\$3 /	D D=9 D		
0045330	03010454777155000001	73770542102211211312	63520033304254646000	0310455046367546000	CAD= A E7HRIQKJ )	OX7= CYD D =		
0045334	06150455046352346000	07460455040332045443	61600453370400045515	10244761500315045341	FMD D )1 G-D DCZD=8	D\$4D D MHT+ /CMD\$6		
0045340	62560000007261000000	53160655156160045343	76540040004472246000	10422634305314043266	, \$NF M D\$8 = 5 9 T	H7VIX\$LDZ		
0045344	15212430607222777737	03320455032012237615	15360542202065236725	54610205303677543201	MOTX R 4CZD	CPJS MM3E7PP S U=	REX3 =ZA	

0045350 54720030304550320272 12442040004550346000 436702376250127777734 15576723177777721314 - XX+/ZB J9P5 +/1 8 B4 /J 1M. SO KL  
0045354 502277777355012000057 20230156205022000055 20111726677001616116 03210453607255000040 /R 2/J .PSA,P/R PIOV A NCOD\$ 5  
0045360 03030453625110000043 20267201571131214333 03330453637255000020 53140201221100112615 CCD\$ (H 8PV A.IYQ8OCOD\$ P\$LBARIHIVM  
0045364 2065254610040004503 51170001121366615510 51630000500305045503 67601135550400045444 P U-HD D C(0 AJK H( /CED C I2 D D-9  
0045370 76760217026267000060 766102236661273222201 61550000055012000026 13555045004537620157 BOB BS J RRA E/J VK /+ +4 A.  
0045374 03310454731567354620 04000454446100046000 03020454775012777733 15210547201160121606 CYD= M 2-PD D=9 D CBD= /J OMQE\*PI JNF  
0045400 03020454445110041767 22207103115316113331 21344427140313045444 51100455131537043715 CBD=9(HDD RP C\$NIOYQI7GLCKD=9(HD KM4D4M  
0045404 11112203444327020254 27303243436644415337 66444232421112176610 66444232421112176610 IIRC98WBB=WXZ88 9644 9727IJO HCKD=ECID=9  
0045410 50127777352013015710 50120000266647770014 06400454442061412716 06400454442061412716 705277771350710000000 /J 2PKA.H/J V \* LF5D=9P 6WN ) K/  
0045414 04000454336100046000 76310226632060311762 03250454220301045477 71500000570317045444 D D=0 D YBV P YO CUD=RCAD= / .COD=9  
0045420 51170001123671313662 54710546200400045503 7130777760317045420 71500000610400045444 (O AJ3 Y3 = E-PD D C X COD=P / D D-9  
0045424 4201202731242446000 71500000400330045444 71500000422670743201 0307045445313312424 8PJB J79 / 5C1D=9 / 7V ZACGD=9\$KYYT  
0045430 43606543304325215636 74510114242230115552 54630124450400045222 53240511000005020430 8 8X8UQ,3 (ALTRXI) = AT+D DJR\$TEI EBDX  
0045434 75733730400301042423 20020544312260212070 22704526100000354761 03030452005343346000 4X5CADTSPBE9YR QP R +VH 2\* CCD) \$81  
0045440 61600000046100046000 10644676615466154441 05600454410400045200 71500000436661043060 D D H - = M96E D=6D D) / 8 DX  
0045444 541304306062056676210 15716635400324045460 22304107112030253140 0330454546020716611323 =KD3FP, HM 25CTD= RX6GIPXUY5COD= P KS  
0045450 36332367732073037772 15116364431537012151 12612207527150000040 54610205660336045460 30S P C MI 8M4AQ(J RG) / 5= BE C3D=  
0045454 7150000000303045460 51100455147231776717 03330454605214000000 54730103110660045222 / CCD= (HD L Y OCOD= 1L = ACIF DJR  
0045460 12657126261377754630 06600417765615067606 66511065604550754750 51200417671071121130 J VVK -XF DD ,MF F (H +/ +(PDO H JIX  
0045464 51460000207331012232 15340114040303041777 2002214065334111303 203232027103316041777 (- P YARZMIALDCCDD PBRLF\$1IKK ZGQCND  
0045470 21773765600400045544 26157713577775176570 03030454336100046000 71500000440326045444 Q 4 D D 9VM K. D CCD=0 D / 9CVD=9  
0045474 50217777612043063640 20444436702216615621 03160454446100046000 71500000630400045444 /Q P8F35P993 RN ,QCND=9 D / D D=9  
0045500 62557777767225777773 045004547103202045471 71500000450400045444 13555666100400045444 U D/D= CBD= / +D D=9K , HD D=9  
0045504 71500000426160777775 43060040004544446000 71500000410400045444 056104254602170000012 / 7 8F 5 +99 / 6D D=9E DU= J  
0045510 04000423226100046000 10104000020200000000 00504000001460000000 00003567356735673567 D DSR D HM5 BB /5 L 2 2 2 2  
0045514 00000000000000001300 71340000005110045514 61400000020660045520 61400000026760646000 K 1 (HD L 5 BF D P 5 B  
0045520 7227777670332045525 231412111032010337271 03320455252120546000 03020455257170000100 W CZD USLJICPH CZD UQP= CBD U A  
0045524 37217033204552522701 10277541102224263470 37712547100266000000 06530451762152276410 4Q OP+))WAHM 6HRTV1 4 U\*HB F\$D(Q)W H  
0045530 43066531351555012741 72617777434320615060 20566151722076612651 03000455357200777771 8F Y2M AW6 88P / P, ( P VIC D 2  
0045534 03100455437101000000 03050455377160000040 20666121166100046000 63670125450663045176 CHD 8 A CED 4 5P QN D AU+F D(  
0045540 53336360042000615232 36601127252045254730 37664460006100046000 13777546100400041776 \$0 DP J23 IWUP+U\*X4 9 D K -HD DD  
0045544 52150000202072322311 03230455614320276310 13612215075461020357 6345023345120041757 )M PP Z5ICSD 8PW HK RMG= BC. +B08(PDD.  
0045550 12623761705462020507 61300455531366663750 27006040004241746000 62710000000337042175 J 4 = BEG XD \$K 4/W 5 76 C4DQ  
0045554 04000447416100046000 51270000225235000022 26642264530745045560 03170417770754041777 D D\*6 D (W R)2 RV R \$GD CDD G=DD  
0045560 54110637500400042056 13666270060337042175 03170417770321041777 04000447416100046000 =IF4/D DP,K FC4DQ CDD CDD D D\*6 D  
0045564 521300000502054413515 52130000511555046000 03150441100331041776 62610000000460041776 )K /P=62M)K (M D CMD6HCYDD D DD  
0045570 04610451764360136013 62610000020663045176 54451126612270454241 53700107222044753701 D D( 8 K K BF D( =+IV R +76\$ AGRP9 4A  
0045574 54610137770324041776 51400417675313113441 21422134420314041776 36131531107160000003 J -HD DD .G D DQG -2 = F4H14 D(7 D  
0045600 12616546100400041776 76570760700400042107 15724635005472063710 15332154422114437434 8SAKS4 2 = E QIJO 6 7M Q(X AFMOQ=7QL8 1  
0045610 55341532113611226363 04570456130560045613 16664546200400042112 50437777732776337664 1MZI3IR D.D,KE D,KCID,M F/8 W 0  
0045614 13222164445463154730 43652204222062211662 16664546200400042112 51200456226337022132 KRO 9= M\*X8 RDRP QN N +-PD DQJ(IPD,R 4BQZ  
0045620 03210423235127000016 27632546200400045601 30400460006100046000 63550430306265000000 CQDSS(W NW U-PD D,AX5D D DXX P  
0045624 06150425460664042546 07600425465040045653 56335202441063354331 53640362731130320330 FMDU-F DU-G DU-/5D,\$.0)B9H 28Y\$ C SIXZCX  
0045630 27603537413711354331 51620000161120310733 20230547713711254331 51220000041073354331 W 2464I28Y( NIPYGOPSE\* 4IU8Y(R DH 28Y  
0045634 03310425465412111202 11101366231130354771 37113543315467110733 11303102443711354331 CYDU=-JIJBIHK SIX2+ 4I28Y= IGOIYB94I28Y  
0045640 20130033104254620206 15330112025476112723 43663613004564654771 54331153301232373040 PK OH7= BFMOAJB= IWS 3K + \* =OISXJZ4X5  
0045644 10733216015477154331 03160456440400042150 76310434525120000106 20351127351133554750 H ZNA= MBYCND,9D DQ/ YD1)(P AFP2IWI0 /  
0045650 21522154547657036724 51720000170313042110 51620000120400042110 0000045655000045655 Q)Q=- .C T( CCKDQH( JD DQH D, D,  
0045654 00000450240000045024 00004154000576000000 0000000000000000001 00777700000000045655 D/T D/T 6= E A D,  
0045660 70070000000000000000 0000000000000000000 0000000201071000000 0000000000000000000 G PH  
0045664 00000000001760000576 00000000000000001232 0000000000000000000 00000012300000001232 D E JZ JX JZ  
0045670 00000000040000000277 0000000000000000000 0000000000000000471 01011500000005000577 D BW E D AAM E E  
0045674 00000000000000000577 73410214164130045701 03040445462140166600 03040445466130045727 E 68LL XD.ACDD+-Q5N CDD+- XD.SW  
0045700 04000454466100046000 15235430705443156160 21330214301533516454 63430200106323620302 D D+- D MS=X -8M QOBLXMO( = 8B H S CB  
0045704 63540377234347063370 63740137776647413666 06400457076777446000 20704155106677112665 =C S8\*FO A4 \*63 F5D.G 9 P 6 H IV  
0045710 15514206045411112775 05700457074766647777 63565633730704045705 76310430645043000005 M(7FD=IIV E D.G\* ,.D GDD.E YDX /8 E

0045714 13777043004571512773 20773045004571612773 15240207700302045723 66711552474346121214 K 8 + (M P X+ + W MTBG CBD.S M)\*R-JJL  
0045720 61300457212070443072 21214207731562015124 6177777760312045733 76310131117651066400 XD.QP 9X Q07G M AIT CJD.O YAYI (F  
0045724 61500442320307044543 20304541311261320751 54610547500400044232 21330613004573215335 /D7ZCGD+8PX+6YJ ZG(- E+ /D 07ZQOFK + Q&Z  
0045730 43461632364307213777 66710040004573546000 20744547500400044232 21102624600006053116 8-NZ38GQ4 5 + = P + /D 07ZQHVT FEYN  
0045734 22641032604575515124 77362151142030263410 15114733311561063510 05700457400545045752 R HZ + ((T 3Q(LPXV1HMI\*OYM F2HE D.5E+D.)  
0045740 76150625600007020602 63411211025311622551 63560206011155363565 75612221511166521160 MFU GBFB 6JIBSI UC ,BFAI 32 RQ(I I  
0045744 03260457550331045736 05700457515013000003 77562201602050215114 37535473113761563430 CVD. CYD.3E D.(/K C ,RA P/Q(L4% - 14 ,IX  
0045750 03260457550541045755 02330000006100046000 50130000052015246000 03210457405013000001 CVD. E6D. BO D /K EPMT QCD.5/K A  
0045754 20102033104574046000 76310127370233000000 00043132000000000436 00000000000000000001 PPHPH+ D YAW4BO DYZ D3 A  
0045760 00777700000000045756 70070000000000000000 00000000000000000000 0000000005401000000 D., G -A  
0045764 00000000000000000000 00000000000000000000 0000000016000005401 00000000000000000000 N -A  
0045770 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000 D+  
0045774 00000000000000000000 00000000000000000000 00000000000000000000 00044574000000000000 E G  
0046000 00000005000000000000 70070000000000000000 00000000000000000000 00000000000000000000 D.  
0046004 00045776000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0046010 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000  
0046014 00000000000000000000 00000000000000000000 00042001000000000000 00000000046016000001 DPA D N A  
0046020 00777700043553046016 70070000005422000002 00000000010066000000 0000000005421000034 D2SD N G =R B A =Q I  
0046024 0000000005424043570 00000000005421003000 00000000000000000000 0000000000000001734 =TD2 =Q X 01  
0046030 77777777777777774777 00000000004600000005 00000000000000000005 30000000000000000000 \* - E EX  
0046034 00000000000000000000 000000000000110333 20202555053020010313 00042001000000000000 ICOPPU EXPACK DPA  
0046040 0000000046037000001 00777700043553046037 70070000005432000002 00000000010756000000 D 4 A D2SD 4 G =Z B AG,  
0046044 0000000005431000034 00000000005434043570 00000000005431003400 00000000000000001200 =Y 1 =ID2 =Y 1 J  
0046050 00000000000000004153 777777777777774377 0000000000610000024 00000000000000000024 1 6% 8 T T  
0046054 34000000000000000000 00000000000000000000 000000000000111154 20202555053020010313 II=PPU EXPACK  
0046060 00001616001706000000 00000000000000000001 0077770000000046060 70070000000000000000 NN OF A D G  
0046064 00000000000000000000 00000000005441000000 00000000000000000000 00000000001647007700 =6 N+  
0046070 00000000000000000000 0000000000000006103 00000000000033136265 77777777777770000000 C OK  
0046074 46500000000000000000 46700000000000000000 00000000003000524265 00010060551411006103 -/ - X )7 A LI C  
0046100 20202555053020010313 00001604001736000000 00000000000000000001 00777700000000046101 PPU EXPACK ND 03 A D A  
0046104 70070000000000000000 00000000000000000000 00000000005451000000 00000000000000000000 G =(  
0046110 00000000001644007700 00000000000000000000 0000000000000004217 00000000000032415526 N9 70 Z6 V  
0046114 7777777777777000000 46500000000000000000 46700000000000000000 46570041710066004217 -/ - -. 6 70  
0046120 46770041710066004217 20202555053020010313 00042001000000000000 00000000046122000001 - 6 70PPU EXPACK DPA D R A  
0046124 00777700000050046122 70070000042273041777 00000000004426776044 0000000005461004400 /D R G DR DD 9V 9 = 9  
0046130 0000000000050043414 00000000005461004400 00000000000000000000 0000000000000000646 /DIL = 9 F-  
0046134 0000000000000005460 40020000000000000000 00000000000000000000 004400000000000000000 = 5B 9  
0046140 00000000000000000000 00400000000000000000 20202555053020010313 00043224000000000100 00043224000000000100 PPU EXPACK DZT A  
0046144 0000000046143000001 00777700005470046143 70070000044640041777 0000000002022777727 D 8 A = D 8 G D-500 PR W  
0046150 0000000005471776001 0000000004733776060 0000000000077005000 00000020000000000000 = A D\*0 / P  
0046154 0000000000000003250 7777777777777777727 00000020000000000000 000101000000000000000 - Z/ W P AA  
0046160 00460000000000000000 00000200000000000000 00000000000000000000 20202555053020010313 P PPU EXPACK  
0046164 00042001000000000000 0000000046164000001 0077770000050046164 70070000042273041777 DPA D A /D G DR DD  
0046170 0000000005226776044 0000000005501776001 0000000000050043414 0000000005501005200 )V 9 A A /DIL A )  
0046174 00000000000000000000 0000000000000001644 0000000000000005500 00020000000000000000 9 N9 B  
0046200 00000000000000000000 00440000000000000000 00000000000000000000 00400000000000000000 9 5  
0046204 20202555053020010313 00042001000000000000 00000000046205000001 00777700043553046205 PPU EXPACK DPA D E A D2SD E  
0046210 70070000005512000002 00000000010066000000 00000000005511000034 0000000005514043570 G J B A I 1 LD2  
0046214 0000000005511004600 0000000000000001200 0000000000000004154 00000000000000003177 I - J 6- Y  
0046220 0000000005300000035 00000000000000000035 46000000000000000000 00000000000000000000 \$ 2 2-  
0046224 0000000000000110703 20202555053020010313 00042001000000000000 00000000046226000001 ICOPPU EXPACK DPA D V A  
0046230 00777700000050046226 70070000042273041777 0000000004426776044 0000000005521004400 /D V G DR DD 9V 9 Q 9  
0046234 0000000000050043414 0000000005521004400 00000000000000000000 00000000000000000717 /DIL Q 9 GU  
0046240 0000000000000005520 40010000000000000000 00000000000000000000 00440000000000000000 P5A 9  
0046244 00000000000000000000 00400000000000000000 20202555053020010313 0003576503217500000 5 PPU EXPACK C. CO  
0046250 0000000000000000001 0077770000000046247 70070000000000000000 00000000000000000000 A D + G  
0046254 000000000531000000 00000000000000000000 00000000036422036427 00006550255521131736 Y C RC W /U QK03

0046260 000000000000000036416 17315054000000000000 00000000000000000001 17174000000000000000 C NOY/= A005  
0046264 17245055003615055611 17326476505462761160 000000000000000003264 20202555053020010313 OT/ 3ME,IOZ /- I Z PPU EXPACK  
0046270 00042001000000000000 00000000046270000001 0077770000007046270 70070000044653041777 DPA D A GO G D-300  
0046274 00000000005226000000 0000000005541041777 000000000050041776 0000000005237004600 IV 600 /DO 14 -  
0046300 00000000000000004600 0000000000000001615 0000000000000072462 00000040000000000000 - NM GT 5  
0046304 77777700000000000000 00000000000000003456 41000610110061070100 21303634301271523042 1,6 FHI GA QX31XJ 1X7  
0046310 20202555053020010313 00043224000000001006 00000000046311000001 00777700041757046311 PPU EXPACK DZT HF D I A DO.D I  
0046314 70070000000060000003 00000000010066000000 00000000076001041777 0000000000620041776 G C A G ADD FP00  
0046320 00000000041757000600 00004000000000000000 0000000000000043224 00000000000000000000 DD. F 5 DZT  
0046324 00000000000000000000 00020000000021660155 00000000000000000000 20020000000021660155 B Q A PB Q A  
0046330 00000000000000000000 20202555053020010313 00042001000000000000 00000000046332000001 PPU EXPACK DPA D Z A  
0046334 0077770004633046332 700700000000060432600 0000000000061776000 000000000432601041777 D OD Z G 8V 8VADD  
0046340 0000000000420041776 0000000005237000400 00004000000000000000 0000000000000020052 DP00 14 D 5 B )  
0046344 00000000000000432600 00000000000000002400 0000000000011660714 00000000000000000000 8V T I GL  
0046350 20000000000011660714 21303634301271523042 20202555053020010313 00042001000000000000 P I GLQX31XJ 1X7PPU EXPACK DPA  
0046354 00000000046350000001 0077770004635046353 7007000000050432600 000000000557202015 D \$ A D =D \$ G /8V GPM  
0046360 00000000432601072126 0000000005542042050 0000000005571004600 0000000000000004600 8VAGQV 7DP/ - -  
0046364 0000000000000020053 0000000000000432600 00010000000000000000 77000000000000000000 B \$ 8V A  
0046370 00000000000000000000 21012023000100000145 00005540000000000000 20202555053020010313 QAPS A A+ 5 PPU EXPACK  
0046374 00042001000000000000 00000000046374000001 00777700043546046374 70070000000560277772 DPA D A D2-D G ,B  
0046400 00000000014236000004 0000000005601000034 0000000005604043554 0000000005601002400 A73 D ,A 1 ,DD2= ,A T  
0046404 00000000000000000401 00000000000000000404 0000000000000120000 00000000042700000021 DA DD J DW Q  
0046410 00000000000000000021 24000000000000000000 00000000000000000000 0000000000000040127 QT DAW  
0046414 20202555053020010313 00001542005313000000 00000000000000000001 00777700000000046415 PPU EXPACK M7 \$K A D M  
0046420 70070000000000000000 00000000000000000000 0000000005611000000 00000000000000000000 G ,I  
0046424 00000000001514777473 14732340254565307474 03354117004766472126 00000000000000000002 ML L SSU+ X C260 \* +QV B  
0046430 00000000000000000001 000000000000000001727 00000000000000777777 34317027527444546165 A DW (Y W) 9=  
0046434 30742710522456054037 20202555053020010313 00042001000000000000 X MH)T,E54PPU EXPACK DPA D 3 A  
0046440 00777700041757046436 70070000000060000003 0000000010066776000 0000000432601041777 DD.D 3 G C A 8VADD  
0046444 00000000000620043570 00000000005237000600 00004000000000000000 0000000000000005605 FP02 14 F 5 ,E  
0046450 00000365040000000000 00000000000000002400 00020000000021660155 0000000000000005601 C D T B Q A ,A  
0046454 20020000000021660155 21303634301271523042 20202555053020010313 00042001000000000000 PB Q A QX31XJ 1X7PPU EXPACK DPA  
0046460 00000000046457000001 00777700005630046457 70070000044652041777 0000000000061777743 D . A ,XD . G D-100 8  
0046464 00000000005631000022 000000000447733044152 0000000000077002400 00000000002000000000 ,Y R D\*006) T P  
0046470 00000000000000016640 7777777777777777743 00000000002000000000 0000000000000002400 A 5 B P P T  
0046474 00600001000000000000 00000000002000000000 00000000000000000000 03111700107300000340 A P CIO H C5  
0046500 01002255500014151006 06200200154116066010 30251006351210633511 10633510020015411606 A R / LMHFFPB M6NF HXUHF2JH ZIH 2HB M6NF  
0046504 62103045120204365000 11001601050630201277 34050200150350001314 22007477230003005400 HX+JBD3/ I NAEFXPJ 1EB MC/ KLR S C =  
0046510 13141402342420000000 05043044101506031404 35240100130030241214 10750437340130442200 KLLBITP EDX9MHFCLD2TA K XTJLH D41AX9R  
0046514 01741140050520006740 54001214304423000640 04122300060004073044 22006000530114053444 A ISEEP 5= JLX9S F5DJS F DGX9R \$ALE19  
0046520 30431374530114103443 30450526010013001404 34245000141510060616 02001541160660301400 X8K \$ALH18X+EVA K LDIT/ LMHFFNB M6NF XL  
0046524 34303431307134320200 15411606623030451377 04031007062014003410 34113412306012373413 1X1YX 1ZB M6NF XX+K DCHGFPL IH111JX J41K  
0046530 30613414020015411602 62101601621050001405 05073020127734053021 02001526362412772300 X 1LB M6NB HNA H/ LEEGXPJ 1EXQB MV3TJ S  
0046534 00003424305704026220 14013544305205053044 22001777344402001541 62401401341130251075 ITX.DB PLA29XIEEX9R 0 19B M6 5LAI1XUH  
0046540 05031404030610760503 14020302140055001377 10635500137630776311 13731400341214600200 ECLDCFH ECLBCBL K H K X IK L 1JL B  
0046544 03360100011414440200 03360372002000525024 00000000001000760022 0000000000100200030 C3A ALL9B C3C P 1/T H R A P X  
0046550 10300000007400740000 00005400142420350313 02000476000030452300 10000505020034131401 HX = LTP2CKB D X+S H EEB IKLA  
0046554 03113044101307031004 03021005120111015400 32332000323434152033 04060200047614003457 CIX9HKGCHDCBHEJAIA= ZOP Z1IMP0DFB D L I.  
0046560 01001231302204053021 34221401342350001501 54001336140155001377 01001231031701001502 A JYXRDEXQIRLA15/ MA= K3LA K A JYCOA MB  
0046564 30053411146234121414 34131457020003360364 01001516307560103011 124000371010015253412 XE1IL 1JLLIKL.B C3C A MNX HXIJ5C A MULJ  
0046570 30053411140334131457 02000336036501001540 30531006315510063154 03700200056601001552 XE1ILC1KL.B C3C A M5X\$HFY HFY=C B E A M)  
0046574 30766010301004701477 17010576037001001564 50000103341030776204 61701600140301001416 X HXHD L OAE C A M / AC1HX D N LCA LN  
0046600 00000000004042040044 43000050640000546400 00605700007057000200 00000204000242100000 57D 98 / . B BD 87H  
0046604 42140002422400024230 0000423400002400104 02500000226000002264 0002060000006404204 7L B7T B7X 71 8B5ADB/ R R BF F57D  
0046610 00005523207124240310 15240311162403110000 17055523214024240310 15240311162403110000 SP TICHMTCINTCI DE SQ5TICHMTCINTCI  
0046614 21525523202315240311 16240311000020505000 14151006061114666010 30713412020015411606 Q) SPSMTCINTCI P// LMHFFIL HX 1JB M6NF  
0046620 62101414342401001165 14003457200020003420 30451377041130452200 37772300050004030100 HLLITA I L 1.P P 1PX+K DIX+R 4 S E DCA

RA = E, 35700, 76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.41. PAGE 33  
000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0046624 12310200221605041406 01001416304434302000 32343415203302060200 04760306140034571410 JYB RNEDLFA LNX91XP Z11MPOBFB D CFL 1.LH  
0046630 01001416300405152000 32343415203304060200 04761400345714160100 14163030344420000307 A LNXDEMP Z11MPODFB D L 1.LNA LNX919P CG  
0046634 54002056305717016010 01002563304513732300 64000503010014622300 62002200377705072035 = P-X.OA HA U X+K S ECA L S R 4 EGP2  
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0046644 33211400342401001165 30220413303504052035 03060200047620350302 02000476010017051401 00L 1TA I XRDXX2DEP2CFB D P2CBB D A UELA  
0046650 34471063344601002113 30461014334704662377 77770567304510060605 20006400344503603045 1\*H 1-A QKX-HLO\*D S E X+HFFEP 1+C X+  
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0046670 04151745066136011143 05633043107117450753 03514001054736011143 057330431071054113040 DMO+F 3A18E X8H 0+G+C(5AE\*3A18E X8H E6X5  
0046674 03401400345734351430 34263053101434471063 12373453020015416040 16016030160360633052 C5L 1.12LX1VX\$HL1\*H J41\$B M6 SNA XNC X)  
0046700 10063347344710633446 30331014127734523033 12373460303434613052 17020605303122003777 HF0\*1\*H 1-XOHLJ 1)X0J41 X11 X)0BFXYR 4  
0046704 03023031540014153053 10143354170207061606 31521071325607041400 01001416200016003425 CBXY= LMX\$HLO=OBGFNFY)H Z,GDL A LNP N IU  
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0046714 00013445137704133043 12741174050530451314 11103445020021143044 12025500132130435400 A1K DKX8J I EEX+KLIH1+B QLX9JB KQXB=  
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0046724 07743444140460201400 34223063322007133063 32210610306360101601 34573020342203221402 G 19LD PL 1RX ZPGKX ZQFHX HNA1.XP1RCRLB  
0046730 35206010332105153044 23000110050720350312 02000476010025630100 17253010045533400553 2P HQEMX9S AHEGP2CJB D A U A OUXHD 05E\$  
0046734 30143351123705473011 33410544301233420541 30133343137705613020 33220403362034573077 XLOFJ4E\*X106E9XJ07E6XK08K E XPOROC3P1.X  
0046740 62103057341414003413 14560200033630110406 14003457141001001416 30576020170160103024 HX.1LL 1KL,B C3XIDFL 1.LHA LNX. POA HXT  
0046744 22007700230000005400 13143014107111125400 11003013127755003171 12040430304513770511 R S = KLXLH 1J= I XKJ Y JDDXX+K EI  
0046750 30742100010160013001 10170613031510711164 04121174041011101257 11570404140501001416 X Q AA AXAHDFKCMH I DJI DTHJ,I.DOLEA LN  
0046754 30201277050334300313 51000515600130042200 37773430300110060607 40251007063214230100 XPJ EC1XCKI EM AXDR 4 1XXAHFFG5UHGFZLSA  
0046760 14163030230024240403 20004000353054003136 30312200377734315000 14152200377754001415 LNXXS TTDCP 5 2X= Y3XYR 4 1Y/ LMR 4 = LM  
0046764 40251006074730451202 04132000166354003132 30131201042514150100 14163045137704171071 5UHFG\*X+JBDKP N = YZXXKJADULMA LNX+K DDH  
0046770 12571157040530452300 10000503010014252000 16755400313230520503 01003047303023005524 J.I.DEX+S H ECA LUP N = YZXIEGA X\*XS T  
0046774 04072300030004030100 30221401340130442200 07742300011005052000 02005500301130221067 DGS C DCA XRLA1AX9R G S AHEEP B XIXRH  
0047000 110104007110204041107 05151420164021004002 34303001100635303024 10641002353030571701 IADGIBDDIGEMLPN5Q 5B1XXAHF2XTH HB2XX.OA  
0047004 34630200154116016230 16036263500014151006 06110200154116066030 30333134040236350200 1 B M6NA XNC / LMHFFIB M6NF XXOY1DB32B  
0047010 15411602600116016010 30143465306612373466 10143367170110713256 06373013123734643266 M6NB ANA HXL1 X J41 HLO UAH Z,F4XKJ41 Z  
0047014 10143165326706273064 32601014316532610721 30053463300412373462 32661014316332670607 HLY Z FMX Z HLY Z GXEI XDJ41 Z HLY Z FG  
0047020 30623260101431633261 06041402010014162000 16513403400323001523 22003777040714023503 X Z HLY Z FDLBA LNP N(1C5CS MSR 4 DGLB2C  
0047024 40030567010032145000 31362300152305353052 17020607500014152200 37775400141550001100 SCE A ZL/ Y3S MSE2XIOBFG/ LMR = LM/ I  
0047030 05211400123004163020 12773405302134060200 21630404140401001416 54001405400310060606 EQL JXDNXPJ 1EXQ1FB Q DDLEA LN= LE5CHFFF  
0047034 50030001340101010000 50030001233500000200 04760000000000000000 35030100322700000062 /C A1AAA /C AS2 B D 2CA ZW  
0047040 00000000200033473401 40013344220007740410 14023501400105701414 01001416200016003425 P 0\*1A5A09R G DHLB2A5AE LLA LNP N IU  
0047044 40014425500100015425 00012200377723000500 05153044124010732300 71025400256520000400 5A9U/A A=U AR 4 S E EMX9J5H S B = U P D  
0047050 54002567031023000300 05052000710054002565 01002373010033205000 31362200377723001605 = U CHS C EEP = U A S A OP/ Y3R 4 S NE  
0047054 05670200154116046010 14013412301312773413 02001541160462100351 01000500010405002110 E B M6ND HLA1JXKJ 1KB M6ND HC(A E ADE QH  
0047060 45000114100001200500 01300600014045000144 45000150460001604500 45000150460001604500 + ALH APE AXF A5+ A9+ A/- A + A - A - C  
0047064 05000330060003404500 03504600037046000000 01003412500031362300 15230571305717016010 E CXF C5+ C/- C - A 1J/ Y3S MSE X.OA H  
0047070 30131201056330141071 34013022040750013547 04533401010100000100 12311400340734233422 XKJAE XLH 1AXRDG/A2\*D\$1AAA A JYL 1G1S1R  
0047074 30141340341430571701 62103020127734113021 22003777341230073413 14430200033630135400 XLK51LX.OA HXPJ 1IXQR 4 1JXG1L8B C3XK=  
0047100 14033014540014042000 14005400135701001231 30213406342230131230 04030100341230201277 E LDXL= LDP L = K.A JYXQIFIRXKXDCA 1JXPJ  
0047104 34051401342334070200 05130200356706030200 15650200056650001314 22007477230003005400 1ELA1S1GB EKB 2 FCB M B E / KLR S C =  
0047110 13140100345634440000 34443444000000000000 00000000350635060000 00003444344401003566 KLA 1,19 1919 2F2F 1919A 2  
0047114 30570404170161736766 14276170700030065400 67753007540067761400 54006765540067642000 X.ODDA LW XF= XG= L = = P  
0047120 67640200056301003566 35030200160000000121 00000000140034240200 22321071050730441074 B E A 2 ZCB N AQ L 1TB RZH EGX9H  
0047124 11020403010011651400 34353425304410741277 11010405203503030200 04763020127734053022 IBDCS I L 121UX9H J IADEP2CCB D XPJ 1EXR  
0047130 34063023340702001517 0512560022240200232 10701776060355002145 14003430343134323062 1FXS1GB MOEJ, RTB RZH O FC Q+L 1X1Y1ZX  
0047134 34333063343402000513 301010070611514046010 3610601030113210506 02000513144055000110 10X 1132 EKXHHGFMLD H3H HXIQEFB EKL5 AH  
0047140 14000200033602002252 01002000020015533006 34223007342330241214 32350603140034243025 L B C3B R)A P B M\$XF1RXG1SXTJL22FCL 1TXU  
0047144 10025500137710635500 13760100110214143424 50006765306104173407 10060605107134061400 HB K H K A IRL11/ 1ADQ1GHFEEH 1FL  
0047150 340714103424010001774 020022520306317250100 1722301043630200000000 60103013323310143114 1GLHITA D B R)CF4UA OR4CFXP HXKZOHLYL  
0047154 32341701060321000000 21777677075510710306 17011915340310053203 34033625325606412000 210AFCC Q G H CFOAHMHCHEZC1C3UZ,F6P  
0047160 67640200056006030200 15651056341650006764 05030100174734071006 06051071340614003407 B E FCB M H,IN/ ECA 0\*1GHFFEH 1FL 1G  
0047164 30552300000004030200 22525000676534010524 01002225310134025400 67651400540267660306 X S DCB R) / 1AETA RUYA1B= L =B CF

0047170 20000500540067651400 540067641402350113134 1006313310142177777 07030100215232012100 P E = L = LB2AYHFYOHLO GCA Q1ZAO  
0047174 00006301676621777777 32163434106334335700 22240506307662261477 54002224010022123402 A Q ZN11H 10. RTEFX VL = RTA RJ18  
0047200 30013202341010023110 21006766540022033033 10143134210000006310 676630020504210000000 XAZB1HHBYHQ = RCXOHL1Q H XBEDQ  
0047204 03072000000063026766 21777777321634341063 34332000000062303001 32163371050534240100 CGP B Q ZN11H 10P XXAZNO EEITA  
0047210 17760000140434240100 17740100223130643262 10143165326317010667 10063166326010143167 0 LD1TA 0 A RYX Z HLY Z OAF HFY Z HLY  
0047214 32610360010022513055 53002061047230663260 10143167326154002013 10632300210054002012 Z C A RIX \$ P D X Z HLY Z = PKH S Q = PJ  
0047220 20002177336654002120 15003367540021213061 54002176306023002100 54002175305554002061 P Q O = QPM O = QOX = Q X S Q = Q X = P  
0047224 10065400217023007777 54002133540022051063 23002100540021671177 54002132540022043060 HF= Q S = QQ= REH S Q = O I = QZ= RDX  
0047230 10063155100631615400 22011063230020005400 220002000154116025400 22135400200110632300 HFY HFY = RAH S P = R B M6NB= RK= PAH S  
0047234 20005400221254002000 56002001106355002000 56002001106355002000 30661006315510663167 54002127106323002100 P = RJ= P, PAH P X HFY HFY = QWH S Q  
0047240 54002126010022511013 07121011000000000000 35030300242200000175 01002427200024523401 = QVA R(HKGJHI 2CC TR A A TWP T)IA  
0047244 14023501400105051414 34240100110233441303 05655001000134010101 00000001247300202526 LB2A5AEELLITA IBO9KCE /A A1AAA AT PUV  
0047250 02002663021027670230 27630250251006002501 00020002177454002223 01002427140054001766 B V BHW BXW B/UHF UA P D = RSA TNL = O  
0047254 54001767141403021410 34352000200054002230 307154000221520001776 54002216035120002534 = O LLCBLH12P P = RXX = RMP O = RNC(P UI  
0047260 54001775010024273024 12140407121005030100 26370100172220002615 54002223540022302000 = O A TWX1JLDGJHECA V4A ORP VN= RS= RXP  
0047264 17225400177514043424 34353625200067640200 354354000261604243033 34623034346302002232 DR= O LD1T123UP B 28= VNDTXOI X11 B RZ  
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RA = E,35700,76000. EXPRESS 11 DSDI -- V2.0 79/10/30. 15.19.42. PAGE 39  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

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0051564 34013074166360103001 04053014100607163001 34143074166362103001 04051454020003363001 IAX N HXADEXLHFGNAX1LX N HXADEL=B C3XA  
0051570 01003702140034143074 16636210150003670100 37703074162560103014 04114013421214003411 A 48L ILX N HM C A 4 X NU HXLDI1AIJL II  
0051574 14210200033603633056 04571400341234111421 02000336036714003414 30741662621015000100 LQB C3C X,D,L 1J1ILQB C3C L ILX N HM A  
0051600 40263156341133560410 14005400001214210200 03363011340130741662 60103001040530141006 5VY,1F0,DHL = JLQB C3XIAX N HXADEXLHF  
0051604 07443001341430741662 62103001040414540200 03363001010040263457 01004072140460101402 G9XAILX N HXADDL=B C3XAA 5V1.A 5 LD HL8  
0051610 35106032331104663032 04713320056730363351 1237056330213330560 322333405553023335 02004241043717530437 ZH ZOID XZD OPE X301J4E XQOQE XROIE XS02  
0051614 13770551361034570342 01004130140034032000 44253401200045033402 02004241043717530437 K E(3H1.C7A 6XL 1CP 9UIAP +C18B 760404D4  
0051620 17020471162207331712 06273602020042410414 17450772170504051703 04671702050444020100 OBD NRGOOJFW38B 76DLO+G OEUDEOCD QBED98A  
0051624 41303602020042411155 0474110604034020304 36020200424111550474 11020455110504531101 6X38B 76I D IFDC5BCD38B 76I D IBQ IED5IA  
0051630 05653602020042411153 05733602020042411153 04660350107103034001 12774402010042403003 E 38B 76I8E 38B 76I8D C/H CC5AJ 98A 75XC  
0051634 11013403046736012300 45030403400105574402 14010100413055111414 05070114550317162422 IAIGD 3AS +CDC5AE.9BLAA 6X ILLEGAL CONTR  
0051640 17145503012204570000 5506145502053171604 55150614570000005506 14552417175523101722 1552417175523101722 QL CARD. FL BEYOND MFL. FL TOO SHOR  
0051644 24550617225502221707 22011557000055241717 55150116315501220725 15051624235700005523 T FOR PROGRAM. TOO MANY ARGUMENTS. S  
0051650 05032522055515051517 22315655042515205504 11230102140504570000 55061722150124550522 ECURE MEMORY, DUMP DISABLED. FORMAT ER  
0051654 22172255171655031716 24221714550301220457 00005511152022172005 22552601141104012411 RDR ON CONTROL CARD. IMPROPER VALIDATI  
0051660 1716570000055102411 15055516172455012601 11140102140557000000 00000100442730741620 ON. HTIME NOT AVAILABLE. A 9WX NP  
0051664 602516016001016016020 16456032160360401607 60603035124054001164 30215400321421770014 UNA HNA PN+ ZNC 5NG X2J5= I XQ= ZLQ L  
0051670 07052000031254002031 14003465345734463437 30131277344517050707 14003452203403120100 GEP CJ= PYL I 1.1-14XKJ 1+DEGGL 1PICJA  
0051674 13033050230024030403 0100455356003222000 144545400127620000365 54001265305211050403 KCX/S TCDC4 +, ZRP L9= J P C = X J1EDC  
0051700 01004702020022753053 127710141335410143412 107710177351300016210 14410200033601001274 A \*8B R X5J HLO=HL1JH K ZXA HL6B C3A J  
0051704 30741674603230351377 31340403560032223045 11030526144460323032 04221007162060200200 X N ZX2K Y1DC, ZRX+ICEVL9 ZXZDRHGNP PB  
0051710 60015400303602006327 16075400300410632300 20005400300330741670 60321621602530351377 A= X3B WNG= XDH S P = XCX N ZNQ UX2K  
0051714 34351400343634333430 34313032220047773432 30741670623216216225 14666025307421000105 12L 13101XLYXR \* IZX N ZNQ UL UX Q AE

0051720 60323032137734253074 21000105622530741671 60323033041660253027 04133026342714013430 ZKZK IUX Q AE UX N ZXODN UXWDXVHLAIK  
0051724 30311377110534313033 62250332302604030100 12743060101507063052 11040407110104162000 XYK IE1YXO UCZXVOCA J X HMGFK IIDDGIADNP  
0051730 50420100253430531006 06052077377735530303 56002206305204201102 05143060101506110200 /7A U1X\$HFFEP 4 2\$CC, RFX)DPIBELX HMFIB  
0051734 30402036010602000476 01005476010044273074 21000102602560203026 10200653140054003155 X5P3AFB D A = A 9WX Q AB U PVXHPF\$L = Y  
0051740 20000314540031573025 11770411203601060200 04760100614201004427 20000312540020313074 P CL= Y.XUI DIP3AFB D A 7A 9WP CJ= PYX  
0051744 21000101605030511377 34513074107030512000 15545400153130502300 24030505200014445400 Q AA /X(K 1X H 2IP M=- MYX/S TCEEP L9=  
0051750 12760100442755240323 55111414050701145522 05212505232457000000 30433344052630411006 J A 9W TCS ILLEGAL REQUEST. X809EVX6HF  
0051754 06230100506430741673 601030100100706702077 57773510307416736210 55022506060522550122 20005106540022730200 FSA / X N HXHHGF P . 2HX N HP (F= R B  
0051760 60305000442604430200 41310570020021123020 23000530056230212300 23000530056230212300 X/ 9VD8B 6YE B QJXPS EXE XQS ITE,XRE=P  
0051764 25325400227301001221 30131237100631551006 31140100514607123414 10633413101433143100 UZ= R A JQXKJ4HFY HFYLA (-GJLH IKHL0LYA  
0051770 10713256075620005171 34460200227501001234 55022506060522550122 07575505222217225700 H Z,G,P ( 1-B R A J1 BUFFER ARG. ERROR.  
0051774 00000100520414023411 14013412307763115263 14600200033630111201 04613074165060103010 A )DLBILAIJX I) L B C3XIJAD X N/ HXH  
0052000 10120717140234111401 34123077631152751460 02000336200053070100 25342000400034413044 HJGOLBILAIJX I) L B C3P \$GA U1P 5 16X9  
0052004 34433074167262402000 53130100253400140076 3014000000000200052 50240000000100100074 18X N :5P \$KA UL L XL P )/T A H  
0052010 30140000001000120050 67010000000055111611 24110114550317162422 17145523240124051505 XL H J / A INITIAL CONTROL STATEM  
0052014 16245514111511245700 00000200603030742100 01016170245050002450 12403437305310710503 NT LIMIT. B XX Q AA T// T/J514X\$H EC  
0052020 02005205303704052000 54345400227302004131 04055000245010140633 02002112060620004700 B JEX4DEP -L= R B 6YDE/ T/HLFOB QJFFP +  
0052024 34200100545630531071 05030100544230570536 02004073043314403523 30531071110204253037 1PA =,X\$H ECA -7X.E3B 5 D0L52SX\$H 1BDUX\*  
0052030 05232000442634011400 44013601230045030572 14666020032330231377 34231400340203153077 ESP 9VIAL 9A3AS +CE L PCSXSX ISL 18CMX  
0052034 62200200217130776020 30023424020034045500 54733055100616646220 14103401305312371014 PB Q X PXBITB ID = X HFN PLHIAXI\$J4HL  
0052040 33540200514763014426 30531071051430741672 6240500245010160705 20004426020004420100 O=B (+ A9VX\$H ELX N 5/ T/HNGEP 9VB D7A  
0052044 12740200506502006030 01005520141034013074 16746010301313771006 33121006040402005147 J B / B XA PLHIAX N HXXK HFOJHFDDB (+  
0052050 03113052110205513054 10170646307416306101 44261441020003361400 54004476200044253401 CIX)IBE(X=HOF-X NX A9V6L6B C3L = 9 P 9UIA  
0052054 36014001057514004401 36012300450305720100 55200100557650001164 05733022230005000567 3A5AE L 9A3AS +CE A PA / I E XRS E E  
0052060 30212300111505631500 34013601500157675400 57440453332005705001 57743401010100001401 XQS IME M 1A3A/A. = .9D\$OPE /A. 1AAA LA  
0052064 34113071031314016010 30132200030004105600 57111407341134121451 03302000441201001232 1IX CKLA HXKR C DH, .ILGI11JL(CXP 9JA JZ  
0052070 14003411341220000106 03173602200055255400 57542000162454005755 14013411341214503174 L 1I1JP AFCO38P U= .-P NT= . LA111JL/Y  
0052074 60253077622514500200 03361401340130776010 30100517300111020517 30776370574717016170 UX UL/B C3LA1AX HXHEXAI8E0X .\*00A  
0052100 5754200033354005752 03043077610157472000 57440100123255551115 0555333333333335733 .-P 00=. )CDX A.\*P .9A JZ IME 00000.0  
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0052110 56650100600030111701 12071011342020774444 35123012220007003520 30121207100335203013 , A XIDA JGHI1PP 992JXR J 2\*BXJ JGHC2PXK  
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0052120 60463602140535012300 45030405500177760555 03263001340317053401 50010004041730023344 -3BLE2AS +CDE/A E CVXA1CDE1A/A DDOXB09  
0052124 04313074310260103602 30140406140535032300 45460562364210633541 14004401360123004503 DYX YB H3BLDFLE2CS +-E 37H 26L 9A3AS +C  
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0052134 30010407307431446303 442630033544030741673 60253025127734053027 05030100625634063031 XADGX Y9 C9VXC29X N UXUJ IEXWECA ,1FXY  
0052140 12771014310110063431 30303407020005131410 54000105200067760200 62720200056630311021 J HLYAHF1YXX1GB EKLH= AEP B B E XYHQ  
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0052154 62401601622501006031 30010100627134030200 05605003000134014003 05053401500300010462 5NA UA YXAA ICB E /C A1A5CEE1A/C AD  
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0052170 01004642037501004645 30570403010047313061 31620406020062470403 02005504051014046010 A -7C A -+X.DCA \*YX Y DFB \*DCB DEHLD H  
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0052210 10713256064130301006 31551006313163017000 30013531106335305000 67771071041320006776 H Z,F6XXHFY HFY A XA2YH 2X/ H DKP  
0052214 02006373040614015500 50560100475102000566 30273424302634233057 04133006343430073435 B DFLA /,A \*(B E XW1TXV15X.DKXF11XG12  
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0052224 00013074160360103010 13303410307416036210 50005201124005343030 54002067303154002070 AX NC HXHKX1HX N/ JA5ELXX= P XY= P  
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0052630 14053401307416606010 17366170516716446170 51711605617351761601 60253012137710063311 LEIAX N HQ3 ( N9 ( NE ( NA UXJK HFOI  
0052634 10065400516610635400 51653025101706143030 12373131041037013074 21000150610151713601 HF= ( H = ( XUHOFLXXJ4YYDH4X Q A/ A( 3A  
0052640 50002453123710063155 10065100245461705157 17016301516450005177 12075500613630741622 / T\$J4HFY HF( T= (.OA A( / JG 3X NR  
0052644 60251645637061301605 63706135637061236370 61233026217700150603 02005703010057747777 UN+ XNE 2 S SXVQ MFCB .CA .  
0052650 7177777777777772331 23240515303777777777 7770777777777772000 04635400137120000100 SYSTEMX4 P D = K P A  
0052654 54001625200020565400 16263021137734211400 34223423010011520000 14042200107300000065 = NUP P,= NVXQK IQL IRISA I) LDR H  
0052660 14003437345720360105 02000476144055005201 30531014335407351601 10713256063130531006 10713254063130531071 10713254063130531071  
0052664 31551006315460201601 60103013123755004731 54005532123710143314 54005732540055331071 54004732540055331071 Y HFY= PNA HXKJ4 \*Y= Z J4HLOL= \*Z= OH  
0052670 32560705200014430100 14133013137710063312 04361006160154001412 23777777540047635400 Z,GEP LBA LKXXX HFOJD3HFNA= LJS = \* =  
0052674 624223777777710713256 04020647315610715400 14112300217754004762 54006241307154005545 54006241307154005545 H Z,DBF\*Y,H = LIS Q = \* = 6X = +  
0052700 30103466301112015500 13113074162160603063 12773445301110130636 10741203041116011006 10741203041116011006 XHI XIJA KIX NQ X J 1+XHKF3H JCDINAHF  
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0052720 30301071343030231014 31243230101432271006 3514106335130746025 30133425301434263074 XXH IXXSHLYTZXHLZWHF2LH 2KX UXXLUXLIVX  
0052724 62250314341014003411 34123053100631551006 31541601621014440200 03360100011400000000 UCL1HL I1JX\$HFY HFY=NA HL9B C3A AL  
0052730 00000000000034043057 17100707303613771105 34363057623220001472 02000442200300003304 IDX.OHGGX3K IE13X. ZP L B D7PC OD  
0052734 02000442143602000336 01000114550122075755 05222217225700005517 26052214013155161724 B D7L3B C3A AL ARG. ERROR. OVERLAY NOT  
0052740 55061725160455111655 14110222012231570000 5514042255052221722 57000000000000000000 FOUND IN LIBRARY. LDR ERROR.  
0052744 14040400107300000425 02003365307421000106 61733364140034573440 14000200033630741620 LDD H DUB O X Q AF O L 1.15L B C3X NP  
0052750 60103011040301002550 02002024020012623040 05151400046602002476 0505141002001220357 HXIDCA U/B PTB J X5EML D B T EELHB QRC.  
0052754 02002336035402001352 30400413200034150200 21262000341534030200 27440507141002002122 B S3C=B KIX5DKP IMB RNP IM1CB W9EGLHB QR  
0052760 02002003033202001703 04670200266630213406 02003105076020003415 02002216200034153403 B PCCZB QCD B V XQ1FB YEG P IMB RNP IM1C  
0052764 02002713074602001604 04030100112236243057 04026220010011073035 10143136042510713256 B WKG-B NDDCA IR3TX.DB PA IGX2HLY30UH Z,  
0052770 07041403020021223035 10063155100631366040 36361063353530431377 36361400344401001261 GDLCB QRX2HFY HFY3 533H 22X8K 18L 19A J  
0052774 20003367340723003403 04054007107112770503 01001231340756001350 10762100336754001264 P O IGS ICDE5GH J ECA JY1G, K/H Q O = J  
0053000 50001272117154001272 30071777041516761001 34071406601030121014 31133107604001001254 / J I = J XGO DMN HAIGLF HXJHLYKYG 5A J=  
0053004 30742100011060405700 13351505550012675600 20360100125400000100 13510200323105030100 X Q AH 5. K2ME J, P3A J= A K1B ZYECA  
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0053020 01001351340510466007 36053011101431126200 16016060302004553340 04061402351210633511 A K1ELF G3EXIHLYJ PNA XPD O5DFLB2HJ 2I  
0053024 03603041332105703042 3322056530433231377 05611466617034033037 54002375300510065400 C X60QE X7ORE X80SK E L 1CX4= 5 XEHF=  
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0053034 34450200334402003105 06030100142202000513 14405500011001001351 30213406140034633445 1+B 09B YEFCA LRB EKL5 AHA KIXQ1FL I 1+  
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0053044 31050603010014220200 05130100135101001603 30021605340314000433 50030004110004030100 YEFCAL LRB EKA KIA NCX8NE1CL DO/C DI DCA  
0053050 16563003340114303402 40024301053036013602 11330571400243011377 05200200233614010100 N,XC1ALX1B588AEX3A3B10E 588AK EPB S3LAA  
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0053064 00023145346314000562 14013426300216053403 30304303220037770411 37250446362614053503 8Y+1 L E LA1VXBNE1CXX8CR 4 DI4UD-3VLE2C  
0053070 32600624036330315303 00010564303253030002 05603033530300031377 05535003000434250100 Z FTC XY&C AE XZ&C BE X0&C CK ES/C D1UA  
0053074 17023047050301001702 02002666200034150200 22162000341701001724 01002002140004745700 ODX+ECA OBB V P IMB RNP 10A OTA PBL D .  
0053100 20043006540020203021 34060200315420000000 4060357010020235000 21202177677707715000 PDXF= PXXQ1FB Y=P 1FC.A PS/ QPO G /  
0053104 13501076341014001004 33101006114035533037 34525000127212011101 34345000255110113534 K/H IHL HDHMF152X411/ J JA1A11/ U(HI21  
0053110 10633533305310063155 10063154623030551006 16016250362430570402 62203077637021131401 H 20X\$HFY HFY= XX HFNA /3TX.DB PX GKLA  
0053114 341114003410214600200 03360100011400200052 50240000000000000100 21213447174007135000 IIL IJL B C3A AL P /T A QO1+05GK  
0053120 21163461500021173462 20351404020004763047 23007777540021505000 25512200214733475400 QN1 / QO1 P2LDB D X\*S = Q// UIR Q\*0\*=  
0053124 25513047111004421130 04400100255040035400 22135003000154002214 15010100217350002213 U(X\*IH7IXD5A U/5C= RK/C A= RLMAA Q / RK  
0053130 44035000221454030001 20000500350321771001 07510360000000000100 221534031602346000304 9C/ RL=C AP E 2CQ HAGIC A RMLCNB1 CD  
0053134 02002174063214015500 21171063550021165600 21203003020031701002 31013560300110713447 B Q FZLA QOH QN, QPXC B Y HBYA2 XAH 1\*  
0053140 05535000221344035000 22145403000102000566 02002003140002000336 30741620601030110403 E\$/ RK9C/ RL=C AB E B PCL B C3X NP HXIDC  
0053144 01002550010022150100 22773057040602002003 14420200212214000200 03363074162060103011 A U/A RMA R X.DFB PCL7B QRL B C3X NP HXI  
0053150 05653003020005600653 03633001305750003403 04041400540034030100 23353027040402002636 E XCB E F&C XA24/ ICDDL = ICA S2XWDB V3  
0053154 04711402340150003403 04023601306732273201 06125000247454002352 14200200212201002325 D LB1A/ 1CDB3AX ZHZAFJ/ T = S)LPB QRA SU  
0053160 30013527300354002467 20002374540300045003 00071071540034145003 00061006550034141063 XA2WXC= T P S =C D/C GH = 1L/C FHF 1LH  
0053164 54003413304651030011 10145400341210711377 55003413304551030010 10065500341214005400 = 1KX-(C IHL= 1JH K 1KX+(C HHF 1JL =  
0053170 34112000400054003410 50003403041230651006 31551006316631376370 34030307306510063155 LIP 5 = 1H/ 1CDJX HFY HFY Y4 ICCGX HFY



RA = E,35700,76000.  
0000000 CM

16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CL5H.

EXPRESS 11

SDSI - V2.0

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NOS 1-8J03T/R2B.

NOS 1.4 STUDY DUMP.

0053174	10063166313763700000	63703410010023250352	01002475146661703403	15005400340302003005	HFY Y4	IHA SUCJA T L	ICM = ICB XE
0053200	04651701617334152000	34153403500034201377	54003420140054003421	54003422540034235400	D OA	1MP 1M1C/ LPK = IPL = IQ = IR = IS =	
0053204	34243445344654002375	50003425127750003425	14010100247520000000	10111601343410633533	1T1+1-- S / I U J = IULAA T P	HINA11H 20	
0053210	30531006315510063154	16016010301213771006	33371071341230371006	33131377331334133053	X\$HFY HFY=NA HXJK HFO4H	IJX4HFOKK OKIKX\$	
0053214	10063155100631546230	16016210362430570402	62200100207730115303	00010534301253030002	HFY HFY= XNA H3TX.DB PA P	X1\$C AF1XJ\$C B	
0053220	05303013530300031377	05230100263514003401	36013065100631551006	31663101601030101006	EXXX\$C CK ESA V2L I A3AX	HFY HFY YA HXMHF	
0053224	07651071430304411402	35013227055714010350	01002665140004743006	54002706302134060200	G H 8CD6LB2AZWE.LAC/A V	L D X F = WFXQ1FB	
0053230	33120403010025505600	20042000000034060354	15010100271250030002	23007700057050030003	OJDOCA U/, PDP	1FC=MAA WJ/C BS E /C C	
0053234	16013402100235021602	31033402161632600654	40022300700005500350	14000100274350030002	NA18HB28NBVC18NNZ F=5BS	E/C/L A W8/C B	
0053240	23007700057050030003	16013402100235021602	31033402161132600654	40022300700005501400	S E /C CNA18HB28NBVC18NIZ	F=5BS E/L	
0053244	04020346500200010343	30011014310216010100	30041407600114003403	30010305160235021063	DBC-/B AC8XAHLY8NAA XDLG	AL IXCACENB28M	
0053250	35011014310260103014	10713405301004543330	05153011333105123012	33320507301333331377	2AHLYB HXHL IEXHD=OXEHX	I0YEJXJ0ZEGXKK0K	
0053254	05030100300030141277	04433403340430011014	31021601310360103010	33300514301133310511	ECA X XLJ D81C1DXAHLYBNAYC	HXHXELXIOYEI	
0053260	30123332050630133333	05030100300037030552	30040100301401003104	30063400300034061075	XJOZEFXK00ECA X 4CE)XDA	XLA YDXFI X I FH	
0053264	21007777601030061203	34015001001034001006	06171500530001063564	06553664376306525000	Q HXFJCI A/A H1 HFFDM \$	AF2 F 3 4 F/	
0053270	01063164340701003104	10713264077330630467	15000367010031533412	30053411140334131457	AFY IGA YDH Z G X D M C A	Y\$1JXE1ILC1KL.	
0053274	02000336036530010100	31673403020005600603	02002300500300013401	40030505340150030001	B C3C XAA Y ICB E FCB S /C	A1A5CEE1A/C A	
0053300	04573407100606531071	34061400340730011071	04445003000134010100	31673457010032301404	D.1GHFF\$H IFL IGXAH D9/C	A1AA Y 1.A ZXLD	
0053304	60101402351060203311	04663020047133400567	30243351123705633041	33210560304233220555	HLB2H POID XPD 05E XTO	(J4E X60QE X70RE	
0053310	3043323137705513610	34570342305760201701	60101400010032733077	62203057341414003413	X80SK E(3H1.C7X. PUA HL A	Z X PX.L1L1K	
0053314	14560200033630110456	03620100331130053411	30063412140234131457	02000336301104631500	L,B C3XID,C A OIXE1IXF1J	LB1KL.B C3XID M	
0053320	34011400020003363074	16206010301105513701	06660350010033430200	05133014100316203272	IAL B C3X NP HXIE(4AF C/A	O8B EKXLHCNPZ	
0053324	54003114106323002100	54003113010033430100	33641400345734373427	30531072120155002353	= YLH S Q = YKA O8A O L	1.141WX\$H JA 22	
0053330	101433540036312373453	10143354170207051603	10713256070414400200	21220200363304723053	X\$ = 2 J41\$HLO=OBGENCH Z,	GDLSB QR 30D X\$	
0053334	10063155100631546030	16016010303313773433	30342200077604202300	04040512560011325600	HFY HFY= XNA HXOK 10X1R	G DPS DDEJ, IZ,	
0053340	16105600171656002772	03041401020021223012	10063467301310713567	30131237346510143114	NH, ON, W COLAB QRXJHFI	XKH Z XKJ41 HLYL	
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0053360	54001350107655001264	30141201040720001000	54001272560013505000	35631065042055002036	= K/H J XLJADGP H = J, K/	2 H DP P3	
0053364	12773410100235102000	34033210540012672000	01075400133501003364	01003632307560103011	J IHNB2HP ICZH= J P AG=	K2A O A 3ZX HX1	
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0053374	36443053100631551006	31546240307763701135	14013411140034121460	02000336010001140020	39X\$HFY HFY= 5X IZLAIIL	J1L B C3A AL P	
0053400	00525024000000000100	11423402400233300572	50020001333105665002	00023332056250020003	/T/ A I7185BOXE /B A0YE	/B BOZE /B C	
0053404	33331377035502000566	14060200126002000566	14000403402102001442	01001201306510143366	OOK C B E LFB J B E L	DDXQB L7A JAX HL	
0053410	32010755346610633465	30035400122430451006	31551006314663010000	30013546106335453047	ZAG 1 H 1 XC= JTX+HFY	HFY- A XA2-H 2+X*	
0053414	05030100117220006776	02001456107134471401	55001141106355001140	30010460140235030100	ECA I P B L,H 1*LA I6H	15XAD LB2CA	
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0053434	040032300770005353003	16050200114305305003	000116013340210023102	35033001320207163401	5CS E2XCNEB I8E/C ANA18	HBV2CXAZ8GN1A	
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0053444	05673053100631551006	31541601603030031605	02001143055301001335	01001441341230053411	E X\$HFY HFY=NA XXCNEB	I8E\$A K2A L61JXE1I	
0053450	14033413145702000336	03653001010014553403	02000560060302001312	50030001340140030505	LC1KL.B C3C XAA L ICB E	FCB K3/C A1A5CEE	
0053454	34015003000104573407	10060653107134061400	34073001107104445003	00013401010014550100	I A/C AD.1GHFF\$H IFL IGXAH	D9/C A1AA L A	
0053460	15151400345730531237	34531014335417020705	16051071325607041440	0200126030510063155	MML 1.X1J41\$HLO=OBGENH	Z,GDL5B J X\$HFY	
0053464	10063154604016026010	16016030304313773443	30442200077634441076	17020704140102001260	HFY= 5NB IINA XX8K 18X9R	G 19H DBGD LAB J	
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0053474	12371014333432463466	10633245346510143366	07610460303313771006	33321006043234641063	J4HLO1Z-I H Z+1 HLO G	D XOK MFOZHF DZ1 H	
0053500	12773463305310063155	10063154160260303040	23607777040402001706	03030200177502002174	J 1 X\$HFY HFY=NB XX5S	DDB OFCCB O B O	
0053504	02002011060414040200	12603057051002000513	14405500011001001515	02000513010015150100	B PIFDLDB J X.EMB EKL5	AHA MNB EKA MNA	
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0053514	30220462302012773405	51000515600030001006	06513021340630141071	11120520301312300415	XRD XPJ IEC EM X HFFXIQ1	FXHL IJEPXKJDM	
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0053524	30113406301012773405	03640100201030063400	30003406107521007777	60103006120334015001	XI1FXHJ IEC A PHXFI X I FH Q	HXFJCI A/A	
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0053534	07733063046715000367	34570100206014046010	14023510602033110466	30200471334005673024	G X D M C 1.A P LD HLB2H	POID XPD 05E XT	

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0053540 33511237056330413321 05603042332205553043 33231377055136103457 03423057602017016010 01J4E X60QE X7ORE X8OSK E(3HL.C7X. POA H
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0053554 03500100217302000513 30141003162032725400 20201063230021005400 20170100217300000000 C/A Q B EKXLHCNPZ = PPH S Q = POA Q
0053560 34031300107300000176 01402151147602000336 14540200033614440200 03360100011414010205 ICK H A A Q1L B C3L=B C3L9B C3A ALLABE
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0053614 11050100131037270774 34053160603030301006 06701005076630331006 07633034100316016010 IEA KH4WG IEY XXXHFF HEG XOHFG XIHCNA H
0053620 16026020161260403014 12200550304112770407 11120405110605410200 17723021044434353406 NB PNJ 5XLJPE/X6J DGIJDEIFE6B 0 XQD9121F
0053624 141010200202430110555 36370200051356000105 20004325540001013040 12040404156202002024 LAB PTXIE 34B EK, AEP 8U= AAX5JDDDM 8 PT
0053630 01001310010014053034 10031616601030101207 04673464303410031606 60103011220037773465 A KHA LEXIHCNN HXHJGD 1 XIHCNF HXIR 4 1
0053634 20003777540067761477 54006777140034073764 07433065350714105500 71002000677602001245 P 4 = L = L IG4 GBX ZGLH P B J+
0053640 03640100145430071601 54003623530001060516 34133414300534113006 34121455020003363014 C A L-XGNA= 35$ AFENIKLXE1IXF1JL B C3XL
0053644 04215400362320303623 02001245360753000106 05423407500036233406 01001454010012510100 DQ = 3SPX3B J+3G$ AFE7IG/ 351FA L-A JIA
0053650 152234607107134663071 54003624306607660505 30671277540036243064 10143165617136250200 MR1 H 1 X = 3TX G EEX J = 3TX HLY 3UB
0053654 14553071356510633564 37660355010015562000 05003401140054016776 54016777150235010670 L X 2 H 2 4 C A M,P E 1AL =A =A MB2AF
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0053664 22000377342614015400 70172000040055007106 3445303010100613005 34111406341314570200 R C 1VLA= OP D F1+XXHHFHKXIEILFKL.B
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0053700 17123412300534111403 34131457020003360365 01001725300534113006 34121402341314570200 01J1XE11LC1KL.B C3C A OUXE1IXF1JL81KL.B
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0053714 23377777341210561612 34133005341114570200 03360361010020230603 23377777341210561614 S4 1JH,NJ1KXE11L.B C3C A PSFCS4 1JH,NL
0053720 34133005341114570200 03360361010020423057 04041701617370001427 61707012300654007007 1KXE11L.B C3C A P7X.DDQA LW JXF = G
0053724 30075400701014005400 67775400677620006776 02000563010020420100 20752000377754006776 XG= HL = - P B E A P7A P P 4 =
0053730 14775400677730570406 54007011170161707000 30055400700530065400 70061427617070125600 L = X.DF= IOA XE= EXF= FLW LEH
0053734 70121400340716015400 70072030677602000563 06030100125150007007 34070100207514056010 JL IGNA= GPX B E FCA J(/ GIGA P J, H
0053740 30103460140034573447 34373012346132603427 14046010301034623011 34631402601036133425 XH1 L 1.1*14XJ1 Z 1WLD HXH1 XII LB H3K1U
0053744 10073374041330521702 07313074162260103011 21770020072230523401 10013501172206145001 HGO DKX)OBBGYN NR HXIQ PGRX)1AHAZAOFL/A
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0053754 11561122225222521122 23071105112223212337 34150100107300000147 35021706062750521202 I,IRR)IRIRSGIEIRSQ541MA H A*XI)OFFW/IJB
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0054000 20001520345120777677 35533053123710063155 10063154602030531013 07303022137710063321 P MP1(P 2$X$J4HFY HFY= PX$HKGXXRK HFOQ
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0054050 20001607010011351405 55001570141034023053 10063155100631546102 20731400540021435052 P NGA I2LE M LH1BX$HFY HFY= BP L = 08/)
0054054 16171014230020730200 04420100115000100076 44140000001000120050 6601000000055111611 NOHLS P B D7A I/ H 9L H J / A INI
0054060 24110114551505232301 07055514111511245700 0000000000000030006 00041621601030131277 TIAL MESSAGE LIMIT. C F DNO HXKJ
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0054074 34113056320407200417 10063412106334113071 35113004100634141063 34131470020003361400 1IX,ZDGPDOHF1JH 1IX 2IXDHF1LH 1KL B C3L
0054100 34103074163562101466 60103056341101001670 14003414307416626210 15000100174531563411 1HX N2 HL HX,1IA N L 1LX N HM A 0+Y,II

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0054110	30741662621030010404	14540200033630010100	17455511141405070114	55031715151716551505	HXADDL=B C3XAA O+ ILLEGAL COMMON ME
0054114	15172231551501160107	05225522052125052324	5700000550614552205	21250523245502053117	MORY MANAGER REQUEST. FL REQUEST BEYO
0054120	16045515061455510315	52570000270111241116	07550617225523241722	01070555510315525755	ND MFL (CM). WAITING FOR STORAGE (CM).
0054124	55000000000000000000	33020600000000000076	01000005302010060604	14005415015230202200	OBFL A EXPHFFUL=MAIXPR
0054130	37773402140034011404	60103010340330113457	30741675601030110215	04423404141434111412	4 1BL 1ALD HXHI CX11.X N HXIBMD7IDL LILJ
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0054154	60103011050301150021	14440200033601000114	14666020140434243051	12372300150034073657	HXIECAM QL9B C3A ALL PLDITX(J4S M 193.
0054160	62201701624014143411	14040200033620000370	31153401140535014001	04203340057250010001	POA 5LL1ILDB C3P C YM1ALEZA5ADPO5E /A A
0054164	33410566500100023342	05625001000333431377	05553002220017770515	50010004100606223074	O6E /A B07E /A C08K E XBR O EM/A DHFFRX
0054170	16216010301312771103	05131475127704103420	51000515601030101006	06335001000312771715	NQ HXKJ ICEKL J DHIP( EM HXHHFFO/A CJ UM
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0054214	00000003000214071700	00000015000700000000	00000015000615000100	04411207110704721107	C BLGO M G M FM A D6JGIGD IC
0054220	10032100001003662701	11245506162455232001	03055700000000000000	330406000000000000113	HCQ HC WAIT FNT SPACE. ODF AK
0054224	01000005011502670100	00113004541500613006	54150060300554150057	14623515203322062020	A EAMB A IXD=M XF=M XE=M .L ZMPORFB
0054230	04761562351503540215	00125015006034042000	20003405200000003406	15125515002702150012	D M 2MC=BM J/M IOP P IEP IFMJ M WBM J
0054234	01150005301312773405	30072200010010053505	14125515002730025100	05156010301410031606	AM EXKJ IEXGR A HEZELJ M WXBI( EM HXLHCNF
0054240	601030101065110333416	14046010301134033407	30103406325707023407	30160504150455150522	HXHH ICINLD HX1IC1GXHIFZ.GB1NXNEDMD MER
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0054250	16016010301012773302	05503001123710073374	05023407300110711113	05653011330405623407	NA HXHJ OBE/XAJ4HGO EBLGXAH IKE XIODE IC
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0054304	01150005301454150417	30155515040030571701	63700413307416716010	30103357052636073057	AM EXL=MDOXM MD X.OA DXX N HXHO.EV3GX.
0054310	62030352111620252447	00010000305717013377	04113074167160101400	34113074167162100215	CC)INPUT* A X.OAO DIX N HL IJX N IIBM
0054314	05123002041751000515	601030023441130132200	37773407301010060605	02150531011500051001	EJXBD0( EM HXB1IXKR 4 IGXHHFFEBMEYAM EHA
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0054330	05303004047434123002	33163411144302000336	30571701337704611410	34101476341114223412	EXXDD IJXBON1IL88 C3X.OAO D LHLHL 1ILRIJ
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0054370	15000345200000003416	51000213047020000000	34170311020003660200	03150713040301000162	M C+P INI BKD P IUCIB C B CMGKDC A
0054374	20000000340602000441	01000151500005121704	10025100051217043101	33030506500005265100	P 1FB D6A A1/ EJODHB( EJODYAOCEP/ EVI
0054400	05270506500005110447	15010352500005110511	50030010540002055003	00115400021350000526	EWEF/ EID*MAC)/ EIEI/C H= BE/C I= BK/ EV
0054404	34165000052734172000	00003406020004410750	020005130100051530100	031440033240005735003	IN/ EW1OP 1FB D6G/B EKA A1A CL5CZ5E /C
0054410	00013241056750030002	32420563304313773402	50030003137732020353	01000341500005151002	AZ6E /C BZ7E X8K 1B/C OBK ZBC3A C6/ EMBB
0054414	51000515210005113401	50000512170210025100	05121702310134030354	01000365500300103416	( EMQ E11A/ EJ0BHB( EJ0BYA1CC=A C /C H1N
0054420	50030011341703675400	00500100040050030063	10710470117704662077	76775503006310713401	/C I1UC = /A D /C H D I D P C H 1A
0054424	10033301137055000435	02000513200005070200	05630346231123035655	33335700000001000440	HCOAK D2B EKP EGB E C-SISC, OO. A D5
0054430	30063400300034061075	21007777601030061203	34015001001034001006	06171500530001063517	XC1I X 1FH Q HXFJCIA7A HI HFFOM \$ AF20
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0054444	34300315307416666001	30041277510005156030	30341003160460300200	07320407140034013402	IXCMX N AXDJ ( EM XX1HCND XB GZGL 1A1B

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0054460 30141011061214000200 03363074162060103011 11220512205557005400 0434140054004350100 XLHIFJL B C3X NP HXIIEJP . = D1L = D2A  
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0054550 05230215036404251140 05205000707510060605 0311500011501751514 0311500011501751514 55150241561502330115 ESBMC DUISEP/ HFFECIM AMA ML MB6,MBOAM  
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0054664 54150417300604143016 31170411021504110706 20006776020005600606 20006776020005600606 15000215033601150005 =MDOXFDLXNYOOIBMDIGFP B E FFM BMC3AM E  
0054670 40151307171004700631 50007022341650007023 34175000702154150216 34175000702154150216 14000215033650157776 14000215033650157776 D1LX+MP B =MATAM YOHEZP 1BLE2BQ CDGCAM  
0054674 04511430451520000275 54150124011500311710 05322000717334021405 05322000717334021405 35022177030407030115 35022177030407030115 B SBJ \$M E 3BOD=MBL5B=MBNL BKP J 1B  
0054700 02624002127753157776 05643602170454150214 40025415021614666170 40025415021614666170 50007016170104044015 50007016170104044015 HBQ EZB/MBNH OEGBNAZBP +BGS/ NOADD5M  
0054704 10022100700535025015 02161071170507021601 35022077767745020723 35022077767745020723 03360115012057007015 03360115012057007015 HGGQ/ M) NGL+BHLGD. NFFL B C3AMAP. M  
0054710 10210721500070155200 70160714470210140704 57007016060614760200 57007016060614760200 62101406341414013411 62101406341414013411 G LAAMAQ/M I1L IHX HLF1LLAIHF1KMDI1JL  
0054720 02000336301104061104 04040215037403560115 0005223302630300000 0005223302630300000 13000100033505112000 B C3XIDFIDDDDMC C,AM ERSXVXX K A CZEIP  
0054724 05003401140054016777 37010573070520006776 02000563020005663003 02000563020005663003 60103614300362100350 E IAL =A 4AE GEP B E B E XC H3LXC HC/  
0054730 50000112541503710000 05760100037314000200 03363074162060103011 03363074162060103011 11220557011500050100 / AJ=MC E A C L B C3X NP HXIIRE.AM EA  
0054734 04103006340030003406 10752100777760103006 12033401500100103400 12033401500100103400 10060617150053000106 DXXF1 X IFH Q HXFJCIA/A H HFFOM \$ AF  
0054740 35170655361737160652 50000106311734070115 04101071321707733016 04101071321707733016 04671500036700000000 04671500036700000000 20F 304NF)/ AFYD1GAMDHH ZOG XND M C  
0054744 14061500107300000274 020017522000000000405 23361400020004760100 23361400020004760100 11113624305704026220 LFM H B B OJP DES3L B D A I1JTX.DB P  
0054750 02001373140005061444 02000336010001143411 14003412307763701143 14003412307763701143 14600200033601000114 B K L EFL9B C3A AL1L IJX I8L B C3A AL  
0054754 00140076220601001146 34251601101254001406 10635400140302001175 10635400140302001175 16016010301110110657 L RFA I-1UNAHJ= LFH = LCB I NA HXIIF.  
0054760 30251115045401001113 01001174305310063155 10063154037001001204 10063154037001001204 30251277047351000515 XUIMD=A IKA I X1HXY HFY=C A JDXUJ D ( EM  
0054764 60103010100607651001 06042200760004603025 12773411140502000336 12773411140502000336 03510100123314015400 HXHHFG HAFUR D XUJ I1LE C3CIA JOLA=  
0054770 5000200050013452033 04060200047614003457 03610100125202001712 03610100125202001712 05050200120514010316 / P /A1MPDFB D L L.C A J1B OJEEB JELACN  
0054774 30253420200050003415 20330206020004760305 14003457141003163004 14003457141003163004 05470200123414170310 05470200123414170310 XU1PP / 1MPO8FB D CEL I.LHCNXDE\*B J1LOCH  
0055000 02000442143602000336 01000114340011150502 34573000020011472001 34573000020011472001 17645400111210635400 B D7L3B C3A ALL IMEB1.X B I\*PAO = IJH =  
0055004 1103010110202001147 30070411540013511401 02001431160663731350 02001431160663731350 36243057040262203075 ICA IBB I\*XGDI= K/LAB LYNF K/3TX.DB PX  
0055010 60103011137711203411 30551006160162100100 11210100137236263444 11210100137236263444 14000511304313772300 HXIK IP1X HFNA HA IQA K 3V19D E1X8K S

0055014	00003443200000003544	02001175624003560100	14140200147404050200	16170470141511000100	18P 29B I 5C,A LLB L DFB NOD LMI A
0055020	13160100143034013074	16276010301313013301	34133074162762100362	01001446020014740473	KNA LXIAX NW HXKKAOAIXX NW HC A L-B L D
0055024	30576010301012775100	05156010301322003777	23002405055614000354	34570100147314046010	X. HXHJ ( EM HXKR 4 S TEE, L C-1.A L LD H
0055030	14023510602033110466	30200471334005673024	33511237056330413321	05603042332205553043	LB2H POID XPD O5E XTO(J4E X60QE X7ORE X8
0055034	33231377055136103457	03420100153102000513	30141003162032725400	15571063230021005400	OSK E(3H1.C7A MYB EKXLIHCPZ - M.H S Q -
0055040	15561400340334023400	3006107521007776010	30061203340150010010	10060612107134065000	M, L IC1B1 XFH Q HXFJ31A/A HHFFJH 1F/
0055044	01063503106335023600	03531071340735031063	35023600010015313057	60201701601014000100	AF2CH 2B3 C5H IG2CH X2F3 A MYX. PDA HL A
0055050	16163077622030573414	14003413145602000336	30110456036210713306	04243306340012033401	NNX PX.LLL IKL,B C3XID,C H OFD TOF1 JC1A
0055054	50000106353610633535	3000107521007776010	50010010100607531401	01001662340302000513	/ AF23H 22X H Q H/A HHFFSLAA N ICB EK
0055060	30141003162032725400	16531063230021005400	16523007343610633435	30030347140001001711	XLHCNPZ - N5H S Q = N)XG13H I2XCC*L A 01
0055064	14403401400110710420	17450666400112770415	17450661360111430563	30431071174507530351	L51A5AH DPO+F 5AJ DMO+F 3A18E X8H O+G1C(
0055070	40010547360111430573	30431071054130400340	01001751020027360503	01002036305310713427	5AE*3A18E X8H E6X5C5A 0(B WJECA P3X1H 1W
0055074	30531277345330521732	05135600137602001175	60103013127704121701	03100200117516016010	X1J 1X10ZEK, K B I HXKJ DJOACHB I NA H
0055100	30131071160434453053	10140706335431451071	32560705200021130100	13073052100131523407	XKH ND1+X1HLGFO-Y+H Z,GEP QKA KGX)HAY)1G
0055104	21777656070520002127	01001307307416216010	30131277344715003347	55002057500721740403	Q ,GEP QWA KGX NO HXKJ 1*M O* P./GO DC
0055110	10210655500721735400	11120450500721721277	54001103020011756040	30442200177634263444	HQF /GO = IJD//GO J = ICB I 5X9R 0 1V19
0055114	30431377344314003457	34250100175155010404	22052323551725245517	0655220116070570000	X8K 18L 1.1UA 01 ADDRESS OUT OF RANGE.
0055120	5514061555114140507	01145522052125052324	57000000010021433074	21000102601030120470	LFM ILLEGAL REQUEST. A Q8X Q AB HXJD
0055124	13013401146660303074	21000102623030010503	01001113141401001316	0000261200000041764	KALAL XX Q AB XXAECA IKLLA KN VJ 00
0055130	00000004207600000000	0000000000517640000	0005176700000051775	00000005177700000002	DP EO EO EO EO
0055134	23050000000223410000	00002346000000022363	0000000261700000003	2035000000520030000	SE BS6 BS- BS VO CP2 EPC
0055140	00052050000000002313	00000000617640000006	22440000000626200000	00002637000000071764	EP/ SK FO FR9 FVP V4 G0
0055144	00000003221600000003	23360000000520010000	0007211500000022640	00001466601030451707	CRN CS3 EPA GQM BV5 L HX+UG
0055150	07160200117516076210	02001474140660013003	34013004340203101422	01001316570023601407	GNB I NG HB L LF AXCIAXD1BCHLRA KN. S LG
0055154	60013001101431026030	30341277160235021063	35013030052014010556	2004176454001121063	AXAHLYB XX1J NB2BH 2AXXEPLAE,PDU = IJH
0055160	54001103305705030100	11020100250733400513	30313341051030323342	05053033334313770433	= ICX.ECA IBA UG05EKX06EHXZ07EEXX008K DO
0055164	30331204050301002344	30341277047334033001	10143102320360103010	33400513301133410510	XOJDECA S9X1J D ICXAHLYBZC XHMO5EKX106EH
0055170	30123342050530133343	13770405370305540100	23443033120404050200	26500100257130331201	XJ07EEXX008K DE4CE=A S9X0J00EB V/A U X0JA
0055174	11011013540025343034	12773403140460103610	60303057041560203030	33200504303133210406	IAHK= U1X1J ICLD H3H XX.DM PXXOPEDXYOQDF
0055200	14003457141001001316	30011014310232031701	60106003140034103403	30131006060301002344	L 1.LHA KNXAHLYBZCOA H CL IHI1CKXHHFFCA S9
0055204	20002533341037140603	36143713020011751606	62031601621030570405	14003457010011131477	P U01H4LFC3L4KB I NF CNA HX.DEL 1.A IKL
0055210	34250200125330303420	30313421342214013423	30511237230010003444	30431377110134433057	IUB J5XX1PX1Q1R1A1SX1J45 119X8K 1A18X.
0055214	17016240304313773443	01001113020021442002	17640312020014740405	14003457010011132003	DA 5X8K 18A IKB Q9P8D CJB L DEL 1.A IKPC
0055220	17645400111210635400	11030100110202002144	02001447055620032147	03610100264730343400	O = IJH = ICA IBB Q9B L*XL E,V,PCQC A V*X11
0055224	12773403300110143102	32031701603030001071	34301477342502001253	30303420041751000515	J ICXAHLYBZCOA XX H IXL IUB J5XX1P001 EM
0055230	60103013100606130200	27253031342134223032	34230310020027253033	34213422303434230100	HXXKHHFKB WUXY1Q1RXZ1SCHB WUX01Q1RX1ISA
0055234	26470100272414046010	36106010301034200367	01002735307560103011	12400371000000000000	V*A WTL0 H3H HXH1PC A WZX HX1J5C
0055240	36140200175400000267	010017610375300451706	06041422010013160200	14153057540021573022	3LB O= B A O C X+OFFDLRA KNB I MX.= Q.XR
0055244	05035600220730201277	151000515540021416030	30332200377723001524	04072300030004042300	EB, RGPJ ( EM= Q6 XXOR 4 S MFDGS C DDS
0055250	32210513360022243074	21000102603030300403	14270324301312775400	21763014540021711071	ZQEK, RTX Q AB XXXDCLCTXKJ = Q XL= Q H
0055254	55002132031350002157	34576020362430576220	14150100131602001175	16066040020014740521	QZCK/ Q.L. P3TX. PLMA KNB I NF 5B L EQ
0055260	01002156305760200100	11133624305762205000	21573457602014020100	13165300215704570201	A Q,X. PA IK3TX. P/ Q.L. PLBA KN5 Q.D.B
0055264	16170403010020533014	10713407500722660423	14001115040433071115	05422000214060303030	NODCA P5XLH IG/GR DSL IMODOGIME7P Q5 XXX
0055270	10060703010021023014	13405400217102001234	20002156345760200200	17120504140101001316	HFGCA QBXLK5= Q B J1P Q,1. PB 0JEDLAA KN
0055274	20002170344430431377	21002175344330571701	62403044107111110516	14000404140301001316	P Q 19X8K Q Q 18X.OA 5X9H I1ENL DDLC A KN
0055300	30741671601030573411	30741671621014000503	01001113307410703411	14150200033630756010	X N HX.IIX N HL ECA IKX H I1LMB C3X H
0055304	60303031137716203431	34113033127734333074	21000102623030551006	16016210020011756040	XXYK NP1Y1IX0J IOX Q AB XX HFNA HB I 5
0055310	01001113000000000001	00010000000000000000	00000001000000000000	0000000020014153014	A IK A A A B LMXL
0055314	10711115040611040404	14020100131650002332	05063013101706031421	03663013130111013413	H IMF0IDD0LBA KN/ SZEFKHOFCL0C XKKAIAIK
0055320	30571701621001001113	14005400233201002305	02001474041002001617	04041415010013161402	X.OA HA IKL = SZA SEB L DHB NODDLMA KNLB
0055324	34260100111330451706	06041422010013160200	14150200117516016030	16046210160162201400	IYA IKX+OFFDLRA KNB LMB I NA XND HNA PL
0055330	34303020127704215100	05156010301322003777	34253430301010060706	10010704200040003530	IXXPJ 0Q1 EM HXKR 4 LUIXXHHFFHAGDP 5 2X
0055334	020001175160162303027	11010510302523001524	04062300030004040100	111334273004517100604	B I NA XXWIAEHXUS MTDPS C DDA IK1WX+OHFD
0055340	14220100131614053401	14030200257530776003	16016010160160601466	60303007101112063127	LRA KNLEIALCB U X CNA HNA L XXGHIJFYW
0055344	10103430301410713402	30140403170112075302	34523530306410653402	3064220007753023460	HX1XHLX IBXLDC0AJG5B112XX H 18X R G 5B1
0055350	341330631240304013063	12373402100134323027	04053002313210763432	30010402373230621277	IYX J51AX J41BHA1ZXWDEXBYZH IZXADB4ZX J
0055354	10063532306034343061	1411340120000006003534	106335333740105710200	11751610623001001113	HF2ZX I1X DIIAP F 21H 204AE B I NH XA IK

RA =  
0000000

E,35700,76000.  
CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

EXPRESS 11

DL01 - V2.0  
NOS 1-8J03T/R28.

79/10/30. 15.19.43.  
NOS 1.4 STUDY DUMP.

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0055360	01002574100634023021	04343501300234133001	34141400341120007773	34121464020003363011	A U HF1BXQD12AXB1KXALL IIP IJL B C3XI
0055364	04531703061314000200	03363074162060103011	04500100111314040100	13161423340114005401	D\$OCFKL B C3X NP HXID/A IKLDA KNLSIAL =A
0055370	357637010673020001175	60401601637035763044	10210604142501001316	30451704060414220100	Z 4AF B I 5NA Z X9HQFDLUA KNX+ODFDLRA
0055374	13160200347205121403	34040200117516026304	35760100111302001617	04061400345714150100	KNB I E2LCL0B I NB D2 A IKB MODFL 1.LMA
0055400	13163404301410713403	50043426330304063604	11100571147734043004	54003602301312773425	KN1DXLH 1C/D1VOCDF3DIHE L 1DXD= 3BXKJ 1U
0055404	30201277340554003603	04165100051560303033	22003777540035763030	10060703010031073024	XPJ 1E= 3CDNI EM XXOR 4 = 2 XXHFACA YGXT
0055410	10741240161034603024	10160607100106031404	03131402031130210431	33220507302311010504	H J5NH1 XTHNFGHAFCLCKLBCIXQDYOREGXSIAED
0055414	14011011356030210417	34060200153237030605	30020403370215005400	36113002540036103022	LAH12 XQD01FB MZ4CFEXBDC48M = 3IXB= 3HXR
0055420	04253406302334073021	02001663303510065400	36131063540036123036	10065400361410635500	DU1FXS1GXQB N X2HF= 3KH = 3JX3HF= 3LH
0055424	36133660140034045004	34363325127704103604	11070570147602000336	03045004343613775500	3K3 L 1D/D130UJ DH3D1GE L B C3CD/D13K
0055430	36020100317730332200	37772300152404152300	30004011230032000402	14201120346001003166	3BA Y XOR 4 S MTDMS C DIS Z DBLPIPI A Y
0055434	30713171346030242200	40001074356014243401	14010200257530776030	30331010060314403560	X Y I XTR 5 H 2 LTIALAB U X XXOHFCL52
0055440	14043401140102002575	30776030303410120604	30251021060330710303	20000300550036023060	LD1ALAB U X XX1HJFDXUHQFCX CCP C 3BX
0055444	54003601140434270200	11751601632735763045	17053445061301001113	14403534020011753127	= 3ALDIWB I NA W2 X+OEl+FKA IKL521B I YW
0055450	62303745076636270200	11753127601014666030	10141237046434341406	34011502350107505001	X4+G 3WB I YW HL XXLJ4D 11LFIAMB2AG//A
0055454	34453334057150013446	34010101000030602200	03000407302210671006	35340100322101003217	1+01E /A1-1AAA X R C DGXRH HF21A ZQA ZD
0055460	02003554047350003602	10060611100106031414	03041003120316013433	50003614120410043533	B 2=D / 3BHFFIHAFCLLDCHJCNA10/ 3LJDHD20
0055464	50003607107134025000	36070403170112075302	34521006353401003221	02003554050301003217	/ 3GH 1B/ 3GDC0AJG\$B11HF21A ZQB 2-ECA ZD
0055470	50003613124034015000	361312373402110013403	30601013070530023103	10763403300104023703	/ 3KJ51A/ 3KJ41BHA1CX HKGEXBYCH 1CXADB4C
0055474	30031006353450003614	10653402500036142200	07775302346034335000	36103432500036110411	XCHF21/ 3LH 1B/ 3LR G \$B1 10/ 3H1Z/ 31DI
0055500	34022000060035321063	35313702057101003221	00150000000200030012	00160011001001011700	1BP F 2ZH 2Y4BE A ZQ H B C J N I HAAD
0055504	05201530213141210005	00013260000232740014	33370020001000300040	00501000200040003006	EPMXQY6Q E AZ BZ L04 P H X 5 /H P 5 XF
0055510	04053410602036103457	01003471140034061404	60101402351060203311	04573020047133400567	DE1H P3H1.A 1 L 1FLD HLB2H PO1D.XPD 05E
0055514	30243351123705633021	33410560302233420555	30233343137704413010	16016030303012775100	XT01J4E XQ06E XRO7E XS08K 06XHNA XXXJ (
0055520	05156030303322003777	23001624040223000300	05033010340601003477	01003553306022000300	EM XXOR 4 S NTDOS C ECXH1FA 1 A 2SX R C
0055524	047214000570114053401	140302002557530776173	35765600356103550000	36140600175400000201	D L E LE1ALCB U X Z , Z C 3LF 0= BA
0055530	01001761037530742100	01016010301010170704	14110100131610200603	56002151020014740406	A 0 C X Q AA HXHHOGD1IA KNHFFC, Q1B L DF
0055534	14003457141001001316	30741673601030101277	31110503010011131477	34250200125330741672	L 1.LHA KNX N HXJ YIECA IKL IUB J\$X N
0055540	06001601602030531006	31551006315416066030	30331277343310143334	050301002200010713256	NA PX\$HFY HFY=NF XXOJ 10HL0IECA R H Z,
0055544	07041426010013163020	12773405302234063023	34073021020016631400	34143024102107101440	GDLVA KNXPJ IEXRIFXS1GXQB N L 1LXTHQGH5
0055550	34143736060473751400	34363035100634131063	34123036100635141063	35133063217776473514	1L43FD42L 13X2HF1KH 1JX3HF2LH 2KX Q *2L
0055554	30241071127704053410	30143210341414003410	34113033100631551006	31346210302010060735	XTH J DEIHXLZHL1L1HXOHFY HFY1 HXPHFG2
0055560	14000533200015005400	22165700222214666010	603306034103020200	17003430307421000072	L EOP M = RN. RRL H X IHXP R D 1XX 0
0055564	62101601623030201277	23007400342030213422	14013423140434243051	12372300100034443043	HNA XXPJ S 1PXQ1RLA1SLD1TX1J4S H 19X8
0055570	13771101344330571701	62401466603030611277	34333062343402001175	16066230010011130200	K IA18X.OA 5L XX J 10X I1B I NF XA IKB
0055574	147405210146660203074	16726060200040003461	30643463307416726260	01001113020016170404	L EPL PX N P 5 I X I X N A IKB NDDO
0055600	14150100131630141071	11150503010023411105	05212000232454002376	30741671601030106010	LMA KNXLH IMECA S6IEEQP ST= S X N HXH H
0055604	30203310127705043021	33110404140201001316	20000400530025555400	25552000400054002443	XPOHJ EDXQO1DDLBA KNP D \$ U = U P 5 = TB
0055610	30201277510005156010	30101006070314060304	30220504140301001316	305310063105510063154	XPJ ( EM HXHHFGLFCDXREDLCA KNX\$HFY HFY=
0055614	16066030303312773433	10143134050301002453	10713256070414260100	13163033100631551006	NF XXOJ 10HLYIECA T\$H Z, GDLVA KNXOHFY HF
0055620	31346040304310063436	10633435304410713536	30421006353514003433	30403431304134323044	Y1 5X8HF13H 12X9H 23X7HF22L 10X51YX612X9
0055624	12773434302012773405	23000000342030213406	02002657010025513074	16726060302012773405	J 11XPJ 1ES 1PXG1FB V.A U X N XPJ 1E
0055630	30213422340614013423	34070200051314105400	01052006077602003124	02000566300105030100	XQIRIFLA1S1GB EKHL= AEP B YTB E XAECA
0055634	23551400346134622000	01303463144034023201	07033001340230743163	63027000327434641401	S L I 1 P AX1 L51BZAGCXA1BX Y B Z 1 LA
0055640	34243002174006042000	40003461302012773420	30213422307416726260	16016030622030301006	ITX805FDP 5 I XPJ 1PXQ1RX N NA X PXXHF
0055644	07303030127734113031	34120422144302000336	14103410147634111422	34123077621014013411	GXXXJ 1IXY1JDRL8B C3LH1HL 1ILR1JX HLA1I
0055650	34121460020003361466	60103057040662101701	62101400345701001113	307416733602030201277	IJL B C3L HX.OF HOA HL 1.A IKX N PXPJ
0055654	34053021340605041403	01001316020011751606	60303034137710063333	10061601343610633435	1EXQ1FEDLCA KNB I NF XX1K HFOOHFNA13H 12
0055660	02002657622001001113	01002656307416726060	02003037061450002443	04030100302630213406	B V. PA IKA V,X N B X4FL/ T8DCA XVXQ1F
0055664	14013407140034343006	34223007342302000513	14105400010520006776	020031240200005663001	LA1GL 11XF1RXG1SB EKHL= AEP B YTB E XA
0055670	05030100302630343133	04073034127732010703	01003026303122003777	34613032346220000130	ECA XVX1YODGX1J ZAGCA XVXYK 4 I XZ1 P AX
0055674	34633034127717400616	14013424144034023201	07033001340230743163	63027000031734343006	I X1J 05FNLA1TL51BZAGCXA1BX Y B CQ11XF
0055700	34223007342314003424	300117403304230743163	630274040327434643034	12773563300217400604	IRXG1\$L 1TXA051BX Y B 5Z 1 X1J 2 X805FD
0055704	20004000356110741672	62061601010026562000	01303463346414003461	34620357010030360200	P 5 2 X N NAA V,P AX1 1 L 1 I C.A X3B
0055710	05133014100316203272	54003063106323002100	54003062300634003000	34061075210077776010	EKXLHCNPZ = X H S Q = X XF1 X 1FH Q H
0055714	30061203340150010010	34001006061715005300	01063536065536363735	06525000010631363407	XFJCI A/A H1 HFFOM \$ AF23F 3342F)/ AFYJ1G
0055720	01003036107132360773	30350467150003673001	01003123340302000560	50030001340140030505	A X3H Z3G X2D M C XAA YS1CB E /C A1A5CEE

0055724	34015003000104623407	10060656107134061400	34073001107104475003	00013401010031230000	1A/C AD IGHFF,H IFL IGXAH D*/C A1AA YS
0055730	36140700175400000150	01001761037502001175	16106030020023650714	30331014333431303130	3LG 0= A/A 0 C B I NH XB S GLXOHL01YXYX
0055734	16011071325607061423	03021422010013161404	60601402356060403361	05161466601030331006	NAH Z,GFLSCBLRA KNLD LB2 50 ENL HXOHF
0055740	31551006313462100200	11756040010011133040	04543044335112370550	02002427064530601601	Y HFY1 HB I 5A IKX50-X90(J4E/B TWF+X NA
0055744	60203065102107040200	24460515302010711175	04031103051130651017	07060200262505210100	PX HOGDB T-EMXPH I DCICEIX HOGFB VUEQA
0055750	20133033100631551006	31346240160162201402	35341063353337300560	01002020020014740506	PKXOHFY HFY1 5NA PLB21H 204XE A PPB L EF
0055754	14773425020012530306	02001617040314150322	30741671603030313357	05030100111330571701	L 1UB J*CFB NODCLMCRX N XXYO.ECA IKK.OA
0055760	60103014107111150405	14221120010013163020	12770414117704121177	51000515600130011006	HXLH IMDELRIPA KNXPJ DLI DJI ( EM AXAHF
0055764	07031406036030220403	01002273302105233413	34143411140534121455	02000336301405030100	GCLFC XRDCR R XQESIKIL1ILE1JL B C3XLECA
0055770	21523421302013773311	34203021342234062000	01043424140134233020	12773405020005131410	Q1IQPK OIIPXQIRIFP ADITLAEISXPJ 1EB EKL4
0055774	54000105200067765400	01010200271202002657	02000566300534113006	22003777341214013413	= AEP = AAB WJB V.B E E1XFR 4 1JLAIK
0056000	14430200033630571701	60100311302134221401	34233024137711043424	30310503010023463057	L8B C3X.OA HCIXQIRLALSXTK IDITXYECA S-X.
0056004	34656220303134571701	60203051123723001100	33241340051502001617	04103065602036243065	I PXY1.OA PX(J4S I OTK5EMB NODHX P3TX
0056010	62200100213002001234	30653457602017016010	30141277230011003414	30573431170162103074	PA QXB JIX 1. POA HXLJ S I 1LX.1YOA HX
0056014	16716230010011130100	23643030050420000200	34303031127710143332	05021500346710633466	N XA IKA S XXEDP B IXXYJ HLOZEBM I H I
0056020	14003431141034013033	10713465101707031404	35013033127734333045	32010100236401002426	L 1YLM1AXOH I HOGCLD2AXOJ IOX+ZAA S A TV
0056024	30441071340420001021	32045400244330661014	33671000036101002445	30201277340551000515	X9H IDP HQZD= TBX HLO H C A T+XPJ IE( EM
0056030	60103010100606030100	25623013220003772300	15240420230003000415	230032000400514003422	HXHHFFCA U XKR 4 S MTDPS C DMS Z DEL 1R
0056034	34230343200024243421	01002602302116053414	14003411307134132000	77733412146402000336	1SC8P TTIQA VBXQNEILL IIX IKP IJL B C3
0056040	30110414170206241400	02000336307416206010	30110514034630776010	30123422301334232000	XIDLQBFTL B C3X NP HXIELC-X HXJIRXK1SP
0056044	15243421033015003440	02001175116102400322	30651020072130220415	34063023340730210200	MYIQCM 15B I NH SCRX HPGQXRDM1FXS1GXOB
0056050	16630555303534223036	34231400010024453021	04743406020015321501	35030604370207633603	N E X21RX31SL A T+XQD IFB MA2CFD48G 3C
0056054	34233002342203560100	26241402353111060514	15003410305310063155	10063154604016116210	1SXBLRC,A VTLB2YIFELM IHX\$HFY HFY= 5NI H
0056060	03570200117516073131	62401601622014000346	01002656305704041701	61737000142761707012	C.B I NGY 5NA PL C-A V,X.DDOA LW J
0056064	30065400700730075400	70101400540067775400	67762000677602000563	01002656010027112000	XF= NGX= HL = = P B E A V,A WIP
0056070	37775400677614775400	67773057040654007011	17016170700030055400	70053006540070061427	4 = L = X.DF= IOA XE= EXF= FLW
0056074	617070125600700121400	34071601540070072030	67760200056350007007	34070100271100000000	J, JL 1GNA= GPX B E / GIGA WJ
0056100	22202600107300000277	02002523051230521006	07040200126203270200	13360324500027661076	RPV H B B USEJX)HFGDB J CWB K3CT/ W H
0056104	04041703071104132000	12033425203522200200	04760200141403030200	11521400040414470200	DDOCGIDKP JCLUP2RPB D B LLCGB I/L DD4+B
0056110	03361444020003360100	01140100115130201007	07102000124534252035	22200200047610010667	C3L9B C3A ALA I(XPHGGHP J+IUP2RPB D HAF
0056114	30741665604030423411	04201140041023007737	04541440022003360312	02002314040756001137	X N 5X71IDPI5DHS 4D=L5B C3CJB SLUG, I4
0056120	03041441020003363021	34401400342130203272	34203074167062203040	10120605200020040200	CDL6B C3XQ15L IQXPZ IPX N PX5HJFEP PDB
0056124	22623055100616016370	30130200222056002766	14003401020022036317	27620100115101001261	R X HFNA XKB RP, W L IAB RC OW A (IA J
0056130	30522200017734210511	34243023137734233074	16706220036130533323	12773323342330543424	X)R A 1QE11TXSK ISX N PC X80SJ OS15X-1T
0056134	30741670622057002124	14003401020022031621	02002104041130776010	14003401020022031601	X N P. QTL IAB RCNQB QDDIX HL IAB RCNA
0056140	62100342010013353023	10140710200012453425	20352220020004763021	12770406341114400200	HC7A K2XSHLGH J+IUP2RPB D XQJ DF11L5B
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0056154	57772300200034203021	34015000300234213020	10070707140034243023	13773424031130543424	. S P IPXQIA/ XB1QXPHGGL ITXSK LTCIX-1T
0056160	30231377342330531277	35233074166560401400	34423074166562403021	10120611300110120715	XSK ISX1J 25X N 5L 17X N 5XQHJFIXAHJGM
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0056170	12233425203522200200	047614306340030622200	03770535141434003063	05313400306405263062	J5IUP2RPB D LX1 X R C E2LL X EY1 X EVX
0056174	10110703010017253062	23000400540030102000	02005400300414405400	30055400303101001667	HIGCA OUX S D = XHP B = XDL5= XE= XYA N
0056200	54001600141334012000	00002200400005133701	23001000540016121401	10135400160203613000	= N LKIAP R 5 EK4AS H = NJLAHK= NBC X
0056204	35010503010015221723	06743000041711140407	50001602336254003010	03145000160233635400	2AECA MROSF X D0ILDG/ NBO = XHCL/ NBO =
0056210	30110306500016023364	54003012500120603440	12775400300430401071	54003005300154003031	XICF/ NBO = XJ/AP 15J = XDX5H = XEXA= XY
0056214	0022200677723001000	34203074167062200200	22203074604030343441	30331277344030746240	KRPF S H IPX N PB RPX 5X116XOJ 15X 5
0056220	56002766140034010200	22036317276201001413	30331277100631551006	31340200210404043077	, W L IAB RC OW A LKXOJ HFY HFY1B QDDDX
0056224	61702774302022006777	34203074167062200200	23140413305510061601	63703013560011371466	W XPR IPX N PB SLDKX HFNA XK, I4L
0056230	61703013500027661076	11020503020022201400	34010200220316066170	20535000302005030100	XK/ W H IRECB RPL IAB RCNF P3/ XPECA
0056234	17131071040317330710	20001245342520352220	02000476146661703020	56002766140034010200	OKH DCOOGHP J+IUP2RPB D L XP, W L IAB
0056240	22036317276250002054	33511337335111405400	205440075637020530100	01140000000000000000	RC OW / P=01K40(I5= P=X P5A AL
0056244	0000000020102010320	04400502010417041704	21040710061010100710	07101220020107100710	BABACPD5EBAD0D0DQDGHFHHHGHGHPBAGHGH
0056250	01002103341210633411	30321377100633310466	10061702072216021014	31551006160134141063	A QC1JH 1IXZK HFOYD HFOBGRNBHLY HFNA11H
0056254	34133032137710063331	10060704107132560710	20001143342520352220	02000476301332111014	1KXZK HFOYHFGDH Z,GHP I8IUP2RPB D XKZ1HL
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0056264	31551006315401002202	30531277101407063354	31011071325607571400	03630100221714460200	Y HFY=A RBX1J HLGFO=YAH Z,G.L C A ROL-B

0056270 03361400540030431407 34023074160161023157 14363402500231575402 30445002316054023045 C3L = X8LGI BX NA BY.L318/BY. -BX9/BY -BX+  
0056274 15053502066514203401 30746301303701002217 01002261344030741621 60103013127711030566 ME28F LPIAX AX4A ROA R 15X NU HXKJ ICE  
0056300 02002346140034411407 34421473344330263444 30776240142602000336 03460100231350003013 B S-L 16LGI7L 18XV19X 5LVB C3C-A SK/ XK  
0056304 51003014510030155100 30165100301704635000 30141377510030130555 20001302342520352220 ( XL( XMI XNI XOD / XLK ( XKE P KBIUP2RP  
0056310 02000476010023453011 17011207101134262077 44443512301222000700 35263012120710033526 B D A S+XIOAJGH1VP 992JXJR G 2VXJJGHC2V  
0056314 30131071173335260351 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000 XKH 002VCI  
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0056334 00000000000000000000 00000000000000000000 14000100252230741670 60201400342734013053 L A URX N PL IWLAX5  
0056340 10130724302010070736 30521006060630231237 34533024345414213401 02002203603005430100 02002203603005430100 HKGTXPXGG3XIHFFFXSJ41SXT1=LQIAB RC XEBA  
0056344 26343627302010070726 30210510307416656010 30131373311204102000 30131373311204102000 12453425203522200200 02001200132202000566 B Y7B XYB WB X B YGB J8B ,DB J.8 KRB E  
0056350 04763023127710143124 05641431341702002203 60303033340117310610 20001260342520352220 20001260342520352220 D XSJ HLYTE LY108 RC XX01ADYFHP J IUP2RP  
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0056360 12771014075633341702 07531602107132560647 50003002220074000410 20001325342520352220 J HLG,0108G8NBH Z,F#/ XBR DHP KULUP2RP  
0056364 02000476500030010566 02002754041150002767 13015400276714010100 25222000112134252035 B D / XAE B W=DI/ W KA= W LAA URP IQIUP2  
0056370 22200200047655222026 55465520220526111725 23550522221722550317 16041124111716235522 RPB D RPV - PREVIOUS ERROR CONDITIONS R  
0056374 05230524570000000100 27533075601030111240 037100000000000000000 34221100107300000355 ESET. A W5X HXIJ5C IRI H C  
0056400 02003142020030310200 67270200306102003107 02001202020056040200 12570200132202000566 B Y7B XYB WB X B YGB J8B ,DB J.8 KRB E  
0056404 14000200033630741620 60100200160302002717 02001555020054500200 17225000446012773430 L B C3X NP HB NCB WOB M B =/B DR/ 9 J IX  
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0056414 22060200047601005446 01001201200030323426 34013001107104675026 77753430502677763431 RFB D A --A JAP XZIVIXAH D /V IX/V IY  
0056420 3026170020027553030 44033031540300013001 10023101352621773545 07470200056602001603 XVQB8 W XX9CX=C AXAHBYA2VQ Z+G+8 E B NC  
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0056430 12670454200000000410 22007777050650005111 051105000506034012000 03025400112014003427 J D=P DDR EF/ (IEH/ / IAP CB= IPL IW  
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0056440 17403430162033305400 13573030342731660200 15253030540014672300 13563427343030766010 051XNPOX= K.XXIWY B MUXX= L S K, IWLIXX H  
0056444 30100574307460103010 05743066100654001465 30110537307663361460 14025500147132310616 XHE X HXHE X HF= L XIE4X 3L LB L ZYFN  
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0056520 16550100172150005112 04115000511313373351 13373351540051133055 10065400474210635400 N A OQ/ (JDI/ (KK40(K40(= (KX HF= \*7H =  
0056524 47415000474610145100 47471071540022753056 10065400474710635400 47465000475322007007 \*6/ \*-HL( \*\*H = R X, HF= \*\*H = \*\*/ \*5R G  
0056530 54004753307416256010 30140431301310175400 47601071130754004761 50004766100653004765 = \*5X NU HXLDYXKHO= \* H KG= \* / \* HF5 \*  
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0056554 16026030303054005066 20000106617050733032 55005074106355005073 30311004540050771063 NB XXX= / P AF / XZ / H / XYHO= / H  
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0056564 55005076106351005251 55005075500050703430 14005400507050005060 05125400536554005370 / H ( ) / / / 1XL = / / / EJ= \$ = \$  
0056570 50005367137754005367 30741620617050543002 54005056307463714734 50002620510026210412 / \$ K = \$ X NP /-XB= /, X \*1/ VP( VQDJ  
0056574 30776370261514013411 34121460020003361466 60103025120104030100 2320200000004221006 X VMLAIIILB C3L HXUJADCA SPP DRHF  
0056600 34141063341330565200 22750412071114700200 10633171341114700200 0336200000004213414 0336200000004213414 1LH IKX, ) R DJGIFLJH Y IIL B C3P OQIL  
0056604 50005111520023210413 07123412140034132000 03003411147002000336 14023411145202000336 / (I) SQDKGJ1JL IKP C IIL B C3LBIIILB C3  
0056610 30351712063150352622 04265400236101002360 14160331500051240405 20005124020004423074 X20JFY/2VRDV= S A S LNCY/ (TDEP (TB D7X  
0056614 16356260500051550314 14120312500052441007 07051002062314110302 14060100247620002665 N2 / ( CL LJ C/ )9HGGEHBFSLICBLFA T P V  
0056620 03072006267602000442 20002676540025031421 036150004647010710416 34111703061350004471 CGPFV B D7P V = UCLOC / 9 H DNIIOCFK/ 9  
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0056634 12040453005044220450 30560405500053641007 07422036220602000476 01005621500051120426 JDD5/ 9RD/X,DE/ \$ HGP7P3RFB D A ,O/ (JUV



RA = E, 35700, 76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.44. PAGE 51  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0056640 30741626626050005113 13771006530051122312 34010436230500230433 14003411146202000336 X NV / (KK HF\$ IJSJAD3SE SDOL IIL B C3  
0056644 03255000505412371701 51005056040301001721 14003454345215213550 30713551307562500100 CU/ /-J40A( /,DCA DOL 1-1)MQZ/X ZIX /A  
0056650 01143075637051120372 00100076002200000000 00000000247524012401 00002362236424162421 ALX (JC H R T TATA S S INTQ  
0056654 55220520221105260555 02141703135505222217 22570000552205202211 05260555031005031323 REPRIEVE BLOCK ERROR. REPRIEVE CHECKS  
0056660 25155502010457000000 55172005220124172255 05261103245700005505 0323550522217225517 UM BAD. OPERATOR EVICT. ECS ERROR D  
0056664 16552217141417252457 00003057626017016260 01002716140005113020 12773411302134121443 N ROLLOUT. X. OA A WNL EIXPJ IIXQ1JL8  
0056670 02000336500043140455 50004320335113373351 54004320305754005371 17016336431403433001 B C3/ BLD / 8P0(K40(- 8PX.- \$ OA 38LC8XA  
0056674 01002754340302000560 06030200147550030001 34014003050534015003 00010457340710060653 A W=1CB E FCB L /C A1A5CEE1A/C AD.1GHFF\$  
0056700 10713406140034074003 04035003000134010100 27540100301334001066 35001404601030131014 H 1FL 1G5CDC/C A1AA W-A XK1 H 2 LD HXKHL  
0056704 31143100601003630100 30302000423002002755 14013407300111770513 40032300377705075000 YLY HC A XXP 7XB W LALGXAI EK5CS 4 EG/  
0056710 42361071110105020353 37070100116601003060 20004732020027551071 04652000677602002755 73H IAEBCS4GA I A X P \*ZB W H D P B W  
0056714 10710457305211010457 30743171637170000352 01003106200067760200 27551071045720003116 H D.X)IAD.X Y CJA YFP B W H D.P YN  
0056720 63717000327154004303 10635400430230256336 43020352020005133074 54001462010031411402 Z = 8CH = 8BXU 38BC)B EKX = L A Y6LB  
0056724 34361466606030543457 60203024343514036010 30511237550016201237 10013110342560103010 13L X=L. PXT12LC HX(J4 NPJAHAYH1U HXH  
0056730 55003116301154003117 30521101041130517101 60103013127734371103 0430200030254001114 YNXI= YOX)IADIX.OA HXKJ 14ICDXP CB= IL  
0056734 54001104540011403052 11010422302012773405 51000515603030213406 14003407010031342036 = ID= ISX)IADXP PJ IE( EM XXQ1FL 1GA YIP3  
0056740 22100200047603572036 22070200047620006165 54003071307416206030 16616010303134653010 RHB D C.P3RGB D P = X X NP XN HXY1 XH  
0056744 34253012101207135000 33275400274420000302 54001112540011322000 03025400111054001136 IUXJHJGK/ OW= W9P CB= IJ= IZP CB= IH= 13  
0056750 30121277101433131071 54001273560012722000 03015400305301003223 03450000000000000000 XJJ HLOKH = J, J P CA= XSA ZSC+  
0056754 36221000543600000244 01005443010067460100 54472000545116026010 16016030301334431400 3RH =3 B9A =8A -A =\*P = (NB HNA XXX18L  
0056760 34131466600130342200 57233405200054711602 62101601620150001270 04343033120734015001 1KL AX1R .S1EP = NB HNA A/ J D1X0JG1A/A  
0056764 55775500570630331070 12745500570130331020 4125000536410070604 0200633503102006223 .FXOH J .AXOJHJDJ / HGFDB 2CHB S  
0056770 02005635030302006052 30430417146660102000 2000341034034313040 34143077621014260200 B ,2CCB )X8DOL HP P IHX81KX51LX HLBV  
0056774 03365400535154005366 50005350137754005350 50005367127754005367 01005447000002000300 C3= \$(= \$ / \$/K = \$// \$ J = \$ A =\* P X  
0057000 10300100560350001270 04732000677602002755 10710572036414010100 56200774170207721602 HXA ,C/ J D P B W H E C LAA ,PG OBG NB  
0057004 31011071325606651400 03640100563430560474 50005367137710065100 53660465315510061602 YAH Z ,F L C A ,1X,D / \$ K HFC( \$ D Y HFN  
0057010 60301601601316016003 17036001170160105400 57115400603310635500 57105400603230041071 XNA KNA COC ADA H= .I= OH .H= ZXDH  
0057014 04053013137716003413 30141206210000013414 20000000621030433402 05030100603014103403 DEXKK N 1KXLJFQ A1LP HX81BECA XLHIC  
0057020 20003032540057613043 02006643610330323043 3302051650030325100 30335100303451003035 P XZ= . X8B B CXZX80BEN/ XZ( X0( X1( X2  
0057024 51003036050301006030 30331006315510063134 63703032363410633533 63703032363410633533 ( X3ECA XXOHFY XFY1 XZ31H 200FJ4HLI10G  
0057030 05063004123734333005 34343016323310143117 32340433170104211405 55005761170134014001 EFXDJ410XE11XNZOHLYOZ100OADQLF . OA1A5A  
0057034 04123703040301005753 02006701040301005720 3002344320000001602 62300100563430061237 DJ4CDCA .SB ADCA .PX81P NB XA ,1XFJ4  
0057040 10143107170134341063 34330357010060515400 51245400515554005244 54005400146660106170 HLYGOA11H 10C.A (= (B (= ( = L H  
0057044 51122000400054005377 34103074210001056210 17026010301222006000 34123074210001036210 (JP S = \$ IHX Q AE HOB HXJR 1JX Q AC H  
0057050 50005345127710141100 10065400534520777677 5500507520000005400 53273043340104311410 / \$+J HLI HF= \$+P / P = \$WX81ADYLM  
0057054 34010200664361017047 30742100013063017047 20007112340240020505 15053502370105725002 1AB B A \*X Q AX A \*P J1B5BEEME2B4AE /B  
0057060 00040402360120000130 54005401310154005402 50005404041734125000 54031277341114430200 DDB3AP AX= -AYA= -B/ =DDO1J/ -CJ 11L8B  
0057064 03363013540026203014 54002621146661705403 01006051010062225000 53501377340110065300 C3XK= VPIXL= VQL =CA (A R/ \$/K IAHF\$  
0057070 53470466340210060716 10713256062014666010 36143001100633023155 10066210034623277777 \$\*D 1BHFGNH Z,FPL H3LXAHFOBY HF HC-R4  
0057074 16211071325606241420 34033001100633022277 37773155100663034734 10143255100654004735 NQH Z,FTLPIXAHFOBR 4 Y HF C\*1HLZ HF= \*2  
0057100 10635400473401006222 01006307500053671277 10063155100651005370 03652000263454002503 H = \*1A RA G/ \$ J HFY HFC( \$ C P V1= UC  
0057104 14035200505507035500 50550100633402006524 05615000536410100620 02006310160460303032 LC( / GC / A 1B TE / \$ HHPFB HND XXZ  
0057110 22007377230004003432 02006310160462300350 30140405200026500100 63241420340302006310 R S D 1ZB HND XC/XLDEP V/A TLPICB H  
0057114 16116303473430345400 47353033127754004734 02006310160360301604 60202000020034331063 NI C\*1X1= \*2X0J = \*1B HNC XND PP B 10H  
0057120 34321440343434245400 53473055100616016010 62605000536713771006 51005366043610065400 1ZL5111T= \$\*X HFNA H / \$ K HFC( \$ D3HF=  
0057124 65221063540065210200 63101606637065163010 23002203051730112300 14200513301353006521 RH = QB HNF NXHS RCEOXIS LPEKXK\$ Q  
0057130 05073014530065220503 14666010020063101603 62301602621016026220 30725500536401006331 EGXL\$ RECL HB HNC XND HNB PX \$ A 1  
0057134 03111720000000000000 01006523020063106010 16016030160160203013 34015000536712771014 CIOP A SB H HNA XNA PXX1A/ \$ J HL  
0057140 51005370020056210554 34013013173107503033 12771014313402005621 05643414303213771006 ( \$ B ,OE=1AXKOYG/XOJ HLY1B ,OE 1LXZK HF  
0057144 31311006050301006523 02005621055030321377 10063131100632340741 10633233075130776220 YHFCECA SB ,QE/XZK HFYHFFZIG6H ZOG(X P  
0057150 303314277100631551006 31343412106334113032 13771006313131551006 16013414106334131471 XOJ HFY HFY11JH 1IXZK HFYYY HFNALLH IKL  
0057154 02000336010065230100 66423046100616116010 30131006314610033143 10033114344510633444 B C3A SA 7X-HFNI HXKHFY-HCYBHCYLI+H 19  
0057160 101431450355340431203 34013043107521006672 60105001001034430100 67003046100616076010 HLY+C XBJC1AXBH Q H/A H18A X-HFNG H  
0057164 30111006314610063112 54006673106355006672 50006725540067020340 03620100672620006730 XIHFY-HFYJ= H / U= BC5C A VP X  
0057170 16036010301013773410 14003411200606411603 62100362020002206010 30133446307416216010 30133446307416216010 H NC HXHK 1HL 1EP 6NC HC P BP HXK1-X NQ H  
0057174 02007050020070771601 60031602603016046010 30411014314254006731 54006742540054525400 B /B NA CNB XND HX6HLIY7= Y= 7= -)=-  
0057200 54721063550067305400 67415400545154005471 30341204540012700525 20001400540022233013 = H X= 6= -(= = XIJD= J EUP L = RSXK

0057204 12775500611612771105 05053007220037770304 30232300400054006127 01005443010070473011 J NJ IEEEXGR 4 CDXSS 5 = WA =8A \*XI  
0057210 17011207101134402077 44443512301222000700 35403012120710033540 30131071173335400351 0AJGHI15P 992JXJR G 25XJJGHC25XKH 0025C  
0057214 01007076304610061603 60103040100310063111 10063146100631123442 10633441101431420354 A X-HFNC HX5HCHFYIHFY-HFYJ17H 16HLY7C  
0057220 3422170010730000470 02003005020035430200 53520200260302002532 02002121020020250200 1RO H D B XEB 28B 1JB VCB UZB QOB PUB  
0057224 44163057540070113074 16666000300312775400 71733074162161707000 16506000300010710504 9NX.= IX N XCJ = X NQ N/ X H ED  
0057230 50007003127754007230 14005400722654007227 14666170723320000100 54007004030620007777 / C J = XL = V = WL OP A = DCFP  
0057234 050301001263144003457 02001744200000005400 71740200051314105400 01052000370754000101 ECA J L 1.B 09P = B EKLN = AEP 4G= AA  
0057240 02002372500070113457 30715400677702001366 02001451020014640200 50170200153202001570 B S / I1.X = B K B L(B L B /DB MZB M  
0057244 30576220020024430200 05663005341130062200 37773412300734131443 02000336305211010420 X. PN T8B E XE1IXFR 4 1JXG1KL8B C3X)IADP  
0057250 02002316030414540200 03360200223514033411 1462020033601000114 30540520500011770415 B SBCDL=B C3B R2LCIL B C3A ALX=EP/ I DM  
0057254 14003411140134121421 02000336307416256010 020040564140002002563 3074210001056010310 L I1LA1JLQB C3X NU HXLE L B U X Q AE HXH  
0057260 13773410146660113074 21000105621030576220 17016240305112375500 13613075637013600100 K IHL IX Q AE HX. POA 5X(J4 K X K A  
0057264 01143401120000000000 000101001365300746171 70001401050554007124 54007155200067760200 ALIAJ AA K X LAEE = T = P B  
0057270 22513074317161717000 200067762002022510350 34013055100621001420 61017000307421000130 R(X Y P B RIC/IAX HFQ LP A X Q AX  
0057274 63017000031534013055 10062100143561017000 30742100015063017000 01001365010014502000 A CHIAH HFQ L2 A X Q A/ A A K A L/P  
0057300 14526171700020006776 02002251036501001463 20002477340330265403 77761071040430715403 L) P B R(C A L P T ICXV=C H DDH =C  
0057304 77763003170202002251 20777677352607532000 05003503217741000752 02000566342602002025 XCOBB R(P 2VG\$P E 2CQ 6 G)B E 1VB PU  
0057310 01001465200003025400 12350100153130560470 05001666046514005400 12653074160160601601 A L P CB= J2A MYX,D / I D L = J X NA NA  
0057314 60501616603014003403 20000000040302002167 14666060307560500100 15310100156720003103 /NN XL ICP DCB Q L X /A MYA M P YC  
0057320 54002172500022335400 2177305621776773403 16400200216714666030 20002000343014000200 = Q / RO= Q X,Q ICN5B Q L XP P 1XL B  
0057324 20063074623054001736 3056217767734321620 33325400166330776230 17016370173414020200 PFX X= 03X,Q IZNP0Z= N X XQA O1LBB  
0057330 20063076601030100574 30746010301005743011 04031411342430323403 23001662343230776230 PFX HXHE X HXHE XIDCLI1TXZ1CS N 1ZX X  
0057334 17016370173414020200 20063003162034163055 31031006617170002000 67760200225136033316 OA O1LBB PFXCNP1X YCHF P B R(3CON  
0057340 05640100164430031006 31301071020021673056 17403403164002002167 01001567002400000000 E A N9XCHFHX B Q X,051CN5B Q A M T  
0057344 00000000540071700100 17431466617071753074 21000101601030101204 04621405341030131237 = A OBL X Q AA HXJDD LE1HXKJ4  
0057350 10143114045310143155 10066110717514010344 20000100540016622000 17165400166301002005 HLYLD\$HLY HF H LAC9P A = N P ON= N A PE  
0057354 35342000201032340461 07601011323010110664 10113530036101002024 10406010302610023126 21P PHZ1D G HIZXHIF H12XC A PTLD HXVHBYV  
0057360 21002477540020521402 35106030331104313034 3351237056730106135 20511701335704613357 Q T = P)LB2H XOIDYX101J4E XH 2P(OA.O.O.  
0057364 62601701626014023526 14125500205221774100 07450100202420000000 04201400540020755000 QA LB2VLJ P)Q 6 G+A PTP DPL = P /  
0057370 20525400211330776335 66261702613521121402 35260100202401002120 20000000047362601701 P)= QXK 2 V0B 2QJLB2VA PTA QPP D QA  
0057374 62600367010021312000 36773425340030061006 10714400107521007777 60104000120334013600 C A QYP 3 IUI XFHFH 9 H Q H5 JC1A3  
0057400 23003706040650010010 10060757150044630625 03430100216634163055 24001006617170003603 S 4FDF/A HFFG.M 9 3UC8A Q INX T HF 3C  
0057404 36553433100634611063 34603756343410063451 10633450200022136260 16016250161662302000 3 1OHFI H 1 4,11HF1(H 1/P RK NA /NN XP  
0057410 67760200225130163203 05400100216603230100 22340200223730441337 34443057622017016240 B R(XNZCE5A Q CSA R1B R4X9K419X. POA 5  
0057414 03640100225054002266 34023007160144022300 01060503402504022030 22650200056336072300 C A R/= R 1BXGNA9BS AFEC5U9BPXR B E 3GS  
0057420 01060553340740253406 36254025054530766010 30100574020005660200 21320100225001002315 AFE\$1G5U1F3U5UE+X HXHE B 5 B QZA R/A SM  
0057424 30741625601030140411 14013412140034111421 02000336036330560457 14003412341114210200 X NU HXLDILA1JL I1LQB C3C X,D.L 1J11LQB  
0057430 03360367010023453065 10061603601030451003 10063111100631651006 31123447106334461014 C3C A S+X HFNC HX+HCHFYIHFY HFYJ1\*H 1-HL  
0057434 31470354010023712000 37775400677614775400 67773057040654007011 Y+C=A S P 4 = L = X.OF= IOA XE=  
0057440 70053006540070061427 61707012560070121400 34071601540070072030 67760200056350007007 EXF= FLW J, JL 1GNA= GPX B E / G  
0057444 34070100237101002442 30570404170161737000 14276170701230065400 70073007540070101400 1GA S A T7X.DD0A LW JXF= GXC= HL  
0057450 54006777540067762000 67760200056301002442 00000000000000000000 00000000000000000000 = = P B E A T7  
0057454 00000000010025113074 21000111601014003412 30742100010262601607 62100361440101002531 A UIX Q AI HL 1JX Q AB NG HC 9AA UY  
0057460 20007074340114056010 37116030331004643051 33301237057030301337 11373430301162303210 P 1ALE H4I XOH D(X0XJ4E XXX4141XXI XZH  
0057464 44013601035601002562 34013074162260103012 10663402300134123074 16226210300203600100 9A3AC,A U IAX NR HXJH 1BXAJX NR HBXC A  
0057470 26023037110405045000 11660470140460103011 32101677107116053127 1561017510011771003 VBX410ED/ I D LD HX1ZHN H NEYW,HOI I HC  
0057474 54003003106354003002 30776335277214013412 14023411146002000336 14426010500030021277 = XCH = XBX 2W LA1JLBI1L B C3L7 H/ XBJ  
0057500 34131014530030033414 32111056040214131103 34125000117704123056 2177677060614760200 21777677060614760200 IKHL\$ XCILZIH,DBLKIC1J/ I D,X,Q FFL B  
0057504 03360100274414003411 14550200033630113405 35203014342124003406 04260200051330141003 C3A W9L I1L B C3X1E2PXL1QT 1FDVB EKXLHC  
0057510 16203272540021451063 55002144500001065400 22615400227302002132 01002602305212010413 NPZ = Q+H Q9/ AF= R B QZA V8X1JADK  
0057514 20004135341520330406 02000476020025121401 02002563040414470200 03361402010012740002 P 621MPODFB D B UJLAB U DDL\*B C3LBA J B  
0057520 01324430000000001000 013200440000000000100 30041400342714023435 3426305621776775400 AZ9X A AZ 9 A XDL 1WL8121VX,Q  
0057524 15551403601030511237 10013110603034363030 55001452303154001453 30741620604016026010 M LC HX(J4HAYH X13XX L)X Y= L3X NP 5NB H  
0057530 16046003163660601606 60302000030234173041 11200520570013723017 54001233540012355400 ND CN3 NF XP CB10X6IPEP. K XQ= JO= J2=  
0057534 12635400110454001116 54001231300305113012 22007000314231410503 30333334053330311006 J = IO= IN= JYXCEIXJR Y7Y6ECX001EQXHF  
0057540 06303052110104253074 2100010601016016040 30400515301010170712 307416706030030331377 FXX)IADUX Q AA HNA 5X5EMXHHGJX N XXOK  
0057544 31320503540011663074 1601540022141620403043 16446010162160403043 12010412200010415400 R(XE = I X NA= RLNT XN9 HNQ 5X8JADJP LA=

0057550	36453743307421000112	62403034540020115400	11770507305654001555	30175400123530103457	3+48X Q AJ 5X1= PI= I EGX,= M X0= J2XH1.
0057554	30613162316331640402	14403403146660603011	04151701613524773052	11010504305310200604	X Y Y DBL51CL X10MOA 2T X1IAEDX\$HPFD
0057560	30115400212330741621	60403003344430431277	34373052110104163037	11030513307411506010	XI= QSX NQ 5XC19X8J 14X1IADNXC1CEKX / I
0057564	3011101406032003766	15010334301754001104	54001116540012313036	61357050305705021467	XIHLFCB 4 MAC1X0= ID= IN= JYX3 2 / X.EBL
0057570	17016135706230521101	04373037110404063074	10670527010035272136	22210200047620000220	OA 2 X1IAD4X4IDDFX H EWA 2W03RQB D P BP
0057574	60103013346530741621	60100200407514103402	02002346610272400100	30043053101706145000	HXK1 X NQ HB 5 LH1BB S- B 5A XD\$XHUFL/
0057600	35415400132630175400	12235400123301003456	30742100010160301601	60103011101607173013	26= KVX0= JS= JOA 1,X Q AA XNA HXIHNGOXX
0057604	12371014331404125400	14211063550014202000	14205400141430301017	06203033123710143334	J4HL0LDJ= LQH LPP LP= LLXXHOFPKXJ4HL01
0057610	04131601540014361063	55001435200014045400	14313011101507053055	10061601626030540413	DKNA= L3H L2P LD= LYXIHMGEX HFNA X-DK
0057614	54001555325607043056	54001555301754001235	30175400122554001231	54001110305310200706	= M Z,GDX,= M X0= J2X0= JU= JY= IHX\$HPGF
0057620	30175400122754001114	3053120110155003624	20001405540036451704	54003647301754003654	X0= JH= ILX\$JAIA 3TP LE= 3+0D= 3*X0= 3-
0057624	50003764540036642000	34225400271420003103	54002172500022335400	21770100300403150100	/ 4 = 3 P IR= MLP YC= Q / RO= Q A XDCA
0057630	35421466602030520415	14003442344320470415	34401071137734413053	10200603305705272000	27L PXIDML 1718P*DM15H K 16X\$HPFCX.EWP
0057634	40773420200041353415	20330206020004762400	06030100374530521101	05042000740034201400	5 IPP 621MPOBFB D T FCA 4+X1IAEDP IPL
0057640	34443051123731442300	01003444305204131400	35433053101706062000	14003544550011613074	19X(J4Y9S A 19X)DKL 28X\$HOFPP L 29 I X
0057644	16226010164060301601	60033011342430563423	30201377342050001177	34223074167160103012	NR HNS XNA CX11TX,15XPK IP/ I IRX N HXJ
0057650	10130627301434243013	34223012100634202000	03003544140034143413	30122200760034123074	HKFWXL1TK1RXJHF1PP C 29L ILIKXJR 1JX
0057654	21000071621003103024	21770014070430741076	34203033040434231400	34333434300604043422	Q HCHXTO LGDX H LPXODDLS 1011XF0D1R
0057660	14003406340730741662	62301601620301003542	30521201040402002512	14010200256304041447	L 1F1GX N XNA CA 27X1JADDB UJLAB U DDL*
0057664	02000336140201001274	03360100376530741121	61704123117261704130	11306170413550004135	B C3LBA J C3A 4 X IQ 6S1 6XIX 6Z/ 62
0057670	13771101540041352000	41235400413620004142	34152033012502000476	17020741570040573401	K IA= 62P 6S= 63P 67MPOAUB D OBG6. 5.1A
0057674	06141400341114660200	03362004406002000442	01003765370107465000	01125400405100000576	FLL 11L B C3PD5 B D7A 4 4AG-/ AJ= 5I E
0057700	14000200033603640010	01252322565535344444	33355736354025162423	5700000010040743011	L A B C3C HAUSR, 219902.325UNTS. A 5 XI
0057704	17011207101134452077	44443512301222000700	35453012120710033545	30131071173335450351	OAJGH11+P 992JXJR G 2+XJJGHC2+XKH UO2+C
0057710	36222000440400000403	01004411010066410100	44153027343004060200	51413030337104130200	3RP 9D DCA 9IA 6A 9MXW1XDFB 16X00 DKB
0057714	52363030337104065000	11660503020023162000	70005400516354005202	54005223540052543030	13X0 DF/ I ECB SNP = ( = )B= )S= )=XX
0057720	54006275040414205500	46715000467155007263	01004415303413442100	000434340304610143147	= DDLP - / - A 9MX1K9Q D11X-HLY*
0057724	16016370500462101601	62300100450650001177	04112000200055004473	22002000550046713074	NA /D HNA XA +F/ I DIP P 9 R P - X
0057730	16206030166160103032	05343010122404373074	16706010301312773114	04223055100616016030	NP XN HXZE1XHJTD4X N HXKJ YLDRX HFNA X
0057734	30311377100633302304	05160407232004140404	14405500467614405500	46711440550044733046	XYK HFOXSDENDGSPDLDDL5 - L5 - L5 9 X-
0057740	10143147160260101601	60301604600220000000	34111063341050001166	04273002102007213024	HLY+NB HNA XND BP 11H IH/ I DNXBHPGQX
0057744	11010416111004145000	46711230051050004676	22000300050301004470	1445500467130203430	IADNIHDL/ - JXEH/ - R C ECA 9 LD - XP1X
0057750	10063510302134312000	00003412200000003413	50001166040430232100	40003432303422005763	HF2HXQ1YP 1JP 1K/ I DDXSQ 5 LZ1R .
0057754	21000002343430331340	23000000343330461014	31471601637050046210	16016230305734011402	Q B11XOK5S 10X-HLY*NA /D HNA XX.1ALB
0057760	02005306307416706030	303010070603703311070	12011601540050141400	34133305123704133045	B \$FX N XXXHGFXYH JANA= /LL 1KOEJ4DKX+
0057764	34142000200734103077	62101426020003361401	34111462020003361401	34111437020003363011	1LP PG1HX HLVB C3LA11L B C3LA11L4B C3XI
0057770	05132000022260103011	23007776050402005066	05041444020003360100	01140000000000000000	EKP BR HXIS EDB / EDL9B C3A AL
0057774	00003424170100000000	00000100501630065400	46513007540046542000	62740200225130270423	ITOA A /NXF= -XG= --P B R(XWDS
0060000	02005141302704062000	67760200225103670200	52363030540067772000	67760200225102005257	B (6XWDFP B R(C B )3XX= P B R(B ).
0060004	30715400677701005016	01005065304554005015	54005137304610143347	16076010301010200721	X = A /NA / X+= /M= (4X-HLO*NG HXHHPGQ
0060010	10110606500050141207	170207055000046711015	06063075637050111401	03413077637051331426	H1FF/ /LJG0BGE/ - HMFXX /1LAC6X (OLV
0060014	02000336037020010000	00000000000001005140	30713430372705052000	00003430046657005234	B C3C PA A (5X 1X4EEP 1XD . )1
0060020	07153066100631551006	316761306276300303567	10633566034720000100	34313066100631551006	GMX HFY HFY X XX2 H 2 C*P A 1YX HFY HF
0060024	31676131627630303231	07563432041530311002	31315500522320005215	10143155100661326276	Y Y XXZYG,1ZDMXYHBY YISP JMHLY HF Z
0060030	20005224313234671063	34660100514000000100	523514000447434013530	32013400100231005500	P JTYZ1 H I A (5 A )2L D 1AZX21 HBY
0060034	525430741703061016276	03570100525620000000	04733401540067771063	3402300100630741630	)=X NX A C.A )P D IA= H IBXADFX NX
0060040	31026101700020006776	02002251035214020100	53055400531220005311	34123001341114420200	YB A P B R(C)LBA \$E= \$JP \$11JX11L7B
0060044	03363011046217020457	30713402370207601400	02000336307416206010	50000112540053430000	C3XID OBD.X 1B48G L B C3X NP H/ AJ= \$B
0060050	05763011112204540356	01005351307416706010	30131377100631121006	04143417106334163054	E XIRD=C,A \$(X N HXKX HFYJHFDL 10H INX-
0060054	05002200567405041410	55004671307416656010	30131237101431140504	02006250040734171063	EGB , EDLH - X N HXKJ4HLYLEDB /DGI0H
0060060	34160200567404030100	55330200555430333211	10143134321206071006	31133207101431143210	INB , DCA OB =XOZIHLY1ZJFGHFYKZGHLYLZH
0060064	34011071160134273001	12775400514730133211	10143114321234011701	10715400523430011277	1AH NAIWXAJ = (*XKZIHLYLZJIA0AH = )1KAJ
0060070	04035400517230105400	52165400522530075500	52155400522430113466	30123467301610063155	DC= (XH= )N= )UXG )N= )TXI1 XJ1 XNHFY
0060074	10063117601030141017	06161003130111013414	30161006315510063117	62101603623003031400	HFYO HXLHOFNHCKAIA1ALXNHFY HFYO HNC XCCL
0060100	34273054050450001166	05100200577550001166	05035400262201005351	01005553500046711210	1WX=ED/ I EHB . / I EC= VRA \$IA \$/ - JH
0060104	05725000116604673016	10063155100631176000	30041224112404553033	34013403303434023404	E / I D XNHFY HFYO XDJTITD X0IAICX11BD
0060110	03343702060336023701	30013207101431023210	06063013340130143402	03613001100631551006	C14BFC3B4AXAZGHLVBZHFFXK1AXL1BC XAHFY HF

0060114 31026060306404343001 34333002343432121006 31333211054030113203 10143112320406071006 YB X D1XA10XB11ZJHFYOZIE5XIZCHLYJZDFGHH  
0060120 31133207101431143210 17010505300334333004 34341466606001005553 01005673301610143317 YKZGHLVYLZHOAEEXCLOXD1LL A SA, XNHLOU  
0060124 16051071325607031401 03653016100631551006 31171604601017016006 17016030170160043013 NEH Z,GCLAC XNHFY HFYOND HOA FOA XDA DXK  
0060130 12373413101431141701 10713256065030113213 10143112321406423007 12373407301132071014 J41KHLVLOAH Z,F/XIZKHLVJZLF7XGJ41GXIZGHL  
0060134 31123210071530333213 10143134321406073033 32071014313432100603 01005704140001005673 YJZHGMOXZKHLYI2LFGXOZGHLVIZHFCA .DL A,  
0060140 01005774140534013074 16306101677630461014 31471607601030131277 34101105040530540503 A .LE1AX NX A X-HLY\*NC HXKJ 1HIEDEX=EC  
0060144 54006776200667773401 140034025000607760424 14013430360240010420 3601363011050502613030 = P 1AL 1B/ DTLAIX3B5ADP3AXIEE 1X  
0060150 30021105056554007026 307416346637070220323 36011400440136001704 07723002170134001002 XBIEE = VX N1 RCS3AL 9A3XODG XBOA1 HB  
0060154 31005500607730741630 31006370677630101701 07361704063430741650 60101607603030776230 Y X NXY XHOAG3ODF1X N/ HNG XX X  
0060160 160162210140434111452 02000336307761706174 500061774041030741630 31026373617014033502 NA HLD1IL1B C3X / DHX NXYB LC2B  
0060164 30020425100051473102 34011071050330020313 30011277540052613077 52005147550052613077 XBDU/ (\*YB1AH ECXBCKXAJ = ) X ) (\* ) J  
0060170 55005237010057740011 7412232225553333333 3333573333335251624 235755555550003055 14A . I JSRU 000000.000 UNTS. X  
0060174 10062100000060113016 12773416020056740525 30161006315510063117 0100200655504120200 HFQ KXNJ 1NB , EUXNHFY HFYO HB DJB  
0060200 6606051150064171201 05055600650701006434 14000100624714046030 63273014335112370523 FEI/ OJAE, GA 1L A \*LD XCXKLO1J4ES  
0060204 30301601600330031071 11740403570065013003 12771175041402006606 05035600641714023530 XXNA CXCH I DC. AXCJ I DLB FEC, DLB2X  
0060210 60103331054503143030 61707500140555006312 54006324230076200557 54007500140134013601 HOYE+CLXX LE J= TS PE.= LA1A3A  
0060214 11640503010062473055 10063101601030100470 30131237101433140460 16051071325606543400 I ECA \*X HFYA HXHD XKJ4HLOLD NEH Z,F=1  
0060220 30131237341610143314 34171014315510066010 16016030301312773114 05063400303334163034 XKJ41NHLOL1OHLY HF HNA XXXJ YLEF1 X01NX1  
0060224 34173016123734161006 31551006311760100200 65550421020066060506 14000504560065070311 10XNJ41NHFY HFYO HB DQB FEFL ED, GCI  
0060230 30000512305510063101 60133400034502005674 04030100632730113233 10143112323404703016 X EJK HFYA K1 C+B , DCA WXIZOHLVJZ1D XN  
0060234 10063155100631176170 66265000663112031014 51006632106505515000 HFY HFYO V/ YJCHL( ZH E( ZHOGOR A  
0060240 0542200000007102177 77770410060414760200 03361400550020751404 55006632301610063155 E7P GHQ DHFDL B C3L P LD ZXNHFY  
0060244 10063117637066262000 15005400663250006631 13775400663114666170 66331475540066331405 HFYO VP M = Z/ YK = YL OL = OLE  
0060250 54006637301610143317 01006247140101006554 14003402500275000470 33100516500275013311 = 4XNHLODA +LAA =L 1B/ B D OHEN/B AOI  
0060254 05125002750233120506 50027503331313770452 14053502035301006605 30102300172505723011 E1/B BOJEF/B COKK D1LE2B3A EXHS OUE XI  
0060260 23002420056630122300 25240562301313770357 30366135705030570502 14671701613570620100 S TPE XJS UTE XKK C.X3 2 /X.EBL DA 2 A  
0060264 44112000450754002237 30741650601016156030 30301071550047323054 05143010220024000410 91P +G= R4X N/ HNM XXXH \*ZX=ELXHR T DH  
0060270 10650402140311021006 55004676500025050416 54004605500025041277 55004604307763702477 H DBLCIBHF - / UEDN= -E/ UDJ -DX T  
0060274 17016170500430741662 60103011540050103210 17010704140054005010 30741665603016106010 OA /DX N HXI= /HZHOAGDL =/HX N XNH H  
0060300 30110200700654006476 10635500647530301277 10143131043216015400 62121071325607062000 X1B F= H XXJ HLYYDZNA= JH Z,GFP  
0060304 031154005040703173156 10715500621130715400 63252000620754006326 16375400644001006626 CI= =GCOY,H IX = UP G= VN4= 5A V  
0060310 15000100700512071107 04721107100321000010 03660000000000000000 36222100440400000043 M A EJGIGD IGHC HC 3RQ 9D 8  
0060314 01004411140054001164 20004424540022370366 01004423500011660573 30461014314716026030 A 9IL = I P 9T= R4C A 9S/ I E X-HLY\*NB X  
0060320 62601601601014033514 50001177040420002000 351430461101431471603 62102000200034303045 NA HLC2L/ I DDP P 2LX-HLY\*NC HP P 1XX+  
0060324 34343077623014260200 03363074166660103013 12773411117704061423 34131457020003363057 11X XLVB C3X N HXKJ 111 DFLS1KLB C3X.  
0060330 62601701626020002511 34301402343132260703 01001273503000041071 11110427303054004535 OA P U11XLB1YZVGA J /X DH 1I0WX= +2  
0060334 14023401307763014534 17013457140154004661 20004662341520330406 02000476010046472077 LB1AX A+10A1.LA= - P - 1MPODFB D A -\*P  
0060340 44444530207744445530 00014030137710033445 40301207100635455030 0001377107435455030 99+XP 99 X A5XK HCI+5XJGHF2+/X AK H 2+/X  
0060344 00011207354502002346 16026010160160033010 13775130000534105030 00063411503000111020 AJG2+B S-NB HNA CXHK (X E1H/X F11/X IHP  
0060350 07103007220036562300 40013407030420777600 35073046101431471602 62101601620314123530 GHXGR 3,S 5AIGCDP 2GX-HLY\*NB HNA CLJ2X  
0060354 14023531332604030100 45210100127300000000 20061500107300000710 01001615000000000000 LB2YOVDCA +QA J PFM H GHA NM  
0060360 00000000000000000000 00000000000000000000 00000000000000000000 00000000000000000000

0060374 00000000000000000000 00000000000000000000 00000000000000000000 000000770020000000000 P  
0060400 00000000000000000000 00000000000000000000 00000004113400010000 000100000000000000000  
0060404 00000000000000000000 00000000000001001261 30551006210000000371 01001270306034112000 A J X HFQ CA J X IIP  
0060410 00003412140334131457 02000336036314033411 14510200033630110404 14760200033650001243 1JLCIKL.B C3C LC1IL1B C3X1D0L B C3/ JB  
0060414 04143457140154001503 20001504341520330406 02000476307763731355 14023411140034121460 DL1.LA= MCP MD1MPODFB D X K LB1IL 1JL  
0060420 02000336030414360200 03360100011400160076 00220000000000200052 00240000000000003433 B C3CDL3B C3A AL N R P ) T 10  
0060424 50001367340140013432 12033402010214020300 03130307203620100200 04760200127102000566 / K 1A5A1ZJC1BABLBCGCKCGP3PHB D B J B E  
0060430 03670200127103640000 0000000000001001425 54001433307763701432 17016040304313773443 C B J C A LU= LOX LZOA 5X8K 1B  
0060434 14003444036101001444 14003402500214660400 53001635040414023302 036750002146734020102 L 19C A L9L 1B/BL D = N2DDL2B2C /BL 1BAH  
0060440 00001710207436513750 2447267752522110000 01001477140034033402 04030006107521007777 QHP 3(4/T\*V )]]I A L L 1C1B1 XFH Q  
0060444 60103006120334015001 00101006061210713406 50000106350310633502 36000353107134073503 HXFJCI/A H HFFJH 1F/ AF2CH 2B3 CSH 1G2C  
0060450 10633502360001001477 02001271020012626010 16016040146660203014 22001776110134143013 H 2B3 A L B J B J HNA 5L PXL R O IAILXX  
0060454 13773413307134223041 10060605020012621606 62200200126262100100 13050100160150001120 K 1KX 1RX6HFFEB J NF PB J HA KEA NA/ IP  
0060460 04032000000521001113 02001426036414003457 30741621617025705000 2573127754001223052 DCP EQ 1KB LVC L 1.X NQ U / U J = JSXJ

0060464 12770404345217220703 01002667020045730200 32460200304204165000 25671103050402001367 J DD1JRGCA V B + B Z-B X7DN/ U ICEDB K  
0060470 04472000131754004053 01004040303312375400 11023425101431340504 02001367006354001103 D\*P KO= 5\$A 55X0J4= 1BLUHLV1EDB K = IC  
0060474 34265052262310160607 30441016071102001367 00431001061230441017 06705000114404043044 1V/VSHPNFGX9HNGIB K 8HAFJX9HDF / I9DDX9  
0060500 10110662305211120513 50001151041020001151 02001426020047620421 02001262617011135000 HIF X1JEK/ I(DHP I(B LVB \* DOB J IK/  
0060504 11161377540011162000 11130200142602004762 05040200136700375000 11200410200011200200 INK = INP IKB LVB \* EDB K 4/ IPDH IPB  
0060510 14260200476204635000 11243400123717100704 02001367005730001071 02001367005730001071 12371703067002003102 LVB \* D / IT1 J4OHGDB K .X H J4OCF B YB  
0060514 02003507076320001144 02005022540012240720 10031605602016106010 30101016060402003053 B 2GG P I9B /R= JTGPHCNE PNH HXHHNFDB X\$  
0060520 04050331020013670063 50001144047250002567 12010466500025671202 05620200310205030100 DECYB K / I9D / U JAD / U JBE B YBECA  
0060524 40541210047402001367 01435000114405030100 23145000124154002141 50001240127723002300 5=JHD B K A8/ I9ECA SL/ J6= 06/ J5J S S  
0060530 54002140500005153105 60073007101106213013 10031616601330131207 16341014331210062300 = Q5/ EMYE CXGHIFQXKHCCNN KXKJGNHLOJHFS  
0060534 21400404020013670047 30200503010022525052 26231202050750001125 04042000112503032000 Q5DOB K \*XPECA R1/VSJBEG/ IUDDP IUCCP  
0060540 11060200142614003401 30231377342350011245 53010020043050522623 1214043010020475052 IFB LVL IAXSK 1S/A 5\$A PDX/VSJLDCA P\*/  
0060544 26231202053250001125 0527307762206170100 02003507060702001367 00573601110405412000 VSJBEG/ IUEWX P IUB ZGFG K .3AIDE6P  
0060550 11440200502254001224 06100100205202001602 02001367001350000515 31056010301010110634 I9B /R= JTFHA P1B NBB K K/ EMYE HXHHNFI1  
0060554 02003102052150522623 10140625020030530522 50002567110305040200 13670063010040541210 B YBEQ/VSJLDFB X\$ER/ U ICEDB K A 5=JH  
0060560 05653012120105040200 13670143020027125052 26231015060302004260 02004173305211050403 E XJJAEDB K ABB WJ/VSJHFCB 7 B 6 X1IEDC  
0060564 20000023230011060200 41142004257502000442 50522623101306112000 01205400257520042575 P SS IFB 6LPDU B D7/VSJHFKIP AP= U PDU  
0060570 02000442505226455500 13665000114404041401 55001366500011250404 14015500136650001102 B D7/IV+ K / I9DDLA K / IUDDLA K / IB  
0060574 32455000110334261466 60205000125112020407 14666013007421000102 62105052262310140623 1U/ IC1VL P/ J1BDGL HX Q AB H/VSJHLS  
0060600 50001243601017016030 30101377336034102077 74773534500012436210 1701623003350001251 / J8 HOA XXHK O IHP 21/ J8 HOA XCO/ J1  
0060604 12020427307416746010 30145400537230131277 23002100540053713060 54005373200053743415 J8DMX N HXL= \$ XKJ S Q = \$ X = \$ P \$ IM  
0060610 20332206020004763052 11040505203620050200 04761101041350001125 04100200313105035400 PORFB D X1IDEEP3PEB D IADK/ IUDB YVEC=  
0060614 12210200440620001144 02005022060301002047 54001224300554001235 30065400127520001400 JOB 9FP I9B /RICA P\*= JTXE= J2XF= J P L  
0060620 34325052262310100707 02001602203620010200 04762036201102000476 56550000570000000000 1Z/VSJHGG B NBP3PAB D P3P1B D , .  
0060624 00000000000000002320 30305655000023260724 20070324201522200120 04606124030725012301 SPXX, SVGTGCTPMRPAPDFATCGUASA  
0060630 23062304040401230724 00000000103116000000 0000002103010201265 12600001326030002000 SFSDDASGT HYN BXHNP J AZ X P  
0060634 30202000326412000000 00010001000100010001 00010024000400040001 00010001000100010001 XPP Z J A A A A A T D D A A A A A  
0060640 00010001200053670200 04421436020003360100 01142000540003662000 54130363200054260360 A AP \$ B D7L3B C3A ALP = C P =KC P =YC  
0060644 01002711300534603411 30521111051450001123 12771101050750002622 05600200136700431425 A WIXE1 IIX1IEL/ ISJ IAEQ/ VRE B K 8LU  
0060650 34131457020003363011 12370533305211200406 11240404020052420703 01002711500025671103 IKL.B C3XIJ4EOX1IPDFITDD 7GCA WI/ U IC  
0060654 05133074162260102000 77603211060402001367 04230100404010150630 50001224100316046010 EKX NR HP ZIFDB K DSA 55HMF/ JTHCND H  
0060660 301313773111131123110 54001422200000765400 14242000036054001423 02001367206314045400 XXX Y1YJYH= LRP = LTP C = LSB K P LD=  
0060664 14222000030054001423 02001367207301003041 14023411145102000336 30110367010030521404 LRP C = LSB K P A X6LB1L(B C3XC A X1LD  
0060670 60401402354006103341 04673014335112370567 30401601601030103305 12770560150003521400 5LB25 HO6D XLO(J4E X5NA HXHOEJ E M C1L  
0060674 01003101307421000102 60103010056730120465 12020404020013670223 50001251130211025400 A YAX Q AB HXHE XJD JBDD B K BS/ J(KBIB=  
0060700 12513012035101003130 23001125020014263077 63701106170160103013 13773413140034013601 I(XJXC(A YXP IUB LVX IFOA HXKK IKL I3A3A  
0060704 11050455500100073402 23004747046713770412 30025301003713770540 30021147127704543002 IED /A G1BS \*\*D K DJXBSA 4K ESXB1\*J D=XB  
0060710 53010037127704470365 01003202302612072300 10005400321314012400 54001225302510143326 \$A 4J D\*C A ZBXVJGS H = ZKLAT = JUXHLOV  
0060714 2140007707052000400 55001225500012231100 05105000262204052000 20005500122501003202 Q5 GEP 5 JU/ JSI EH/ VRDEP P JUA ZB  
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 0061734 34061400340703675000 12160100441701004507 34133006220037773412 30053411144302000336 1FL 1GC / JNA 90A +G1KXFR 4 1JXE11L8B C3

RA = E,35700,76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.47. PAGE 58  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

0061740	03630100452434060200	46260472020013670170	01004535340602004626	04720200136701710100	C A +T1FB -VD B K A A +21FB -VD B K A A
0061744	45461400341334143005	34113006341214550200	03363014036201004564	34035003777534065003	+ -L 1K1LXE1IXF1JL B C3XLC A + 1C/C 1F/C
0061750	77763407020005133003	11000200056306603005	34343034020013670175	01004612341230053411	1GB EKXC1 B E F XE11X1B K A A -J1JXE11
0061754	14033413145702000336	03650100462530053411	30063412140234131457	0200036301104631500	LC1KL.B C3C A -UXE1IXF1JLB1KL.B C3XID M
0061760	34011400020003363074	16206010301105513701	06660350020035000404	02001367001050660011	LAL B C3X NP HXIE(4AF C/B 2 DDB K H/ I
0061764	10060604020013670364	14030200176711030504	14055500111602005241	02002136020034350200	HFFDB K C LCB O ICEDLE INB )6B Q3B 12B
0061770	05663066550047271413	52001222060602001262	16136370010650660036	12775400116304103052	E X *WLK) JRFFB J NK AF/ 3J = I DHX)
0061774	11210505500011630200	546714175200012220606	02001262161763701163	20001113020014265000	I QEE/ I B = LO) JRFFB J NO I P 1KB LV/
0062000	11161277354330521121	04021404111110153374	10133444500012433457	60201701624014005400	INJ 28X)IQDBLDIIHMO HK19/ J81. POA 5L =
0062004	12433630106335273020	12773405117704123027	05100200051350000106	323017010637030301601	J83XH 2WXPJ 1E1 DJXWEHB EK/ AFZXOAF4XXNA
0062010	34141063312734133005	34113021050334111405	34121455020003363020	13773311342030140505	ILH YWIKXE1IXQEC1ILE1JL B C3XPX O1IPXLEE
0062014	30200200136701453021	05033014342120362013	02000476560020572000	37775400240214775400	XPB K A+XQECXL1QP3PKB D , P.P 4 = TBL =
0062020	24033057540024155400	51416220170161702404	20001500540024105400	11173020127754002411	TCX.= TM= (6 POA TDP M = TH= IOXPJ = TI
0062024	34053052112105160200	52673074167160102000	51403457602034113074	16716210020005133014	1EX)IQENB ) X N HP (51. P1IX N HB EKXL
0062030	10032177701754001623	54001510106323002100	54001622540015075000	01065500136110635500	HCQ O= NS= MHH S Q = NR= MG/ AF K H
0062034	13603021540024123406	34221401342314053424	14276170241656002416	14003407020021410200	K XQ= TJFIRLA1SLE1TLW TN, TNL 1GB Q6B
0062040	05130200211714000200	53310503010017053005	02001367024501005240	50660005127755005254	EKB QOL B \$YECA QEXEB K B+A )5/ EJ )=
0062044	30741676601030131277	17000706056130145266	00060655020013670124	01005266307416716010	X N HXKJ O GFE XL) FF B K ATA ) X N H
0062050	30110471345717016020	02005434051430142300	04003414362430571701	62101601622003505000	XID 1.OA PB =1ELXLS D 1L3TX.OA HNA PC//
0062054	51413457602002001367	01140200056614020100	53303403200067760200	05600765360750006776	{61. PB K ALB E LBA \$X1CP B E G 3G/
0062060	23003777055750006777	11770553500070063306	05473401300304225001	70004303051236033601	S 4 E./ I E) FOFE+IAXCDR/A 8CEJ3C3A
0062064	11030570500070034303	13770405020005661501	03233007530001060510	34075000700734061064	ICE / C8CK DEB E MACSXG\$ AFEH1G/ GIFH
0062070	11010304500070073307	04040200056614010100	53303057602017016010	14000100543330776220	IACD/ GOGDB E LAA \$XX. POA HL A =OX P
0062074	30573414140034131456	02000336301104560362	10143400106333725400	54633074167760104000	X.LLL 1KL.B C3XID;C HLI H O = X N H5
0062100	10000712150001005466	34011710067250015513	05533074166560103010	12771014330110063410	H GJM A = 1A0HF /A KE\$X N HXHJ LHOAF1H
0062104	30741665621003530000	00000000000000000000	14201410203620170200	04762036200302000476	X N HC\$ LPLHP3POB D P3PCB D
0062110	20362012020004762036	20070200047620000413	54003676200003255400	37142000677654003541	P3PJ8 D P3PGB D P DK= 3 P CU= 4LP = 26
0062114	30201277340502004265	50001236340602001500	30023427300334302036	20060200047650005717	XPJ 1EB 7 / J31FB M XB1WXC1XP3PB D / .O
0062120	54004046203620070200	04762036200702000476	03052036202002000476	30207505200004135400	= 5-P3PGB D P3PGB D CEP3PB D XWEEP DK=
0062124	36762036200202000476	01005557500011250505	50005717540040463032	05035400400650001224	3 P3PBB D A ./ IUEE/ .O= 5-XZEC= 5F/ JT
0062130	10031603617012141601	60105000114404063010	04041400540037035000	12353460140034473445	HCNC JLNA H/ 19DFXHDQ = 4C/ J21 L 1*1+
0062134	34463461346214666063	30521001340150015721	34315001572034010101	00000325000000005622	1-1 L L X)HALA/A.QIY/A.PIAAA CU ,R
0062140	47134657000056114700	00000000560147375615	46705527466655434773	55237006553346665523	*K-. ,I* ,A*4,M- W- 8* S F O- S
0062144	70665616467356164741	56344670553750230000	00004657000000000000	362002004657000000106	,N-,N*6,1- 4/S -. 3PB -. AF
0062150	01004664013100000200	35000407303631370424	02001367001050660011	10060704020052360325	A - AY B 2 DGX3Y4DTB K H/ IHFGDB )3CU
0062154	02001367002402003500	05040200136700243646	10633545020053760200	513702002566020000566	B K TB 2 EDB K T3-H 2+B \$ B (4B U B E
0062160	20362013020004763020	12773405302134061401	34070200051320002402	34633630106335270200	P3PKB D XPJ 1EXQ1FLA1GB EKP T81 3XH 2WB
0062164	50640200211714000200	50010503010017053005	02001367024402000566	14020100500034031400	/ B QOL B /AECA DEXEB K B9B E LBA / ICL
0062170	34072000677602000560	07633607500067762300	37770555500067771177	055150007000633060545	1GP B E G 3G/ S 4 E / I E( FOFE+
0062174	34013003042150017000	43030512360336011103	05705000700343031377	04040200056615010100	IAXCDQ/A 8CEJ3C3AICE / C8CK DDB E MA
0062200	50000100505530050200	13670174010050632000	04723401140054012404	37010673200037775400	/ A / XEB K A A / P D 1AL =ATD4AF P 4 =
0062204	24021477540024033057	17016170240450002407	13775400240720001200	54002410500012355400	TBL = TCX.OA TD/ TKG = TGP J = TH/ J2=
0062210	24115000123654002412	14276170241601005063	01005136307763701231	17016010500012300415	TI/ J3= TJLW TNA / A (3X JYOA H/ JXDM
0062214	30101014311116071074	52001230070504040200	13670100500012260504	50001227044430660414	XHHLYINGH ) JXGEDDB K A / JVED/ JWD9X DL
0062220	30135266000634130603	36133712301252660005	34123030351310633127	35121063040402001367	KK) F1KFC3K4JXJ) E1JXX2KH YW2JH DDB K
0062224	01043012520012260707	05703013520012270702	05630100513601005235	56003605140054003613	ADXJ) JVGGE KK) JWGBE A (3A )2, 3EL = 3K
0062230	54660003546600045066	00053227101451660006	32300515540036763066	34643065346330303447	= C= D/ EZWHLI FZXEM= 3 X 1 X 1 XX1*
0062234	20003662540035760200	35660505306002001367	01643064050730321101	34325032003303032000	P 3 = 2 B 2 EEX B K A X EGXZIIA1ZZ OCCP
0062240	35015400201202005376	14003445344614000200	17671400040402001367	00500200513702002136	2A= PJB \$ L 1+1-L B O L DDB K /B (4B Q3
0062244	5666002010635660017	02002566306433660404	02002723051230653363	04123035336304043035	, PH OB U O DDB WSEJX O DX20 DDX2
0062250	33650404306502004565	02000566010052350100	53753061540012333062	5400123404554001231	O DDX B + B E A )2A \$ X = JOX = J1X+ = JY
0062254	30465400123203610000	36200400465700000220	01004664037514436010	30101015072002005614	X= JZC 3PD -. BPA = C L8 HXHHMGPB .L
0062260	02000513200067760200	05600717500070063333	04035600503130333406	02000513140002005744	B EKP B E GO/ FOODC, /YXO1FB EKL B .9
0062264	04052000016001005641	50007170101306133052	11130510200020040100	56412000024003735066	DEP A A ,6/ HKFKX)IKEHP PDA ,6P B5C /
0062270	00035300705312770567	50660004530070540562	14023431506600165331	70640553570047633731	C\$ \$J E / D\$ =E LB1Y/ N\$Y E\$. * 4Y
0062274	06675000707513773431	51660025137704253400	30310420340130003331	33013431506600251277	F / K 1Y( UK DU1 XYDP1AX OYOAIY/ UJ
0062300	54007075333154660025	56005072303404070200	53561400040301004742	307762040617070002000	= OY= U, / X1DGB \$,L DCA *7X 5 P



0062304 12005400700402000513 02006123300533600403 02000566300602004613 30053360040730603405 J = DB EKB SXEO DCB E XFB -KXEO DGX IE  
0062310 02004265020005131400 04063034052030650200 45655066002510731234 04101704550051143020 B 7 B EKL DFX1EPX B + / UH J1DHOD (LXP  
0062314 02001367020030521113 04030200213650001260 10200630200546655400 34471400546600055466 B K B X)IKDCB Q3/ J HPFEX = +I\* L = E=  
0062320 00065066005251660053 51660054041650660050 13011101546600500307 30275466000530305466 F/ ) ( ( =DN/ /KAIA= /CGXW= EXX=  
0062324 00060200566702000566 02001271200011130200 14263066550052101413 52001222060602001262 FB , B E B J P IKR LVX )HLK) JRFFB J  
0062330 16136370010630521113 04105000126012355400 53330100527620001400 54005316020012621601 54005316020012621601 NK AFX)IKDH/ J J2= 30A ) P L = 3NB J NA  
0062334 60103013127710063155 10060604020013673057 31141620170110713255 32560666306654005267 HXKJ HFY HFFDB K X.YLNPOAH Z Z,F X = )  
0062340 14203401301312771006 31551006311463010000 50001260123511025400 53335000124334576020 LPLAXKJ HFY HFYL A / J J2IB= 30/ J81. P  
0062344 14005400124330201377 51001256342050660010 34213422140134231405 34243051123721001200 L = J8XPK ( J,LP/ H1QIRLA1SLEITX(J40 J  
0062350 344413775440011172000 00005500111634433057 62201701624050001256 34111416341314570200 00115103000205030200 19K = IOP IN18X. POA 5/ J,IILNIKL.B  
0062354 03360100154401005355 20007177340350007170 22000132343241035103 00020503140203543032 00015103000205030200 C3A M9A \$ P 1C/ R AZI26(C AIC BECB  
0062360 55455000112412373401 02005561305211130510 20000100550071701402 55077776500155343431 +/ ITJ41AB X)IKEHP A LB G /A IIV  
0062364 04030131000014540100 56413032410351030001 51030002052614325500 71705607777601005355 DCAY L=A ,6XZ6C(C AIC BEVLZ ,G A \$  
0062370 30325103000151030002 05111412036230325103 20007177340350007170 22000132343241035103 10130604200023600303 XZIC A(C BEILJC XZIC BECLBC=XZHKFDP S CC  
0062374 20000004010056413032 12320571140254005511 54005516540055205003 55102300777704555603 P DA ,6XZJZE LB= I= N= P/C HS D ,C  
0062400 55155607551701005355 30321220055203533032 12300546140103465430 5476545654760005446 M,G DA \$ XZJPE(C)XZJXE-LAC-X= =, =-  
0062404 55235527010055441400 54007202540072075400 72145400722103640100 55602000012360103014 S WA 9L = B= G= L= QC A P AS HXL  
0062410 05023614100231142100 7177340750077750560 30071702540056061466 61705605301054077775 EB3LHBYLQ 1G/G E XG0B= ,FL ,EXH+G  
0062414 03450100561302000513 14000572560056173014 10031620327254001510 10632300210054001507 C+A ,KB EKL E , ,OXLHCNPZ = MHH S Q = MG  
0062420 02001500035254005665 30330200461350001256 54001424500012575400 14222000036054001423 B M C)= , X0B -K/ J, = LT/ J, = LRP C = LS  
0062424 30200200136700040100 56663052111304040200 34350370500011241237 11000405110204031107 XPB K DA , X)IKDB 12C / ITJ4I DEIBDCIG  
0062430 05171427601050000012 54660040500000135466 00415000001454660042 30650200456503443033 EDLW H/ J= 5/ K= 6/ L= 7X B + C9X0  
0062434 02004613302002001367 01740200056614020100 57433403140034072000 67760200056007633607 B -KXPB K A B E LBA .81CL 1CP B E G 3G  
0062440 50006776230037770555 50006777117705515000 70063306054534013003 04215001700043030512 / S 4 E / I E( / FOFE+1AXCDQ/A 8CEJ  
0062444 36033601110305705000 70034303137704040200 05661501010057430100 60205100051560003004 3C3AICE / C8CK DDB E MAA .8A P( EM XD  
0062450 10031604617061155000 61201377331054006120 14056000300232003405 37050751510005156000 HCND M/ PK OH= PLE XBZ IE4EG(C EM  
0062454 3000107112411400566 30031006076330041003 16156010170760111702 60123010220010300547 X H J6I5E XCHFG XDHCNM H0G I0B JXHR HXE+  
0062460 30111007074414123407 50076103430705663607 11106517300401006020 00000000000000000000 XIHGG9LJ1G/G C8GE 3GNE XDA P  
0062464 0100612220003775400 67761477540067773057 04065400701117016170 70003005540070053006 A RP 4 = L = X.DF= I0A XE= EXF  
0062470 54007006142761707012 56007012140034071601 54007007200067760200 05630603010057315000 = FLW J, JL 1GNA= GP B E FCA .Y/  
0062474 70073407010061220000 36200700465700000201 01004664200035013445 54002012013100000200 G LGA R 3PG -. BAA - P 2AI+= PJAY B  
0062500 13670010020035000572 14000200176750660011 10060707020027230200 54370100154200005362 K HB 2 E L B D / IHFGG WSB =4A M7B \$  
0062504 14005466000554660006 54660003546600040200 51170100154402003500 04040200136700105066 L = E= F= C= DB (0A M9B 2 DDB K H/  
0062510 00241071110205040200 13670054307763701125 17016170110614003446 50660012346150660013 TH IBEDB K =X IUQA IFL 1-/ J1 / K  
0062514 34623161041002002261 30460404020054020311 20002400540025545400 25550200167402005437 I Y DHB R X-DDB -BCIP T = U== U B N B =4  
0062520 01001542020013670010 200062710200054622000 11773401145202005576 04040200136704105000 A M7B K HP B = P I 1AL)B DDB K DH/  
0062524 11765366005112770567 50660011100606455066 00525166005351660054 04275066005012010523 I \$ (J E / IHFF+/ ) ( ( =DW/ /JAES  
0062530 50660050120605220200 53621400546600105066 00251277546600250200 51170100154402001367 / /JFERB \$ L = H/ UJ = UB (0A M9B K  
0062534 04240200136704300100 51160200543702001271 02000566506600251277 04133410500011471277 DTB K DXA (NB =4B J B E / UJ DK1H/ I+J  
0062540 02005674060402001367 00672000514402004536 02000513144360103010 12201120043650000515 B , FDB K P (9B +3B EKL8 HXHJPIP3/ EM  
0062544 31056010301410031620 32725400151010632300 21005400150702001500 02000513200067760200 YE HXLHCNPZ = MHH S Q = MGB M B EKP B  
0062550 05600715500051453406 53007006040356005273 14000200561704115000 51450200461330600200 E GM/ (+F\$ FDC, ) L B ,ODI/ (+B -KX B  
0062554 13670162500071701277 11320503540052735000 70531277101453007054 23005251051514023431 K A / J IZEC= ) / 3J HL\$ -S )IEMLBIV  
0062560 50660016533170640506 57005257373106670303 56005273200000000405 20004000550070755000 / N\$Y EF. ) .4YF CC, ) P DEP 5 /  
0062564 71701232510071775100 72005100720104205000 71701140540071700200 05130200577602000566 JZ( ( ( ADP/ I5= B EKB . B E  
0062570 30060200461303170200 05665000527305673005 23004000341130063412 14430200033650005273 XFB -KC0B E ( ) E XES 5 IIXF1JLB C3/ )  
0062574 04053005020013670243 01005116010053615066 00031277550052515066 00045400525250660010 DEXEB K B8A (NA \$ / CJ )( / D= ) ) / H  
0062600 54005145036001005401 30461605540054301427 60105000112412173400 50460006137731003411 = (+C A -AX-NE= XLW H/ ITJDI /- FK Y I I  
0062604 50460005341030776210 61705427304502004565 01005401010054361427 60103012546600333013 /- E1HX H -WX+B + A -AA =3LH HXJ= OXK  
0062610 54660034301454660035 30650200456502000566 03550100546134651602 34665000114712773405 = 1XL= 2X B + B E C A = 1N81 / I+J IE  
0062614 50001275340602000513 02004626040402001367 14230200426550001173 54657775340650001174 / J 1FB EKB -V0DB K LSB 7 / I = 1F/ I  
0062620 54657776340730650200 05600605300502001367 01745000117210711203 10043401100231013566 = 1GX B E FEXEB K A / I H JCHDIAHBYAZ  
0062624 30015265000106065066 00045300121304040200 13670410506600035300 12121277056720001204 XA) AFF/ D\$ JKDB K DH/ C\$ JJJ E P JD  
0062630 34011414020055760560 0100546101005573166 34021403340340014302 05673601360237030463 1ALLB E A = A Y IBLIC5A8BE 3A3B4CD  
0062634 03700200056614020100 56163403140034072000 67760200056007633607 50006776230037770555 C B E LBA ,NICL 1CP B E G 3G/ S 4 E  
0062640 50006777117705515000 70063306054534013003 04215001700043030512 36033601110305705000 / I E( / FOFE+1AXCDQ/A 8CEJ3C3AICE /  
0062644 70034303137704040200 05661501010056160100 56735100051560003004 10031604617057705000 C8CK DDB E MAA ,NA , ( EM XDHCND . /

0062650 57731377331054005773 14056000300232003405 37050751510005156000 30001071124111400566 . K OH= . LE XBZ IE4EG(( EM X H J6I5E  
0062654 30031006076330041003 16156010170760111702 60123010220010300547 30111007074414123407 XCHFG XDHCNM HOG IOB JXHR HXE+XIHGG9LJIG  
0062660 50075756430705663607 11160571300401005673 00000000000000000000 01005775200037775400 /G.,8GE 3GINE XDA , A . P 4 =  
0062664 67761477540067773057 04065400701117016170 70003005540070053006 54007006142761707012 L = X.DF= IOA XE= EXF= FLW J  
0062670 56007012140034071601 54007007200067760200 056030603010060515000 70073407010057753006 , JL IGNA= GP B E FCA (/ G1GA . XF  
0062674 02004613306002001367 01740000000000000000 36201100161500000172 010016222010023345000 B -KX B K A 3PI NM A A NRA S1/  
0062700 11231277110105040200 13670013010016360200 16023074210001016020 30201017065550001123 ISJ IAEDB K KA N3B N8X Q AA PXP HF / IS  
0062704 12771104046050001147 12775100051560303034 10031604603010776240 60100200250305523001 J IDD / I+J ( EM XX1HCND XX 5 HB UCE)XA  
0062710 60203020127734055400 12565400142430213406 54001422540012575600 14215000112412373412 PXPJ IE= J,= LTXQIF= LR= J., LQ/ ITJ41J  
0062714 50122471050634573020 02001367005714003411 140034133001134141701 60403077624014510200 /JT EF1.XPB K .L I1L IKXAI1LOA 5X 5L(B  
0062720 03363011041314003457 20000360540014233020 02001367000720001113 02001426150001001636 C3XIDKL 1.P C = LSXPB K GP IKB LVH A N3  
0062724 01001773302710710404 02001367005330273130 05040200136700175000 12250457302710740561 A O XWH DDB K SXWXEDB K U/ JUD.XWH E  
0062730 30271014313016071074 52001225074405500342 01002031500012433457 60201400540012433020 XWHLYXNGH ) JUG9E/C7A PY/ J81. PL = J8XP  
0062734 13775100125634205000 12573421342214013423 14053424305112372100 12003444137754001117 K ( J,1P/ J.1Q1RLAISLE1TX(J4Q J 19K = IO  
0062740 50001260130255001116 34433057622017016240 50001256341114163413 14570200033601002031 / J KB IN18X. POA 5/ J,1ILN1KL.B C3A PY  
0062744 01002113200011130200 14260200257504110200 27420414140034570200 13670117500012420554 A QKP IKB LV8 U DIB W7DLL 1.B K AO/ J7E=  
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0063000 13771105342401002212 50522340540023410100 24272370000000000000 24272441236224060000 K IE1TA RJ)SS= S6A TWS TWT6S TF  
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0063010 10711201343320362001 02000476020021145000 11241237340150012471 54001260020016370647 H JA10P3PAB D B QL/ ITJ41A/AT = J B N4F\*  
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0063310 77764065050614123565 37450572035602001715 30655400167614023401 30776301167517013457 5 EFLJ2 4+E C,B OMX = N LB1AX AN OAL.  
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0063334 20000500350321771504 06104003346550030001 34663003035030075400 20513045540055730200 P E 2CQ MDFH5C1 /C A1 XCC/XG= P(X+ = B  
0063340 05661401010017300000 01002052304610143347 03720200056620062537 02000440010020665000 E LAA OX A P1X-HLO\*C B E PFU4B D7A P /  
0063344 67762300377705635000 67771177055750007004 10711101040311050550 50007003127711030543 S 4 E / I E./ DH IADCIIE// CJ ICE8  
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0063524 22773002051430033424 21777577061530351014 31363145160162201402 35451110054101003037 R XBELXC1TQ FMX2HLY3Y+NA PLB2+IHE6A X4  
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0063614 50573011041354002727 30776370272617016030 30300200331104305400 27533057110404055000 /.XIDK= HWX WVOA XXXB OIDX= W\$X.IDDE/  
0063620 27534425032002003233 10012100275203112077 37774525042030341204 05131400452532650707 W\$9UCPB ZOHAQ WJCIIP 4 +UOPX1JDEKL +UZ GG  
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0063630 30313035304100000000 0201231103000000624 1640000000006241600 00000000140422540000 YXX2X6 BASIC FTN5 FTN LDR=  
0063634 00000000000000000000 01003045140134013034 10170703140034013025 16063457303312200516 A X+LALAX1HOGCL 1AXUNFL.XOJPEN  
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0064044 34024064100607241014 12773405036350000515 31056010301410031612 60103010045132020604 185 HFGTHLJ 1EC / EMEY HXLHCNJ HXHD1ZBFD  
0064050 35023064340114053564 23001422054530013464 40641277340501001364 01001434306323300000 2BX 1ALE2 S LRE+XA1 5 J 1EA K A 1LX SX  
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0064060 50001520346330540516 30035464000205055464 00035464000401001502 14003462340336631601 / MP1 X=ENXC= BEE= C= DA MBL 1 IC3 NA  
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0064104 02003003036401001634 20005305346314013462 30251071346602002421 B XCC A N1P \$E1 LA1 XUH 1 B V 8L81AB TO  
0064110 30101014311104212377 77775400241054002330 10632300210054002267 54002327020022570303 XHHLYIDQS = TH= SXH S Q = TG= SWB K.CC  
0064114 02001764500013110403 02000566020020315064 00033452200053050200 20030200257301001634 B 0 / KIDCB E B PY/ C11P \$EB PCB U A N1  
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0064124 14260200033601001225 20010000000000000000 01001763020022300773 34363266060314003466 LVB C3A JUPA A O B RXG I3Z FCL 1  
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0064134 32440200357020002024 3404035201002030303 11010573200053053463 30623402406304175063 Z9B 2 P PT1DC)A PXXXIA P \$E1 X 1B5 D0/  
0064140 000110710425506630001 10025163000116023563 37020447036050630001 04434463140154630001 AH DU/ AHB( ANB2 48D+C / ADB9 LA= A  
0064144 20003221030556630001 20003225540021205063 00011002516300013163 17035400212214043401 P ZQCE, AP ZU= QP/ AHB( AY OC= QRLDIA  
0064150 14000303500121175401 21213701067250630001 10025163000116023563 01002057010021365000 LC CC/AQD=AQQ4AF / AHB( ANB2 A P.A Q3/  
0064154 20123232061102002536 60103013107112371003 03021440316634533053 32360754045334531402 PJZZFIB U3 HXKH J4HCCBL5Y 1X\$Z3G-D\$1\$LB  
0064160 34003036107105113031 10130615303011010503 14073400303610023136 31003563217715030610 1 X3H FIXYHKFMXXIAECLG1 X3HBY3Y 2 Q MCFH  
0064164 36620200223034360641 56003444010021361400 44635463000115000100 22273063020005600765 3 B RX13F6, 19A Q3L 9 = AM A RWX B E G  
0064170 40630504506300010464 34071006060510713406 14003407406304545063 00010351010022561400 5 ED/ AD 1GHFFEH 1FL 1G5 D= / AC(A R,L  
0064174 34413006342230073423 02002230076504673436 02002235046450005306 34660200213720005306 16XFIRXG1SB RXG D 13B S2D / \$F1 B Q4P \$F  
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0064204 06601404036201002334 50005306540024133454 10023554304154005306 20005301315434012177 F LDC A S1/ \$F= TK1-HB2-X6= \$FP \$AY=1AQ  
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0064224 50010001107117450642 16120761340230111002 31111001310234115001 00011277174506611612 /A AH O+F7NJG 1BXIHBYIHAYBII/A AJ O+F NJ  
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0064240 31551006311231320363 01002552140034664063 05035063000134231006 06651071342214003423 Y HFYJYZC A U1L 1 5 EC/ ALSHFF H IRL 1S  
0064244 03600100257230251014 13773166100634253033 10143134160262201601 62250360010026120200 C A U XUHLK Y HF1UXOHLIYNB PNA UC A VJB  
0064250 05133014100316203272 54002640106330202100 54002637140034033402 3400300610752100777 EKXLHCNPZ = V5H S Q = V4L 1C1B1 XFH Q  
0064254 60103006120334015001 00101006061210713406 50000106350310633502 36000353107134073503 HXFJCLIA/A HFFFJH 1F/ AF2CH 2B3 C\$H 1G2C  
0064260 10633502360001002612 01002672305510061611 60103013100631551003 31521003311434611063 H 2B3 A VJA V X HFNI HXKHFY HCVJHCYLI H  
0064264 34601014316103550100 27153055100616036010 20321003100631111006 31551006311234341063 1 HLY C A WMX HFNC HXZCHFYIHFY HFYJ11H  
0064270 34331014313403543052 12033401305210752100 37466010500100103452 01002754305510061607 10HLYIC-X)JCIAX)H Q W- H/A H1)A W-X HFNC  
0064274 60103011100631551006 31125400274710635500 27465000300154002756 03400362010030023403 HXIHFY HFYJ= W\*H W-/ XA= W,C5C A XBIC  
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0064304 14005403000144033003 02000563010030020100 30421400340201003150 14103202340330363266 L =C A9CXCB E A XBA X7L 1BA Y/LHZB1CX3Z  
0064310 32030602350330661002 31663163160254003073 02002673310263033072 30023103171005363402 ZCFB2CX HBY Y NB= X B V YB CX XBYCOHE31B  
0064314 30033566305254640002 02002755052030363266 05130200255330311013 07063036107105031520 XC2 X) = BB W EPX3Z EK6 U\$XYHKGFX3H ECPM  
0064320 35310100304230363266 04050100305030033502 02002553376204163036 10023136160235634063 2YA X7X3Z DEA X/XC2BB U\$4 DNXXH3Y3NB2 5  
0064324 34360464506300013436 04600353406331360407 30361071050630311013 07031520353130020505 13D / A13D C\$5 Y3DGX3H EFXYHCBMP2YXBEE  
0064330 30525364000305173052 54640002140034661466 60101414341030601014 31613102621001003042 X) \$ CE0X) = BL 1 L HLL1HX HLY YB HA X7  
0064334 46460517064646554646 05172246465514103435 30551006160460053007 17015400201214003457 --E0F-- --E0R-- LH12X HFND EXGOA= PJJ 1.  
0064340 30520403010033252000 17563464305434325400 17620200271616026020 16016025160460103010 X)DCA OUP O,1 X=1Z= O B WNNB PNA UND HXH  
0064344 10200724101107243031 10150617142502000336 30113452540017610407 14003466140134620100 HPGTHIGTXYHMFOLUB C3X11) = O DGL 1 LA1 A  
0064350 17250100174630531207 17020772035002002673 61356776145055003330 34011400540100010200 OUA O-X\$JG0BG C/B V 2 L/ OXIAL =A AB  
0064354 2755056234022006776 34643403506400045200 20120706560011021412 55003367140535643602 W E 1BP 1 IC/ D) PJGF, 1BLJ O LE2 3B  
0064360 50640001056050647772 403031277040520002400 54001400306454001423 30025400116301001102 / AE / 8CJ DEP T = L X = LSXB= I A 1B  
0064364 35241700323100000326 01003236020052620373 01003243020041100773 30241244050301003362 2TO ZY CVA Z3B ) C A Z8B 6HC XTJ9ECA O  
0064370 30241067121735571201 34003057107612073100 35373024101706125037 00011067111004030100 XTH JO2.JAI X.H JGY 24XTHOFJ/4 AH IHQCA  
0064374 336201004672310200603 01004733100406130200 36633024220003003440 56003404010033650336 O A = HPFCA \*OHDFKB 3 XTR C 15, 1DA O C3  
0064400 30050505505150250200 37740100342230571201 54003357020042070605 02004437010034445600 02004437010034445600 XEEE/(/UB 4 A 1RX.JA= O.B 7GFEB 94A 19,  
0064404 33571472020037740447 20000001051003660200 36630436020042070754 30403551044217740712 30403551044217740712 O.L B 4 D\*P AEHC B 3 D3R 7GG=X52(D7O GJ  
0064410 04041702050715011602 10063440140005572177 76633401062150515025 10060715107102003774 DDBEGMANBHF15L E.Q 1AFQ/(/UHFGM H 4  
0064414 0543305043302004066 30043457010032431400 34403001056314370200 37740460010033621400 E8XED0B 5 XD1.A Z8L 15XAE L4B 4 D A O L  
0064420 04545700344430050422 37030520370203523057 12171010354030241207 31401640342450005103 D=. 19XEDR4CEP4BC)X.JOHH25XTJGY5N51T/ (C  
0064424 02004320143754003525 02003774035414003445 14010100350430450474 14023401306010143361 34253052044554640002 B 8PL4= 2UB 4 C=L 1+LAA 2DX+D LB1AX HLU  
0064430 31436301526114023543 17050755200000010404 30431110054730055400 35253052044554640002 Y8 A) LB28DEG P ADDX8IHE\*XE= 2UX)D+= B  
0064434 02002755050434450100 35041400344330050511 30523454020027555400 35253054345202002673 B W ED1+A 2DL 18XEEIX)1=B W = 2UX=11B V  
0064440 01003501010035670200 3505200000000374102000 00003411200000003412 20001000341330023414 A 2AA 2 B 2EP 1HP 11P 1JP H 1KXBLL  
0064444 20003611170162101701 63703655305710733466 32360524406331360411 02002553303610710514 P 3IOA HOA 3 X.H 1 Z3ET5 Y3DIB U\$X3H EL  
0064450 30311013071115203531 14003466302422000377 34243052546400020100 35670000000000000000 XYHKGIMP2YL 1 XTR C 1X) = BA 2  
0064454 00000100366230601014 33613143344713773345 10063446500051040200 37740360375714403424 A 3 X HLO Y81\*K O+HF1-/ (DB 4 C 4.L51T  
0064460 30571217101035240100 37113605140034023445 02004207072640371067 11100554365740372200 X.JOHH2TA 4I3EL 1B1+B 7GGV54H IHE=3.54R  
0064464 03770200377405621404 03453657305104551107 04533757010037022377 77760565345730361071 C B 4 E LDC+3.X1D IGD\$4.A 4BS E 1.X3H

0064470 05023436035514003440 14000510360336023645 11170503020035050100 37733401504540461014 EB13C L 15L EH3C3B3+IOECB 2EA 4 1A/+5-HL  
 0064474 34401063310734540140 40074054121710163301 10044454034230011073 34004054131733004454 15H YG1=A55G5=JOHNOAH09=C7XAH 1 5=K00 4=  
 0064500 30011010340050540001 2200037733005450001 03554054220074003301 44540371000007003101 XAHMI / = AR C O = = AC 5=R OA9=C G YA  
 0064504 00020702310300040704 31050006070631070010 07103111010040653002 32033402305034223067 B8BYC DGDYE FGFYG HGHYIA 5 XBZCIBX/IRX  
 0064510 342330423336304643042 34635063000134360356 01004107200052613407 14023443540035253061 1SX70 D X71 / A13C,A 6GP ) IGLB18= 2UX  
 0064514 16025400361210633160 23002000540036111400 34573440344534443405 34023437340354003574 NB= 3JH Y S P = 3IL 1.151+19LE1B141C= 2  
 0064520 30725400360502002716 16066010301010741201 23001400540045315400 34040200440007073066 X = 3EB WNNF HXHH JAS L = +Y= 10B 9 GGJ  
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 0064530 17050516344414073557 10733336051137570200 44000754140134570302 36573637403710710544 OEEN19LG2.H 03E14.8 9 G=LAL.CB3.3454H E9  
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 0064540 14000361305713171611 34571607340430651126 04463063344230223450 30233467140034030100 L C X.KONIL.NG1DX IVD=X 17XR1/XS1 L 1CA  
 0064544 42462000431234455700 37620100431734013045 54004313560037623046 10143445106334513060 7-P 8J1+. 4 A 8D1AX+= BK, 4 X-HL1+H 1IX  
 0064550 10143361314332471006 32510505300102003774 03421402345330511014 31476153527320005273 HLO Y8Z+HFZIEEXAB 4 C7LB15X(HLY# \$) P )  
 0064554 34073001020037743051 10143147635352732000 52613407035115010100 43773062047330370505 IGXAB 4 X(HLY# \$) P ) IGC(MAA 8 X 1D X4EE  
 0064560 30631601343703160200 25533762046140630404 30361002313616023563 16013437506300013436 X NAL4CNB US4 D 5 DD3HBY3NB2 NA14 / A13  
 0064564 34570456406305420353 01004436100107741301 34653657506547703454 04351202040530031075 1.D,5 E7C9A 93HAG KAL 3./ \* 1=D2JBDEXCH  
 0064570 31440525300434063003 34533054120104200200 42072340000004211001 07413665373737573065 Y9EUXD1FXC1X-JADPB 7GS5 DDHAG63 444.X  
 0064574 107634510033525065 47675400451201004511 56003357305412020565 30651126046214370200 H 1(A 0)/ \* = +JA +1, 0.X=JBE X IVD L4B  
 0064600 37740503010034261400 34243703360530650546 01003362500051030200 43200322370504043653 4 ECA 1VL 1T4C3EX E-A 0 / (CB 8PCR4E0D3  
 0064604 01004665560036055000 51030200432014020306 37021404540035741401 10065500357414004463 A - , 3E/ (CB 8PLBCF4BLD= 2 LAHF 2 L 9  
 0064610 34363457342401003243 30241302110234241405 54003574034350370004 04030100450050370001 131.ITA 28XTKBIBITL= 2 C8/4 DDCA + /4 A  
 0064614 54003577503700025400 36023702200001065400 35743057107316013336 05043062170207071412 = 2 /4 B= 3B4BP AF= 2 X.H NAOJEDX O8GLJ  
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 0064630 3665365702042070703 01003367100106030100 44363757010034560200 42070730365740375400 3 3.B 7GGCA 0 HAFCA 934.A 1.B 7GGX5.54=  
 0064634 35770200420707214037 54003602140034022000 01165400357436571217 10101660342401003243 2 B 7GGQ54= 3BL 1BP AN= 2 3.JOHNN ITA 28  
 0064640 01004573451300004541 00014541000145460001 45630003460200014612 00024654000233520000 A + \*K +6 A+6 A+- A+ C-B A-J B=- 80)  
 0064644 4704000233520004713 00013352000033520000 47330002007210101012 01030104010501060107 \*D B0) \*K A0) 0) \*O B AAABACADAEAFAG  
 0064650 01100111011201130114 01150116011701200121 01220123012401250126 01270130013101320060 AHAI AJAKAL AMANAD APAQARASATAUAVAWAXAYZ  
 0064654 00610062006300640065 00660067007000710053 00550052005700500051 00440075004000540056 \$ ) . / ( 9 5 = ,  
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 0064670 01700171017201730174 01750176017700000001 00020003000400050006 00070010001100120013 A A A A A A A A A A B C D E F G H I J K  
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 0064700 4000010001364000072 40004000014000150012 00450053006300720072 00740204004577760045 5 A A35 5 5 A5 M J + \$ BD + +  
 0064704 00530063004500720074 02040072777601005261 14426010301210210771 20005237340640061006 \$ + BD A ) L7 HXJHQG P )41F5FH  
 0064710 07631014210050253407 36064006440736060364 34152400107300000354 01002106140203051400 G HLQ /U1G3F5F9G3FC IHT H C=A QFLBCEL  
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 0064720 02001404145060101432 55001604230011400504 20776634037002001565 30140417500016042300 B LDL/ HLZ NDS I5EOP 1C B M XLDU/ NDS  
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 0064730 16001604602030201011 07311004062730211240 04240200163704210200 16006050162160623050 N ND PXPHTGYHDFWXQJ5DTB N4DQB N /N0 X/  
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 0064744 12773451030317050566 30571220040330640462 14666062365002001600 62503057107002001525 J 1ICCOEE X.JPDCX D L 3/B N /X.H B MU  
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 0065010 20210200161501001564 20000000047320000000 04610200207103560100 15773055100621000000 PQB NMA M P D P D B P C,A M X HFQ  
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 0065040 71132121010017532000 01120200161574131410 17132106036501001766 20000040020016157413 KQA QSP AJB NM KLH KOFA A O P 5B NM K  
 0065044 03701056540015740100 20011401340065131776 16010674370006727553 C H,= M A PALAI KO NAF 4 F SC \$IT \$=  
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 0065054 16157413140666132015 17010574755337010564 14300200160601002062 36261207342650001575 36261207342650001575 NM KLF KPMDAE \$4AE LXB NFA P 3VJGIV/ M  
 0065060 54262127036622004435 23000001010021001400 02002036036630745400 02002036036630745400 =VQVC R 925 AA Q L B P3C X = L N HXKD9  
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 0065070 55001353305510061603 60103012540011413214 23777777540011443014 54001155305222007300 K\$X HFNC HXJ= I6ZLS = I9XL= I XJR  
 0065074 34461065237777775500 12071442601030121201 35463052123734041113 05065000255054001553 1-H S JGL7 HXJJA2-XJJ41DIKEF/ U/= M1  
 0065100 03163004171306052377 77772100010055001544 20002665020015523052 10140706200002005400 CNXDOKFES Q A M9P V B MXX)HLGFP B =  
 0065104 15330305500025515400 15175600142415053504 06731605550014263054 13013403107304030200 MOCE/ U(= MD, LTME2DF NE LVX=KAICH DCB  
 0065110 11673046106616121014 31551006605016016010 30145400160430522200 03000503010024251407 I X-H NJHLY HF /NA HXL= NOXJR C ECA TULG  
 0065114 34015001255354011502 37010672200075535400 15053053120710115400 16171400540015741404 1A/AU\$=AMB4AF P \$= MEXJGH1= NDL = M LD  
 0065120 54001575500001121210 04152000141454002047 20001403540020032000 01405400165514133411 = M / AJJHDMPL= P\*P LC= PCP A5= N LKII  
 0065124 14120200033664132535 30521014070414025500 17403052101207271520 55001212140455001673 LJB C3 KU2X)HLGDLB O5X)HJGWMP JJLD N  
 0065130 50002552540017652000 14045400172020005000 54001742560017240200 25700200262701002517 / U)= O P LD= OPP / = O7, DTB U B VWA UO  
 0065134 20000302340150012775 54011634370106722000 33000200155220003401 54001501200027260200 P CB1A/AW =AN14AF P O B M)P IA= MAP WVB  
 0065140 15003054340230030430 36541104050334540373 20001021325454002471 30031021066330543302 M X=IBXCDX3=IDEC1-C P HQZ== T XCHQF X=OB  
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 0065160 20777677550016252000 04140200161505121412 02001615050674137053 75531006065014023462 P NUP DLB NMEJLJB NMEF K \$ \$HFF/LB1  
 0065164 14133411140402000336 20361506020004760100 26263055100616266010 30110470304610663311 LK1ILDB C3P3MFB D A VVX HFNV HX1D X-H OI  
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 0065174 15171535162016531656 16621723172517271731 17511761176317742005 20132015201720222046 MDM2NPNS\$N, N DSOUQWYOIO D O PEKPMPOP RP-  
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 0065210 20270000010027631277 34001003330013702100 02001560020016101751 1611140316224042531 PXJJJ JKETJMN4J B J B M B NHU(INLCNTP9UY  
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 0065220 16675000156705701410 34070200163705633707 05730354010017043052 22000100047230361277 B P9 KK B OXITXVJGD, IAD, LYB OIC7L B POA  
 0065224 04671100046556001157 03627413705365131606 75530100172765131722 N / M E LH1GB N4E 4GE C=A ODX) A D X3J  
 0065230 77131400302412010471 65131735036301001750 34227553150017010576 D I D, I.C K \$ KNF \$ A OW KORA NF KA O3  
 0065234 01001764302434261203 34243026120410053524 30261220107535240361 10011070311603051006 KL XTJAD KO2C A O/IR \$H OAE = M KO C  
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 0065244 00007713120002001730 34261207010020431477 65132035170105740100 16063701050337000426 G H ZNB NM3G5E A PP1NP PW1GC  
 0065250 74137053755334242200 10003372056401002070 64131606771313003372 54002065147734006513 KJ B OXIVJGA P8L KP2OAE A NF4AEC4 DV  
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 0065260 10143324220720012300 00010351164316461722 17231724172617311735 17401745175317612035 P LXB NFA QH K .L B P XT1S K .L B P B P9  
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 0065274 225750001262605145000 11760532302454002142 14403422140402001525 M)P R B M P Q = MUC / I DIX I L B C3A  
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 0065304 30461066161310143155 10066210141334111404 02000336144402000336 01000114225700002206 NJIAHLY HF HL ILX HFYA HB SUP AF HF/ NDLL  
 0065310 24002207302622121427 22141403222106170000 10210615305510061626 60103012337505063412 X-H NKHLY HF HLK1ILDB C3L9B C3A ALR. RF  
 0065314 30551006162662100100 23243046102006551431 02001525036700000000 36151000657500000143 T RGXVRLWRLLCROFO HQFMX HFNV HXJO EFLJ  
 0065320 1006602500015255400 66762000661554001525 03653021101206162077 75773521500021372200 X HFNV HA STX=HPF LYB MUX 3MH AB  
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 0065334 66753062540070223066 54007026020016001601 60031602600116166062 30571220050434600100 HXJ16P LA= I / S K2EHX = X.JPEDI A  
 0065340 34111437020003363011 05165600145230641007 34741674601030623310 14003460306404253372 X X = RX = VB N NA CNB ANN L I X DUO  
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 0065364 34002000060035131063 35123700057130521073 120334001043030511107 05251466617027653001 I.A 8XDZBHLYE2CIH IHX)H JCY4IKL IJX5DI  
 0065370 12020412305220001000 54002765301210143313 120334001043030511107 27650100704301007134 P P F 2KH 2J4 E X)H JCLADXX(IGEUL W XA  
 0065374 04753457405704721021 34011056100123000303 54007177400113774401 50570001101434141377 JBDJ)R A = W XJHLOKZA= W H W A BA I  
 D 1.5.D HQIAH,HAS CC= 5AK 9A/. AHLILK

RA = E,35700,76000.  
0000000 CM 16.23.30.

EXPRESS 11  
(35) CYBER 174 S/N 620 CLSH.

USDI - V2.0  
NOS 1-8J03T/R28.

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NOS 1.4 STUDY DUMP.

0065400 10033415130741140605 10061340315510141014 51140001311503032377 77775401000110634501 HC1MKG6LFEHF5Y HLHL(IL AYMCCS -A AH +A  
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0065500 11010502376137613022 11220421020026620200 14040200210110110611 56002364144202001615 IAEB4 4 XRIRDQB V B LDB QAHIFI, S L7B NM  
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0065560 26276307263130341277 3122040414230201525 10002642626214000405 01002717030712400405 0WHL3 W = Q-OXEE/ Q90 D+LS1RC7A WOCGJ5DE  
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0065570 33271014536127705400 21463330050550002144 33610445142334220342 62100104266660105400 DBMAN81+x4HBY4= W A WUXA1JP V HA V H=  
0065574 30370403373737613061 04235300220111015400 77720414506127711217 27173001341220002663 27725400214134013037 V H S P = V X4HBY4IADHL 1+L =AW = Q61AX4  
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0065620 37010672200042440200 15520330302112200421 30025400252350004032 54002170305210130733 CE/ AJJHEMXQJHIHEIP CB= US/ 5Z= Q X)HKGO  
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0065700 30411100041330371002 05062000302354002721 23173041110004071101 04032000160454002231 1R = S X)HKCFXQJAE= S0X6I DGIADCP ND= RY  
0065710 34225400236230521013 03063021120105035400 05142000112354002341 30211010070550000112 CZAJJHDDLD R8X3H IDELP IS= S6XQHGE/ AJ  
0065714 03320112121004041404 55002202303610711104 30431204030520777477 550021320000010306 JHDEP RB= Q P 92= P X8JDCEP QJP ACF  
0065720 1210040520002205400 21772000443554002075 17710304400454002027 30342200070004045500 X3K Z S HA= P P 5= O D5T= Pwx1R G DD  
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0066034 10710457200007770367 14025400215601002253 02001404303734141400 34120200240032140610 H D.P G C LB= Q,A R1B LDX41LL 1J8 T ZLFH  
0066040 03603052121004553052 10110752030610063155 10063166601030140324 16043414100131141002 C X)JHD X)HIG)CFHFY HFY HXLCTNDLLHAYLHB  
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0066124 25560100267430612300 50040402140435615400 26115300270004045000 21411217546127713061 U,A V X S /DDBLD2 = V1\$ W DD/ Q6JO= W X  
0066130 54612766302754612767 30305461277030611200 35610341540024241400 01002736306112010370 = W XW= W XX= W X J 2 C6= TTL A W3X JAC  
0066134 12021076036501002746 14003461340614175400 2141020027370202422 15143552036114143552 JBH C A W-L 1 1FLO= Q6B W4B TRML2( LC L2)  
0066140 14010322307762620200 25165000277211170464 30776062032430421237 32611701061714000100 LACRX B UN/ W IOD X CTX7J4Z QAFOL A  
0066144 27211400540024243061 04503012171407603412 37610672141003613061 12010505301217100606 WOL = TTX D/XJOLG 1J4 F LHC X JAEFXJQHFF  
0066150 03443012170406743661 56002424037030611203 34001001310010023212 06021660160710160605 C9XJODF 3 , TTC X JC1 HAY HBZJFBN NGHNF  
0066154 56002424010027113000 11010573266103713051 11110403140234412000 04504020150004103036 , TTA WKX IAE 3 C XIIDCLB16P 5=B M DHX3  
0066160 10711101050414020100 32173046220003002300 03000523540022352000 30615400223420003401 H IAEDLBA ZOX-R C S C ES= R2P X = R1P 1A  
0066164 5400223720002005400 25732000030254002635 14033400302410120703 01003213020016001624 = R4P B = U P CB= V2LC1 XTHJGCA ZKB N NT  
0066170 60136003170160111701 60103003040530161202 34000415302412040437 30151277115504333051 K COA IOA HXCDEXNB1 DMXTJDD4XMJ I DUX1  
0066174 11120430140134003013 12771100042230241201 04043000343414221126 34622000323154001525 1JDXLA1 XKJ I DRXTJADDX 1LR1R1V P ZY= MU  
0066200 01002147306201001106 30411702060301003320 14613401500127655401 26743701067230521013 A Q\*X A IFX60BFCA OPL 1A/AM =AV 4AF X)HK  
0066204 07233021120104205000 4052540027320211240 04111424340150013047 54012740370106722000 GSXQJADP/ 5)= WZXQJ5DILT1A/AX\*-AW54AF P  
0066210 03025400246114005400 26102000306154002611 30521240050354002727 01003412200530054000 CB= T L = VHP X = VIXJ5EC= WWA 1JP \$=  
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0066220 54002742200027370310 30411101047220001400 54002357540023603041 11000410141355002710 = W7P W4CHX6IAD P L = S. = S X6I DHLK WH  
0066224 20005000540027003052 12400411200050615400 27112000276654002712 P / = W X)J5DIP / = WIP W = WJX)J H 1GD2  
0066230 2300140054002571203 55002331200030655400 22762000276554002456 54002553304117020711 S L = R.JC SYP X = R P W = T, = U1X608GI  
0066234 30071202040215552100 17715400234730071202 04152000346154002305 30411102050520003052 XGJ8DBM Q O = S\*XGJ8DMP 1 = SEFX6IBEEP X)  
0066240 5400232303330070531 50002137107410023352 12143352345212140510 14005400216120002215 = SSCOXGEY/ Q4H H8O)JLO1)JLEHL = Q P RM  
0066244 54002163305212141104 04041400540026653041 17020707300712021102 05035400235630411103 = Q X)JLIDDDL = V X60BGGXGJIBEC= S,X6IC  
0066250 04031107053430070531 20003414540022655000 21411277550022612000 17715400234714005400 DCIGELXGEYP 1L= R / Q6J R P O = S\*L =  
0066254 21612000221554002163 20777677550022660307 30070505200035145400 22673021120103103041 Q P RM= Q P R CGXGEEP 2L= R XQJACHX6  
0066260 11000405200014525400 26325000214110675400 21413051111105043052 12141114053530411702 I DEP L)= VZ/ Q6H = Q6X(1IEDX)JLILE2X6JB  
0066264 06132000020054002213 5000214111105035400 21413052220073773452 30211065110204105000 FKP B = RK/ Q6IOEC= Q6XR 1)XQH 1R0H/  
0066270 21371007070420000400 35523021220037772300 40003421302414000407 30361071170204021602 Q4HGGQP D 21XQR 4 S 5 1QXTL DGX3H 0BDBNB  
0066274 1603540021522004021 02001552200000505400 17712000463554002075 30361377327120000201 NC= Q)P 50B M)P / = O P -2= P X3K Z P BA  
0066300 54002077030740245400 20271402550015723021 22006777342120004025 34621403346620000400 = P CG2T= PHLB M XQR 1QP 5UI LC1 P D  
0066304 54001450304004123041 11040403110605053051 11110510365730511111 05042000400034600100 = L/X5DJX6IDDCIFEE(X1IEH3.X(IEOP 5 1 A

0066310 21475000215204030200 16150200225404030100 21640200416020004000 34600100215325632565 Q\*/ QJDCB NMB R=DCA Q B 6 P 5 1 A QSU U  
0066314 25700000436006344667 12104766100050020624 50230400516202045211 04005216020052570400 U B F1- JH\* H /BFT/SD ( BD)ID INB ).D  
0066320 55320634000007060407 24250404242614532427 02002430161524521737 26262111264514272652 ZF1 GFUGTUDDTVL3TWB TXNNT)Q4VVQ1V+L4WV)  
0066324 03023122140031501017 31741220360504103674 12203713166137151741 3717775372121333725 3717775372121333725 CBYRL Y/HOY JP3EDH3 JP4KN 4M0640 4QQ04U  
0066330 23003726100537302135 37312000401203020000 30211203040412020406 14062100423154004150 S 4VHE4XQ24YP 5JCB XQJCCDJ8DFLFQ 7Y= 6/  
0066334 30211076120635015001 42150406344520003006 54002431010041575000 01121210107434013021 XQH JF2A/A7MDF1+P XF= TYA 6./ AJJHH 1AXQ  
0066340 12400540302412040405 303610711110503070200 17545000212112301130 05612000422354004150 J5E5XTJDDEX3H IECGB B=/ QQJXIXE P 7S= 6/  
0066344 01004143000000000560 00000420000040000000 02600550020004000000 0000000000006300000 A 6# E DP D B=E/O FX  
0066350 00000000040000000250 06000000000000000000 34142300107300000117 14003416305205072044 D 8/F ILS H ADL INXJEGP9  
0066354 11050200152502150006 20441110020013610200 12460305204411030200 13611410020015036001 IEB MUBM FP9IHB K B J-CEP9ICB K LHB MC A  
0066360 20000106601030113204 12771704060301001205 20441102020013612000 01066010141002001503 P AF HXIZDJ ODFCA JEP9IBB K P AF HLHB MC  
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0066374 20000426020015036001 36052000042602001503 62011444020003360100 01140100124520000104 P DV8 MC A3EP DV8 MC AL98 C3A ALA J+P AD  
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0066420 33160503010014433006 34163007341714110200 15036010301310143314 02001503600130010435 ONECA L8XF1NXG10L18 MC HXXHLOLB MC AXAD2  
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0066430 61050000500013615415 00060115000730162300 44110511301713771006 E / K =M FAM GXNS 9IEIXOK HFONHFB MUC,  
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0066464 01001524000000000000 000000014747474747 47000001000000000000 0000000100000000000 A MT A\*\*\*\*\* A A  
0066470 00000000000000000000 34040300107300000461 01003121200000004427 200000000542700010200 IDC H D A YQP 9WP =W AB  
0066474 24120305302617030200 1216364602300005000 31163403160444035403 00025000304210100721 TJCEXVOCB JN3-BX / YNICND9C=C B/ X7HMG0  
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0066504 54030001200003774403 14043503500030422200 02170502370302001643 02001724020020771440 =C AP C 9CLD2C/ X7R BOE84CB N88 DTB P L  
0066510 02000336307416206010 01001113010012150404 07033426037214400200 13225000311504041440 B C3X NP HA IKA JHDDGC1VC L5B KR/ YMDL5  
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0066520 31153700056040020404 02300000035137024002 05065700311557003115 03701277050357003115 YM4 E 5B0DBX C1485BEF. YM. YMC J EC. YM  
0066524 30025400312030355400 31073036540031103045 54003043142002001322 010013215500304223644 X8= YPX2= YGX3= YH5+= X8LPB KRA KO X739  
0066530 20000000040562401400 54001327560030525000 31202177465604251601 02003016340152003041 P DE 5L = KW, X)/ YPQ =.DUNAB XN1A) X6  
0066534 07041402010026105000 30371277100631551006 51003040630131211412 34013053100631551006 GDLBA VH/ X4J HFY HF( X5 AYQLJ1AXSHFY HF  
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0066560 50172615540300075004 00040426101434161063 34175016261554030010 /OVM=C G/D DDVH1NH 10/NVM=C H/OVM=C ILJ  
0066564 35033024320307360230 0000010014340031612 34160302370350030007 52002615047214103503 2CXZTCG38X A L1XCJ1NCB4C/C G) VMD LH2C  
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0066574 16333603520031161704 07731500440354030010 54030002140335030100 14070100163237034003 N03C) YNDDG M 9C=C A=C BLC2CA LGA NZ4C5C  
0066600 52002672047303700100 16423020041537201076 35043020120104070313 36460230000014003420 J V D C A N7XPD4PH 2DXPJADGCK3-BX L 1P  
0066604 36204004107144033603 40041277440336033620 17120403360403623024 32030702035135203620 3P5DH 9C3C5DJ 9C3C3PDJDC3DC XTZCG8C(2P3P  
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0066614 34011403350240023321 04123325057137022000 77774 302047336020324 50027776332104063602 32010434340017770703 1ALC2B5B00DJOUE 4BP 88B 3BC7B QQDF3B  
0066620 40023321040603515002 77753321040536024002 33210541370237023002 32010434340017770703 5B0QDFC1/B 0QDE3B5B0QE6484BXBZA011 O GC  
0066624 14773400200003774403 40015403000230034401 30011601540300033000 21000220540300011404 L 1 P C 9C5A=C BXC9AXANA=C CX Q BP=C ALD  
0066630 35033000350103424002 33210406200022354402 01001723360240023321 04743002320134001703 2CX 2AC75B0QDFP R29BA US3B5B0QD XBZA1 UC  
0066634 06030100173317340703 14773400200003774401 30001620540100013001 31005401000234010350 CAX 0001GCL41 P C 9AX NP=A AXAY =A B1AC/  
0066640 01002076140034015000 31203402500031163403 03350200214410044402 A P L 1A/ YP1B/ YNICC2B Q9HD9BB Q9H +B3B  
0066644 30001010440202002144 45023602035736033601 37260402060414400200 X HH9BB Q9+83BC.3C3A4VDBFDL5B KRX A QK5C  
0066650 34001067046130003403 2300777056756003045 10635500304430015500 31153002540031205000 1 H D X LCS E , X+H X9XA YMXB= YP/

RA = E,35700,76000. EXPRESS 11 DSDI - V2.0 79/10/30. 15.19.49. PAGE 69  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP.

0066654	3042220077603205400	30423064540030703065	54003071303554003107	30365400311030455400	X7R OP= X7X = X X = X X2 = YGX3 = YHX+ =
0066660	304100207603770014	22350377001300600060	22350377001300610067	03770012777701002240	X8A P C LR2C K R2C K C J A R5
0066664	40270505304604250100	23425027000132450412	36451002314531271703	34041400344603533045	5WEEX-DUA S7/W AZ+DJ3+HBY+YWOC1DL 1-C&X+
0066670	13770523304605052000	24043404036450003116	34002000222444003026	17020200121602002077	K ESX-EEP TD1DC / YN1 P RT9 XV0BB JNB P
0066674	50277776050302002412	34271400344536361063	35353046041230355400	31073036540031101400	/W ECB TJ1ML 1+33H 2X-DJX2= YGX3= YHL
0066700	54003043010022425027	00010410500031163400	20002231010023033026	17060200121650003116	= X8A R7/W ADH/ YN1 P RYA SCXVOFB JN/ YN
0066704	34002000222144000200	20772000020054003111	20001030540030522000	01000200132200000000	1 P RQ9 B P P B = YIP HX= XIP A B KR
0066710	000000000000001002411	40270504502700010471	34071006060530073406	140034070200005135000	A T15WED/W AD IGHFEXGIFL 1GB EK/
0066714	31173427020005600604	14010100261040270504	50270001043034071006	072540207040650270001	YO1WB E FDAAA VHSWED/W ADX1GHFGU5WDF/W A
0066720	10025127000116033127	54277776210005025200	31160605502777760100	243302000056614005427	HB(W ANCYW=W Q EB) YNFE/W A TOB E L =W
0066724	77765000311734270100	24110100251030653263	05163064326205135000	30371013060301002354	/ YO1WA TIA UHX Z ENX Z EK/ X4HKFCA S=
0066730	20000100020013223064	10063155100631656010	36651063356430673265	05103066326405053060	P A B KRX HFY HFY H3 H 2 X Z EXH Z EEX
0066734	34643061346536451410	34040100251001002562	30302300224104173061	32650510306032640505	1 X 1 3+LH1DA UHA U X5 R6DUX Z EHX Z EE
0066740	30663464306734653065	05023764376537450352	34462036043202000476	00720101010201030104	X 1 X 1 X EB4 4 4+C11-P3DZB D AAABACAD
0066744	01050106010701100111	01120113011401150116	01170120012101220123	01240125012601270130	AEAFAGAHAIJAKALAMANADAPAQARASATAUAVAHAX
0066750	0131013200600610062	00630064006500660067	00700071005300550052	00570050005100440075	AYAZ ) . / ( 9
0066754	00400054005600430133	01350045004201370041	00460047007700740076	01000134013600730340	5 = , 8A0A2 + 7A4 6 - * A A1A3 C5
0066760	03600361036203630364	03650366036703700371	03720373034003400340	03400340034003400340	C C C C C C C C C C C C5C5C5C5C5C5C5
0066764	0340034003400350356	03570341034403450346	03470350035103520353	03540343034203400340	C5C5C5C C,C.C6C9C+C-C*/C(C)C5C-C8C7C5C5
0066770	03400340034003400340	03400340034003400340	03400340034003400340	03400340034003400340	C5C5C5C5C5C5C5C5C5C5C5C5C5C5C5C5
0066774	03400340034001003015	16043402100131021002	31021014300010103202	31001067036100000000	C5C5C5A XMND18HAYBHBYBHL1 HHZBY H C
0067000	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000	

0067010	00000000000000000000	00000000000000000000	31211412340130531237	34531014315431011610	YQLJ1AX\$J41SHLY=YANH
0067014	10713256070414130100	26103053100631551006	31541610610130345000	30521201040657003052	H Z,GDLKA VHXS\$HFY HFY=NH AXI/ X)JADF. X)
0067020	14140100261050003051	12030505500030521065	04041412010026105000	30341071041650003037	LLA VH/ X(JCEE/ X)H DDLJA VH/ X1H DN/ X4
0067024	10661103051120360431	02000476200040665400	37465000303505041402	01002610500030410472	H ICEIP3DYB D P 5 = 4-/ X2EDLBA VH/ X6D
0067030	50003037127710145100	30405100304110713256	07050404140301002610	50003036176207042177	/ X4J HL( X5( X6H Z,GEDDLCA VH/ X30 GDQ
0067034	76320704141101002610	50003036520030351611	06675000305612773460	50003057346150003063	ZGDLIA VH/ X3) X2NIF / X,J 1 / X.1 / X
0067040	34625000306434635000	30703464500030713465	50003075127734661014	53003076346710713256	1 / X 1 / X 1 / X 1 / X J 1 HL X 1 H Z,
0067044	07050404141101002610	30663264070505073065	32670704141101002610	30643260077205043065	GEDDLIA VHX Z GEEGX Z GDLIA VHX Z G EDX
0067050	32610766306232600763	05043063326107573066	32620754050430633267	06505000303710120604	Z G X Z G EDX Z G.X Z G-EDX Z F// X4HJFD
0067054	14005400111320003122	51003035161254003117	34271063040414110100	26102000776452003036	L = IKP YR( X2NJ= YO1WH DDLIA VHP ) X3
0067060	52003036540031162177	02770705200075005400	311650007311621777275	52003117060414040100	X3)= YNQ B GEP = YN/ YNQ ) YOFDLDA
0067064	26102000100054003114	20000100540031115000	3042200761754003042	10070716144626043042	VHP H = YLP A = YI/ X7R Q = X7HGGNL7 5X7
0067070	10210705500026155400	27002000141054001200	50003042121734201713	07041405010026105000	HQGE/ VM= W P LH= J / X7J01POKGDLEA VH/
0067074	26723421500030422200	40003521150032313425	50003036510031161604	34245000304334455000	Y IQ/ X7R 5 2QM QO1U/ X3( YNND1T/ X81+/
0067100	31073435500031103436	50003113171107041411	01002610500030343410	50003042341150003043	YG12/ YH13/ YK0IGDLIA VH/ X11H/ X711/ X8
0067104	34125000310734135000	31103414305310063155	10063154510031131701	62105000303534262000	1J/ YG1K/ YH1LX\$HFY HFY=( YKUA H/ X21VP
0067110	25113430500030371013	07073063336505043062	33640403010011135400	30522000224134301404	UI1X/ X4HKGGX O EDX O DCA IK= XIP R61XLD
0067114	60315000307234373231	07353037323206323037	60316040363730443351	12370522500030463331	Y/ X 14ZYG2X4ZZFX4 Y 534X901J4ER/ X-0Y
0067120	05165000304733320512	50003050333305065000	30513334137704041406	01002610020040410404	EN/ X+OZEJ/ X/OOE/ X/OIK DDLFA VH8 56DD
0067124	14100100261030375400	13273040127734053041	34065000310734355000	31103436020037500604	LHA VHX4= KWX5J 1EX61F/ YG12/ YH13B 4/FD
0067130	14070100261030075400	11033006540011065000	31073435500031103436	010011020100307470200	LGA VHXC= ICXF= IF/ YG12/ YH13A IBA 4R
0067134	05133014100316203272	54003774106323002100	54003773300634003000	34061075210077776010	EKXLCNPZ = 4 H S Q = 4 XFL X IFH Q H
0067140	30061203340150010010	34001006061715005300	01063536065536363735	06525000010631363407	XFJCI1A/A H1 HFFOM \$ AF23F 3342F)/ AFY31G
0067144	01003747107132360773	30350467150003673037	60401701601014000100	40403077624030373414	A 4*H 23G X2D M C X4 50A HL A 55X 5X4IL
0067150	14003413145602000336	30110456036200000000	34111700107300000230	30511014070520361104	L 1KL,B C3XID.C 110 H BXX(HLGEPIID
0067154	02000476140034573446	34472000012760103013	12020507307416276010	30131017060530540511	B D L 1.1-1*P AW HXKBEGX NW HXKHOFEX=EI
0067160	01001261305510061610	60103010040301001227	30521013072202001757	04703045127734015001	A J X HFNH HXHDCA JWX)HKGRB O.D X+J 1A/A
0067164	12753401010100002036	110300200047601004215	02001331071004351400	02002347560012450321	J 1AAA -P3ICB D A 7MB KYGH02L B S*, J+CQ
0067170	30451277050620361102	02000476055020361101	02000476020025400100	25613045107134111405	X+J EFP31BB D E/P31AB D B U5A U+H 11LE
0067174	02000336020017340200	14300200145414000200	03363074162060103011	05221400041050001245	B C3B 01B LXB L=L B C3X NP HXIERL DH/ J+
0067200	1375400124501001100	30741626625014440200	03360100011420361103	02000476020047530364	K = J+A I X NV /L9B C3A ALP31CB D B *C
0067204	13001303130614020100	21101404010021103035	12400403010012210100	12110100131514000200	K CKKFLBA QHLDA QXL2J5DCA JQA JIA KML B
0067210	16303021341114040200	03360365010021301410	34013055100616206101	67665053676734451071	NXXQ1ILDDB C3C A KHLHIAH HFNP A /\$ 1+H
0067214	51000515602014073401	30551006210001316101	24615000246512010444	30523371345250002464	( EM PLG1AX HFQ AY AT / T JAD9XJO 1)/ T

RA - E,35700,76000.  
0000000 CM 16.23.30.

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0067220	12770507500024761601	34576030150001001330	75520200166501001406	14100200170630242200	J EG/ T NA1. XM A KX JB N A LFLHB QFXTR
0067224	70003426725215006712	14031701057401001642	01001427305510061610	60403040047030551006	1V JM JLCOAE A N7A LWX HFNH 5X5D X HF
0067230	31406010301005622036	11010200047601002637	01001453305404743652	12771105057030521377	Y5 HXHE P3IAB D A V4A L3X+D 3J JEE XJK
0067234	34521400340134034402	34463074166260101400	34143074166262102000	01453403344730021006	1JL 1A1D1B1-X N HL ILX N HP A+IC1*XBHF
0067240	315510061310360101604	60403010041030433446	30443447300116013404	3043340234434033601	J HFYC HND 5XHDHXK1-X91*XANA1DX81B91C3A
0067244	33540550304610143147	16771071341134013356	04211400341214210200	03361400020003363074	O=E/X-HLY*N H 111A0,DQL 1JLQB C3L B C3X
0067250	16206010305633010503	30043454010014530100	15721277340010033300	13702100333334001071	NP HX,0AECXD1-A L3A M J 1 HCO K Q 001 H
0067254	11330504142210063500	30000356020016650411	11010403142503223006	04743036120701001677	IOEDLRHF2 X C,B N DIIADLUCRXPFD X3JGA NW
0067260	76123426106334061500	65121614170105747552	14263420302134111404	02000336203611030200	JLVH IFM JNL0AE JLV1PX01ILDB C3P3ICB
0067264	04760200434602004702	01004215010016641413	02001706705275523435	14120200170670527552	D B 8-B *BA 7MA N LKB OF J )12LJB OF J )
0067270	34361207036074120100	17051006761234011406	65121704170105743001	34260100164202001573	13JGC JA OEHF JIALF J0DDAE XA1VA N7B M
0067274	5400174430767416306373	17440100173330540564	30741630637024550367	33335502250606052223	= 09X NX 09A 00X-E X NX T C 00 BUFFERS
0067300	55010324112605570000	01001756140034453457	14103401305510061620	61016766150034071466	ACTIVE. A 0,L 1+1.LH1AX HFNP A M 1GL
0067304	60403653530067660502	34533607530067660447	50536767344510715100	05156020302012370555	5313 EB133G3 D/*1 L+M (EM PXPJ4E
0067310	30231064052630451071	34111414020003363011	0442020225505360200	13163045107134111405	XSH EVX+H 1ILLB C3XID7B R E3B KNX+H 1ILE
0067314	02000336344514031600	34403053100131742100	01316010340130401101	05043010111204033001	B C31+LCN 15X\$HAY Q AY H1AX5IAEDXHIJDCXA
0067320	62400100177602001316	14003440305310013174	21000131624001001756	34012000246134021400	SA 0 B KNL 15X\$HAY Q AY 5A 0,1AP T 1BL
0067324	4402360230025240572	30011003110110015400	24651073110404313024	10711207340120002407	9B3BS UTE XAHCIAHA- T H IDDYXTH JG1AP TG
0067330	34021402350240020506	14760200033601001261	3323056550020015301	24265400247014105400	18L82B5BFL B C3A J 0SE /B A\$ATV- T LH-
0067334	24663022540024671401	54002477200040005400	25023024127754002503	15005400250414045400	T XR- T LA- T P 5 = UBXTJ = UCM = UDLD-
0067340	25101407100654002512	14073401305510062100	01316301246130522200	01003371355230511237	UHLGHF= UJLG1AX HFQ AY AT XIR A 0 21X(J4
0067344	55002250307416266250	30756370224701000114	21010300000000000131	01002254200024363401	R/X NV /X R*A ALQAC AYA R=P T31A
0067350	03034502360140013402	30211712057130213411	14120200033614200200	170675520200147070504	CC+BA5A1BXQOJE X01ILJB C3LPB QF JB LGED
0067354	30351201034411010506	30351006060314320302	14253420302134111404	02000336203611030200	X2JAC9IAEFX2HFFCLZCBLU1PXQ1ILDB C3P3ICB
0067360	047600200434602004702	01004215140034143074	1662621015001002346	31563411335604101400	D B 8-B *BA 7ML LLX N HM A S-Y,110,DHL
0067364	5400012142102000336	30113401307416626010	30113401307416626010	30013414307416626210	= JLQB C3X11AX N HXAEDXLFHGXAILX N H
0067370	30010404145402000336	30010100234603200010	14200041142100421422	00431423004414240045	XADDL=B C3XAA S-CP HLP 6LQ 7LR 8LS 9LT +
0067374	00004000400040004000	50005000600070001403	14171421163116361642	16711672167717001704	5 5 5 / / LCLQLQNY3N7N N N 0 00
0067400	17101713230122671104	14055700000000000000	34231200107300000351	02003262140034573463	OHOKSAR IDLE. 1SJ H C1B Z L 1.1
0067404	34671404344214005442	36215442362637420671	02001251142360103035	34113037341414236210	1 LD17L -73Q-73V47F B J1LS HX21IX41LLS H
0067410	30630516020031773027	12020507020031010200	16233063050301001232	30373264060331400706	X ENB Y XWJBEGB YAB NSX ECA JZX4Z FCY5GF
0067414	30353265062031360664	02002623040606123057	05561500030330570552	02003062032330570432	X2Z FPY3F B VSDFJX.E,M CCX.E)B X CSX.DZ
0067420	02002522306204260200	31560503020021721450	60103014041530671702	06121406540020712000	B URX DVB Y,ECB Q L/ HXLDMX OBFJL = P P
0067424	30125400233701001102	14440200033620000041	60103010220037773410	14416210010001140100	XJ= S4A 1BL9B C3P 6 HXHR 4 IHL6 HA ALA
0067430	12502000330734411400	34073426344034364441	14206010160560002100	01736030160560203033	J/P OG16L 1G1V151396LP HNE Q A XNE PXO
0067434	32143437302332043435	36073325044330071007	16206010160560002100	01736030160560201070	ZL14XSZD123G0UD8XGHNPN HNE Q A XNE PH
0067440	33250505303434333024	3423303321332143537	30145407340734053023	3203320435350045407	OUUEX110XT1SX0ZKZL24XL-G1G1EXS2CZ022X0-G
0067444	34473406140054073347	30071007162160103010	05043626010013023013	12773442540735473007	1*1FL =G0*XGHNQ HXHED3VA K8XKJ 17=G2*XC
0067450	10071622601016406030	160160433011540733507	21777677075321770100	05053027130211023427	HGMR HN5 XNA 8X1-G2GQ G3Q A EEXKKB1B1W
0067454	30120423200040005507	33473005310605030100	13023005354030063536	20004000350701001520	XJDSB 5 G0*KEYFECA KBE25XF23P 5 2GA MP
0067460	30055542362130065542	36263034042410060764	30053234061730113263	07563563300734623034	XE 73QXF 73VX1DTHFG KE21FOXIZ G,2 XG1 X1
0067464	32053464140034651500	34610325304704231006	07213006324706163011	32630713356330073462	ZEL L 1 M 1 CUX*DSHFGQXZ*FNXIZ GK2 XG1
0067470	30473206346514003460	15003460200377603211	07322000330634013601	40010417123734025002	X*ZF1 L 1 M 1 P ZIGZF OF1A3A5AD0J418/B
0067474	35073211066730413402	50027776440237023301	05723007440136411440	44413007123734070100	G2Z1F X61B/B 9B40AE XG9AJ6L 96XGJ41GA
0067500	13022177001407362036	23010200047602003726	30630565032550002152	54002071570023371404	K8Q LG3P35AB D B 4VX E CU/ QI= P . S4LD
0067504	34421500544236335442	36075442364054423614	37420665030301001622	14003457346350002153	17M -730-73G-735-73L47F CCA NRL 1.1 / Q3
0067510	54001575150034671404	60431402354360303344	05030100157330300467	30431601602030341340	= M H 1 LD 8LB28 X09ECA M XGD X8NA PX1K5
0067514	23000100540017110405	23000100055234223407	30242177767707043022	24000325302417120625	S A = 0IDES A E1R1GXTO GDXT CXUTD1JFU
0067520	50242155042254001177	01001706200017100404	14003423342220007760	34243607302432630603	/TO DK= OGA OFP OHDDL 151RP 1T3GXZF FC
0067524	01001637051430201277	34203066522036450766	05043064322306623033	12773442170506551400	A N4ELXPJ 1PX 1P3+G EDX ZSF X0J 170EF L
0067530	34053406302604133023	3237324000206063022	32353236040407030100	20661500340103052042	1E1FXVDKX52425DBFFXRZ2Z3D0GCA P M 1A1B/7
0067534	36333223072750423640	32220723504236075242	36213223060431050713	34015042361452423626	30ZSGW/735ZRG5/73G1730ZSF0YEGK1A/73L173V
0067540	32220611130634020606	14005400157501001637	30013461300234603024	34633023346430223465	ZRF1YF1BFFL = M A N4XAL X81 XT1 X51 XRI
0067544	30663467502036453466	30431601345730776230	61703171300754002331	01001637302712010573	X 1 /P3+1 X8NA1.X X Y XG= SYA N4XWJAE
0067550	24003037314034033035	31363404304134013701	40010434123734025002	33471006076750023507	T X4Y51CX2Y31DX61A4A5AD1J41B/B0*HFG /B2G
0067554	32240663500235473342	05075002340735055002	34473506500234073503	50023447350403423003	ZTF /B2*07EG/B1G2E/B1*2F/B1G2C/B1*2DC7XC
0067560	32230706300432220703	01001771010016370372	03250542000000001710	17131716171317161716	ZSFGXZDRCCA O A N4C CUE7 OHOKONKONON

RA = E,35700,76000.  
0000000 CM 16.23.30.

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0067564	17131713020031330100	21713062230060003411	12371007347414370200	03363011056030643411	OKOKB YOA Q X S IIJ4HG1 L4B C3XIE X II
0067570	140034121421020000336	30110412140034111462	02000336020031330100	24353074162560103014	L 1JLQB C3XIDJL I1L B C3B YOA T2X NU HXL
0067574	3365042230653411401	34121421020003363011	04111400341134121421	02000336010022203057	O DRX I1LAIJLQB C3XID1L I1JLQB C3A RPX.
0067600	17016030306235341071	34073057170162301400	34341466601030573410	30741621623016506210	OA XX 21H LGX.OA XL I1L HX.IHX NO XN/ I
0067604	30071100040214011100	34013033127710143301	02003227320116036030	14666020303034202000	XGI DBLAI IAXOJ HLOAB ZWZANC XL PXXIPP
0067610	00000505306334213212	06033012342130311006	34141063341330310402	14401140330110063412	EEX IQZJFCXJIXYHFILH IKXYDBL5150AHF1J
0067614	30323411041020000106	60303031351110633130	34103074162262201601	62103007110004055700	XZII DHP AF XXY2IH YX1HX NR PNA HXGI DE.
0067620	24142000230323340112	10143430107113773362	34311401343214003433	30573434145060103014	TLP SCS1AJHL1XH K O 1YLA1ZL 10X.I1L/ HXL
0067624	04253077623014530200	03363011041630253411	10073474143702000336	20001401540024140100	DUX XL\$B C3XIDNXUIHGI L4B C3P LA= TLA
0067630	21711441601030102200	37773410144162103075	62300100011430411701	34013040052740010425	Q L6 HXHR 4 IHL6 HX XA ALX60A1AX5EW5ADU
0067634	12373411501135073263	06175011340735405011	34473536141502000336	40011237230040004401	J411/I2GZ FO/I1G25/I1+23LB C35AJ45 5 9A
0067640	01002521140034623401	34023026050301002466	14206043304631473404	36013225065630011007	A UQL I 1A1BXVECA T LP 8X-Y+103AZUF,XAHG
0067644	16206043160160103010	05623001340336013325	04133001100716206043	16016010301004651400	NP 8NA HXHE XA1C3A0UDKXAHGNP 8NA HXHU L
0067650	03023047314632043404	32020616300432640707	30033462300434023264	04030100253501002521	CBX*Y-ZD1DZBFNXDZ GGXC1 XD18Z DCA U2A UQ
0067654	30020464326406700361	01002622304134073037	31403405303531363406	30571701060430621007	XBD Z F C A VRX61GX4Y51EX2Y31FX.OAFDX HG
0067660	16216010301312773442	37074007043112373442	50013347100607675001	35073263066320002000	NQ HXKJ 174G5GDYJ41A/AO+HFG /A2GZ F P P
0067664	45072000200055013347	50013407350550013447	35060345300532643405	07073006326506071500	+GP P AO*/A1G2E/A1*2FC+XEZ IEGXFZ FGM
0067670	01002622140001002622	34063105050301003006	30073404360440041237	34010467500133471007	A VRL A VRLFYECA XFXG1D3D5D41AD /AO+HG
0067674	06673005520134070763	34003006520134470756	34025001354733420515	30615201340707453403	F XE1A1G6 I XF1A1*G,1B/A2*07EMX JA1G6+IC
0067700	30605201344707403460	30033461300034053002	34064004220057774404	20775777550133470100	X JA1*G51 XC1 X 1EX81F5DR . 9DP . AO*A
0067704	27253607400704301006	07731001067110701237	44115011340735405011	34473536141502000336	MU3G5GDYHFG HAF H J411/I1G25/I1+23LB C3
0067710	40072200177723004000	44070346140101002622	01003043340220000000	04723401300202003244	5GR D S 5 9GC-LAA VRA X81BP D IAXBB Z9
0067714	14005400304703620100	30610402140116623401	30621007350160101500	34143001621003610100	L = X* C A X DBLAN IAX HG2A HM 1LXA HC A
0067720	31001405600520003645	32055400313036056010	33070463301010060671	10030767301410031612	Y LE EP 3+ZE= YX3E HOGD XHHFF HCG XLHCNJ
0067724	60103010540536450357	01003132140004103057	60103062100635103057	62101400020030440361	HXH+E3+C.A YZL DHX. HX HFXHX. HL B X9C
0067730	30575400304714000100	31553057340130776370	31711403020032440461	03640000000000000000	X.= X*L A Y X.IAX Y LCB Z9D C
0067734	00000100317614043442	304210141110402003227	30115442363330125442	36073013544236403014	A Y LD17X7HLD B ZWXI=730XJ=73GXX=735XL
0067740	54423614374206550350	01003226340010663500	14046010301310143114	31006010036301003243	=73L47F C/A ZV1 H 2 LD HXKHL YLY HUC A Z8
0067744	540032502000032473412	300134111440202000336	30110362010032613074	10703425200001276010	=Z/P Z*1JXA11L7B C3XIC A Z X H 1P AW H
0067750	30131207342714436010	30101014066050002154	54001674035300000000	342320001073000000334	XKJG1WL8 HXHHLF / Q=- N C\$ 1SP H C1
0067754	14003425020012060727	20000127601030131204	55001561020016720200	14510200173502002024	L IUB JFGWP AW HXKJDM M B N B L1B D2B P1
0067760	20000111623030460403	02002123302534010415	55001160144160102077	27373510144162101454	P AI XX-DCB QSXU1AD I L6 HP 4 2HL6 HL=
0067764	02000336307410705501	11643075637011630100	01143423120000000000	00003403130000020000	B C3X H AI X I A ALISJ ICK B
0067770	00003404230000220000	77641444637314240100	1205200010660301400	34463074340703112000	10S R L9 LTA JEP AF XL 1-X 1GCIP
0067774	77763221076234013045	54011424207775773507	04471070344530071621	60101651602030100463	ZQG 1AX+=ALTP 2GD*H 1+XGNO HNE PXHD
0070000	301312773401117050656	30201071040517060651	16063401300716226020	16016060162560023003	XKJ IAOEF,XPH DEOFF(NF1AXGNR PNA NU HXC
0070004	13375445137435463021	21770014070301001217	30212177767706030100	12272177011706733062	K4=+K 2-XQQ LGCA JOXQQ FCA JWQ AOF X
0070010	10711273450013553001	11030507300210070723	10020721030630071664	60100200264602002346	H J4= K XAICEGXBBGGSHBGQCFCGN HW V-B S-
0070014	07100200232405050200	26170625140010563402	30011014230013540200	27343007162260203011	GHB STEB VOFUL H,1BXAHL8 K=B W1XGNR PXI
0070020	34033221070330020403	02002537010012270000	00000000000000000000	00000000000000000000	ICZQGCBDCB U4A JW
0070024	00000000000000000000	00000000000000000000	00000000000000000000	00000000000000000000	
0070030	00000000000000000000	0000000014534111404	02000336010014501402	34111432020003363077	LM1LDB C3A L/LB1LZB C3X
0070034	61143220301110015500	14613447140460301415	34111412020003361402	35306010333104403010	LZPXIHA L 1*LD XLM1ILJB C3L2X HOYD5XH
0070040	04713014134010141710	06641610340250021661	34013014124023002000	54001542301312771705	D XLK5HLOHF NH1B/BN IAXLJ5S P = M7XKJ DE
0070044	06451605101433011006	54001543101402002734	20000000234010005034	20007760341230301601	F+NEHLOAHF= M8HLB W1P 55A DEP IJXXNA
0070050	60203002110404203014	16000513302432110710	30243212060536243030	16016220010014763020	PXB1DDPXLN EKXTZIGHXTZJFEFTXNA PA L XP
0070054	10714447117705103724	05643722073715003424	03571177050430221101	04253724042530225447	H 9*I EH4TE 4RG4M 1TC.I EDXRIADU4TDXR=*
0070060	00014147044330301601	54470002302454470003	30125447000414053547	03143024341230306040	A6*8DXXNA=* BXT=* CXJ=* DLE2*CLXT1JXX 5
0070064	30123424303002002214	30306240010015720000	00010002000200010000	00000000010016711404	XJ1TXXB RLXX 5A M A B A A N LD
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0070104	14053530034650300002	602017016040500300004	34245030000217010200	221435030000262201701	LE2XC-/X B POA 5/X D1T/X BUAB RLX B PUA
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RA = E,35700,76000. EXPRESS 11 DSGI - V2.0 79/10/30. 15.19.49. PAGE 72  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 GLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

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RA = E,35700,76000. EXPRESS 11 DSD1 - V2.0 79/10/30. 15.19.49. PAGE 74  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

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0071054	14666040305210710571	20001565400103601144	11461150115215500000	44013400622200000050	L 5X)H E P M IAC L91-1/1)M/ 9A1 R /
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0071064	00000204622702132320	06723342715671570000	0204622702132320225	72334271567157000204	BD WBKSPF 07 , . BD WBKSPF 07 .
0071070	62320306272100004142	63370310050313552017	11162455233123240515	57000206642003171624	ZCFR 67 4CHECK POINT SYSTEM BF PCONT
0071074	11162505723342715700	02046240032071567157	00000204635103227156	71570000020463510401	INUE 07 . BD 5CP , . BD (CR , . BD (DA
0071100	24055777000042316247	04013106111405567157	00000207625504050225	07570000400050360405	TE. 7Y *DAYFILE , . BC DEBUG. 5 /3DE
0071104	14013156740002106227	04110114567156740000	02036227041123010214	05565572011677000213	LAY, BH WDIAL, . BC WDISABLE, AN BK
0071110	62270411230102140556	55721732770002146227	04112320140131567157	0000022622704172716	WDISABLE, OZ BL WDISPLAY, . BR WDOWN
0071114	56031071570012266264	04172716560310715605	21715700122662640526	11032456715700000223	,CH . JV DOWN,CH ,EQ . JV EVICT, . BS
0071120	62270571735645467371	57005141622705717356	45467356715700005141	62270571735645467372	WE ,+ . (6 WE ,+ , . (6 WE ,+ .
0071124	33375671570051416227	05717356454673047400	51416301000000000000	44014000622200000037	O4, . (6 WE ,+ - D (6 A 9A5 R 4
0071130	02006313020054251757	04173024340436640200	54253024340130061014	33076020300154040020	B KB =UD.OOX1D3 B =UXTIAXFHLOG PXA=D P
0071134	30061014330762200100	63520200631336641466	60201420340140640413	10064401366440640406	XFHLOG PA )B K3 L PLP1A5 DKHF9A3 5 DF
0071140	45013664360111250564	30061014330762200100	63520100631202005425	11570510200046773464	+A3 3A1UE XFHLYG PA JA JB =UI.EHP - 1
0071144	02005744020054253047	16206010301312771006	31243407106335233013	10713123127734063064	B .9B =UX*NP HXKJ HFYTIHG 2SXXH YSJ 1FX
0071150	34053664034030055400	63611400020045122000	63603405340140051745	04171701050301006435	1E3 C5XE= L B +JP 1E1A5E0+DDOAECA 2
0071154	01004421460517430730	47051157040714334405	37052177310006642000	47723402400254020001	A 9Q=EO8GX*EI.DGLO9E4EQ Y F P * 1B5B=B A
0071160	37023205057214345402	00013660360103124705	17330607144244053705	21773100066736014001	4BZEE L1=B A3 3ACJ+E00FGL79E4EQ Y F 3A5A
0071164	17040502362130012177	31000100441700000000	44014100622200000051	02006327020054251757	00EB3AXAQ Y A 9D 9A6 R (B WB =UD.
0071170	04153024340436640200	54253024340330076020	30035404002030076220	34121400341130066020	DMXT1D3 B =UXTICXG PXC=D PXG P1JL 1IXF P
0071174	30220503010044143024	34143023220007772300	300034131444502005625	01006443020063273664	XRECA 9LXT1LXSR G S X IKL+B ,UA 8B W3
0071200	14666020142034014064	04131006440136640604	04064501366436011125	05640100625101006326	L PLP1A5 DKHF9A3 5 DF+3 3A1UE A (A V
0071204	02005425115705102000	46773464020057440200	542530463334504153047	16256010301312071011	B =UI.EHP - 1 B .9B =UX-O+DMX*NU HXKJGHI
0071210	35241063352330131074	35231401342214066030	30341074322307100511	30341207101132240702	2TH 2SXXH 2SLA1RLFL XX1H ZSGHEI1XJGHI2TGB
0071214	05030100441430451007	21000100622034061620	34071466602030063412	16016220140034112000	ECA 9LX+HGQ A P1FNPIGL PXFLJNA PL 1IP
0071220	60003413304633450402	30463414144502005625	30643405366401006326	30055400645214000200	1KX-O+DBX-1LL+B ,UX 1E3 A VXE= JL B
0071224	45122000645134053401	40051745041217010437	01004421460517430724	14334405370521773077	+JP (1E1A5E0+DJOAD4A 9D=EO8GTLO9E4EQ X
0071230	0667147233040550054700	54054701370506721434	54004700366036010312	47051733060714424405	F L 1E/E+ =E+A4EF L1= * 3 3ACJ+E00FGL79E
0071234	37052177307706673601	40011704050236013001	21773100010044170000	44014000622200000040	4EQ X F 3A5A0DEB3AXAQ Y A 9D 9A7 R 5
0071240	02005425302434250100	44210200640130243411	14040200562503660200	64016500442675400371	B =UXTIUA 9QB AXT1I1LDB ,UC B A 9V 5C
0071244	02006401366402005425	14006400442630245400	62677740626603610200	64016400442674400371	B A3 B =UL 9VXT= 5 C B A 9V 5C
0071250	02006401670044266500	44267040342503660200	64016600442665004426	30257240036602006401	B A 9V 9V 51UC B A 9V 9VXU 5C B A
0071254	64004626774020001477	17010576640044217740	17000361140503021404	10113404020054252000	9V 5P L OAE 9Q 50 C LECBLDHI1DB =UP
0071260	01236010301404243020	31213122312305173024	17220614302410063411	30043413304534461445	AS HXLDTXPYQRYSEXDXTORFLXTHF1IXD1KX+1-L+
0071264	02005625034001004414	01006400020054253024	17400614200064343401	20006436340236014001	B ,UC5A 9LA B =UXT05FLP 1IAP 31B3A5A
0071270	04053324057301004414	360240002045134014001	13373324440103670010	00006247625162616266	DEOTE A 9L3B5BD11A5AK40T9AC H * (
0071274	62736275630163036305	63126314631763236325	63326334000000000000	34040400150400000054	A C E J L O S U Z I 1DD MD =
0071300	30025400163530113403	60266030360360401403	60203021101431221647	63731617302304030100	PB= N2XIC V X3C 5LC PXQHLRYN* NOXSDCA
0071304	20063032167710710502	14013445146660113040	34050516140434121455	0200033601134403014	FXFNZ H EBLA1+L IX51EENLD1JL B C3X15XL
0071310	34413442056201001772	14063417307761171073	02000513140454000105	14666010304234123406	1617E A O LF10X OH B EKLD= AEL HX71J1JF
0071314	304334027314552000106	07263040341114550200	03365600175330143446	05143615031261120556	X81GY+) AFGVX51IL B C3, O5XL1-EL3MCJ JE,
0071320	01000420777300000000	30713532307154001132	20777677353206035500	11323026101431276171	A DP X 22X = IZP 22FC 1ZXVHLW
0071324	11333007160154001131	53000106043320301131	02000563060416010442	36153071352710633526	10XGNA= IY\$ AFDOPIXB E FDNAD73MX 2VW 2V
0071330	36073443530001060506	34073443304634063442	37450407010016433046	54001131054254001131	3G18\$ AFEF1G18X-1F174+DGA N8X-- IYE7= IY
0071334	54001132300362406170	11401427617311452000	11310200056306041601	04563615020005663077	= IZXC 5 15LW I+P IYB E FDNAD,3MB E X
0071340	63171071340010133305	34113006220037773412	30073413144302000336	30150424307416226010	OH L HKOE1IXF R 4 IJXG1KL8B C3XMDTX NR H
0071344	30112177001706061421	34111440020003361402	60103613100716356370	20311400343237036230	XIQ OFFLQ1IL5B C3LB H3KHGN2 PYL 124C X
0071350	14653410302110143122	16036110750034040455	01022457000000000000	42230500765500000021	L IHXQHLRYNC H 1DD ABT. 7SE Q
0071354	40011142051050000476	54007724301634010306	30164403301754030001	40013412500100013413	5A17EH/ D = TXN1ACFXN9CXO=C A5A1J/A AIK
0071360	14610200033630111377	05103011510005156004	30041007060301000173	14026004600630041014	L B C3XIK EHXII EM DXDHGFC A LB D FXDHL
0071364	33050471020077640405	36051063350403663707	06033706360730061014	33070200776405663004	OED B DE3EH 2DC 4GFC4F3GXFHLOGB E XD
0071370	10143305621001007701	01007763601030111377	43011006331010065301	00010364000076610260	HLOE HA AA HXIK 8AHFOHMF3A AC B
0071374	40252000756700000034	40024021400122002100	05132000562254007505	02000566200675000200	7EP 15BDQ5AR Q EKP ,R= EB E PF B
0071400	04421400033154000107	46021466341030717610	750030741636563737500	400112200432010007534	O7L CY= AG-BLF1HX H X N2 5AJPDZA 1



0071404	30715500766350007531	22004017540001035000	75333410500001020403	54100001140054000102	X / YR 50= AC/ 01H/ ABDC=H AL = AB
0071410	14000110000024000566	50007532540001034001	10100740100107135000	75331601340240025400	L AH B E / Z= AC5AHHG5HAGK/ ONA1B5B=
0071414	01022000026242004001	10130736101607302006	75000200044250007531	10140622200075000200	ABP B 9B5AHKG3HNGXPF B D7/ YHFRP B
0071420	04425000010512100406	14360200033601000114	01007637100507630100	753414000200033603074	D7/ AEJHDFL3B C3A ALA 4HEG A 1L B C3X
0071424	16206010301111220450	50000112540077700000	05763701055730741635	62010351757375310556	NP HXIIRO// AJ= E 4AE.X N2 AC1 YE,
0071430	23062000107300000031	24002400020011342000	00000405233523000200	04760100111314440200	SFP H Y T B IIP DES2S B D A IKL9B
0071434	03360100011434462007	11465400111410635400	11050351010011335000	02603435500002613436	C3A AL1-PGI=- ILH = IEC(A I0/ B 12/ B 13
0071440	20001211340614033506	40061277043533351014	53060001333605655006	00025400111440061071	P J11FLC2F5FJ D202HL\$F A03E /F B= 1L5FH
0071444	12375400110540061064	05163053127710143354	10760404107232560705	14121102010011220100	J4= IE5FH ENX\$J HLO=H DDH Z,GELJIBA IRA
0071450	11330123242311460215	23041146032006051146	04010305114605022215	11464603132011460622	IOASTSI-BMSDI-CPFEI-DACEI-EPRMI--CKPI-FR
0071454	05211150460415201154	46041504115446040520	11524604050411521004	3332161110611161146	EQI/-DMP1--DMDI=-DEPI1-DEDIJDH00Q IFINI-
0071460	40230620112200000000	41041100055100000052	10560100055703140100	05620334010005651400	55FPIR 6DI E( )H,A E.CLA E CIA E L
0071464	34134471020007660370	54000613477107053107	53000631040302000671	14040200075371000612	1K9 B G C = FK* GEYG\$ FYDCB F LDB G\$ FJ
0071470	05325000056003355400	06451063540006404771	07053107230006300403	02000671407104032000	EZ/ E C2= F+H = F5+ GEYGS FXDCB F 5 DCP
0071474	000011350200075201354	06440516500005636600	06517540540006701412	020007531407171000013	I2B G\$ F9EN/ E F1 5= F LJB G&LA K
0071500	05253013052401000667	00003076601030100574	30776204147202000336	37144471310754000631	EUXKETA F X HXHE X DL B C34L9 YG= FY
0071504	03040331540001040200	07663012041202000753	70402200200034130563	14104511307716016010	CDCCY= ADB G XJDJB G\$ 5R P IKE LH+IX NA H
0071510	14000200075314047300	00110521500006710100	06517400200005020100	07526400105376001601	L B G\$LD IEQ/ F A F( P EBA G) H\$ NA
0071514	65000747067401001053	01000765500001103410	33130471137710060734	05113010121004067640	G*F A H\$A G / AH1HOKD K HFG1E1XHJHDF 5
0071520	16010703640010043077	62041433020003364500	50101035340036103014	17000570307760043010	NAGC HDX DLOB C3+ /HH21 3HXLD E X DXH
0071524	44110340301034710317	06120644065106530662	0722074007470540756	07601003100610231431	9IC5XK9 COFJF9F(F\$F GRG5G+G=G,G HCHFSLY
0071530	01000263500001301064	21001401540007345000	05545400077401000507	42041100747300000050	A B / ACH O= GI/ E= G A EG70I /
0071534	76102000273103043402	20002331036700001410	34105010750054101055	37100672307762041472	HP WYCD1BP SYC LH1H/H =HH 4HF X DL
0071540	02000336350140011237	34103004321045013010	05672000060752000671	10573410107634125000	B C32A5AJ41HXDZH+AXHE P FG) F H.1HH 1J/
0071544	01020406541005601400	54000102407110711760	06376502757267027570	70423414754414202000	ABDF=HE L = AB5 H D F4 B B 71L 9LJB
0071550	07537050340154000104	14230200075314247103	75360433754177110414	14123400370007121601	G\$ /IA= ADLSB G\$LT C 300 6 IDLLJ1 4 GJNA
0071554	06760617640276157403	32770676754001007745	22024003040214021106	11070100774630011015	F F0 B M CZ F 5A +RB5CDBLBIFIGA -XAHM
0071560	04700606500075462200	02000462400001645500	77175000755210060715	30011011064410030605	D FF/ -R B D P A O/ IHFGMXAHIF9HCFE
0071564	40022177100006411421	01007746500001010503	50000645440234011554	54000560170354001055	5BQ H F6LQA -/ AAEC/ F+9B1AM= E OC= H
0071570	14430100061006721477	54000103500005635400	05602000106154000563	50000645440230015400	L8A FHF L = AC/ E = E P H = E / F+9BXA=
0071574	06451400540006403707	14043411200002635400	10554002540077653413	30771602637077171601	F+L = F54GL01IP B = H 5B= 1KX NB DNA
0071600	63700000637001021427	02000336441101000262	00000000751075630613	42231100756200000035	ABLWB C39IA B H FK7SI 2
0071604	50000105120405250200	05662006750002000442	30776370750017016170	75625000750454007564	/ AEJDEUB E PF B D7X DA / D=
0071610	50000105120404030100	06725000766134102000	75653402560076223401	40010463401010710200	/ AEJDDCA F / IHP 1B, R1A5AD 5HH B
0071614	76674010127702007667	36104301056554020001	20005755440220067562	02000442034075367546	5HJ B 3H8AE =B AP. 9BPF B D7C5 3 -
0071620	75567562000001007666	34001003330013702100	33334402360203650100	76015000753316013414	, A I HCO K Q 009B3BC A A/ ONA1L
0071624	23000560040214323411	50001065053050007531	12200456400112400434	50007552220007775100	S E DBLZ11/ H EX/ YJPD,5AJ501/ )R G (
0071630	06133410500075534310	441036105000044544310	44104002040444141400	440220000262540007620	FK1H/ \$8H9H3H/ =8H9H5BDD9LL 98P B = P
0071634	01007567500006132177	10000610401444022000	10564414560010651414	01110610770201040102	A / FKQ H FH5L98 H,9L, H LLA1FH BADAB
0071640	4227110077320000010	36075000061354000631	30020527560077745000	01010407500005605400	7MI Z H3G/ FK= FYXBEW, / AADG/ E =
0071644	05630100067202000566	50000105121004061436	02000336010001141500	01000557000077360000	E A F B E / AEJHDFL3B C3A ALM A E. 3
0071650	34150200107300000037	20000112603014016010	30132200030034456416	112657001201570001202	1MB H 4P AJ XLA HXKR C 1+ NIV. JA. JB
0071654	65151155144360103013	10160730305205260200	125502001025200007000	02001200344020002166	MI L8 HXKHNGXX)EVB J B JEP B J 15P Q
0071660	02001200304504052000	22620200120030400405	20351504020004761444	02000336140034313030	B J X+DEP R B J X5DEP2MDB D L9B C3L 1YXX
0071664	22003777343020000112	62300100011401001177	72167016037301001204	30450474303417120771	R 4 1XP AJ XA ALA I N NC A JDX+D X10JG
0071670	20004262020012002000	10130200120004602000	13040200120005533634	10630403150034342000	P 7 B J P HKB J D P KDB J E\$31H DCM 11P
0071674	20130200120020004260	02001200200022600200	12000100120401001254	30331712077320004166	PKB J P 7 B J P R B J A JDA J=X00JG P 6
0071700	02001200200010030200	12000462200012670200	12000555363310630403	15003433200020030200	B J P HCB J D P J B J E 30H DCM 10P PCB
0071704	12003045044220004250	02001200200022500200	12000100125400000000	00000000000200000000	J X+D7P 7/B. J P R/B J A J=
0071710	1404030000000000104	50000000000100000101	61100000015120000005	51100000062020610611	LDC AD/ A AA H AIP E(H FPP FI
0071714	62727777434355213777	07700001236167777775	06600001235462054710	61600000106100046000	88 Q4 G AS F AS= E*H H D
0071720	547716766105600000107	51700000645110000003	71600000307170000011	11151126161271754610	= N E AG( (H C X IIMIVNJ -H
0071724	53760706077677674700	54671546615466154761	51170001217160000001	76200010000013146000	\$ GFG * = M- = M* (O AU A P H KL
0071730	71600411212065046000	01000001446100046000	02012311035300000000	2423225165300000000	DIQP D A A9 D BASIC\$ TSRUN\$
0071734	71100002007660046000	01000001726100046000	71600411212065046000	01000001446100046000	H B D A A D DIQP D A A9 D
0071740	10611010000014446000	51200001407212000000	00000000006100046000	20652126624320120252	H MH L9 (P A5 J D P QV 8PJR)
0071744	12662516000014010611	51600001375110000136	04000001276100046000	14042220000000000137	J UN LAFII A4IH A3D AM D LDRP A4

RA = E,35700,76000.  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

EXPRESS 11

SDSI - V2.0  
NDS 1-RJ03T/R2B.

79/10/30. 15.19.49.  
NUS 1.4 STUDY DUMP.

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0071750	00000000000000000000	00000000000000000000	54110201230331000143	01300000006100046000	-IBASCY ABAX D
0071754	04000001476100046000	00000000006100046000	51100000010311000145	54610040000014346000	D A+ D D (H ACI A+= 5 LI
0071760	51100001411061146000	51100000660321000152	511000001421061146000	51600001435110000001	(H A6H L (H CQ A)(H A7H L ( AB(H A
0071764	10611010000014246000	20652010000014446000	5110000010311000155	0000000006100046000	H HH LT P PH L9 (H ACI A D
0071770	51100000010311000156	71602203140400000154	71102203142760120652	12662010000014446000	(H ACI A, RCLD A= HKCLM JF)J PH L9
0071774	0000000006100046000	53120201730331000163	030100001635110000001	03010001610400000164	D \$JBA CY A CA A (H ACA A D A
0072000	20151460006100046000	71601523072065212661	01000001446100046000	0000000006100046000	PML D MSGP QV A A9 D
0072004	20630121617361020123	03210001672015113116	20636516000017774660	12116040000017046000	P AQ BASCO A PMIYNP N U - JI 5 OD
0072010	00000000000000000000	55111414050701145503	17152011140522552320	05031106110504570000	ILLEGAL COMPILER SPECIFIED.
0072014	00000000000000000000	01022001411406011073	01040301411406031073	02012401411406151073	ABPA6LFAH ADCA6LFCB BATA6LFMH
0072020	03111744647703401073	03152301411406271205	03200401411406341073	03201501411406451073	CIO9 C5H CMSA6LFWJCPDA6LFIH CMA6L6F+H
0072024	03203401411406531073	03223401411406661073	03253001411407011073	03261401411407021073	CPIA6LFSH CRIA6LF H CUXA6LGAH CVLA6LGBH
0072030	04040601411407101073	04112301411407121073	04170701411407261073	04232001411407321073	DDFA6LGHH DISA6LGJH DQGA6LGWH DSPA6LGZH
0072034	04233401411407431073	05141501411407521073	05302501411407541073	05310501411407561073	DSA6LG8H ELMA6LGIH EXUA6LGH EYEAGL6,H
0072040	06042001411407661073	06242001411410001073	10061501411410071073	11140401411410111073	FDDPA6LG H FTPA6LH H HFMA6LGH LIDA6LHMH
0072044	11152301411410131073	14040445274404251073	14042145337101671073	14042245265700651073	IMSA6LHKH LDD+W9DUH LDQ+O A H LDR+V. H
0072050	14061545474402741073	14203401411410251073	15140401411410351073	17252401411410431073	LFM+*9B H LPIA6LHUH MLDA6LH2H OUTA6LH8H
0072054	17354101411410461073	20061546035607101073	20062501411410611073	20112001411410711073	O26A6LH-H PFM-C,GHH PFUA6LH H PIPA6LH H
0072060	21010347030703621073	21012001411410771073	2106150141141031073	22041501411411141073	QAC*CGC H QAPA6LH H QFMA6LICH RDMA6LILH
0072064	22202645610002771073	23022001411411211073	23061501411411231073	23112001411411341073	RPV+ B H SBPA6LIQH SFMA6LISH SIPA6LIH
0072070	23141401411411441073	23152001411411551073	23200401411411601073	23241501411411611073	SLLA6LI9H SMPA6LI H SPDA6LI H STMA6LI H
0072074	24032345112410431073	24143001411411651073	24150701411411671073	26051201411411731073	TCS+ITH8H TLXA6LI H TGA6LI H VJMA6LI H
0072100	27221501411411761073	30232001412700031073	33012501412700060000	33012645433601730000	WRMA6LI H XSPA6W CH OAU6W F OAV+83A
0072104	33020645412500760000	33022001412700070000	33031101412700150000	33040645422301130000	OBFA6W G OCIA6W M ODF+7SAK
0072110	33060145462300240000	33201101412700160000	33220645464700750000	3322045453100720000	OFA+S T OPIA6W N ORF++* ORP++Y
0072114	33241101412700170000	33261201412700200000	34011245076401401073	34030401412700231073	OIA6W O OVJA6W P LAJ+G A5H LCD6A6W SH
0072120	34031201412700351073	34031345356001761073	34040346647104611073	34040447127700541504	ICJA6W 2H ICK+2 A H IDC- D H IDD+J =MD
0072124	34041447075701001073	34042301412700441073	34050401412700571073	34111746715202301073	IDL*G.C A H I0SA6W 9H IEDA6W .H IIO- 18XH
0072130	34112301412700701073	34142346635201171073	34142401412700741073	34150145375601471073	IISA6W H ILS-1ADH ILLA6W H IMA+4,A*H
0072134	34150247165000371073	34152201412700771073	34152446471203541073	34221145637703551073	IMB+N/ 4H IMRA6W H IMT-*JC-H IRI+ C H
0072140	34221745722004701073	34222001412701071073	34231101412701101073	34231246740203511073	IRO+ PD H IRPA6WAGH ISIA6WANH ISJ- BC(H
0072144	34232046775303341073	34240146317602551073	34240401412701124176	34240501412701201073	ISP- \$CIH ITA-Y B H ITDA6WAJ6 ITEA6WAPH
0072150	34241601412701304176	34241746377603661073	34242001412701361073	34242301412701401073	ITNA6WAX6 ITO-4 C H ITPA6WA3H ITSA6WA5H
0072154	35030144703700623227	35030244712101211600	35030344724201752422	35030444743703751600	ZCA9 4 ZW2CB9 QAOQ 2CC9 7A TR2CD9 4C N
0072160	35030545003400344362	35030645007002423227	35030745033203364362	35031045067000201600	2CE+ 1 18 2CF+ B7ZW2CG+CZC38 2CH+F PN
0072164	35031145071000541600	35031201412701463227	35031301412701474575	35031401412701514625	2CI+GH =N 2CJA6WA-ZW2CKA6WA*+ 2CLA6WA(-U
0072170	35110401412701535350	35111601412701545327	35112001412701564622	3511201412701574622	ZIDA6WAX\$Z/2INA6WA=\$WZIPA6WA,-R2IQA6WA,-R
0072174	35112201412701615350	35140401412701621073	35150101412701632117	35150201412701652117	ZIRA6WA \$Z/2LDA6WA H ZMAA6WA QOZMBA6WA QO
0072200	35150301412701661073	35150401412701671204	35222001412701731073	35230101412701741136	ZMCA6WA H ZMDA6WA JDZRA6WA H ZSA6WA I3
0072204	35230201412701761136	35230301412702061136	35230401412702071136	35230501412702111136	ZSBA6WA I3ZSCA6WBF13ZSDA6WBG13ZSEA6WBII3
0072210	35230601412702121136	35230701412702131136	35231001412702151136	35231101412702171136	ZSFA6WB JI3ZSGA6WBK13ZSHA6WBH13ZSIA6WB0I3
0072214	35240401412702201073	35241601412702321073	35241746436403263231	360101051412702441647	ZTDA6WBPH 2TNA6WBZH 2TO-8 CVZY3AA6A6WB9N*
0072220	36010201412702511647	36010301412702604635	36010401412702611501	36010545216703034635	ZABA6WBIN*3ACA6WB -23DA6WB MA3AE+Q CC-2
0072224	36010645247201655056	36010701412702621647	36011001412702655056	36020101412702663267	ZAF+T A /,3ACA6WB N*3AHA6WB /,3BAA6WB Z
0072230	36020201412702703267	36020301412702723267	36020401412702743267	36020501412702753267	ZBBA6WB Z 3BCA6WB Z 3BDA6WB Z 3BEA6WB Z
0072234	36020601412702764051	36030101412703001610	36030201412703031610	36030301412703061610	ZBFA6WB 5(3CAA6WC NH3CBA6WCCNH3CCA6WCFNH
0072240	36031301412703072151	36040101412703121446	36043101412703144056	36043201412703154056	ZCKA6WCGG(3DA6WCL-3DA6WCL5,3DZA6WCMS,
0072244	36060101412703173145	36060201412703253145	36110101412703272527	36110201412703313746	ZFAA6WCOY+3FBA6WCUY+3IAA6WCWUW3IBA6WCY4-
0072250	36110301412703324205	36110401412703342527	36140101412703371754	36140245524002671754	ZICAGWCZ7E3IDA6WC1UW3LAA6WC4Q=3LB+15B U-
0072254	36140301412703411754	36140401412703441754	36140501412703461754	3614064552702011754	ZLCA6WC6D=3LDA6WC9D=3LEA6WC=0=3LF+ WBAO-
0072260	36140745573001501754	36150101412703521573	36150201412703646575	36150301412703666575	ZLG+.XA/O=3MAA6WC)M 3MBA6WC 3MCA6WC
0072264	36150401412703706575	36150501412703727275	36150601412703732770	36150746526600312142	ZMDA6WC 3MEA6WC 3MFA6WC W 3MG-J YQ7
0072270	36151046531701436575	36151101412704002142	36151201412704012142	36151301412704062142	ZMH-80AB 3MIA6W Q73MJA6WDAQ73MKA6WDFQ7
0072274	36151446646203352142	361515014127041272765	36151601412704172520	36151701412704275676	ZML-- C2Q73MMA6WDLW 3MNA6WDDUP3MUA6W6DW,
0072300	36152001412704302142	36152101412704352405	36152201412704403750	36152301412704453750	ZMPA6WDXQ73MJA6W2TE3MKA6WD54/3MSA6WD+4/
0072304	36152446601703332142	36152501412704532772	36152601412704563045	36152701412704623753	ZMT- OCOQ73MUA6WD\$W 3MVA6WD,X+3MWA6WD 4\$
0072310	36153001412704663753	36153101412704732335	36162301412704743773	36200146126606611601	ZMXA6WD 4\$3MYA6WD S23NSA6WD 4 3PA-J F NA

RA = E,35700,76000.  
0000000 CM 16.23.30.

EXPRESS 11  
79/08/17. (35) CYBER 174 S/N 620 CLSH.

SDSI - V2.0 79/10/30. 15.19.50.  
NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP.

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0072314	36200246214701064657	36200301412704764657	36200446225502204657	36200501412705001477	3PB-Q*AF--.3PCA6MD --.3PD-R BP--.3PEA6WE L
0072320	36200601412705054657	36200746247502014657	36201001412705071477	36201146267601721615	3PFA6WEE--.3PG-T BA--.3PHA6WEGL 3PI-V A NM
0072324	36201201412705154657	36201346307001061673	36201401412705162375	36201501412705171615	3PJA6WEM--.3PK-X AFN 3PLA6WENS 3PMA6WEONM
0072330	36201601412705214657	36201701412705226771	36202001412705234657	36210101412705253163	3PNA6WEO--.3PDA6WER 3PPA6WES--.3QAA6WEUY
0072334	36210201412705273163	36210301412705303163	36210401412705323163	36212201412705345773	3QBA6WEXY 3QCA6WEXY 3QDA6WEZY 3QRA6WE1.
0072340	36212347067100663363	36212401412705353363	36212501412705403363	36220601412705425436	3QS*F 0 3QTA6WE20 3QUA6WE50 3RFA6WE7=3
0072344	36220701412705445436	36221045675402445436	36221101412705465436	36222045771004034404	3RGA6WE9=33RH+ =B9-33RIA6WE--=33RP+ H9C9D
0072350	36222146031300434404	36230101412705473710	36233201412705503063	36240101412705542554	3RO-CK 89D3SAA6WE*4H3SZA6WE/X 3TAA6WE-U
0072354	36240201412705552554	36240301412705572554	36240401412705632554	36240501412705657001	3TBA6WE U=3TCA6WE.U=3TUA6WE U=3TEA6WE A
0072360	36240601412705664071	36240701412705672554	36241001412705712554	36241101412705722554	3TFA6WE 5 3TGA6WE U=3THA6WE U=3TIA6WE U=
0072364	36241246357002062554	36241346345301152554	36241401412705752554	36241501412705772554	3TJ-2 BFA-3TK-18AMU-3TLA6WE U=3TMA6WE U=
0072370	36241601412706012554	37040101412706023000	37040201412706103463	37040301412706155102	3TNA6WFAU=4DA6WFBX 4DBA6WFH1 4DCA6WFM(B
0072374	37040401412706164426	37040501412706214426	37040601412706245102	37040701412706265102	4DDA6WFN9V4DEA6WFQ9V40FA6WFT(84DGA6WFV(B
0072400	37041001412706315102	40020101412706326762	40020201412706336762	40032501412706344473	4DHA6WFF(B5BAA6WFZ 5BBA6WFO 5CUA6WF19
0072404	40060601412706404473	40061001412706454473	40110101412706524205	40110301412706534205	5FFA6WF59 5FHA6WF+9 5IAA6WF)7E5ICA6WF37E
0072410	40110401412706544205	40110501412706554205	40110701412706574205	40111001412706614205	5IDA6WF=7E5IEA6WF 7E5IGA6WF.7E5IHA6WF 7E
0072414	40141401412706634473	40150501412706706776	40152201412706717272	40152301412706727272	5LLA6WF 9 5MEA6WF 5MRA6WF 5MSA6WF
0072420	40152401412706734473	40152501412707004473	40152701412707057272	40232501412707064473	5MTA6WF 9 5MUA6WG 9 5MWA6WGE 5SUA6WGF9
0072424	40232601412707136202	40373401412707154473	4040300141270724473	40413001412707274473	5SVA6WCK B541A6WGM9 55XA6WGR9 56XA6WGW9
0072430	40423001412707344473	40430601412707414473	40431001412707464473	40433001412707534473	57XA6WG19 58FA6WGC9 58HA6WG-9 58XA6WGC9
0072434	41041147146100510556	42041147153400477500	42052047137500337574	42230547135400207662	6DI*L (E,7DI*M1 * 7EP*K 0 7SE*K= P
0072440	42231147160400347567	42271147164100077737	43300101412707601462	43300201412707701577	7SI*ND 1 7WI*N6 G 48XAA6WG L 8XBA6WG M
0072444	43300301412707751577	44010101412707760000	44013447106000476227	44014047113000366227	8XCA6WG M 9AAA6WG 9A1*H * W9A5*IX 3 W
0072450	44014147116700506227	44014247124000376227	44020101412710406222	44050101412710727001	9A6*I / W9A7*J5 4 W9BAA6WH5 9A6AA6WH A
0072454	44060101412711317436	44070101412711336336	44110101412711441773	44120101412711707773	9FAA6WIY 39GAA6WIO 39IAA6WI9D 9JAA6WI
0072460	44320101413000023111	44330101413000125703	00000147143000311073	00000000000000000000	9ZAA6X 8YI90AA6X J.C A*LX YH
0072464	02032300000000000000	00000000000040040736	02030600000000000000	00000000000040040770	BCS 5DG3BCF 5DG
0072470	06150400000000000000	00000000000040041022	23312305041124000001	05720000000040041102	FMD 5DHRSYSEDIT AE 5DIB
0072474	00040000000000000236	01202005160400000014	00170000000040050345	01242401031000000000	5D B3APPEND L 0 5E+ATTACH
0072500	03100116070500000000	04050611160500000000	07052400000000000000	16052700000000000000	CHANGE DEFINE GET NEW
0072504	17140400000000000000	20010313160115000000	20052215112400000000	20252207050000000000	OLD PACKNAM PERMIT PURGE
0072510	22052014010305000000	23012605000000000000	40100000000000000000	20060124033400000000	REPLACE SAVE SH PFATCI
0072514	00000000000040050362	20060301243400000000	00000000000040050405	20060317203134000000	SEC PFCAT1 5EDEPFCDPY1
0072520	00000000000040050452	20060425152034000000	00000000000040050476	20061417010434000000	5EDI*PFDUMPL 5ED PFL0AD1
0072524	00000000000040050554	20062300000000000006	00260000000040050636	20061417010400000000	5EE=PFS F V 5EF3PFL0AO
0072530	20060425152000000000	20060301240000000000	20060124030000000000	20060317203100000000	PFDUMP PFCAT PFATC PFCOPY
0072534	40040000000000000155	20252207011414000000	00160000000040050663	03171606110700000000	5D A PURGALL N 5EF CONFIG
0072540	00360000000040050725	11162324011414000001	01060000000040050750	400400000000000000125	3 5EGUINSTALL AAF 5EG/5D AU
0072544	15231100000000000002	00630000000040050754	06140127000000000000	400400000000000003726	MSI B 5EG=FLAW 5D 4V
0072550	15220503000000000001	00300000000040051013	00400000000000000106	01030317251624000003	MREC A X 5EHK5D AFACCOUNT C
0072554	00060000000040060127	06011511143100000000	25230522000000000000	40160000000000000252	F 5FAWFAMILY USER 5N B)
0072560	03100122070500000001	00220000000040060134	404600000000000001014	11230600000000000001	CHARGE A R 5FA15- HLISF A
0072564	00220000000040060155	40040000000000000125	15170426011400000003	01770000000040060170	R 5FA 5D AUMODVAL CA 5FA
0072570	14111511242300000000	20012323271722000000	401400000000000014372	20221706111405000001	LIMITS PASSWOR 5L AB PROFILE A
0072574	01370000000040060326	404400000000000002516	23062300000000000000	00000000000040060417	A4 5FCV59 UNSFS 5FD0
0072600	05353333032000000000	00400000000040060635	13242304152000000000	00710000000040060651	E200CP 5 5FF2KTSDMP 5FF1
0072604	14110224012313000000	02510000000040060666	04012401040506000000	00100000000040061025	L1BTASK B1 5FF DATADEF 5FNU
0072610	04012401150120000000	00000000000040061170	04020617221500000000	00000000000040070104	DATAMAP 5FI DBFURN 5GAD
0072614	24010616011500000000	00000000000040070254	24010616011501000000	00000000000040070402	TAFNAM 5GB=TAFNAMA 5GDB
0072620	24010616011502000000	00000000000040070406	24010616011503000000	00000000000040070411	TAFNAMB 5GDF=TAFNAMC 5GDI
0072624	24010616011504000000	00000000000040070414	24010616011505000000	00000000000040070417	TAFNAMD 5GDLTAFNAME 5GDU
0072630	24010616011506000000	00000000000040070422	24010616011507000000	00000000000040070425	TAFNAMF 5GDR=TAFNAMG 5GDU
0072634	24010616011510000000	00000000000040070430	24010616011533000000	00000000000040070431	TAFNAMH 5GDXTAFNAMO 5GDI
0072640	24010616011513400000	00000000000040070514	24010616011535000000	00000000000040070611	TAFNAMI 5GELTAFNAM2 5GFI
0072644	24010624230000000000	00000000000040070624	24010624230100000000	00000000000040070732	TAFTS 5GFTTAFSTA 5GGZ
0072650	24010624230200000000	00000000000040070736	24010624230300000000	00000000000040070741	TAFTSB 5GG3TAFSTC 5GG6
0072654	24010624230400000000	00000000000040070744	24010624230500000000	00000000000040070747	TAFTSD 5GG9TAFSTE 5GG#

0072660	24010624230600000000	00000000000040070752	24010624230700000000	00000000000040070755	TAFTSF	5GG1TAFTSG	5GG
0072664	24010624231000000000	00000000000040070760	24010624233300000000	00000000000040070761	TAFTSH	5GG TAFTS0	5GG
0072670	24010624233400000000	00000000000040071044	24010624233500000000	00000000000040071141	TAFTS1	5GH9TAFTS2	5GI6
0072674	01230311110000000002	00030000000040100323	03230305240000000000	20012211243100000000	ASCII	B C 5HCSCSET	PARITY
0072700	26011416052400000000	00000000000040100325	24051405300000000001	05200000000040100443	VALNET	5HCUTELEX	AEB 5H0B
0072704	40040000000000000000	24051405303400000000	00000000000040100546	24051405303500000000	5D	TELEX1	5HE-TELEX2
0072710	00000000000040100643	24051405303600000000	00000000000040100644	11010605300000000001	11010605300000000001	5HF8TELEX3	5HF9IAFEX
0072714	04730000000040100706	40040000000000000000	11010605303400000000	00000000000040101001	D	5HGF5D	IAFEX1
0072720	11010605303500000000	00000000000040101101	11010605303600000000	00000000000040101102	IAFEX2	5HIAIAFEX3	5HHA
0072724	11010605303700000000	00000000000040101112	02140116130000000001	00160000000040101156	IAFEX4	5HIJBLANK	A N 5HI,
0072730	40440000000000000001	15010716052400000000	01000000000040101172	15010716052434000001	59	K8MAGNET	A 5HI MAGNET1 A
0072734	11000000000040110011	40040000000000000000	01232311071600000010	00740000000040110017	6	5I I5D	ASSIGN H 5I 0
0072740	14010205140000000000	22052125052324000000	22052317252203000000	26231600000000000000	LABEL	REQUEST	RESOURC VSN
0072744	14061500000000000000	20061500000000000000	22052100000000000000	40640000100000000224	LFM	PFM	REQ 5 H BT
0072750	06112215414130000000	00000000000040110251	03012401141707000001	01070000000040110304	FIRM66X	5	SIB(CATALOG AAG 5ICD
0072754	40010000000000000000	03012414112324000000	00420000000040110322	03132000000000000002	5A	CATLIST	7 5ICRCKP B
0072760	01020000000040110347	23062000000000000000	40240000000000000253	03171515051624000023	AB	5IC+SFP	5T B&COMMENT S
0072764	00150000000040110366	05301124000000000000	15061400000000000000	15170405000000000000	M	5IC EXIT	MFL MODE
0072770	16170530112400000000	16172205222516000000	17160530112400000000	17162327000000000000	NDEXIT	NORERUN	ONEXIT ONSW
0072774	17060623270000000000	20221724050324000000	22052225160000000000	22061400000000000000	OFFSW	PROTECT	RERUN RFL
0073000	22171414172524000000	23052401231400000000	23052412231400000000	23052420220000000000	ROLLOUT	SETASL	SETJSL SETPR
0073004	23052424140000000000	23251100000000000000	23271124031000000000	25230503202500000000	SETTL	SUI	SWITCH USECPU
0073010	03011414000000000002	00450000000040110402	07172417000000000000	40040000000000000000	CALL	B +	5IDUGOTO 5D 5
0073014	11060000000000000001	00160000000040110415	40400000000000000000	03171626052224000000	IF	A N	5IDM55 CONVERT
0073020	00760000000040110426	03172031000000000006	01220000000040110444	03172031020600000000		5IDVCOPI	FAR 5ID9COPYBF
0073024	03172031051100000000	03172031022200000000	03172031300000000000	24031720310000000000	COPYE1	COPYBR	COPYX TCOPY
0073030	40010000000000000000	03172031230206000003	00520000000040110506	03172031030600000000	5A	COPYSBF C)	5IEFCOPYCF
0073034	03172031032200000000	40010000000000000000	03172031414200000000	00560000000040110516	COPYCR	5A	COPY67 5IEN
0073040	03172031424100000000	00560000000040110523	04050400000000000013	40530000000040110530	COPY76	, 5IEDED	K55 5IEX
0073044	04052000000000000000	04150405032300000000	04152005032300000000	04150400000000000000	DEP	DMDECS	DMPECS DMH
0073050	04152000000000000000	14020300000000000000	14170300000000000000	20020300000000000000	DMP	LBC	LOC P8C
0073054	22022200000000000000	27022200000000000000	40200000010053000000	03261400000000000001	RBR	WBR	5P A \$ CVL A
0073060	00030000000040110603	40240000100000000000	04013106111405000004	01020000000040110605	C	5IFC5T H	DAYFILE DAB 5IFE
0073064	01060400000000000000	04060400000000000000	05140400000000000000	40400000000000000000	AFD	DFD	ELD 55
0073070	04170315051624000000	61150000000040110630	05041124000000000001	01200000000040110666	DOCMENT	M	5IFXEDIT AAP 5IF
0073074	40010000000000000000	05162125112205000004	00340000000040110733	14051607241000000000	5A	ENQUIRE D I	5IGOLENGTH
0073100	23240124252300000000	23251515012231000000	40040000000000000000	06031720310000000000	STATUS	SUMMARY	5D FCOPY
0073104	00450000000040110757	02132320000000000017	00100000000040110772	03171515171600000000	+ 5IG	.BKSP	0 H 5IG COMMON
0073110	04112320172305000000	05261103240000000000	14170313000000000000	17252400000000000000	DISPOSE	EVICT	LUCK OUT
0073114	20221115012231000000	22051601115050000000	23131120051100000000	23131120060000000000	PRIMARY	RENAME	SKIPEI SKIPF
0073120	23131120060200000000	23131120220000000000	23052411040000000000	25161417031300000000	SKIPFB	SKIPR	SETID UNLOCK
0073124	27221124050600000000	27221124052200000000	06162414232434000000	00000000000040111001	WRITEF	WRITER	FNTLST1 5IHA
0073130	10051420000000000000	00310000000040111026	07242200000000000001	62570000000040111053	HELP	Y	5IHVCTR A. 5IHS
0073134	03172031220600000000	14110205041124000001	00000000000040111073	40010000000000000000	COPYRF	LIBEDIT A	5IH 5A
0073140	14112324140200000001	00350000000040111141	40400000000000000000	14112324433300000000	LISTLB	A 2	5II655 LIST80
0073144	00550000000040111155	14174235000000000000	00410000000040111172	03140501220000000003		5II L072	6 5II CLEAR C
0073150	00100000000040120026	22052425221600000000	22052711160400000000	25161417010400000000	H	5J VRETURN.	REWIND UNLOAD
0073154	15231722240000000000	00000000000040120032	16172405000000000001	00100000000040120036	MSORT		5J ZNOTE A H 5J 3
0073160	05162405220000000000	20010313000000000000	00270000000040120044	22052305210000000000	ENTER	PACK	W 5J 9RESEQ
0073164	00600000000040120051	22052324012224000000	01020000000040120071	40240000450000400000		5J (RESTART	AAB 5J 5T + 5
0073170	22172524050000000000	00070000000040120106	23172224000000000000	61400000000040120114	ROUTE	G	5JAFSORT 5
0073174	23250215112400000000	01010000000040120125	24042515200000000000	00620000000040120144	SUBMIT	AA	5JAUTDUMP 5JA9
0073200	24221504050600000000	00170000000040120157	26052211063100000001	01330000000040120175	TRMDEF	O	5JA.VERIFY AA0 5JA
0073204	40010000000000000000	26063114110200000001	62070000000040120216	40010000000000000000	5A	VFLYLIB A G	5J8N5A
0073210	30050411243534100000	01420000000040120234	30050411240000000000	01130000000040120402	XEDIT2H	A7	5JBIXEDIT AK 5JDB
0073214	30050411243400000000	00000000000040120467	30050411243500000000	00000000000040120513	XEDIT1		5JD XEDIT2 5JEK
0073220	13221716220506000000	63420000000040120530	15170411063100000000	03710000000040120552	KRONREF	7	5JEXMODIFY C 5JEJ

ZERO WORD		000000	00000000000000000000		CPU 0 OFF	ACPL 000060	0		D.
FWA RESIDENT PP LIB	RPLP	000001	00046477	D T	CPU 0 CP ASSIGNMENT		0000000		
NUMBER OF PP-S	PPUL		0024		CPU 0 EXCHANGE ADDRESS		0000		
CPU CONFIGURATION	CPUL		0075		CPU 1 OFF	000061	0	00045776	N N
MEMORY SIZE/100	MFL		7777				0000000		
FWA PP LIBRARY DIR	PLDP	000002	00072015	GPM T=	CPU 1 CP ASSIGNMENT		1600		
NUM OF CONTROL POINTS	NCPL		0000		CPU 1 EXCHANGE ADDRESS		00001600		
ADDRESS PP COMM AREA	PPCP		0024			PXPP 000062	000000000000		D N
FWA DF BUFFER POINTERS	DFPP	000003	5640	,5 DL/ C	ADDRESS OF PPUZ XP		00046016		
FWA DF DUMP BUFFER			00041450		FIRST WORD OF PP XP	000063	00043224000000000000		DZT
DAYFILE DUMP ENABLED			0000		RESERVED	000064	00000000000000000000		
NUMBER OF EXCESS DF			0003		RESERVED	000065	00000000000000000000		
FWA FILE NAME TABLE	Fntp	000004	6020	P C,	ZERO LOCATION	ZERL 000066	00000000000000000000		
LWA+1 FILE NAME TABLE			7776		RESERVED CPUMTR/MTR	000067	00000000000000000000		
			0000			000070	00000000000000000000		
FWA JOB CONTROL AREA	JBCP		00035670			000071	00000000000000000000		
FWA EQUIP STAT TABLE	ESTP	000005	5720	.P P.		000072	00000000000000000000		
LWA+1 EQUIP STAT TABLE			6020			000073	00000000000000000000		
LWA+1 DF MS EQUIPMENTS			5760			000074	00000000000000000000		
FWA ECS/PP BUFFER			00000000			000075	00000000000000000000		
RESERVED		000006	00010016	A N G,0	RESERVED	MTRL 000076	040000007600		D
FWA USER LIBRARY DIR.	LRDP		00075633		CPUMTR EX ADD FOR MTR		00000000		
ECS SIZE/1000	MEFL		0000		EQ CPSL	CPSL 000077	0004313200		DYZ D3
FWA CPU LIBRARY DIR	CLDP	000007	00072464	GT G.F F	PS 0		0000000436		
FWA -COS- FORMAT CLD			00075706		CHANNEL 0,1,2,3,4	CTIL 000100	0000001500000000000007		M G
			00		CHANNEL 5,6,7,10,11	000101	00030000001100010000		C I A
ACCFAM FIELD LENGTH			06		CHANNEL 12,13,14,15,16	000102	0017000000000000000000		0
INSTALLATION WORD 0	IN0L	000010	00000000000000000000		CHANNEL 17,20,21,22,23	000103	0000000000000000000000		
INSTALLATION WORD 1	IN1L	000011	00000000000000000000		CHANNEL 24,25,26,27,30	000104	0000000000000000000000		
INSTALLATION WORD 2	IN2L	000012	00000000000000000000		CHANNEL 31,32,33,34,35	000105	0000000000000000000000		
INSTALLATION WORD 3	IN3L	000013	00000000000000000000		RT CLOCK IMAGE - SEC	RTCL 000106	00103257		HZ. BC6
INSTALLATION WORD 4	IN4L	000014	00000000000000000000		RT CLOCK IMAGE - MS		000203417074		
INSTALLATION WORD 5	IN5L	000015	00000000000000000000		RESERVED	000107	00000000000000000000		
INSTALLATION WORD 6	IN6L	000016	00000000000000000000		RESERVED	PFNL 000110	0		CAA
INSTALLATION WORD 7	IN7L	000017	00000000000000000000		TOTAL PF SYS INTERLOCK		00		
	CMRL	000020	000000000000000000	G	PF ACTIVITY COUNT		0000000000		
CMR SIZE/100			0760		RESERVED		0000000000		
SYSTEM LABEL		000021	23312324051555	SYSTEM	DEFAULT FAM EQUIP NUM		13		
			0000		ALTERNATE FAMILY COUNT		01		
LIBDECK NUMBER			0		RESERVED		0		
RECOVERY MODE			0		WORD INTERLOCK		1		
JOB SEQ NUMBER COUNTER	JSNL	000022	0000000000	ACX0	SECONDS TILL LABEL CHECK	000111	0007		G F
			01033017		SECONDS TILL ICK CALL		0006		
			00				000000000000		
AVAILABLE USER ECS	AECL	000023	0000	XO	INHIBIT ERROR LOGGING	SCRL 000112	0		
			0000		EMERGENCY STEP SET		0		
			00000000		RESERVED		0000000000		
AVAILABLE MEMORY	ACML		3033		CM SECD ED ERRORS		0000		
JOB SCHEDULER	MSCL	000024	0000	A EVQ	LCME SECD ED ERRORS		0000		
CPU RECALL DELAY			0000		BITS 59-0 CHAN 16 S/C	S16L 000113	33134220000000000000		OK7P
PP/AUTO RECALL DELAY			0001		BITS 119-60	000114	00000000600100040113		A DAK
JOB ACTIVITY DELAY			7605		RESERVED	000115	0000000000001600000		A
JOB SWITCH DELAY			2621		RESERVED	000116	000000000000		
INTERNAL *MTR* FLAG	ECRL	000025	0000		BITS 203-180		00000000		
FIRST TRACK FOR USERS			0000		BITS 59-0 CHAN 36 S/C	S36L 000117	40301000000000000000		5XH
NUMBER OF USER 1K BLOCKS			0000		RESERVED	000120	00000000600100000113		A AK

RA = LC.  
0000000 CM

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DSDI - V2.0

79/10/30. 10.59.40.

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NOS 1-8J03T/R2B.

NOS 1.4 STUDY DUMP - DSDI SAMPLE.

ECS RA/1000B FOR CP 0 0000  
ECS FL/1000B FOR CP 0 0000  
JULIAN DATE JDAL 000026 00000000004244353544 79229  
PDTL 000027 00000000 IHQPW3  
YEAR - BIASED BY 1970 11  
MONTH 10  
DAY 21  
HOURS 20  
MINUTES 27  
SECONDS 36  
TIME OF DAY (DSD) TIML 000030 55344157353657363357 16.23.30.  
DATE (DSD) DTEL 000031 55424450334350344257 79/08/17.  
SYSTEM TITLE LINE 000032 55513640525503310205 (35) CYBE  
000033 22553442375523501655 R 174 S/N  
000034 41353355031423105700 620 CLSH.  
000035 00000000000000000000  
SYSTEM VERSION NAME 000036 16172355344643123336 NOS 1-8J03  
000037 24502235025700000000 T/R2B.  
JSCL 000040 0000000000000000 A  
SCHEDULER REQUEST FLAG 0  
SCHEDULER CYC INTERVAL 0001  
SCHEDULER ACTIVE FLAG 000041 0 HDI  
000000000000  
SCHEDULER RECALL TIME 00100434  
CPU1 MULTIPLIER INDEX IPRL 000042 00 A BCC  
CPU2 MULTIPLIER INDEX 00  
0000  
ASSUMED KEYPUNCH MODE 0  
00  
ASSUMED CHAR SET CONV 1  
ASSUMED CONV MODE 0002  
ASSUMED NT TAPE DENSITY 03  
TRACK TYPE/MT DENSITY 03  
SSTL 000043 01 A JWI J  
DISABLE USER ECS, PF/MS VAL 0  
IGNORE/DISABLE ACCOUNT 0  
DISABLE SUB-SYSTS/REMOV DEV 12  
DISABLE Q PROT/SEC USER/SCP 2  
DISABLE TAF/NAM/RBF 7  
DISABLE SUB-CP, MCS, CDCS 3  
40000  
DISABLE SIMULATED SCR 1  
ENGR/LOCK/DEBUG STATUS 2  
0000  
TELEX CONTROL POINT SSCL 000044 0001 A S R B  
EXPORT/IMPORT 0000  
BATCHIO 0023  
MAGNET 0022  
TAF 0002  
STIMULATOR 000045 0000 C U  
NIP 0003  
RBF 0021  
CDCS 0000  
MCS 0000  
MASS STORAGE CONTROL (MSM) 000046 0000  
TRANSACTION STIMULATOR 0000  
RESERVED FOR CDC 0000

BITS 179-120 000121 000000000000020000 P  
RESERVED 000122 000000000000 H H  
BITS 203-180 10000010  
MACHINE IDENTIFICATION MMFL 000123 4135 62  
RESERVED 00  
LINK DEVICE EQ 00  
FLAG REG RECOVERY INTERLOCK 0  
RESERVED 0  
INITIALIZED EQ COUNT 00  
MACHINES STATUS 0000  
MACHINE INDEX 0000  
RESERVED 000124 00000000000000000000  
RESERVED EFRL 000126 0000000000000000  
FLAG REGISTER IMAGE 000000  
RESERVED INWL 000127 0000000000000000  
DISABLE FLAGS 0  
000  
FATAL ERROR/SUBSYS ABORT 0  
RESERVED SD0L 000130 00000000 ,A F  
\*MXN\* TIME - MICS. 5601  
WORST CASE MTR CYCLE 0006  
CURRENT MTR CYCLE TIME 0000  
COUNT OF ECS MOVES SD1L 000131 0000000000 UPR  
COUNT OF CM MOVES SD2L 000132 00165675 0000252022 N, 2KNP  
JOBS ROLLED  
SECTORS ROLLED 000035131620  
RESERVED SD3L 000133 0000 B2  
ROLLOUTS DUE TO USER LIMIT 00000235  
TIME SLICE ROLLOUTS 00007062  
RESERVED SD4L 000134 0000000000 HS  
PP PRIORITY EXCHANGE 0000001023  
RESERVED 000135 00000000000000000000  
000136 00000000000000000000  
000137 00000000000000000000  
000140 00000000000000000000  
000141 00000000000000000000  
000142 00000000000000000000  
000143 00000000000000000000  
000144 00000000000000000000  
000145 00000000000000000000  
000146 00000000000000000000  
000147 00000000000000000000  
000150 00000000000000000000  
000151 00000000000000000000  
000152 00000000000000000000  
000153 00000000000000000000  
000154 00000000000000000000  
000155 00000000000000000000  
000156 00000000000000000000  
000157 00000000000000000000  
000160 00000000000000000000  
000161 00000000000000000000  
000162 00000000000000000000  
DSD - IDS PARAMETER BLOCK 000163 00000000000000000000  
000164 00000000000000000000  
000165 00000000000000000000  
000166 00000000000000000000



RA = SC.  
0000000 SCR

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79/10/30. 10.59.41.

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NOS 1-8J03T/R28.

NOS 1.4 STUDY DUMP - DSDI SAMPLE.

STATUS/CONTROL REGISTER 0 (CHANNEL 16)

BITS 203 - 144 0003 0000 0000 0000 0000  
BITS 143 - 72 0160 0000 0000 0000 0001 0000  
BITS 71 - 00 1216 3313 4220 0000 0000 0000

STATUS/CONTROL REGISTER 1 (CHANNEL 36)

BITS 203 - 144 1000 0010 0000 0000 0000  
BITS 143 - 72 0020 0000 0000 0000 0000 0000  
BITS 71 - 00 0001 4030 1000 0000 0000 0000



RA = XP.  
0000000 CPR

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NOS 1-8J03T/R2B.

NOS 1.4 STUDY DUMP - DSDI SAMPLE.

CPU0 HARDWARE REGISTERS - ON

CPU1 HARDWARE REGISTERS - ON

P	42126	A0	0	B0	0
RA	0	A1	60	B1	1
FL	777700	A2	45777	B2	45776
EM	70070000	A3	45777	B3	44574
RAE	0	A4	46001	B4	0
FLE	0	A5	44575	B5	0
MA	0	A6	60	B6	45776
	0	A7	41757	B7	0

P	2075	A0	20000	B0	0
RA	377700	A1	1503	B1	15
FL	20000	A2	1515	B2	5
EM	70000000	A3	1531	B3	17777
RAE	0	A4	0	B4	3441
FLE	0	A5	2172	B5	1
MA	1600	A6	3440	B6	0
	0	A7	1516	B7	6

X0	0000	0000	0000	0004	5776	D.
X1	0000	0000	0000	0000	0000	
X2	0000	0000	0000	0004	4574	D+
X3	0000	0000	0000	0004	5776	D.
X4	0400	0000	0000	0000	0000	D
X5	0000	0000	0000	0000	0000	
X6	0000	0000	0000	0004	5776	D.
X7	0000	0000	0000	0004	5776	D.

X0	0000	0000	0000	0000	0001	A
X1	0000	0000	0000	0000	0000	
X2	0000	0000	0000	0000	0000	
X3	0000	0000	0000	0000	0000	
X4	0000	0000	0000	0000	0000	
X5	0000	0000	0000	0000	0000	
X6	0000	0000	0000	0000	0000	
X7	0000	0000	0000	0000	0100	A

RA = JC.  
000000 CM

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NOS 1-8J03T/R2B.

NOS 1.4 STUDY DUMP - DSDI SAMPLE.

JOB CONTROL AREA BY ORIGIN TYPE

SYOT

INITIAL QUEUE PRIORITY INQT 035670 7757	.G X A	INITIAL CPU PRIORITY SVJT 035673 0001	AA P
LOWER BOUND 0700		CPU TIME SLICE - MS*64 0100	
UPPER BOUND 3000		CM TIME SLICE - SEC 0020	
PRIORITY AGE INTERVAL 0001			00000000
CURRENT INTERVAL COUNT 0000		MAX NUMBER JOBS/USERS 035674 7777	
INITIAL QUEUE PRIORITY ROOT 035671 6000	A H A	MAX FL FOR ANY JOB 7777	
LOWER BOUND 0100		MAX FL FOR JOBS 7777	
UPPER BOUND 1000		MAXIMUM ECS ANY JOB 7777	
PRIORITY AGE INTERVAL 0001		MAXIMUM ECS ALL JOBS 7777	
CURRENT INTERVAL COUNT 0000		LIMIT FOR SIZE OF DAF PFCT 035675 0	
INITIAL QUEUE PRIORITY OTQT 035672 0400	D A A	LIMIT FOR NUMBER OF PF 0	
LOWER BOUND 0100		LIMIT CUMM SIZE IAPF 0	
UPPER BOUND 7700		LIMIT FOR SIZE OF IAPF 0	
PRIORITY AGE INTERVAL 0001		RESERVED 0000000000000000	
CURRENT INTERVAL COUNT 0000		SYSTEM EVENT TAG ETB 035676 000000000000000000	

HCOT

INITIAL QUEUE PRIORITY INQT 035700 2400	T P 5H A	INITIAL CPU PRIORITY SVJT 035703 0030	XD B
LOWER BOUND 2000		CPU TIME SLICE - MS*64 0400	
UPPER BOUND 4010		CM TIME SLICE - SEC 0200	
PRIORITY AGE INTERVAL 0001			00000000
CURRENT INTERVAL COUNT 0000		MAX NUMBER JOBS/USERS 035704 7777	
INITIAL QUEUE PRIORITY ROOT 035701 2400	T HH5D A	MAX FL FOR ANY JOB 7777	
LOWER BOUND 1010		MAX FL FOR JOBS 7777	
UPPER BOUND 4004		MAXIMUM ECS ANY JOB 7777	
PRIORITY AGE INTERVAL 0001		MAXIMUM ECS ALL JOBS 7777	
CURRENT INTERVAL COUNT 0000		LIMIT FOR SIZE OF DAF PFCT 035705 0	
INITIAL QUEUE PRIORITY OTQT 035702 0200	B A A	LIMIT FOR NUMBER OF PF 0	
LOWER BOUND 0100		LIMIT CUMM SIZE IAPF 0	
UPPER BOUND 7000		LIMIT FOR SIZE OF IAPF 0	
PRIORITY AGE INTERVAL 0001		RESERVED 0000000000000000	
CURRENT INTERVAL COUNT 0000		SYSTEM EVENT TAG ETB 035706 000000000000000000	

EIOT

INITIAL QUEUE PRIORITY INQT 035710 3400	I T 5H A	INITIAL CPU PRIORITY SVJT 035713 0030	XD B
LOWER BOUND 2400		CPU TIME SLICE - MS*64 0400	
UPPER BOUND 4010		CM TIME SLICE - SEC 0200	
PRIORITY AGE INTERVAL 0001			00000000
CURRENT INTERVAL COUNT 0000		MAX NUMBER JOBS/USERS 035714 7777	
INITIAL QUEUE PRIORITY ROOT 035711 3400	I L 5F A	MAX FL FOR ANY JOB 7777	
LOWER BOUND 1400		MAX FL FOR JOBS 7777	
UPPER BOUND 4006		MAXIMUM ECS ANY JOB 7777	
PRIORITY AGE INTERVAL 0001		MAXIMUM ECS ALL JOBS 7777	
CURRENT INTERVAL COUNT 0000		LIMIT FOR SIZE OF DAF PFCT 035715 0	
INITIAL QUEUE PRIORITY OTQT 035712 0200	B A A	LIMIT FOR NUMBER OF PF 0	
LOWER BOUND 0100		LIMIT CUMM SIZE IAPF 0	
UPPER BOUND 7600		LIMIT FOR SIZE OF IAPF 0	
PRIORITY AGE INTERVAL 0001		RESERVED 0000000000000000	
CURRENT INTERVAL COUNT 0000		SYSTEM EVENT TAG ETB 035716 000000000000000000	

RA = JC.  
0000000 CM

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OSDI - V2.0

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NOS 1-8J03T/R2B.

NOS 1.4 STUDY DUMP - OSDI SAMPLE.

TXOT

INITIAL QUEUE PRIORITY INQT 035720 4000 5 4 F A  
LOWER BOUND 3770  
UPPER BOUND 7006  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000  
INITIAL QUEUE PRIORITY ROOT 035721 4004 5D45 A  
LOWER BOUND 3740  
UPPER BOUND 7000  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000  
INITIAL QUEUE PRIORITY OTOT 035722 0200 B A A  
LOWER BOUND 0100  
UPPER BOUND 7000  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000

INITIAL CPU PRIORITY SVJT 035723 0030 X 5 H  
CPU TIME SLICE - MS\*64 0040  
CM TIME SLICE - SEC 0010  
00000000  
MAX NUMBER JOBS/USERS 035724 7777  
MAX FL FOR ANY JOB 7777  
MAX FL FOR JOBS 7777  
MAXIMUM ECS ANY JOB 7777  
MAXIMUM ECS ALL JOBS 7777  
LIMIT FOR SIZE OF DAF PFCT 035725 0  
LIMIT FOR NUMBER OF PF 0  
LIMIT CUMM SIZE IAPF 0  
LIMIT FOR SIZE OF IAPF 0  
RESERVED 0000000000000000  
SYSTEM EVENT TAG ETB 035726 00000000000000000000

MTOT

INITIAL QUEUE PRIORITY INQT 035730 6774 A  
LOWER BOUND 6700  
UPPER BOUND 7400  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000  
INITIAL QUEUE PRIORITY ROOT 035731 6774 5 A  
LOWER BOUND 4000  
UPPER BOUND 7400  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000  
INITIAL QUEUE PRIORITY OTOT 035732 6000 A A  
LOWER BOUND 0100  
UPPER BOUND 7700  
PRIORITY AGE INTERVAL 0001  
CURRENT INTERVAL COUNT 0000

INITIAL CPU PRIORITY SVJT 035733 0031 YD  
CPU TIME SLICE - MS\*64 0400  
CM TIME SLICE - SEC 0060  
00000000  
MAX NUMBER JOBS/USERS 035734 7777  
MAX FL FOR ANY JOB 7777  
MAX FL FOR JOBS 7777  
MAXIMUM ECS ANY JOB 7777  
MAXIMUM ECS ALL JOBS 7777  
LIMIT FOR SIZE OF DAF PFCT 035735 0  
LIMIT FOR NUMBER OF PF 0  
LIMIT CUMM SIZE IAPF 0  
LIMIT FOR SIZE OF IAPF 0  
RESERVED 0000000000000000  
SYSTEM EVENT TAG ETB 035736 00000000000000000000

2400 - CONTROL POINT 12

CP12 EXCHANGE PACKAGE

P	11336	A0	2252	80	0	(A0)=0000	0000	0000	0002	4042	B57	(B0)=0000	0000	0000	0000	0000		
KA	432600	A1	1	81	1	(A1)=0000	0000	0000	0000	5601	,A	(B1)=0000	0000	0000	0000	5601	,A	
FL	55700	A2	65	82	777765	(A2)=4000	0000	0000	0004	1614	5	DNL	(B2)=0000	0000	0000	0000	0000	
EM	70070000	A3	13044	83	0	(A3)=0000	0016	2503	1405	2523	NUCLEUS	(B3)=0000	0000	0000	0000	0000		
RAE	0	A4	114	84	2	(A4)=0100	0000	0003	5104	3403	A	C(DIC	(B4)=1116	2025	2400	0000	4610	INPUT -H
FLE	0	A5	2452	85	450	(A5)=1075	5376	5051	7003	0454	H \$ / ( CD=	(B5)=0100	0000	7003	0255	6503	5732	A B C.Z
MA	2400	A6	1	86	26072	(A6)=0000	0000	0000	0000	5601	,A	(B6)=0000	0000	0000	0000	5771	.	
	0	A7	12706	87	777001	(A7)=0000	0351	0003	5204	3403	C( C(DIC	(B7)=0000	0000	0000	0000	0000		

X0	0000	0000	0000	0000	0000	(X0)=0000	0000	0000	0000	0000								
X1	0000	0000	0000	0000	0000	(X1)=0000	0000	0000	0000	0000								
X2	0207	0620	0000	0000	0000	BGFP	(X2)=0000	0000	0000	0000								
X3	0000	0016	2503	1405	2523	NUCLEUS	(X3)=0000	0000	0000	0000								
X4	0100	0000	0003	5104	3403	A	C(DIC	(X4)=0667	0433	7646	0004	6000	F	DO	-	D		
X5	0000	0000	0000	0000	0000		(X5)=0000	0000	0000	0000								
X6	1404	2120	0000	0001	2703	LDQP	AWC	(X6)=0104	3533	0730	0000	0002	AD20GX	B				
X7	0000	0351	0003	5204	3403	C( C(DIC	(X7)=0667	0433	7646	0004	6000	F	DO	-	D			

PARAMETER SUMMARY

JOB NAME	ALMY024	CPU STATUS	I
USER NUMBER	AD2000	SENSE SWITCHES	00
PRIMARY FILE		KCL R1	000000
ORIGIN TYPE	TXOT	KCL R2	000000
TIME USED	1122727	KCL R3	000000
TIME REMAINING	6701550	KCL EF	04
QUEUE PRIORITY	7000	CPU PRIORITY	030

MESSAGE 1 - AD20GX,9,C.  
MESSAGE 2 -  
CURRENT CONTROL STATEMENT - \_AD20GX,9,C.  
LAST DAYFILE MESSAGE - 16.22.36.AD20GX,9,C.  
SPECIAL ENTRY POINTS -

CONTROL POINT AREA

CPU STATUS/AUTO RECALL	STSW 002420	1	HA	BVE.	JOB SEQUENCE NUMBER	RFCW 002474	01022207	ABRG
CPU SUB-CP ACTIVE		0			CONTROL STATEMENT ADDRESS		000000	
NUMBER PPS ASSIGNED		01			DEM FILE RANDOM INDEX		000000	
ERROR FLAGS		0000			RESERVED	ALMW 002475	0000	Z-
ACTIVITY COUNT		0000			MAX MAGNETIC TAPES		3	
KA/100		4326			MAX REMOVABLE PACKS		2	
FL/100		0557			MAX DEFER BATCH JOBS		4	
JOB NAME	JNMW 002421	01141531333537		ALMY024C	MAX LOCAL WORK FILES		6	
JOB ORIGIN CODE		03			MAX TIME LIMIT		77	
OPER ASSIGNED EQUIP	DAEW				MAX SRU LIMIT		77	
CPU PRIORITY	JCIW 002422	0030		X	MAX FIELD LENGTH		76	
QUEUE PRIORITY		7000			MAX ECS FIELD LENGTH		00	

CPU STATUS FOR ROLLOUT 0  
 ROLLOUT REQUESTED 00  
 0  
 00  
 CPUS ALLOWABLE 000000  
 CM RESID TIME LIMIT TSCW 002423 00100441 HD6A B  
 QUEUE CONTROL 01  
 CPU TIME SLICE LIMIT 0000027771  
 TIME ENTERED X STATUS CPCW 002424 00000000000000000000  
 JOB CONTROL FLAGS ECSW 002425 0000  
 REMOV. PACK INTERLOCK CPIW 0  
 RESERVED 0000000  
 ECS RA/1000B 0000  
 ECS FL/1000B 0000  
 PP INPUT REGISTER RLPW 002426 00000000000000000000  
 PUNCH MODE/OVERRIDE SNSW 002427 0  
 0000000  
 RESERVED-INSTALLATION 0000  
 PP PAUSE FLAGS 0000  
 SENSE SWITCHES 00  
 00  
 MESSAGE 1 AREA MS1W 002430 01043533073056445603 AD20GX,9,C  
 002431 57000000000000000000  
 002432 00000000000000000000  
 002433 00000000000000000000  
 002434 00000000000000000000  
 MESSAGE 2 AREA MS2W 002435 00000000000000000000  
 002436 00000000000000000000  
 002437 00000000000000000000  
 INSTALLATION WORD 0 INOW 002440 00000000000000000000  
 INSTALLATION WORD 1 IN1W 002441 00000000000000000000  
 INSTALLATION WORD 2 IN2W 002442 00000000000000000000  
 INSTALLATION WORD 3 IN3W 002443 00000000000000000000  
 INSTALLATION WORD 4 IN4W 002444 00000000000000000000  
 INSTALLATION WORD 5 IN5W 002445 00000000000000000000  
 INSTALLATION WORD 6 IN6W 002446 00000000000000000000  
 INSTALLATION WORD 7 IN7W 002447 00000000000000000000  
 LIMIT FLAGS SRUW 002450 0000 \*G F7  
 OVERFLOW FLAGS 00  
 SRU ACCUMULATOR 00004707630642  
 CP ACCUM (NANOUNITS/4) CPTW 002451 00000002452211750000 B+RI  
 IO ACCUMULATORS IOAW 002452 05034620000000001502 EC-P MB  
 M13 = M1 \* M3 MP1W 002453 000036 3 3 A  
 M14 = M1 \* M4 000036  
 ADDER ACCUMULATOR ADAW 000000  
 M1 \* 1000 MP2W 002454 023420 B1P 0/  
 M12 = M1 \* M2 001750  
 RESERVED 00000000  
 CPM MP3W 002455 0000026164 B +L  
 IOM 0000004514  
 SRU ACCOUNT BLOCK LMT STLW 002456 777770  
 COMPUTED SRU JOB STEP LIMIT 777777777777  
 RESERVED SRJW 002457 0000 7HN  
 SRU JOB STEP LIMIT 777777  
 SRU ACCUMULATOR 0000421016  
 RESERVED CPJW 002460 0000 A BP  
 JOB STEP TIME LIMIT 000100

MAX LINES PRINTED 77  
 MAX CARDS PUNCHED 77  
 RESERVED ACLW 002476 0000 M) K- X  
 DAYFILE MESSAGES COUNT 1552  
 CONTROL STATEMENTS CNT 7777  
 DISPOSED OUTPUT COUNT 13  
 MS PRUS COUNT 467330  
 ACCOUNT ACCESS WORD AACW 002477 00000000002700002555 W U  
 LENGTH BUFFER 0 ICAW 002500 0000  
 ADDRESS BUFFER 0 000000  
 LENGTH BUFFER 1 0000  
 ADDRESS BUFFER 1 000000  
 SP ENTRY POINT FLAGS SEPW 002501 4000 5  
 RESERVED 0000  
 DMP= PARAMETER VALUE 000000  
 SSJ= PARAMETER ADDRESS 000000  
 ENTRY POINT NAME SPCW 002502 000000  
 SYSTEM PROCESSOR FLAGS 00  
 PARAMETER 000000  
 PARAMETER LIST ADDRESS 000000  
 CCL - EFG JCDW 002503 04 0  
 CCL - R1G 000000  
 CCL - DATA 0000  
 RESERVED 00000000  
 CCL - EF JCRW 002504 04 0  
 CCL - R3 000000  
 CCL - R2 000000  
 CCL - R1 000000  
 SECURE MEMORY FLAG DBAW 002505 0  
 ECS AND CM CMM MODE FLAGS 0  
 INPUT BUFFER ADDRESS 000000  
 RIGHT SCREEN BFR ADD 000000  
 LEFT SCREEN BFR ADD 000000  
 MAP OPTIONS LBIW 002506 00  
 RESERVED 000000  
 INTERACTIVE DEBUG CONTROL 0000  
 GLOBAL LIB INDICATORS 00000000  
 SECOND LIB/GLOBAL IND LB2W 002507 00000000000000000000  
 FIRST LIB/GLOBAL IND LB3W 002510 00000000000000000000  
 RESERVED PPDW 002511 0000  
 ECS FL FOR DMP= CALL 0000  
 FL FOR DMP= CALL 0000  
 DUMP WORD COUNT 00  
 FWA OF DUMP 000000  
 SSWW 002512 0000000000000000  
 OUTSTANDING CONNECT COUNT 0000  
 COMPUTED CP TIME LIMIT CPLW 002513 00000005677572611400 E L  
 002514 00000000000000000000  
 002515 00000000000000000000  
 002516 00000000000000000000  
 002517 00000000000000000000  
 002520 00000000000000000000  
 002521 00000000000000000000  
 002522 00000000000000000000  
 002523 00000000000000000000  
 002524 00000000000000000000  
 002525 00000000000000000000

CP ACCUMULATOR		0000000220			002526	00000000000000000000
CHARGE PROCESSED	PFWM 002461 6		T, EB		002527	00000000000000000000
RESERVED		000		CONTROL STATEMENT BFR CSBW	002530	01043533073056445603 AD20GX,9,C
SRU VALIDATION LIMIT		7777			002531	57000000000000000000 .
FNT ORD PROFILE FILE		0024			002532	00000000000000000000
LEVEL-3 BLOCK TRACK		5674			002533	00000000000000000000
LEVEL-3 BLOCK SECTOR		0502			002534	00000000000000000000
MAX FL FOR JOB STEP	FLCW 002462 3737		44 44		002535	00000000000000000000
INITIAL FL FOR JOB STEP		0000			002536	00000000000000000000
MAXIMUM FL FOR ENTIRE JOB		3737			002537	00000000000000000000
ROLLIN FL		0000			002540	22052425221656230322 RETURN,SCR
FL INCREASE REQUEST		0000			002541	57000000000000000000 .
JOB STEP MAX ECS FL	ELCW 002463 0000				002542	05162125112205561216 ENQUIRE, JN
LAST CARD ECS FL		0000			002543	57000000000000000000 .
JOB MAX ECS FL		0000			002544	22171414172524563633 ROLLOUT,30
ROLLIN ECS FL		0000			002545	57000000000000000000 .
ECS FL INCREASE REQ		0000			002546	07172417560301241411 GOTO,CATLI
ROLLOUT ALLOWABLE	SSCW 002464 0000				002547	23245700000000000000 ST.
CONNECTION/WAIT RESPONSES		0000000000000000			002550	22052605222457030314 REVERT.CCL
TXUT SUBSYSTEM	TXSW 002465 05		E 6IG		002551	55555555555555550000
LIST OF FILES ADDRESS	LOFW	000000			002552	05301124570303140000 EXIT.CCL
INTERRUPT ADR/PREV ERR	TIAW	411107			002553	22052605222456010217 REVERT,ABO
OUTPUT POINTER	TIDW	000000			002554	22245703031455550000 RT.CCL
AUXILIARY PACKNAME	PFCW 002466 00000000000000		K 9		002555	00000000000000000000
EST OF FAMILY DEVICE		13			002556	00000000000000000000
LIMIT FOR SIZE OF DAF		6			002557	00000000000000000000
LIMIT FOR NUMBER OF PF		0			002560	00000000000000000000
LIMIT CUHM SIZE IAPF		4			002561	00000000000000000000
LIMIT FOR SIZE OF IAPF		4			002562	00000000000000000000
USER NUMBER	UIDW 002467 01043533333300		AD2000 V		002563	00000000000000000000
USER INDEX		002663			002564	00000000000000000000
NO EXIT AND RPV FLAGS	EECW 002470 00		A CG		002565	00000000000000000000
		00			002566	00000000000000000000
REPRIEVE DATA		0001			002567	00000000000000000000
TERMINAL INPUT POINTER	TINW	000000			002570	00000000000000000000
REPRIEVE DATA		030764			002571	00000000000000000000
INPUT FILE FST	TFSW 002471 6101		A		002572	00000000000000000000
PRIMARY FILE FST		0000			002573	00000000000000000000
RESERVED		00			002574	00000000000000000000
EVENT DESCRIPTOR	TERM	000000			002575	00000000000000000000
ROLLOUT TIME PERIOD		0000			002576	00000000000000000000
RESERVED	CSPW 002472 0000		5 AAZAZ		002577	00000000000000000000
EUR FLAG/CS COUNT		40000001				
NEXT STATEMENT INDEX		0132				
LIMIT INDEX		0132				
INPUT/SKIP FLAGS	CSSW 002473 0					
		0				
EQUIPMENT NUMBER		00				
FIRST TRACK		0000				
CURRENT TRACK		0000				
CURRENT SECTOR		0000				
FIRST/SECOND HALF FLAG		0000				

DAYFILE POINTERS AND BUFFER

0005664 0003 7050 0052 0100 0000 C / JA  
 0005665 0002 4152 4152 0021 0000 B616) Q

```

0037050 55344157353457364457 22052425221656230322 57000000000000000000 55344157353457364457 16.21.39.RETURN,SCR. 16.21.39.
0037054 05162125112205561216 57000000000000000000 55344157353457364457 22171414172524563633 ENQUIRE,JN. 16.21.39.ROLLOUT,30
0037060 57000000000000000000 55344157353557334457 07172417560301241411 23245700000000000000 . 16.22.09.GOTO,CATLIST.
0037064 55344157353557334457 03012414112324561417 54065614542303225700 00000000000000000000 16.22.09.CATLIST,LO=F,L=SCR.
0037070 55344157353557343357 55030124141123245503 17152014052405570000 55344157353557343357 16.22.10. CATLIST COMPLETE. 16.22.10.
0037074 30050411245623032256 16105601235777145001 04353355503477740214 50010435330730507730 XEDIT,SCR,NH,AS. L/AD20 /1 BL/AD20GX/ X
0037100 00000000000000000000 55344157353557343357 21000000000000000000 55344157353557343457 16.22.10.Q 16.22.11.
0037104 22052425221656230322 57000000000000000000 55344157353557343457 05162125112205561216 RETURN,SCR. 16.22.11.ENQUIRE,JN
0037110 57000000000000000000 55344157353557343457 22171414172524563633 57000000000000000000 . 16.22.11.ROLLOUT,30.
0037114 55344157353557363457 53012424010310560104 35330730570000000000 55344157353557364157 16.22.31.*ATTACH,AD20GX. 16.22.36.
0037120 01043533073056445603 57000000000000000000 57000000000000000000 55344157353457334157 AD20GX,9,C. 16.21.06.
0037124 22171414172524563633 57000000000000000000 55344157353457364157 07172417560301241411 ROLLOUT,30. 16.21.36.GOTO,CATLI
0037130 23245700000000000000 55344157353457364157 03012414112324561417 54065614542303225700 ST. 16.21.36.CATLIST,LO=F,L=SCR.
0037134 00000000000000000000 55344157353457364257 55030124141123245503 17152014052405570000 16.21.37. CATLIST COMPLETE.
0037140 55344157353457364257 30050411245623032256 16105601235777145001 0435335503477740214 16.21.37.XEDIT,SCR,NH,AS. L/AD20 /1 BL
0037144 50010435330730507730 00000000000000000000 55344157353457364257 21000000000000000000 /AD20GX/ X 16.21.37.Q
  
```

DAYFILE LINES IN BUFFER

```

16.21.39.RETURN,SCR.
16.21.39.ENQUIRE,JN.
16.21.39.ROLLOUT,30.
16.22.09.GOTO,CATLIST.
16.22.09.CATLIST,LO=F,L=SCR.
16.22.10. CATLIST COMPLETE.
16.22.10.XEDIT,SCR,NH,AS. L/AD20 /1 BL/AD20GX/ X
16.22.10.Q
16.22.11.RETURN,SCR.
16.22.11.ENQUIRE,JN.
16.22.11.ROLLOUT,30.
16.22.31.*ATTACH,AD20GX.
16.22.36.AD20GX,9,C.
  
```

ATTACHED FILES

```

0030 INPUT* IN FNT - 6100 1116 2025 2447 0001 0012 INPUT* A J EST - 5720 0000 0000 0000 2204 1003 RDHC
FST - 6101 0000 0000 0000 0000 0005 E

0060 INPUT LO FNT - 6160 1116 2025 2400 0000 1512 INPUT MJ EST - 6015 2000 0000 0102 2424 0000 P ABTT
FST - 6161 0075 0000 0000 0000 0401 DA

0061 OUTPUT LO FNT - 6162 1725 2420 2524 0000 1512 OUTPUT MJ EST - 6015 2000 0000 0102 2424 0000 P ABTT
FST - 6163 0075 0000 0000 0000 0401 DA

0062 ZZZZC2 LO FNT - 6164 3232 3232 3203 3500 1512 ZZZZC2 MJ EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/
FST - 6165 7105 5222 5222 0002 0307 EJRJR BCG
TRACK CHAIN -
5222 0002

0063 GRU01A LO FNT - 6166 0722 2533 3401 0000 1512 GRU01A MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH
FST - 6167 0002 4140 4140 0001 0305 B6565 ACE
TRACK CHAIN -
4140 0011

0064 DAY LO FNT - 6170 0401 3100 0000 0000 1512 DAY MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH
FST - 6171 0002 4163 4163 0001 0305 B6 6 ACE
  
```

TRACK CHAIN -  
4163 0010

0070 GRU01 LO FNT - 6200 0722 2533 3400 0000 1512 GRU01 MJ EST - 5724 4200 2021 0000 0411 1163 7 PQ DII  
FST - 6201 0004 5240 5240 0011 0305 D1515 ICE  
TRACK CHAIN -  
5240 0011

0071 GRU1 LO FNT - 6202 0722 2534 0000 0000 1512 GRU1 MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH  
FST - 6203 0002 4211 4211 0010 0305 B7171 HCE  
TRACK CHAIN -  
4211 0010

0073 L LO FNT - 6206 1400 0000 0000 0000 1512 L MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH  
FST - 6207 0002 4142 4142 0176 0707 B6767A GG  
TRACK CHAIN -  
4142 0176

0075 LGD LO FNT - 6212 1407 1700 0000 0000 1512 LGD MJ EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/  
FST - 6213 0005 5221 5221 0001 0505 E1Q1Q AEE  
TRACK CHAIN -  
5221 0011

0143 F LO FNT - 6326 0600 0000 0000 0000 1512 F MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH  
FST - 6327 0002 4176 4176 0002 0315 B6 6 BCM  
TRACK CHAIN -  
4176 0002

0156 PROCFIL LO FNT - 6354 2022 1703 0611 1400 1512 PROCFIL MJ EST - 5721 6200 0705 0000 0421 1005 GE DQHE  
FST - 6355 0001 4241 4241 0021 0415 A7676 QDM  
TRACK CHAIN -  
4241 0021

0160 C LO FNT - 6360 0300 0000 0000 0000 1512 C MJ EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/  
FST - 6361 0005 5252 5252 0002 0305 E1111 BCE  
TRACK CHAIN -  
5252 0002

0161 TAPE3 PM FNT - 6362 2401 2005 3600 0000 1212 TAPE3 JJ EST - 5727 4200 2422 0000 0411 1422 7 TR DILR  
FST - 6363 0007 5702 5365 0042 0301 G.84 7CA  
TRACK CHAIN -  
5702 5746 6016 6121 6122 6123 6124 5365 6135 0076

0163 GRUL18 LO FNT - 6366 0722 2514 1102 0000 1512 GRUL18 MJ EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/  
FST - 6367 0005 5204 5204 0013 0411 E1D1D KDI  
TRACK CHAIN -  
5204 0013

0165 NEW LO FNT - 6372 1605 2700 0000 0000 1512 NEW MJ EST - 5721 6200 0705 0000 0421 1005 GE DQHE  
FST - 6373 0001 4174 4174 0001 0505 A6 6 AEE  
TRACK CHAIN -  
4174 0373

0166 XED LO FNT - 6374 3005 0400 0000 0000 1512 XED MJ EST - 5725 4200 2120 0000 0411 1250 7 QP DIJ/  
FST - 6375 0005 5260 5260 0001 0005 E1 ) A E  
TRACK CHAIN -  
5260 0021



RA = CP,12/XTAPP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.46. PAGE 13  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

0167 JOBGX LD FNT - 6376 1217 0207 3000 0000 1512 JOBGX MJ EST - 5722 6200 0705 0000 0421 1074 GE DQH  
FST - 6377 0002 4214 4214 0003 0315 B7L7L CCM  
TRACK CHAIN -  
4214 0003

0171 AD20GX PM FNT - 6402 0104 3533 0730 0001 1212 AD20GX AJJ EST - 5727 4200 2422 0000 0411 1422 7 TR DILR  
FST - 6403 0007 6137 6137 0156 0004 G 4 4A, D  
TRACK CHAIN -  
6137 6140 6141 6142 6143 6144 6145 6146 6147 6150 6151 6152 6153 6154 6155 6156 6157 6160 6161 6162 6163 6164  
6165 6166 6167 6170 6171 6172 6173 6174 6175 6176 6177 6200 6201 6202 6203 0266

ANALYSIS OF PP26

PP26	LDQ	1404	2152	0000	0001	2703	LDQ)	AWC	LAST MAIN PROGRAM LOADED	- LDQ
	DSWM	0033	0100	0002	0001	0024	OA	B A T	LAST OVERLAY LOADED	- LDQ
	CP12	0024	0003	6123	0342	0005	T C	SC7 E	LAST MASS STORAGE DRIVER	- 6DI
		0002	0044	0427	0012	0021	B	9DW J Q		
		0000	0000	0000	0000	0000				
		0000	0000	0000	0000	0000				
		0000	0000	0000	0000	0000				
		0000	0000	1110	2120	2736				

IHQPW3

RESIDENT ENTRY POINTS

NAME LOC CALLER

LOW CORE CONSTANTS

NAME LOC ACTUAL EXPECTED

FTN	0336	1015	RA	55	4322	4326	*** WARNING ***
RCH	0377	0376	FL	56	0547	0557	*** WARNING ***
DCH	0406	0405	ON	70	0001	0001	
DFM	0442	1567	HN	71	0100	0100	
EXR	0476	1126	TH	72	1000	1000	
SMS	0513	1703	TR	73	0003	0003	
RDS	0560	1462	CP	74	2400	2400	
WDS	0563	2473	IA	75	5600	5600	
EMS	0566	1245	OA	76	5601	5601	
	0000	0003	MA	77	5602	5602	

PPU MEMORY

0000	0003	2020	3541	----	0300	----	6123	0342	CPP26 C SC7	0010	0033	0100	0002	0001	0024	1073	0157	0302	OA B A TH A.CB
0020	0007	6137	6137	0156	0004	3700	7707	----	G 4 4A, D4 G	0030	0314	3335	----	0003	0157	0002	5672	----	CLO2 CA. B,
0040	0104	3533	0730	----	0002	0003	0157	2001	AD20GX B CA.PA	0050	1404	2152	----	0001	2703	4322	0547	6403	LDQ) AWC8RE* C
0060	----	----	----	7776	7651	0001	3224	0001	( AZT A	0070	0001	0100	1000	0003	2400	5600	5601	5602	AA H CT, ,A,B
0100	0005	----	----	----	0002	----	0501	0411	E B EADI	0110	0011	2000	1710	0576	3075	6050	3051	1340	IP ONE X /X(K5
0120	1006	3474	3574	3374	3350	0463	1006	0200	HF1 2 0 O/D HFB	0130	0157	0115	0005	3077	6050	1701	6010	1701	A.AM EX /OA HUA
0140	6250	3050	1071	5400	0260	0326	3311	1014	/X/H = B CVOIHL	0150	3112	6113	1073	1400	0200	0336	0100	0131	YJ KH L B C3A AY
0160	5400	0261	3413	1063	0446	5400	0260	3412	= B IKH D-- B IJ	0170	1461	0200	0336	3014	0502	3015	3415	5400	L B C3XLEBXMIH=
0200	0152	3011	1377	0542	3015	1702	3403	3076	AIXIK E7XMOB1CX	0210	6004	0200	0513	1440	5500	0110	4003	3416	DB EKL5 AH5C1N
0220	5003	0001	3417	3003	0200	0560	0727	3607	/C A10XCB E GW3G	0230	5300	0106	0504	3407	4003	3406	3016	4403	\$ AFED1G5C1FXN9C
0240	3017	5403	0001	2000	0500	3503	5715	0003	XO=C AP E 2C.M C	0250	0545	0200	0566	0100	0153	2000	2725	0304	E+B E A A1P WUCD
0260	0014	0421	3071	2342	0420	3401	1452	6173	LDQX S7DPIAL)	0270	7762	0004	3224	----	----	1006	0616	2000	DZT HFFNP
0300	1701	0576	3010	1277	0334	1457	6010	3010	DAE XHJ C1L. HXH	0310	3374	0512	1411	0325	2000	1720	0676	3076	O EJLICUP OPF X
0320	6010	3010	0552	3074	1620	6010	3013	3455	HXHEIX NP HXK1	0330	3014	3456	3076	6010	1400	0100	1015	0445	XL1,X HL A HMD.
0340	3410	3076	6210	1435	3210	0646	2004	6402	LHX HL2ZHF-PD B	0350	6010	3010	3111	0572	2004	6374	6370	0271	HXHYIE PD B
0360	2004	6374	2610	6010	3014	0457	1740	0676	PD VH HXL.D.05F	0370	1505	3500	0665	1477	6210	0356	0100	0376	ME2 F L HC,A C
0400	3411	1412	0200	0336	0371	0100	0405	3411	IILJB C3C A DEII	0410	1404	0200	0336	0371	2004	1450	6173	7763	LDB C3C PDL/
0420	2000	0006	3411	1406	0200	0336	3011	0564	P FILLFB C3XIE	0430	4002	0520	3014	0403	6313	2073	1400	0200	5BEPXLDC KP L B
0440	0336	0100	1567	3402	5400	0435	1063	5400	C3A H 1B= D2H =	0450	0421	3076	3401	1410	3400	4002	4400	0402	DOX IALHI 5B9 DB
0460	3602	3600	1115	0571	3601	6210	3277	3412	3B3 IME 3A HZ IJ	0470	1703	0403	3014	0557	0100	0420	1126	0200	UCDCXLE.A DPIVB
0500	0157	5000	0476	5415	0006	0115	0007	1466	A./ D =M FAM GL	0510	6170	0100	0100	1703	2000	5720	3105	6010	A A OCP .PYE H
0520	3014	1003	1606	6170	0102	5000	0110	1340	XLHCNF AB/ AHK5	0530	0556	5000	0104	5200	0107	0420	5500	0107	E./ AD) AGDP AG
0540	3413	1441	3412	1461	0200	0336	3011	1014	IKL61JL B C3X1HL	0550	3112	6113	0556	0340	1377	0100	1056	0100	YJ KE,C5K A H,A
0560	1462	0314	0100	2473	0334	0100	1245	1400	L CLA T CIA J+L	0570	3413	4471	0200	0766	0370	5400	0613	4771	1K9 B G C = FK*
0600	0705	3107	5300	0631	0403	0200	0671	1404	GEYG\$ FYDCB F LD	0610	0200	0753	7124	6776	0532	5000	0560	0335	B G\$ T EZ/ E C2
0620	5400	0645	1063	5400	0640	4771	0705	3107	= F+H = F5+ GEY	0630	2300	0500	0403	0200	0671	4071	0403	2000	S E DCB F 5 DCP
0640	----	1135	0200	0753	7324	6776	0516	5000	I2B G\$ T EN/	0650	0563	6624	0651	7564	5400	0670	1412	0200	E TFI = F LJB
0660	0753	1401	7124	0013	0525	3013	0524	0100	G\$LA T KEUXKETA	0670	0607	0607	3076	6010	3010	0574	3077	6204	FGFGX HXHE X D
0700	1472	0200	0336	3714	4471	3107	5400	0631	L B C34L9 YG= FY	0710	0304	0331	5400	0104	0200	0766	3012	0412	CCCY= ADB G XJJJ

0720	0200	0753	7064	2200	2000	3413	0563	1410	B G\$ R P IKE LH	0730	4511	3077	1601	6010	1402	0200	0753	1404	+IX NA HLBB G\$LD
0740	7324	0011	0521	5000	0671	0100	0651	7424	T IFQ/ F A F I T	0750	2000	0502	0100	0661	6424	1053	7624	1601	P ERA F TH\$ TNA
0760	6524	0747	0674	0100	1053	0100	0716	5000	TG*F A H\$A GN/	0770	0110	3410	3313	0471	1377	1006	0734	0511	AH1HOKD K HFG1E1
1000	3010	1210	0406	7664	1601	0703	6424	1004	XHJHDF NAGC THD	1010	3077	6204	1433	0200	0336	4500	5010	1035	X DLOB C3+ /HH2
1020	3400	3610	3014	1724	0570	3077	6004	3010	I 3HXLOTE X DXH	1030	4411	0340	3013	4471	0317	0612	0644	0651	9IC5XK9 CDFJF9F1
1040	0653	0662	0722	0740	0747	0754	0756	0760	F1F GRG5G*G=G,G	1050	1003	1006	1023	1431	0100	0263	5000	0103	HCHFHSLYA B / AC
1060	1064	2100	1401	5400	0734	5000	0554	5400	H Q LA= G1/ E==	1070	0774	0100	0507	1404	2100	1073	----	0167	G A EGLOQ H A
1100	0200	1516	0200	1336	0200	1202	3624	3057	B MNB K3B JB3TX.	1110	0402	6220	3644	3053	1006	3155	1006	3154	DB P39X1HFY HFY=
1120	6240	3077	6370	1135	1401	3411	1400	3412	5X I2LA1IL LJ	1130	1460	0200	0336	0100	0114	0020	0052	5024	L B C3A AL P 1/T
1140	----	0001	0100	1142	3402	4002	3330	0572	AA I71B5BOXE	1150	5002	0001	3331	0566	5002	0002	3332	0562	/B AOYE /B BOZE
1160	5002	0003	3333	1377	0355	0200	0566	1406	/B COOK C B E LF	1170	0200	1260	0200	0566	1400	0404	3021	0200	B J B E L DDXQB
1200	1442	0100	1201	3065	1014	3366	3201	0755	L7A JAX HLO ZAG	1210	3466	1063	3465	3003	5400	1224	3045	1006	I H I XC= JTX+HF
1220	3155	1006	3146	6301	----	3001	3546	1063	Y HFY- A XA2-H	1230	3545	3047	0503	0100	1172	2000	6776	0200	2+X*ECA I P B
1240	1456	1071	3447	1401	5500	1141	1063	5500	L,H I*LA I6H	1250	1140	3001	0460	1402	3503	0100	1203	0100	I5XAD LB2CA JCA
1260	1257	3447	1400	0404	3021	0200	1442	3047	J.1*L DDXQB L7X*	1270	1740	0713	5000	1140	3461	5000	1141	3462	05GK/ I51 / I61
1300	2035	1404	0200	0476	3047	1011	3544	0100	P2LDB D X*HI29A	1310	1106	0100	1311	3057	0404	1442	0200	1260	IFA KIX.DDL78 J
1320	1400	0200	0336	3074	1620	6010	3011	0565	L B C3X NP HXIE	1330	3003	0200	0560	0655	0363	0100	1104	1401	XCB E F C A IDLA
1340	5500	1141	2000	6776	0200	1456	1071	3447	I6P B L,H I*	1350	1402	3503	4003	2300	7700	0535	3003	1605	LB2C5CS E2XCNE
1360	0200	1143	0530	5003	0001	1601	3402	1002	B I8EX/C ANA1BHB	1370	3102	3503	3001	3202	0716	3401	3044	0420	YB2CXAZBGN1AX9DP
1400	4003	1071	1750	0707	1702	0405	1703	0603	5CH O/GGDBDEQCF	1410	0100	1335	0200	0566	1405	0200	1260	4003	A K2B E LEB J 5C
1420	2300	6000	0567	3053	1006	3155	1006	3154	S E X\$HFY HFY=	1430	1601	6030	3003	1605	0200	1143	0553	0100	NA XXCNEB I8E1A
1440	1335	0100	1441	3412	3005	3411	1403	3413	K2A L61XE1IILC1K	1450	1457	0200	0336	0365	3001	0100	1346	3403	L.B C3C XAA K-1C
1460	0200	0560	0603	0200	1312	5003	0001	3401	B E FCB KJ/C A1A	1470	4003	0505	3401	5003	0001	0457	3407	1006	5CEE1A/C AD.1GHF
1500	0653	1071	3406	1400	3407	3001	1071	0444	F1H IFL 1GXAH D9	1510	5003	0001	3401	0100	1455	0100	1102	1400	/C A1AA L A IBL
1520	3457	3053	1237	3453	1014	3354	1072	0705	L.X\$J41\$HLO=OBGE	1530	1605	1071	3256	0704	1440	0200	1260	3053	NEH Z,GDL58 J X\$
1540	1006	3155	1006	3154	6040	1602	6010	1601	HFY HFY= 5NB HNA	1550	6030	3043	1377	3443	3044	2200	0776	3444	XX8K 18X9R G 19
1560	1076	1702	0704	1401	0200	1260	3013	1237	H DBGDLAB J XKJ4	1570	3445	1014	3314	3446	1702	0711	3033	1237	I+HLOL1-OBGIX0J4
1600	1014	3334	1701	1071	3256	0704	1402	0200	HLO1OAH Z,GDLBB	1610	1260	3033	1237	1014	3334	3246	3466	1063	J X0J4HLO1Z-1 H
1620	3245	3465	1014	3366	0761	0460	3033	1377	Z+1 HLO C D XOK	1630	1006	3332	1006	0432	3464	1063	1277	3463	HFOZHFDZ1 H J 1
1640	3053	1006	3155	1006	3154	1602	6030	3040	X\$HFY HFY=NB XX5	1650	2300	7777	0404	0200	1706	0303	0200	1775	S DDB OFCCB O
1660	0200	2174	0200	2011	0604	1404	0200	1260	B Q B PIFDLDB J	1670	3057	0510	0200	0513	1440	5500	0110	0100	K.EHB EKL5 AHA
1700	1515	0200	0513	0100	1515	0100	1655	3040	MMB EKA MMA N X5	1710	2200	3777	3440	0200	2061	0504	1403	0200	R 4 15B P EDLCB
1720	1260	0200	2124	0404	1441	0200	1260	3013	J B QTDDEL6B J XK	1730	1204	0564	3022	0462	3020	1277	3405	5100	JDE XRD KPJ 1E1
1740	0515	6000	3000	1006	0651	3021	3406	3014	EM X HFF(XQIFXL	1750	1071	1112	0520	3013	1230	0415	0200	2142	H IJEPKXJDXDMB 07
1760	0406	3624	3057	6220	0100	1121	5600	1174	DF3TX. PA IQ, I	1770	5600	1262	0100	1705	0100	1774	1404	6010	, J A OEA O LD H
2000	3610	6010	3011	3406	3010	1277	3405	0364	3H HXIIIFXNJ 1E1	2010	0100	1664	3006	3400	3000	3406	1075	2101	A N XF1 X 1FH QA
2020	3240	6010	3006	1203	3401	5001	0010	3400	Z5 HXFJCIA/A H1	2030	1006	0617	1500	5300	0106	3564	0655	3664	HFFOM \$ AF2 F 3
2040	3763	0652	5000	0106	3164	3407	0100	2010	4 F1/ AFY 1GA PH	2050	1071	3264	0773	3063	0467	1500	0367	3457	H Z G X D M C L
2060	0100	1715	1404	6010	1402	3510	6020	3311	A OMLD HLBBZH POI	2070	0466	3020	0471	3340	0567	3024	3351	1237	D XPD O5E MTO1J4
2100	0563	3041	3321	0560	3042	3322	0555	3043	E X60QE X70RE X8	2110	3323	1377	0551	3610	3457	0342	3057	6020	OSK E13H1.C7X. P
2120	1701	6010	1400	0100	1723	3077	6220	3057	QA HL A DSX PX.	2130	3414	1400	3413	1456	0200	0336	3011	0456	ILL IKL,B C3XID,
2140	0362	0100	2141	3005	3411	3006	3412	1402	C A Q6XE1IXF1JLB	2150	3413	1457	0200	0336	3011	0463	1500	3401	IKL.B C3XID M 1A
2160	1400	0200	0336	3074	1620	6010	3011	0551	L B C3X NP HXIE1	2170	3701	0666	0350	0100	1662	0200	0513	3014	=4AF C/A N B EKXL
2200	1003	1620	3272	5400	2020	1063	2300	2100	HCPNZ = PPH S Q	2210	5400	2017	0100	2173	----	----	1601	6250	= PDA Q NA /
2220	1616	6230	2000	6776	0200	2251	3016	3203	NN XP B R1XNZC	2230	0540	0100	2166	0323	0100	1273	0200	2240	E5A Q CSA J B R5
2240	3044	1337	3444	3057	6220	1701	6240	0364	X9K419X. PDA 5C	2250	0100	2226	5400	2266	3402	3007	1601	4402	A RV= R 1BXGNA9B
2260	2300	1200	0503	4025	4402	2030	6776	0200	S J EC5U9BPX B	2270	0563	3607	2300	1200	0553	3407	4025	3406	E 3G5 J E\$1G5U1F
2300	3625	4025	0545	3076	6010	3010	0574	0200	3U5UE+X HXHE B	2310	0566	0200	2132	0100	2250	0100	1265	3074	E B QZA R/A J X
2320	1625	6010	3014	0411	1401	3412	1400	3411	NU HXL0ILA1JL I1	2330	1421	0200	0336	0363	3056	0457	1400	3412	LQB C3C X,D,L 1J
2340	3411	1421	0200	0336	0367	0100	2345	3065	I1LQB C3C A S+X	2350	1006	1603	6010	3045	1003	1006	3111	1006	HFNC HX+HCHFYIHF
2360	3165	1006	3112	3447	1063	3446	1014	3147	Y HFYJ1+H I-HLY*	2370	0354	0100	1215	2000	3777	5400	6776	1477	C=A JMP 4 = L
2400	5400	6777	3057	0406	5400	7011	1701	6170	= X.DF= IGA	2410	7000	3005	5400	7005	3006	5400	7006	1427	XE= EXF= FLW
2420	6170	7012	5600	7012	1400	3407	1601	5400	J, JL IGNA=	2430	7007	2030	6776	0200	0563	5000	7007	3407	GPX B E / GIG
2440	0100	2371	0100	1243	3057	0404	1701	6173	A S A JBX.DDOA	2450	7000	1427	6170	7012	3006	5400	7007	3007	LW JXF= GXG
2460	5400	7010	1400	5400	6777	5400	6776	2000	= HL = P	2470	6776	0200	0563	0100	2442	0005	0010	----	B E A T7 E H
2500	----	----	----	----	----	----	----	----		2510	----	1603	0600	----	0001	1215	0013	4724	NCF AJM K*T
2520	4724	0001	0005	0303	2014	1701	0401	1215	*T A ECCPLOADA JM	2530	0013	5130	5132	0703	0405	3232	3232	3204	K(XZGCDEZZZZD

2540	1600	1515	0004	4217	5277	0105	0303	1116	N MM D70J AEECCIN	2550	2025	2400	0001	0055	0005	4063	4063	0010	PUT A E5 5 H
2560	0005	0356	0100	2562	3401	3074	1622	6010	EC,A U IAX NR H	2570	3012	1066	3402	3001	3412	3074	1622	6210	XJH 1BXAIJX NR H
2600	3002	0360	0100	1110	3037	1104	0504	5000	XBC A IHX4IDED/	2610	1166	0470	1404	6010	3011	3210	1677	1071	I D LD HXIZH H
2620	1605	3127	3156	1017	5100	1177	1003	5400	NEYWY,HOI I HC=	2630	3003	1063	5400	3002	3077	6335	2772	1401	XCH = XB X 2W LA
2640	3412	1402	3411	1460	0200	0336	1442	6010	IJLBII L B C3L7 H	2650	5000	3002	1277	3413	1014	5300	3003	3414	/ XB J IKHL5 XC1L
2660	3211	1056	0402	1413	1103	3412	5000	1177	ZIH, DBLKIC1J/ I	2670	0412	3056	2177	7677	0606	1476	0200	0336	DJX, Q FFL B C3
2700	0100	2744	1400	3411	1455	0200	0336	3011	A M9L IIL B C3XI	2710	3405	3520	3014	3421	2400	3406	0426	0200	IE2PXL1QT 1FDVB
2720	0513	3014	1003	1620	3272	5400	2145	1063	EKXLHCNPZ = O+H	2730	5500	2144	5000	0106	5400	2261	5400	2273	Q9/ AF= R = R
2740	0200	2132	0100	2602	3052	1201	0413	2000	B QZA VBXJADKP	2750	4135	3415	2033	0406	0200	0476	0200	2512	621MPODFB D B UJ
2760	1401	0200	2563	0404	1447	0200	0336	1402	LAB U DDL*B C3LB	2770	0100	1274	0002	0132	4430	----	0001	----	A J BAZ9X A
3000	0132	0044	----	0204	0100	1102	1400	3427	AZ 9 BDA IBL 1W	3010	1402	3435	3426	3056	2177	7677	5400	1555	LB121VX, Q = M
3020	1403	6010	3051	1237	1001	3110	6030	3436	LC HX(J4HAYH X13	3030	3030	5500	1452	3031	5400	1453	3074	1620	XX L1X Y = L1X NP
3040	6040	1602	6010	1604	6003	1636	6060	1606	5NB HND CN3 NF	3050	6030	2000	0302	3417	3041	1120	0520	5700	XP CB10X6IPEP.
3060	1372	3017	5400	1233	5400	1235	5400	1263	K XO= JO= JZ= J	3070	5400	1104	5400	1116	5400	1231	3003	0511	= ID= IN= JYXCEI
3100	3012	2200	7000	3142	3141	0503	3033	3334	XJR Y7Y6ECX001	3110	0533	3031	1006	0630	3052	1101	0425	3074	EOXYHFFXJIADUX
3120	2100	0101	6010	1601	6040	3040	0515	3010	U AA HNA 5X5EMXH	3130	1017	0712	3074	1670	6030	3033	1377	3132	HOGJX N XXOK YZ
3140	0503	5400	1166	3074	1601	5400	2214	1624	EC= I X NA= RLNT	3150	6030	1644	6010	1621	6040	3043	1201	0412	XN9 HMQ 5X8JADJ
3160	2000	1401	5400	3645	3743	3074	2100	0112	P LA= 3+48 X AJ	3170	6240	3034	5400	2011	5400	1177	0507	3056	5X1= PI= I EGX,
3200	5400	1555	3017	5400	1235	3010	3457	3061	= M XO= J2XHL X	3210	3162	3163	3164	0402	1440	3403	1466	6060	Y Y Y OBL51CL
3220	3011	0415	1701	6135	2477	3052	1101	0504	XIDMOA 2T XJIAED	3230	3053	1020	0604	3011	5400	2123	3074	1621	X1HPFOX I= QSX NQ
3240	6040	3003	3444	3043	1277	3437	3052	1101	5XC19X8J 14XJIA	3250	0416	3037	1103	0513	3074	1150	6010	3011	DNX4ICLKX I/ HXI
3260	1014	0603	0200	3766	1501	0334	3017	5400	HLCFB 4 MAC1XO=	3270	1104	5400	1116	5400	1231	3036	6135	7050	ID= IN= JYX3 2 /
3300	3057	0502	1467	1701	6135	7062	3052	1101	X.EBL DA 2 XJIA	3310	0437	3037	1104	0406	3074	1067	0527	0100	D4X4IDOFX H EWA
3320	3527	2136	2221	0200	0476	2000	0220	6010	2WQ3RQB D P BP H	3330	3013	3465	3074	1621	6010	0200	4075	1410	XK1 X NQ HB 5 LH
3340	3402	0200	2346	6102	7240	0100	3004	3053	1BB S= B 5A XDX1	3350	1017	0614	5000	3541	5400	1326	3017	5400	HOFL/ 26= KVXO=
3360	1223	5400	1233	0100	3456	3074	2100	0101	JS= JOA 1,X Q AA	3370	6030	1601	6010	3011	1016	0717	3013	1237	XNA HXIHNQXKJ4
3400	1014	3314	0412	5400	1421	1063	5500	1420	HLOLDJ= LQH LP	3410	2000	1420	5400	1414	3030	1017	0620	3033	P LP= LLXXHOFPXO
3420	1237	1014	3334	0413	1601	5400	1436	1063	J4HLOIDKNA= L3H	3430	5500	1435	2000	1404	5400	1431	3011	1015	L2P LD= LYXIH M
3440	0705	3055	1006	1601	6260	3054	0413	5400	GEX HFNA X=DK=	3450	1555	3256	0704	3056	5400	1555	3017	5400	M Z,GDX= M XO=
3460	1235	3017	5400	1225	5400	1231	5400	1110	J2XO= JU= JY= IH	3470	3053	1020	0706	3017	5400	1227	5400	1114	X1HPGF XO= JM= IL
3500	3053	1201	1101	5500	3624	2000	1405	5400	X1JAI A 3TP LE=	3510	3645	1704	5400	3647	3017	5400	3654	5000	3+OD= 3*XO= 3=/
3520	3764	5400	3664	2000	3422	5400	2714	2000	4 = 3 P IR= WLP	3530	3103	5400	2172	5000	2233	5400	2177	0100	YC= Q / RO= Q A
3540	3004	0315	0100	1104	1466	6020	3052	0415	XDCMA IDL PXIDM	3550	1400	3442	3443	2047	0415	3440	1071	1377	L 1718P*DM15H K
3560	3441	3053	1020	0603	3057	0527	2000	4077	16X1HPFCX.EWP 5	3570	3420	2000	4135	3415	2033	0206	0200	0476	1PP 621MPO8FB D
3600	2400	0603	0100	3745	3052	1101	0504	2000	T FCA 4+XJIAEDP	3610	7400	3420	1400	3444	3051	1237	3144	2300	1PL 19X(J4Y5
3620	0100	3444	3052	0413	1400	3543	3053	1017	A 19XJDKL 28X1HU	3630	0606	2000	1400	3544	5500	1161	3074	1622	FFP L 29 I X NR
3640	6010	1640	6030	1601	6003	1401	3424	3056	HNS XNA CLA1TX,	3650	3423	3020	1377	3420	5000	1177	3422	3074	15XPK 1P/ I 1RX
3660	1671	6010	3012	1013	0627	3014	3424	3013	N HXJHKFWLITXK	3670	3422	3012	1006	3420	2000	0300	3544	4131	1RXJHF1PP C 296Y
3700	7777	3413	3012	2200	7600	3412	3074	2100	1KXJR 1JX Q	3710	0071	6210	0310	3024	2177	0014	0704	3074	HCHXTQ LGDX
3720	1076	3420	3033	0404	3423	1400	3433	3434	H 1PXODD1SL 1011	3730	3006	0404	3422	1400	3406	3407	3074	1662	XFDD1RL 1F1GX N
3740	6230	1601	6203	0100	3542	3052	1201	0404	XNA CA 27XJADDD	3750	0200	2512	1401	0200	2563	0404	1447	0200	B UJLAB U DDL*B
3760	0336	1402	0100	1274	0336	0100	3765	3074	C3LBA J C3A 4 X	3770	1121	6170	4123	1172	6170	4130	1130	6170	IQ 6S1 6X1X
4000	4135	5000	4135	1377	1101	5400	4135	2000	62/ 62K IA= 62P	4010	4123	5400	4136	2000	4142	3415	2033	0125	6S= 63P 671MPOAU
4020	0200	0476	1702	0741	5700	4057	3401	0614	B D OBG6. 5.1AFL	4030	1400	3411	1466	0200	0336	2004	4060	0200	L 1IL B C3P05 B
4040	0442	0100	3765	3701	0746	5000	0112	5400	D7A 4 4AG- / AJ=	4050	4051	----	0576	1400	0200	0336	0364	0010	5( E L B C3C H
4060	0125	2322	5655	3534	4444	3335	5736	3540	AUSR, 219902.325	4070	2516	2423	5700	----	0100	4074	3011	1701	UNTS. A 5 XIOA
4100	1207	1011	3445	2077	4444	3512	3012	2200	JGH11+P 992JJKR	4110	0700	3545	3012	1207	1003	3545	3013	1071	G 2+XJGHC2+XKH
4120	1733	3545	0351	0100	4123	0200	1541	1607	002+CIA 6SB M6NG	4130	6010	3013	1377	1006	3312	0465	1006	3467	HXKK HFOJD HF1
4140	1063	1237	3466	3013	1237	3462	1014	3314	H J41 XKJ41 HLOL	4150	3463	1702	0603	0100	4331	1602	1006	3166	I UBFC A BYNBH FY
4160	1014	3167	1071	3256	0630	1466	6010	1400	HLY H Z,FXL HL	4170	3401	3402	3062	3101	1006	3155	1006	3163	1AIBX YAHFY HFY
4200	3102	6210	3602	1063	3501	3366	0563	3002	YB H3BH 2AO E XB	4210	3367	0560	3006	0503	0100	4123	0200	4457	O E XFCEA 6SB 9.
4220	1701	0506	3002	0504	3003	1101	0465	0200	0AEFXBEDXCIAD B	4230	3732	1400	3425	5400	6764	2000	6764	0200	4ZL 1U= P B
4240	4420	0411	3625	3066	1014	3167	3201	0604	9PDI3UX HLY ZAFD	4250	3067	3401	0430	3062	1006	3155	1006	3163	X 1ADXX HFY HFY
4260	6301	6766	3001	3563	1063	3562	3066	1014	A XA2 H 2 X HL	4270	3167	3201	3467	1063	3466	3001	1071	0403	Y ZAI H I XAH DC
4300	0100	4235	0200	0566	3025	0407	5500	1377	A 72B E XUDG K	4310	1063	5500	1376	0332	3044	1240	0513	3057	H K CZX9J5EKX.
4320	6020	2000	0100	5500	3723	3022	3406	3023	PP A 45XRIFXS	4330	3407	0200	1541	1601	6010	3011	2200	3777	1GB M6NA HXIR 4
4340	3411	0200	1541	1601	6210	0100	4123	0100	IIB M6NA HA 6SA	4350	4347	3006	3400	3000	3406	1075	2100	7070	B*XFI X 1FH Q

RA - CP,12/XTAFP. EXPRESS 11 DSDI - V2.0 79/10/30. 10.59.47. PAGE 17  
 000000 PP26 LDQ 16.23.30. 79/08/17. (35) CYBER 174 5/N 620 CLSH. NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - DSDI SAMPLE.

4360	6010	3006	1203	3401	5001	0010	3400	1006	HXFJCI1A/A H1 HF	4370	0617	1500	5300	0106	3537	0655	3637	3736	FOM 1 AF24F 3443	
4400	0652	5000	0106	3137	3407	0100	4347	1071	F1/ AFY4LGA B*H	4410	3237	0773	3036	0467	1500	0367	3001	0100	Z4G X3D M C XAA	
4420	4417	3403	0200	0560	0603	0200	1565	5003	901CB E FCB M /C	4430	0001	3401	4003	0505	3401	5003	0001	0457	ALASCEEA1A/C AD.	
4440	3407	1006	0653	1071	3406	1400	3407	4003	1GHFFH IFL 1G5C	4450	0403	5003	0001	3401	0100	4417	0100	4456	DC/C ALAA 90A 9,	
4460	1400	3403	3402	3400	3006	1075	2100	7070	L 1C1B1 XFH Q	4470	6010	3006	1203	3401	5001	0010	1006	0612	HXFJCI1A/A HHHFJ	
4500	1071	3406	5000	0106	3503	1063	3502	3600	H 1F/ AF2CH 2B3	4510	0353	1071	3407	3503	1063	3502	3600	0100	C5H 1G2CH 2B3 A	
4520	4456	0100	4521	3006	1075	2100	7070	6010	9,A +QXFH Q H	4530	3006	1203	3401	5001	0010	0363	1071	3306	XFJCI1A/A HC H OF	
4540	0424	3306	3400	1203	3401	5000	0106	3537	DTOF1 JC1A/ AF24	4550	1063	3536	3000	1075	2100	7070	6010	5001	H 23X H Q H/A	
4560	0010	1006	0753	1401	0100	4564	3403	3007	HHFGSLAA + 1CXG	4570	3437	1063	3436	3003	0364	1400	3435	3020	14H 13XCC L 12XP	
4600	1277	3405	3023	3407	3022	3406	0403	0200	J 1EXS1GXRFDCB	4610	4643	3045	0503	0100	3315	1202	0403	0100	-8X+ECA OMJBDCA	
4620	3350	3436	1401	3437	3045	1071	1207	3401	0/13LAI4X+H JG1A	4630	5001	4634	3401	0101	----	3540	3477	3440	/A-11AAA 251 15	
4640	4575	3670	0100	4611	0200	0513	3014	1003	+ 3 A -1B EKXLHC	4650	1620	3272	5400	4357	5400	4467	5400	4526	NPZ = 8. = 9 = +V	
4660	5400	4555	1063	2300	2100	5400	4356	5400	= + H S Q = 8, =	4670	4466	5400	4525	5400	4554	0100	4642	----	9 = +U= +A -7	
4700	----	2313	0214	5323	2100	----	0001	0010	SKBL\$SQ A H	4710	4500	----	0250	2313	0614	5323	2100	----	+ B/SKFL\$SQ	
4720	0001	----	5400	----	0261	2313	1120	5323	A = B SKIP\$S	4730	2100	----	0001	0002	6600	----	0262	2313	Q A B B SK	
4740	2302	5323	2100	----	0001	0001	3000	----	SB\$SQ A AX	4750	0266	2313	2306	5323	2100	----	0001	----	B SKSF\$SQ A	
4760	7700	----	0270	2701	2253	2321	----	----	B WAR\$SQ	4770	0001	0002	1100	----	0272	2705	1730	5323	A BI B WEOX\$S	
5000	2100	----	0001	0001	7200	----	0275	2215	Q A A B RM	5010	5315	2307	2300	----	0001	0022	1200	----	\$MSG\$ A RJ	
5020	0300	2215	5330	0611	2400	----	0001	0002	C RM\$XFIT A B	5030	0600	----	0323	0705	2453	0625	----	0016	F CSGET\$FU N	
5040	0001	0001	4500	----	0125	0705	2453	2200	A A+ AUGET&R	5050	----	0016	0001	0001	3200	----	0127	0705	N A AZ AWGE	
5060	2453	2300	----	0016	0001	0005	0014	----	T&S N A E L	5070	0131	0705	2453	2700	----	0016	0001	----	AYGET\$W N A	
5100	7400	----	0137	0705	2453	3200	----	0016	A4GET&Z N	5110	0001	0001	5100	----	0141	0705	2453	2701	A AI A6GET\$WA	
5120	----	0016	0001	0002	2300	----	0143	0720	N A BS ABGP	5130	2415	5323	2100	0016	0001	0005	0700	----	TM\$SQ N A EG	
5140	0146	1401	0214	5322	1500	0016	0001	0003	A-LABL\$RM N A C	5150	5000	----	0154	1402	2506	5322	1500	0016	/ A=LBUF\$RM N	
5160	0001	0001	4700	----	0160	1404	2224	5301	A A* A LDRT\$A	5170	0100	0016	0001	----	3200	----	0162	1720	A N A Z A UP	
5200	0516	5322	1500	0016	0001	0015	0200	----	EN\$RM N A MB	5210	0163	2025	2453	2321	----	0016	0001	0007	A PUT\$SQ N A G	
5220	3200	----	0201	2025	2453	0311	----	0016	Z BAPUT\$CI N	5230	0001	0001	0700	----	0211	2025	2453	0513	A AG BIPUT\$EK	
5240	----	0016	0001	0001	5400	----	0213	2025	N A A= BKPU	5250	2453	0424	----	0016	0001	0001	0200	----	T\$DT N A AB	
5260	0215	2025	2453	2200	----	0016	0001	----	BMPUT&R N A	5270	5000	----	0217	2025	2453	2300	----	0016	/ BOPUT\$S N	
5300	0001	0004	3700	----	0220	2025	2453	2700	A D4 BPPUT\$W	5310	----	0016	0001	0002	5000	----	0225	4000	N A B/ BUS	
5320	----	----	0141	4000	----	----	----	----	A65	5330	0111	4000	----	----	0066	4000	----	----	A15 5	
5340	----	----	0245	4000	----	----	0160	----	B+5 A	5350	0705	2453	2701	----	4000	----	----	----	GET\$WA 5	
5360	----	0143	4000	----	----	0072	0720	----	A85 GP	5370	2415	5323	2100	----	4000	----	----	----	TM\$SQ 5	
5400	0146	1401	0214	5322	1500	----	4000	----	A-LABL\$RM 5	5410	----	----	0154	1402	2506	5322	1500	----	A=LBUF\$RM	
5420	4000	----	----	----	0160	1404	2224	5301	5 A A LDRT\$A	5430	0100	----	4000	----	----	0162	1720	----	A 5 A OP	
5440	0516	5322	1500	----	2324	0624	5322	1500	EN\$RM STFT\$RM	5450	----	4000	----	----	0163	0614	2310	----	5 A FL\$H	
5460	5323	2100	----	2024	0315	5323	2100	----	\$SQ PTCM\$SQ	5470	2024	0614	5323	2100	----	2024	0717	5323	PTFL\$SQ PTG\$S	
5500	2100	----	2024	0734	5323	2100	----	2024	Q PTG1\$SQ PT	5510	1117	5323	2100	----	2024	1420	5323	2100	IO\$SQ PTLP\$SQ	
5520	----	2024	2224	5323	2100	----	2025	2453	PTRT\$SQ PUT\$	5530	2321	----	----	4000	----	----	0201	----	SQ 5 BA	
5540	4000	----	----	0066	4000	----	----	----	5 5	5550	----	0272	4000	----	----	0160	2002	----	B 5 A PB	
5560	1602	5323	2100	----	2025	2453	0300	----	NB\$SQ PUT\$C	5570	----	2025	0112	4031	3334	3703	0100	0005	PUAJ5Y014CA E	
5600	5250	----	0435	4004	----	----	----	----	I/ D25D	5610	----	----	----	----	----	----	----	----	----	
5620	----	----	----	----	----	----	----	----	----	5630	----	----	----	----	----	----	----	----	----	----
5640	----	----	----	----	0160	2025	2453	----	A PUT\$	5650	0400	----	----	2025	2453	2400	----	----	D PUT\$T	
5660	4000	----	----	0215	2025	2453	2200	----	5 BMPUT&R	5670	----	----	4000	----	----	0217	0614	----	5 BOFL	
5700	2310	5323	----	2025	2453	2300	----	----	SH\$S PUT\$S	5710	----	4000	----	----	0220	4000	----	----	5 BP5	
5720	----	0066	4000	----	----	0160	----	----	5 A	5730	2025	2453	2700	----	2025	2453	2706	----	PUT\$W PUT\$WF	
5740	----	2025	2453	2711	----	2025	2025	----	PUT\$WI PU	5750	2453	2724	----	4000	----	----	----	----	T\$WT 5	
5760	0225	2025	2453	3200	----	2025	2453	----	BUPUT&Z PUT\$	5770	3224	----	----	4000	----	----	0230	----	ZT 5 BX	
6000	2025	2453	2701	----	4000	----	----	----	PUT\$WA 5	6010	----	0232	4000	----	----	0072	2205	----	BZ5 RE	
6020	2014	5323	2100	----	4000	----	----	----	PL\$SQ 5	6030	0235	2205	2753	2321	----	4000	----	----	BZREW\$SQ 5	
6040	----	0242	2220	0553	2321	----	----	----	B7RPE\$SQ	6050	4000	----	----	0245	4000	----	----	----	5 B+5	
6060	----	0111	4000	----	----	0066	4000	----	A15 5	6070	----	----	0160	2313	0214	5323	2100	----	5 A SKBL\$SQ	
6100	----	4000	----	0250	2313	0614	----	----	5 B/SKFL	6110	5323	2100	----	4000	----	0261	----	----	\$SQ 5 B	
6120	4000	----	0111	4000	----	----	----	----	5 A15	6130	----	0066	4000	----	0245	4000	----	5	5 B+5	
6140	----	0160	2313	1120	5323	2100	----	----	A SKIP\$SQ	6150	----	4000	----	0262	2313	2302	----	5	8 SKSB	
6160	5323	2100	----	4000	----	0266	----	----	\$SQ 5 B	6170	2313	2306	5323	2100	----	4000	----	----	5 SKSF\$SQ	

6200	----	0270	2701	2253	2321	----	----	4000	B WAR1SQ	5	6210	----	----	----	0272	2705	1730	5323	2100	B WEOK1SQ		
6220	----	4000	----	----	----	0275	4000	----	5	B 5	6230	----	----	0272	2215	5305	2401	0200	----	B RM1ETAB		
6240	2215	5316	2401	0200	----	4000	----	----	RM1NTAB	5	6250	----	0300	2215	5330	0611	2400	----	4000	C RM1XFIT	5	
6260	----	----	----	0323	2025	2453	0300	----	CSPUT1C		6270	----	2025	2453	1100	----	----	4000	----	PUT1I	5	
6300	----	----	0211	2025	2453	0500	----	----	BIPUT1E		6310	2025	2453	1300	----	----	4000	----	PUT1K	5		
6320	----	0213	4000	----	----	0201	4000	----	BK5	BA5	6330	----	----	0066	4000	----	----	----		5		
6340	0272	4000	----	----	0160	2025	2453	----	B 5	A PUT1	6350	0400	----	2025	2453	2400	----	----	D	PUT1T		
6360	4000	----	----	0215	2025	2453	2200	----	5	BMPUT1R	6370	----	----	4000	----	----	0217	0614		5		
6400	2310	5323	----	2025	2453	2300	----	----	SH1S	PUT1S	6410	----	4000	----	----	0220	4000	----	5	BOFL		
6420	----	0066	4000	----	----	0160	----	5	5	A	6430	2025	2453	2700	----	2025	2453	2706	PUT1M	PUT1WF		
6440	----	2025	2453	2711	----	2025	2025	----	PUT1WI	PU	6450	2453	2724	----	4000	----	----	----	T1WT	5		
6460	0225	2025	2453	3200	----	2025	2453	----	BUPUT1Z	PUT1	6470	3224	----	4000	----	----	0230		ZT	5		
6500	2025	2453	2701	----	4000	----	----	----	PUT1WA	5	6510	----	0232	4000	----	----	0072	5700		BZ5		
6520	----	5525	1622	0503	1726	0522	0504	5515	UNRECOVERED M		6530	0123	2355	2324	1722	0107	0555	0522	2217	ASS STORAGE ERRO		
6540	2257	----	5517	2605	2214	0131	5514	1723	R. OVERLAY LOS		6550	2457	----	----	0100	6232	1400	3402		T. A ZL LB		
6560	5002	7500	0470	3310	0516	5002	7501	3311	/B D OHEN/B AOI		6570	0512	5002	7502	3312	0506	5002	7503	3313	EJ/B BOJEF/B COK		
6600	1377	0452	1405	3502	0353	0100	6277	3010	K D1LE2BC1A	XH	6610	2300	1725	0572	3011	2300	2420	0566	3012	S OUE XIS TPE XJ		
6620	2300	2524	0562	3013	1377	0357	3232	3232	S UTE XKK C.ZZZZ		6630	3217	2500	1500	0075	----	----	0005		ZOU M	E	
6640	4411	2000	4507	5400	2237	3074	1650	6010	9IP +G= R4X N/ H		6650	1615	6030	3030	1071	5500	4732	3054	0514	NM XXXH	*ZX=EL	
6660	3010	2200	2400	0410	1065	0402	1403	1102	XHR T DHM DBLCIB		6670	1006	5500	4676	5000	2505	0416	5400	4605	HF - / UEDN= -E		
6700	5000	2504	1277	5500	4604	3077	6370	2477	/ UDJ	-DX	6710	1701	6170	5004	3074	1662	6010	3011	5400	DA /DX N HX1=		
6720	5010	3210	1701	0704	1400	5400	5010	3074	/HZH0AGDL = /HX		6730	1665	6030	1610	6010	3011	0200	7006	5400	N XNH HX1B F=		
6740	6476	1063	5500	6475	3030	1277	1014	3131	H	XXJ HLYY	6750	0432	1601	5400	6212	1071	3256	0706	2000	DZNA= JH Z,GFP		
6760	0311	5400	5407	0317	0026	0011	5534	5743	CI= -GCD V I 1.8		6770	3335	5555	5555	5555	5534	5740	----	----	OZ	1.5	
7000	1116	2025	2400	0001	0055	0001	4131	4131	INPUT A	A6Y6Y	7010	0164	0001	----	1110	2120	2735	1411		A A	IHQPW2LI	
7020	1613	3555	5500	----	0060	----	0013	0013	NK2	K	7030	0004	0260	----	----	----	----	----		DB		
7040	----	----	----	----	----	----	----	----			7050	----	----	----	----	----	----	----	----			

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7100	----	----	----	----	----	----	----	----			7110	----	----	----	----	----	2300	0050		S /	
7120	----	----	0012	0003	----	----	----	----	J C		7130	----	----	----	----	----	----	----	----		
7140	----	----	----	----	----	----	----	----			7150	----	----	----	----	----	----	----	----		

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7200	----	----	----	----	1300	0035	1415	----		K ZLM	7210	0103	3334	3335	----	----	----	----	AC0102		
7220	0001	1540	0164	1417	0020	3401	1511	0315	AM5A LD PIAH1CM		7230	0103	0012	0003	0010	----	----	----	AC J C H		
7240	----	----	0600	0027	----	----	----	----	F W		7250	0012	0002	----	----	----	----	----	J B		
7260	----	----	----	----	----	----	----	----			7270	----	----	----	----	----	----	----	----		

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7320	----	----	----	----	----	----	----	----			7330	----	----	1300	0014	2325	2011	1711	1604	K LSUPI0IND		
7340	0530	0420	1041	----	----	1404	0233	----	EXDPH6	LDBO	7350	3333	3333	----	----	4000	----	0052	0000	5	)	
7360	1414	1703	3333	3333	----	0001	5000	----	LLOC0000	A/	7370	----	0651	1414	1703	3333	3334	----	F(LLOC0001			
7400	0001	3000	----	0653	1414	1703	3333	3335	AX F1LLOC0002		7410	----	----	0001	1300	----	0655	1414	1703	AK	F LLOC	
7420	3333	3336	----	----	5000	----	----	----	0003	/	7430	1414	1703	3333	3337	----	0001	5500	LLOC0004	A		
7440	----	0661	1414	1703	3333	3340	----	----	F LLOC0005		7450	0002	1300	----	0663	1414	1703	3333	3341	BK	F LLOC0006	
7460	----	0003	7100	----	0666	1414	1703	----	C	F LLOC	7470	3333	3342	----	0003	7100	----	0672	0007	C	F	
7500	3232	3232	3211	1600	1512	3232	3232	3217	ZZZZZIN MJZZZZZQ		7510	2500	1512	----	0040	0061	0066	0056	0062	U MJ	5	
7520	0060	0056	0064	0064	0377	0027	7533	0040	, C W O 5		7530	0040	0040	0040	7574	0101	0107	0105	0377	5	5	
7540	0025	7544	0040	0040	7600	2235	7777	7777	U 9 5 5 R2		7550	0377	0240	0123	7362	0377	0225	0067	7410	C B5AS	C BU H	
7560	0377	0225	0117	7420	0377	0233	0106	7460	C BUAD PC BOAF		7570	0377	0242	0067	7503	0377	0224	0120	7534	C B7	CC BTAP I	
7600	0377	0221	0061	7545	1554	1434	0424	3556	C BQ	+M=L1DT2,	7610	0424	5414	2056	1101	2020	1454	2202	0656	DT=LP,	IAPPL=RBF,	
7620	2403	5435	3333	2524	5655	----	5555	5555	TC=200UT,		7630	5555	5555	5555	0114	0601	1554	3356	0114		ALFAM=O,AL	
7640	2516	5416	1020	2237	5623	2411	2054	1537	UN=NHPK4,	STIP=M4	7650	0123	0311	1157	----	----	----	----		ASCII.		
7660	----	----	----	5514	3404	2436	0055	0055	L1DT3		7670	5555	2405	2215	1116	0114	5523	2411	2054	TERMINAL	STIP=	
7700	1537	0356	5624	----	----	----	----	----	M4C,,T		7710	----	0100	----	----	0500	0354	4234	3757	A	E C=714.	
7720	----	5514	3404	2437	0055	5555	2405	2405	L1DT4	TE	7730	2215	1116	0114	5523	2411	2054	1537	0356	RMINAL	STIP=M4C,	
7740	5624	0354	4234	3757	----	5514	3404	3404	,TC=714.	L1D	7750	2440	0055	5555	2405	2215	1116	0114	5523	T5	TERMINAL	
7760	2411	2054	1537	6313	0336	5600	1753	3014	TIP=M4	KC3, D1XL	7770	3446	0514	3615	0312	6112	0556	0100	0420	1-EL3MCJ	JE,A DP	

EQUIPMENT 06 - MASS STORAGE TABLE

NUMBER OF TRACKS	TDGL 013350 3140	Y5 FX+ A	ALLOCATION FLAGS	DILL 013363 0000	0
RESERVED	0000		CH 2 ACCESS 7154 FLAG	61	
LENGTH OF TRT	0630		CH 1 ACCESS 7154 FLAG	60	
FIRST AVAIL TRACK PTR	4572		CH 4 ACCESS 7154 FLAG	00	
NUM AVAILABLE TRACKS	0163		CH 3 ACCESS 7154 FLAG	00	
FLAGS / INTERLOCK	ACGL 013351 0000	D2 A	BIT 21 IS MAINTENANCE MODE	0	
DA ECS CHAIN FIRST TRACK	0000		MEMORY TYPE - 3 BIT VALUE	0	
DIRECT ACCESS FILE CNT	0435		CPU TYPE - 3 BIT VALUE	0	
FIRST TRACK IQFT	0000		PP PATH TYPE - 3 BIT VALUE	0	
REDEFINITION STATUSES	01		RESERVED	00	
PF UTILITY INTERLOCK	00		ALGORITHM INDEX	04	
ECS ADDRESS MST/TRT	SDGL 013352 00000000		DAYFILE TRACK	DULL 013364 0000	
ECS UPDATE COUNT	0000000000		ACCOUNT FILE TRACK	0000	
MACHINE MASK INTERLOCK	00		ERRLOG TRACK	0000	
FIRST TRACK IAPP	ALGL 013353 4042	575 58 5	SYSTEM TABLE TRACK	0000	
LABEL TRACK	4000		FAMILY IDLE STATUS	0	
FIRST TRACK PERMITS	4043		FAMILY ACTIVITY COUNT	000	
NUMBER CATALOG TRACKS	0040		LOCAL STATUS FLAGS	STLL 013365 0000	62 B I
FIRST TRACK DAT	0000		RESERVED	00	
FAMILY OR PACK NAME	PFGL 013354 16172303142310	NOSCLSH5 A	ERROR STATUS	00	
DEVICE NUMBER	40		MACHINE ID	4135	
RESERVED	00		CURRENT USER COUNT DAF	0002	
REL UNIT MULTIUNIT DEV	0		NEXT EQUIPMENT	00	
NUM UNIT MULTIUNIT DEV	1		ORIGINAL NUMBER UNITS	1	
USER NUM PRIVATE PACK	PUGL 013355 00000000000000	-A5	LOCAL STATUS	1	
DEVICE MASKS	460140		REDEF IN PROG/NULL EQ	DDLL 013366 0	A 3V
FLAGS AND DAT INDEX	MDGL 013356 1000	H A DI C5	RESERVED	0	
FT-HT FLAG /* SECTOR LIMIT	0160		NUMBER PHYSICAL UNITS - 1	01	
DRIVER NAME	0411		EQUIPMENT UNIT LIST	00000000000003626	
0 RESERVED FOR PPR USE	0000		LOCAL INSTAL AREA	ISLL 013367 00000000000000000000	
SECTOR LIMIT	0340				
RESERVED	RIGL 013357 00000000000000000000				
GLOBAL INSTAL AREA	ISGL 013360 00000000000000000000				
	I2GL 013361 00000000000000000000				
ACTIVITY COUNT	DALL 013362 0000	67			
UNIT INTERLOCKS	0000				
CURRENT POSITION	4142				
NEXT BEST POSITION	7777				
RESERVED	0000				

TRACK RESERVATION TABLE

013370 +0000	4001 4002 4003 4004 4017	1----	1111	5A5B5C5D50
013371 +0004	4005 4006 4007 4010 0017	-----	1111	5E5F5G5H 0
013372 +0010	4011 4012 4013 4014 0017	-----	1111	5I5J5K5L 0
013373 +0014	4015 4016 4017 4020 0017	-----	1111	5M5N5O5P 0
013374 +0020	4021 4022 4023 4024 0017	-----	1111	5Q5R5S5T 0
013375 +0024	4025 4026 4027 4030 0017	-----	1111	5U5V5W5X 0
013376 +0030	4031 4032 4033 4034 0017	-----	1111	5Y5Z5051 0
013377 +0034	4035 4036 4037 4040 0017	-----	1111	52535455 0
013400 +0040	4041 0000 4146 0151 1417	--11----	1111	56 6-A(LO
013401 +0044	0064 0064 0125 4050 7417	1111----	1111	AU5/ 0
013402 +0050	4051 0106 4053 4054 1017	--1----	1111	5(AF5)5-HQ
013403 +0054	4055 4056 4057 4060 0017	-----	1111	5 5,5.5 0

013404	+0060	4061	4062	4063	4064	0017	----	----	1111	5 5 5 5	0
013405	+0064	4065	4066	4067	4070	0017	----	----	1111	5 5 5 5	0
013406	+0070	4071	4072	4073	4074	0017	----	----	1111	5 5 5 5	0
013407	+0074	4075	4076	4077	4100	0017	----	----	1111	5 5 5 6	0
013410	+0100	4101	4102	4103	4104	0017	----	----	1111	6A6B6C6D	0
013411	+0104	4105	4106	4107	4110	0017	----	----	1111	6E6F6G6H	0
013412	+0110	4112	3777	4113	4114	0017	----	----	1111	6J4 6K6L	0
013413	+0114	4115	4116	4117	4120	0017	----	----	1111	6M6N6O6P	0
013414	+0120	4121	4122	4123	4124	0017	----	----	1111	6Q6R6S6T	0
013415	+0124	0100	4126	0124	0147	2417	-1-1	----	1111	A 6VATA+T0	
013416	+0130	0312	0017	0274	4134	7417	1111	----	1111	CJ 0B 61	0
013417	+0134	4135	4136	4137	0216	0017	----	----	1111	6263648N	0
013420	+0140	0243	3777	0046	0233	5417	1-11	----	1111	B84 -B0-0	
013421	+0144	0001	0001	4150	0001	6417	11-1	----	1111	A A6/ A 0	
013422	+0150	4251	4152	0031	0044	2417	-1-1	----	1111	7(6) Y 9T0	
013423	+0154	0001	4156	4157	4160	6017	11--	----	1111	A6,6.6	0
013424	+0160	4161	4162	4163	4164	0017	----	----	1111	6 6 6 6	0
013425	+0164	4165	4166	4167	4170	0017	----	----	1111	6 6 6 6	0
013426	+0170	4171	4172	4173	4174	0017	----	----	1111	6 6 6 6	0
013427	+0174	0137	4176	0000	4200	2417	-1-1	----	1111	A46 7 T0	
013430	+0200	4201	4202	4203	4204	0017	----	----	1111	7A7B7C7D	0
013431	+0204	4205	4206	4207	4210	0017	----	----	1111	7E7F7G7H	0
013432	+0210	4211	4212	4213	4214	0017	----	----	1111	7I7J7K7L	0
013433	+0214	4215	4216	0137	4220	0417	---1	----	1111	7M7NA47P00	
013434	+0220	4221	4222	4223	0007	0017	----	----	1111	7Q7R7S G 0	
013435	+0224	4225	4226	4227	4230	4017	1---	----	1111	7U7V7W7X50	
013436	+0230	0323	4232	4233	4234	2017	-1---	----	1111	CS7Z7071P0	
013437	+0234	4235	4236	4237	4240	0017	----	----	1111	72737475	0
013440	+0240	4241	4242	4243	4244	0017	----	----	1111	76777879	0
013441	+0244	4245	4246	4247	4250	0017	----	----	1111	7+7-7*7/	0
013442	+0250	0137	4252	4253	4254	0017	----	----	1111	A471757-	0
013443	+0254	4255	4256	4257	4260	0017	----	----	1111	7 7,7.7	0
013444	+0260	4261	4262	4263	4264	0017	----	----	1111	7 7 7 7	0
013445	+0264	4265	4266	4274	0031	0417	---1	----	1111	7 7 7 YD0	
013446	+0270	4271	0125	0073	0216	5417	1-11	----	1111	7 AU BN=0	
013447	+0274	4275	4276	4277	4343	0017	----	----	1111	7 7 7 88	0
013450	+0300	0131	0022	0105	0200	7417	1111	----	1111	AY RAEB	0
013451	+0304	4305	4306	0267	4310	4417	1--1	----	1111	8E8FB 8H90	
013452	+0310	4311	4312	4313	0247	0017	----	----	1111	8I8J8KB*	0
013453	+0314	4315	4316	4317	4320	4017	1---	----	1111	8M8N8O8P50	
013454	+0320	4321	4322	4323	4324	0017	----	----	1111	8Q8R8S8T	0
013455	+0324	4325	0024	4327	4330	1017	--1-	----	1111	8U T8W8XH0	
013456	+0330	4331	4332	4333	4334	0017	----	----	1111	8Y8Z8081	0
013457	+0334	4335	4336	4337	0101	0017	----	----	1111	828384AA	0
013460	+0340	4341	4342	0213	4344	4017	1---	----	1111	86878K8950	
013461	+0344	4400	4346	4347	4350	2017	-1---	----	1111	9 8-8*8/P0	
013462	+0350	0014	0203	0316	0012	3417	-111	----	1111	LBCCN J10	
013463	+0354	0133	4356	4357	4360	6017	11--	----	1111	A08,8.8	0
013464	+0360	4361	4362	4363	4364	0017	----	----	1111	8 8 8 8	0
013465	+0364	4365	4366	4367	4370	0017	----	----	1111	8 8 8 8	0
013466	+0370	0022	0054	4373	4374	3017	-11-	----	1111	R =8 8 X0	
013467	+0374	4375	4376	0245	0035	0417	---1	----	1111	8 8 B+ 200	
013470	+0400	4410	0036	4403	4404	3017	-11-	----	1111	9H 39C9DX0	
013471	+0404	4405	4406	4407	0313	0017	----	----	1111	9E9F9GCK	0
013472	+0410	4411	5033	0001	4414	1417	--11	----	1111	9I/O A9LL0	
013473	+0414	0262	0173	0311	0133	3417	-111	----	1111	B A CIA010	
013474	+0420	0146	0146	4423	4424	7017	111-	----	1111	A-A-9S9T	0



RA = MST,6,7,11,12,13,14. EXPRESS 11  
000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

DSOI - V2.0 79/10/30. 10.59.49. PAGE 3  
NOS 1--8J03T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

013475 +0424 4425 4426 0006 0234 0417 ----1 ---- 1111 9U9V FB100  
013476 +0430 0073 0235 0005 0145 7417 1111 ---- 1111 B2 EA+ 0  
013477 +0434 0134 0152 0307 0300 7417 1111 ---- 1111 A1A)CGC 0  
013500 +0440 4605 0104 0072 0004 7417 1111 ---- 1111 -EAD D 0  
013501 +0444 0161 0052 0154 0026 7417 1111 ---- 1111 A JA= V 0  
013502 +0450 0241 0142 4453 0154 7017 111- ---- 1111 B6A79SA= 0  
013503 +0454 0235 0312 0002 0064 7417 1111 ---- 1111 B2CJ B 0  
013504 +0460 4461 4462 4463 4464 4017 1--- ---- 1111 9 9 9 9 50  
013505 +0464 0152 0312 0136 4470 3417 -111 ---- 1111 A)CJA39 10  
013506 +0470 4471 4472 4473 4474 0017 ---- ---- 1111 9 9 9 9 0  
013507 +0474 4475 4476 4477 4500 0017 ---- ---- 1111 9 9 9 + 0  
013510 +0500 0010 4502 4503 4504 2017 -1--- ---- 1111 H+B+C+DPO  
013511 +0504 4505 4506 4507 4510 0017 ---- ---- 1111 +E+F+G+H 0  
013512 +0510 4511 4512 4513 4514 0017 ---- ---- 1111 +I+J+K+L 0  
013513 +0514 4515 4516 4517 4520 0017 ---- ---- 1111 +M+N+O+P 0  
013514 +0520 4521 4522 4523 4524 0017 ---- ---- 1111 +Q+R+S+T 0  
013515 +0524 4525 4526 4527 4530 0017 ---- ---- 1111 +U+V+W+X 0  
013516 +0530 4531 4532 4533 4534 0017 ---- ---- 1111 +Y+Z+0+1 0  
013517 +0534 4535 4536 4537 4540 0017 ---- ---- 1111 +2+3+4+5 0  
013520 +0540 4541 4542 4543 4544 0017 ---- ---- 1111 +6+7+8+9 0  
013521 +0544 4545 4546 4547 4550 0017 ---- ---- 1111 +++-+\*/ 0  
013522 +0550 4551 4552 4553 4554 0017 ---- ---- 1111 +(+)+\$+= 0  
013523 +0554 4555 4556 4557 4560 0017 ---- ---- 1111 + +,+.+ 0  
013524 +0560 4561 4562 4563 4564 0017 ---- ---- 1111 + + + + 0  
013525 +0564 4565 4566 4567 4570 0017 ---- ---- 1111 + + + + 0  
013526 +0570 4571 4572 4573 4574 0017 ---- ---- 1111 + + + + 0  
013527 +0574 4575 4576 4577 4600 0017 ---- ---- 1111 + + + - 0  
013530 +0600 4601 0043 6641 0213 1417 --11 ---- 1111 -A 8 6BKLO  
013531 +0604 0034 4606 4607 4610 0017 ---- ---- 1111 1-F-G-H 0  
013532 +0610 4611 4612 4613 4614 0017 ---- ---- 1111 -I-J-K-L 0  
013533 +0614 6175 6636 0305 0054 1417 --11 ---- 1111 3CE =LO  
013534 +0620 0027 0066 0141 0123 7417 1111 ---- 1111 W A6AS 0  
013535 +0624 0064 4626 4627 0022 6017 11-- ---- 1111 -V-W R 0  
013536 +0630 0142 0032 0146 4634 7417 1111 ---- 1111 A7 ZA--1 0  
013537 +0634 4635 4636 4637 4640 0017 ---- ---- 1111 -2-3-4-5 0  
013540 +0640 4641 0236 4643 4644 1017 --1- ---- 1111 -6B3-8-9HU  
013541 +0644 0153 4646 4647 4650 2017 -1-- ---- 1111 A\$---\*/PU  
013542 +0650 0135 4652 4654 3777 2017 -1-- ---- 1111 A2-)--4 PO  
013543 +0654 4655 4656 4657 4660 0017 ---- ---- 1111 - -,.- 0  
013544 +0660 4661 4662 4663 4664 0017 ---- ---- 1111 - - - - 0  
013545 +0664 4665 4666 4667 4670 0017 ---- ---- 1111 - - - - 0  
013546 +0670 4671 4672 4673 4674 0017 ---- ---- 1111 - - - - 0  
013547 +0674 4675 4676 4677 4700 0017 ---- ---- 1111 - - - \* 0  
013550 +0700 4701 4702 4703 4704 0017 ---- ---- 1111 \*A\*B\*C\*D 0  
013551 +0704 4705 4706 4707 4710 0017 ---- ---- 1111 \*E+F\*G\*H 0  
013552 +0710 4711 4712 4713 4714 0017 ---- ---- 1111 \*I\*J\*K\*L 0  
013553 +0714 4715 4716 4717 4720 0017 ---- ---- 1111 \*M\*N\*O\*P 0  
013554 +0720 4721 4722 4723 4724 0017 ---- ---- 1111 \*Q\*R\*S\*T 0  
013555 +0724 4725 4726 4727 4730 0017 ---- ---- 1111 \*U\*V\*W\*X 0  
013556 +0730 4731 4732 4733 4734 0017 ---- ---- 1111 \*Y\*Z\*0\*1 0  
013557 +0734 4735 4736 4737 4740 0017 ---- ---- 1111 \*2\*3\*4\*5 0  
013560 +0740 4741 4742 4743 4744 0017 ---- ---- 1111 \*6\*7\*8\*9 0  
013561 +0744 4745 4746 4747 4750 0017 ---- ---- 1111 \*\*\*-+\*/ 0  
013562 +0750 4751 4752 4753 4754 0017 ---- ---- 1111 \*(+)+\$\*= 0  
013563 +0754 4755 4756 4757 4760 0017 ---- ---- 1111 \* \*,. \* 0  
013564 +0760 4761 4762 4763 4764 0017 ---- ---- 1111 \* \* \* \* 0  
013565 +0764 4765 4766 4767 4770 0017 ---- ---- 1111 \* \* \* \* 0

013566	+0770	4771	4772	4773	4774	0017	----	----	1111	* * * * 0
013567	+0774	4775	4776	4777	5000	0017	----	----	1111	* * * / 0
013570	+1000	5001	5002	5003	5004	0017	----	----	1111	/A/B/C/D 0
013571	+1004	5005	5006	5007	5010	0017	----	----	1111	/E/F/G/H 0
013572	+1010	5011	5012	5013	5014	0017	----	----	1111	/I/J/K/L 0
013573	+1014	5015	5016	5017	5020	0017	----	----	1111	/M/N/O/P 0
013574	+1020	5021	5022	5023	5024	0017	----	----	1111	/Q/R/S/T 0
013575	+1024	5025	0101	0227	0045	1417	--11	----	1111	/UAABW +LO
013576	+1030	5031	5032	0005	5161	4017	1---	----	1111	/Y/Z E( 50
013577	+1034	0063	5036	5037	5040	6017	11--	----	1111	/3/4/5 0
013600	+1040	5041	5042	0055	5044	0417	---1	----	1111	/6/7 /900
013601	+1044	5045	5046	5047	5050	0017	----	----	1111	/+/-/*// 0
013602	+1050	5051	5052	5053	5054	0017	----	----	1111	/(/)/\$/= 0
013603	+1054	0154	5056	5057	5060	2017	-1--	----	1111	A=/,./ / PO
013604	+1060	5061	5062	5063	0132	0017	----	----	1111	/ / / AZ 0
013605	+1064	5065	5066	5067	5070	4017	1---	----	1111	/ / / / 50
013606	+1070	5071	5072	0322	0226	0417	---1	----	1111	/ / CRBV00
013607	+1074	5075	0022	5077	5100	5017	1-1-	----	1111	/ R/ ( /0
013610	+1100	5101	5102	5103	5104	0017	----	----	1111	(A(B(C(D 0
013611	+1104	0017	5106	5107	5110	2017	-1--	----	1111	O(F(G(H(P 0
013612	+1110	5111	5112	0326	0011	0417	---1	----	1111	(I(JCV IDO
013613	+1114	0036	0006	5117	0150	7017	111-	----	1111	3 F(OA/ 0
013614	+1120	5121	5122	5123	5124	4017	1---	----	1111	(Q(R(S(T50
013615	+1124	5125	0053	5127	5130	1017	--1-	----	1111	(U \$ (W(XH0
013616	+1130	5131	5132	5133	5134	0017	----	----	1111	(Y(Z(O(1 0
013617	+1134	5135	5136	5137	5140	0017	----	----	1111	(Z(3(4(5 0
013620	+1140	5141	5142	5143	5144	0017	----	----	1111	(6(7(8(9 0
013621	+1144	5145	5146	5147	5150	0017	----	----	1111	(+(-(*(/ 0
013622	+1150	5151	5152	5153	5154	0017	----	----	1111	((())(= 0
013623	+1154	5155	5156	5157	5160	0017	----	----	1111	( (,(.( 0
013624	+1160	0201	5236	0023	0043	1417	--11	----	1111	BA)3 S 8LO
013625	+1164	0054	0024	0073	0036	7417	1111	----	1111	= T 3 0
013626	+1170	5171	0001	0003	0007	5417	1-11	----	1111	( A C G=0
013627	+1174	0014	5176	0237	0201	6417	11-1	----	1111	L( B4BA 0
013630	+1200	0002	5202	0270	0066	6417	11-1	----	1111	B)BB 0
013631	+1204	0143	5206	5207	5210	6017	11--	----	1111	A8)F)G)H 0
013632	+1210	5211	5212	0324	5214	0417	---1	----	1111	)I)JCT)LDD
013633	+1214	5215	5216	5217	0031	0017	----	----	1111	)M)N)O Y 0
013634	+1220	5222	3777	5223	5224	4017	1---	----	1111	)R4 )S)T50
013635	+1224	5225	5226	0316	5230	0417	---1	----	1111	)U)V(CN)XDD
013636	+1230	0107	0244	0317	0022	3417	-111	----	1111	AGB9CD R10
013637	+1234	5235	0230	5552	5240	4417	1--1	----	1111	)2BX )3590.
013640	+1240	5241	5242	5243	5244	0017	----	----	1111	)6)7)8)9 0
013641	+1244	5245	5246	0251	5250	0417	---1	----	1111	)+-)B( )DO
013642	+1250	5251	5252	5253	0070	0017	----	----	1111	)()()) 0
013643	+1254	5255	0203	5257	5260	5017	1-1-	----	1111	) BC.) /0
013644	+1260	0203	5262	5263	5264	2017	-1--	----	1111	BC) ) ) PO
013645	+1264	5265	5266	5267	0044	0017	----	----	1111	) ) ) 9 0
013646	+1270	0026	5272	5273	5274	6017	11--	----	1111	V) ) ) 0
013647	+1274	0021	5276	5277	5300	2017	-1--	----	1111	Q) ) \$ PO
013650	+1300	0022	5302	5303	5304	2017	-1--	----	1111	R)B)C)DPO
013651	+1304	0262	5306	5307	5310	2017	-1--	----	1111	B \$F)G)HPO
013652	+1310	0022	5312	5313	5314	2017	-1--	----	1111	R)J)K)LPO
013653	+1314	0262	5316	5317	5320	2017	-1--	----	1111	B \$N)O)PPO
013654	+1320	5321	5322	5323	5324	0017	----	----	1111	\$Q)R)S)T 0
013655	+1324	5325	5326	5327	5330	0017	----	----	1111	\$U)V)W)X 0
013656	+1330	5331	5332	5333	5334	0017	----	----	1111	\$Y)Z)0)1 0

013657	+1334	5335	5336	5337	5340	0017	----	----	1111	\$2\$3\$4\$5 0
013660	+1340	5341	5342	5343	5344	0017	----	----	1111	\$6\$7\$8\$9 0
013661	+1344	5345	5346	5347	5350	0017	----	----	1111	\$+\$-\$\$/ 0
013662	+1350	5351	5352	5353	5354	0017	----	----	1111	\$((\$\$\$\$= 0
013663	+1354	5355	5356	5357	5360	0017	----	----	1111	\$ \$, \$, \$ 0
013664	+1360	5361	5362	5363	0030	0017	----	----	1111	\$ \$ \$ X 0
013665	+1364	0051	5366	0014	5370	6417	11-1	----	1111	(\$ L \$ 0
013666	+1370	5371	5372	5373	5374	0017	----	----	1111	\$ \$ \$ \$ 0
013667	+1374	5375	5376	5377	5400	0017	----	----	1111	\$ \$ \$ = 0
013670	+1400	5401	5402	5403	5404	0017	----	----	1111	=A=B=C=D 0
013671	+1404	5405	5406	5407	5410	0017	----	----	1111	=E=F=G=H 0
013672	+1410	5411	5412	5413	5414	0017	----	----	1111	=I=J=K=L 0
013673	+1414	5415	5416	5417	5420	0017	----	----	1111	=M=N=O=P 0
013674	+1420	5421	5422	5423	5424	0017	----	----	1111	=Q=R=S=T 0
013675	+1424	5425	5426	5427	5430	0017	----	----	1111	=U=V=W=X 0
013676	+1430	5431	5432	5433	5434	0017	----	----	1111	=Y=Z=0=1 0
013677	+1434	5435	5437	3777	5440	0017	----	----	1111	=2=44 =5 0
013700	+1440	5441	5442	5443	5444	0017	----	----	1111	=6=7=8=9 0
013701	+1444	5445	5446	5447	5450	0017	----	----	1111	=+-=+/ 0
013702	+1450	5451	5452	5453	5454	0017	----	----	1111	=(=)-\$= 0
013703	+1454	5455	5456	5457	5460	0017	----	----	1111	= , , = 0
013704	+1460	5461	5462	5463	5464	0017	----	----	1111	= = = = 0
013705	+1464	5465	5466	5467	5470	0017	----	----	1111	= = = = 0
013706	+1470	5471	5472	5473	5474	0017	----	----	1111	= = = = 0
013707	+1474	5475	5476	5477	5500	0017	----	----	1111	= = = = 0
013710	+1500	5501	5502	5503	5504	0017	----	----	1111	A B C D 0
013711	+1504	5505	5506	5507	5510	0017	----	----	1111	E F G H 0
013712	+1510	5511	5512	5513	5514	0017	----	----	1111	I J K L 0
013713	+1514	5515	5516	5517	5520	0017	----	----	1111	M N O P 0
013714	+1520	5521	5522	5523	5524	0017	----	----	1111	Q R S T 0
013715	+1524	5525	5526	5527	5530	0017	----	----	1111	U V W X 0
013716	+1530	5531	5532	5533	5534	0017	----	----	1111	Y Z 0 1 0
013717	+1534	5535	5536	5537	5540	0017	----	----	1111	2 3 4 5 0
013720	+1540	5541	5542	5543	5544	0017	----	----	1111	6 7 8 9 0
013721	+1544	5545	5546	5547	5550	0017	----	----	1111	+ - * / 0
013722	+1550	5551	0031	5553	5554	0017	----	----	1111	( Y \$ = 0
013723	+1554	5555	5556	5557	5563	0017	----	----	1111	, . 0
013724	+1560	5561	5562	0100	5567	4017	1---	----	1111	A 50
013725	+1564	0027	0026	0110	5570	7017	111-	----	1111	W VAH 0
013726	+1570	5665	5572	5573	5574	2017	-1--	----	1111	, PO
013727	+1574	5575	5576	5577	5600	0017	----	----	1111	, 0
013730	+1600	5601	5602	5603	5604	0017	----	----	1111	,A,B,C,D 0
013731	+1604	5605	5606	5607	5610	0017	----	----	1111	,E,F,G,H 0
013732	+1610	5611	5612	5613	5614	0017	----	----	1111	,I,J,K,L 0
013733	+1614	5615	5616	5617	5620	0017	----	----	1111	,M,N,O,P 0
013734	+1620	5621	5622	5623	5624	0017	----	----	1111	,Q,R,S,T 0
013735	+1624	5625	0220	5627	5630	1017	--1-	----	1111	,UBP,W,XHQ
013736	+1630	5631	5632	5633	5634	0017	----	----	1111	,Y,Z,0,1 0
013737	+1634	5635	5636	5637	5640	0017	----	----	1111	,2,3,4,5 0
013740	+1640	5641	5642	5643	5644	0017	----	----	1111	,6,7,8,9 0
013741	+1644	5645	5646	5647	5650	0017	----	----	1111	,+,-,*,/ 0
013742	+1650	5651	5652	5653	5654	0017	----	----	1111	,(\$),\$,= 0
013743	+1654	5655	5656	5657	5660	0017	----	----	1111	, , , , , 0
013744	+1660	5661	5662	0220	0111	0417	---1	----	1111	, , BPAID0
013745	+1664	0252	5702	5667	5670	5017	1-1-	----	1111	B).B, , /0
013746	+1670	5671	5672	0023	5674	0417	---1	----	1111	, , S, DD
013747	+1674	0241	0155	5677	5700	3017	-11-	----	1111	B6A , . XO

013750	+1700	5701	0101	5711	0003	0417	----	1111	.AAA.I CDD
013751	+1704	0122	0227	0071	0117	7417	1111	----	1111 ARBW AO 0
013752	+1710	0002	6067	5713	5714	5017	1-1-	----	1111 B .K.L/O
013753	+1714	5715	5716	5717	5720	0017	----	1111	.M.N.O.P 0
013754	+1720	5721	5722	5723	5724	0017	----	1111	.O.R.S.T 0
013755	+1724	5725	5726	5727	5730	0017	----	1111	.U.V.W.X 0
013756	+1730	5731	5733	3777	5734	0017	----	1111	.Y.O4 .1 0
013757	+1734	5735	5736	5737	6746	0017	----	1111	.2.3.4 - 0
013760	+1740	5741	5742	5743	5744	4017	1----	1111	.6.7.8.950
013761	+1744	5745	5747	3777	5750	0017	----	1111	.+.*4 ./ 0
013762	+1750	5751	5753	3777	5754	0017	----	1111	.f.s4 . = 0
013763	+1754	0243	0160	0101	0201	3417	-111	----	1111 88A AABA10
013764	+1760	5761	0312	5763	5764	5017	1-1-	----	1111 . C.J. . /0
013765	+1764	5765	5766	5767	5770	0017	----	1111	. . . . 0
013766	+1770	5771	5772	5773	5774	0017	----	1111	. . . . 0
013767	+1774	5775	5776	5777	6000	0017	----	1111	. . . . 0
013770	+2000	6001	6002	6003	6004	0017	----	1111	A B C D 0
013771	+2004	6005	6006	6007	6010	0017	----	1111	E F G H 0
013772	+2010	6011	6012	6013	6014	0017	----	1111	I J K L 0
013773	+2014	6015	6016	6017	6020	0017	----	1111	M N O P 0
013774	+2020	6021	6022	6023	6024	0017	----	1111	Q R S T 0
013775	+2024	6025	6026	0230	6030	0417	----1	----	1111 U VBX XDD
013776	+2030	6031	6032	6033	6034	0017	----	1111	Y Z 0 1 0
013777	+2034	6035	6036	6037	6040	0017	----	1111	2 3 4 5 0
014000	+2040	6041	6042	6043	6044	0017	----	1111	6 7 8 9 0
014001	+2044	6045	6046	6047	6050	0017	----	1111	+ - * / 0
014002	+2050	6051	6052	6053	6054	0017	----	1111	( ) \$ = 0
014003	+2054	6055	6056	6057	6060	0017	----	1111	, . 0
014004	+2060	6061	6062	6063	6064	0017	----	1111	0
014005	+2064	0035	0210	0152	6156	3017	-11-	----	1111 2BHA) ,XO
014006	+2070	6071	6072	6073	6074	4017	1----	1111	50
014007	+2074	6075	6076	6077	6100	0017	----	1111	0
014010	+2100	6101	6102	6103	6104	0017	----	1111	A B C D 0
014011	+2104	6105	6106	6107	0170	0017	----	1111	E F GA 0
014012	+2110	0005	0004	6113	0271	7017	111-	----	1111 E D KB 0
014013	+2114	0012	0021	0014	0113	7417	1111	----	1111 J Q LAK 0
014014	+2120	0005	0004	6123	0030	7017	111-	----	1111 E D S X 0
014015	+2124	0252	6126	6127	6130	6017	11--	----	1111 8) V W X 0
014016	+2130	6131	6132	0057	0336	0417	----1	----	1111 Y Z .C300
014017	+2134	0333	6136	6137	0307	6017	11--	----	1111 CO 3 4CG 0
014020	+2140	0040	0062	0272	0270	7417	1111	----	1111 5 B B 0
014021	+2144	0061	6146	0032	0232	6417	11-1	----	1111 - ZBZ 0
014022	+2150	0232	0061	0255	0062	7417	1111	----	1111 BZ B 0
014023	+2154	0261	0253	6157	6213	6017	11--	----	1111 B B\$ . K 0
014024	+2160	0030	6162	0241	0243	6417	11-1	----	1111 X B6B8 0
014025	+2164	6165	6166	6167	6170	4017	1----	1111	50
014026	+2170	0243	6172	6173	0010	2017	-1--	----	1111 88 HPU
014027	+2174	4604	6576	6177	0245	5017	1-1-	----	1111 -D B+/0
014030	+2200	6201	0256	6203	0141	5017	1-1-	----	1111 AB, CA6/0
014031	+2204	6205	0257	6207	0137	5017	1-1-	----	1111 EB. GA4/0
014032	+2210	0063	6212	0067	6214	6017	11--	----	1111 J L 0
014033	+2214	6230	6216	0206	6220	2417	-1-1	----	1111 X NBF PTO
014034	+2220	0261	0026	0001	0046	3417	-111	----	1111 B V A -10
014035	+2224	6225	0257	0104	0112	5417	1-11	----	1111 UB.ADAJ-0
014036	+2230	6231	6241	6233	0131	1017	--1-	----	1111 Y 6 0AYHO
014037	+2234	0142	3777	0200	0147	5417	1-11	----	1111 A74 B A#-0
014040	+2240	0146	6242	6243	6557	4017	1----	1111	A- 7 8 .50

RA = MST,6,7,11,12,13,14.  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH. EXPRESS 11

DSDI - V2.0 79/10/30. 10.59.49. PAGE 7  
NUS 1-8J03T/R2B. NUS 1.4 STUDY DUMP - MASS STORAGE

014041	+2244	6245	6246	6247	6250	4017	1----	-----	1111	+ - * /50
014042	+2250	6251	6252	6253	6254	0017	-----	-----	1111	( ) \$ = 0
014043	+2254	6255	6256	6257	6260	0017	-----	-----	1111	, . 0
014044	+2260	6261	6262	6263	6264	0017	-----	-----	1111	0
014045	+2264	6265	6266	6267	6270	0017	-----	-----	1111	0
014046	+2270	6272	3777	6273	6274	0017	-----	-----	1111	4 0
014047	+2274	6275	6276	6277	6300	0017	-----	-----	1111	0
014050	+2300	6301	6302	6303	6304	0017	-----	-----	1111	A B C D 0
014051	+2304	6305	6306	6307	6310	0017	-----	-----	1111	E F G H 0
014052	+2310	6311	6312	6313	6314	0017	-----	-----	1111	I J K L 0
014053	+2314	6315	6316	6317	6320	0017	-----	-----	1111	M N O P 0
014054	+2320	6321	6322	6323	6324	0017	-----	-----	1111	Q R S T 0
014055	+2324	6325	6326	6327	6330	0017	-----	-----	1111	U V W X 0
014056	+2330	6331	6332	6333	6334	0017	-----	-----	1111	Y Z 0 1 0
014057	+2334	6335	6336	6337	6340	0017	-----	-----	1111	2 3 4 5 0
014060	+2340	6341	6342	6343	6344	0017	-----	-----	1111	6 7 8 9 0
014061	+2344	6345	6346	6347	6350	0017	-----	-----	1111	+ - * / 0
014062	+2350	6351	6352	6353	6354	0017	-----	-----	1111	( ) \$ = 0
014063	+2354	6355	6356	6357	6360	0017	-----	-----	1111	, . 0
014064	+2360	6361	6362	6363	6364	0017	-----	-----	1111	0
014065	+2364	6365	6366	6367	6370	0017	-----	-----	1111	0
014066	+2370	6371	6372	6373	6374	0017	-----	-----	1111	0
014067	+2374	6375	6376	6377	6400	0017	-----	-----	1111	0
014070	+2400	6401	6402	6403	6404	0017	-----	-----	1111	A B C D 0
014071	+2404	6405	6406	6407	6410	0017	-----	-----	1111	E F G H 0
014072	+2410	6411	6412	6413	6414	0017	-----	-----	1111	I J K L 0
014073	+2414	6415	6416	6417	6420	0017	-----	-----	1111	M N O P 0
014074	+2420	6421	6422	6423	6424	0017	-----	-----	1111	Q R S T 0
014075	+2424	6425	6426	6427	6430	0017	-----	-----	1111	U V W X 0
014076	+2430	6431	6432	6433	6434	0017	-----	-----	1111	Y Z 0 1 0
014077	+2434	6435	6436	6437	6440	0017	-----	-----	1111	2 3 4 5 0
014100	+2440	6441	6442	6443	6444	0017	-----	-----	1111	6 7 8 9 0
014101	+2444	6445	6446	6447	6450	0017	-----	-----	1111	+ - * / 0
014102	+2450	6451	6452	6453	6454	0017	-----	-----	1111	( ) \$ = 0
014103	+2454	6455	6456	6457	6460	0017	-----	-----	1111	, . 0
014104	+2460	6461	6462	6463	6464	0017	-----	-----	1111	0
014105	+2464	6465	6466	6467	6470	0017	-----	-----	1111	0
014106	+2470	6471	6472	6473	6474	0017	-----	-----	1111	0
014107	+2474	6475	6476	6477	6500	0017	-----	-----	1111	0
014110	+2500	6501	6502	6503	6504	0017	-----	-----	1111	A B C D 0
014111	+2504	6505	6506	6507	6510	0017	-----	-----	1111	E F G H 0
014112	+2510	6511	6512	6513	6514	0017	-----	-----	1111	I J K L 0
014113	+2514	6515	0000	6517	0153	1017	--1-	-----	1111	M OASHO
014114	+2520	0074	0003	0065	0030	7417	1111	-----	1111	C X 0
014115	+2524	0004	6526	0113	0157	6417	11-1	-----	1111	D VAKA. 0
014116	+2530	0103	3777	6533	6534	5017	1-1-	-----	1111	AC4 0 1/0
014117	+2534	6535	6536	0172	6540	0417	----1	-----	1111	2 3A 500
014120	+2540	0074	0213	0044	0122	3417	-111	-----	1111	BK 9AR10
014121	+2544	0066	6546	0267	6550	6417	11-1	-----	1111	-B / 0
014122	+2550	0237	6552	6553	0137	2017	-1--	-----	1111	B4 ) \$A4PO
014123	+2554	0236	6556	0040	4615	6017	11--	-----	1111	B3 , 5-M 0
014124	+2560	6561	6562	6563	6564	4017	1----	-----	1111	50
014125	+2564	6565	6566	6567	6570	0017	-----	-----	1111	0
014126	+2570	0172	0235	0213	0232	3417	-111	-----	1111	A B2BKAZ10
014127	+2574	0126	0052	6602	0031	6417	11-1	-----	1111	AV ) B Y 0
014130	+2600	6601	0071	0046	0031	4417	1--1	-----	1111	A - Y90
014131	+2604	0273	6606	6607	6610	6017	11--	-----	1111	B F G H 0

014132	+2610	6611	6612	6613	6614	0017	----	----	1111	I J K L O
014133	+2614	6615	6616	6617	6620	0017	----	----	1111	M N O P O
014134	+2620	0046	6622	6623	6624	2017	-1--	----	1111	- R S TPO
014135	+2624	6625	6626	6627	6630	0017	----	----	1111	U V W X O
014136	+2630	6631	6632	6633	6634	0017	----	----	1111	Y Z O 1 O
014137	+2634	6635	0074	0265	0007	0417	----	----	1111	2 8 GDO
014140	+2640	0020	6642	6643	6644	4017	1---	----	1111	P 7 8 950
014141	+2644	6645	6646	6647	6650	0017	----	----	1111	+ - # / O
014142	+2650	6653	3777	3777	6654	0017	----	----	1111	\$4 4 = O
014143	+2654	6655	6656	6657	6660	0017	----	----	1111	, . O
014144	+2660	6661	6662	6663	6664	0017	----	----	1111	O
014145	+2664	6665	6666	6667	6670	0017	----	----	1111	O
014146	+2670	6671	6672	6673	6674	0017	----	----	1111	O
014147	+2674	6675	6676	6677	6700	0017	----	----	1111	O
014150	+2700	6701	6702	6703	6704	0017	----	----	1111	A B C D O
014151	+2704	6705	6706	6707	6710	0017	----	----	1111	E F G H O
014152	+2710	6711	6712	6713	6714	0017	----	----	1111	I J K L O
014153	+2714	6715	6716	6717	6720	0017	----	----	1111	M N O P O
014154	+2720	6721	6722	6723	6724	0017	----	----	1111	Q R S T O
014155	+2724	6725	6726	6727	6730	0017	----	----	1111	U V W X O
014156	+2730	6731	6732	6733	6734	0017	----	----	1111	Y Z O 1 O
014157	+2734	6735	6736	6737	6740	0017	----	----	1111	2 3 4 5 O
014160	+2740	6741	6742	0320	0110	0417	----	----	1111	6 7CPAHO
014161	+2744	6747	6751	0003	6750	6017	11--	----	1111	* I C / O
014162	+2750	0231	0277	0000	0000	0014	----	----	11--	BYB L
014163	+2754	0000	0000	0000	0000	0000	----	----	----	

014204	+3060	0000	3777	0000	0000	0004	----	----	-1--	4	D
014205	+3064	0000	0000	0000	0000	0000	----	----	----		
014210	+3100	0000	0000	3777	0000	0002	----	----	--1-	4	B
014211	+3104	0000	0000	0000	0000	0000	----	----	----		
014217	+3134	0000	3777	0000	0000	0004	----	----	-1--	4	D

EQUIPMENT 07 - MASS STORAGE TABLE

NUMBER OF TRACKS	TOGL 014220 3140	Y5 FX5+	ALLOCATION FLAGS	DILL 014233 0000	TR	A
RESERVED	0000		CH 2 ACCESS 7154 FLAG	24		
LENGTH OF TRT	0630		CH 1 ACCESS 7154 FLAG	22		
FIRST AVAIL TRACK PTR	4045		CH 4 ACCESS 7154 FLAG	00		
NUM AVAILABLE TRACKS	0067		CH 3 ACCESS 7154 FLAG	00		
FLAGS / INTERLOCK	ACGL 014221 0000	F, A	BIT 21 IS MAINTENANCE MODE	0		
DA ECS CHAIN FIRST TRACK	0000		MEMORY TYPE - 3 BIT VALUE	0		
DIRECT ACCESS FILE CNT	0656		CPU TYPE - 3 BIT VALUE	0		
FIRST TRACK IQFT	0000		PP PATH TYPE - 3 BIT VALUE	0		
REDEFINITION STATUSES	01		RESERVED	00		
PF UTILITY INTERLOCK	00		ALGORITHM INDEX	01		
ECS ADDRESS MST/TRT	SDGL 014222 00000000		DAYFILE TRACK	DULL 014234 0000		
ECS UPDATE COUNT	0000000000		ACCOUNT FILE TRACK	0000		
MACHINE MASK INTERLOCK	00		ERRLOG TRACK	0000		
FIRST TRACK IAPF	ALGL 014223 4042	575 58 5	SYSTEM TABLE TRACK	0000		
LABEL TRACK	4000		FAMILY IDLE STATUS	0		
FIRST TRACK PERMITS	4043		FAMILY ACTIVITY COUNT	000		
NUMBER CATALOG TRACKS	0040		LOCAL STATUS FLAGS	STLL 014235 0004		D 62 B Q
FIRST TRACK DAT	0000		RESERVED	00		
FAMILY OR PACK NAME	PFGL 014224 16172303142310	NUSCLSH6 B	ERROR STATUS	00		

DEVICE NUMBER 41  
 RESERVED 00  
 REL UNIT MULTIUNIT DEV 0  
 NUM UNIT MULTIUNIT DEV 2  
 USER NUM PRIVATE PACK PUGL 014225 00000000000000 55H  
 DEVICE MASKS 404010  
 FLAGS AND DAT INDEX MDGL 014226 1000 H 64DI EA  
 FT-HT FLAG \*/\* SECTOR LIMIT 4153  
 DRIVER NAME 0411  
 0 RESERVED FOR PPR USE 0000  
 SECTOR LIMIT 0501  
 RESERVED R1GL 014227 00000000000000000000  
 GLOBAL INSTAL AREA ISGL 014230 00000000000000000000  
 I2GL 014231 0000000000000000000000  
 ACTIVITY COUNT DALL 014232 0001 AH 4  
 UNIT INTERLOCKS 1000  
 CURRENT POSITION 6137  
 NEXT BEST POSITION 7777  
 RESERVED 0000

MACHINE ID 4135  
 CURRENT USER COUNT DAF 0002  
 NEXT EQUIPMENT 00  
 ORIGINAL NUMBER UNITS 2  
 LOCAL STATUS 1  
 REDEF IN PROG/NULL EQ DDLL 014236 0 8 91T  
 RESERVED 0  
 NUMBER PHYSICAL UNITS - 1 02  
 EQUIPMENT UNIT LIST 0000000000443424  
 LOCAL INSTAL AREA ISLL 014237 00000000000000000000

TRACK RESERVATION TABLE

014240 +0000	4001	4002	4003	4004	4017	1---	----	1111	5A5B5C5D50
014241 +0004	4005	4006	4007	4010	0017	----	----	1111	5E5F5G5H 0
014242 +0010	4011	4012	4013	4014	0017	----	----	1111	5I5J5K5L 0
014243 +0014	4015	4016	4017	4020	0017	----	----	1111	5M5N5O5P 0
014244 +0020	4021	4022	4023	4024	0017	----	----	1111	5Q5R5S5T 0
014245 +0024	4025	4026	4027	4030	0017	----	----	1111	5U5V5W5X 0
014246 +0030	4031	4032	4033	4034	0017	----	----	1111	5Y5Z5051 0
014247 +0034	4035	4036	4037	4040	0017	----	----	1111	52535455 0
014250 +0040	4041	0000	4350	0231	1417	--11	----	1111	56 8/BYLO
014251 +0044	0452	0054	0454	4050	7417	1111	----	1111	01 =D=5/ 0
014252 +0050	4051	4052	0413	0102	0417	----1	----	1111	5(5)DKABD0
014253 +0054	4055	4056	4057	4316	4017	1---	----	1111	5 5,5.8N50
014254 +0060	4230	0373	0144	4064	3417	-111	----	1111	7XC A95 10
014255 +0064	4065	4066	4067	4070	0017	----	----	1111	5 5 5 5 0
014256 +0070	4071	4072	4073	4074	0017	----	----	1111	5 5 5 5 0
014257 +0074	4075	4076	4077	4100	0017	----	----	1111	5 5 5 6 0
014260 +0100	4101	4102	4103	4104	0017	----	----	1111	6A6B6C6D 0
014261 +0104	4105	4106	4107	4110	0017	----	----	1111	6E6F6G6H 0
014262 +0110	4111	4112	4113	4114	0017	----	----	1111	6I6J6K6L 0
014263 +0114	4115	4116	4117	4120	0017	----	----	1111	6M6N6O6P 0
014264 +0120	4121	4122	4123	4124	0017	----	----	1111	6Q6R6S6T 0
014265 +0124	4125	4126	4127	4130	0017	----	----	1111	6U6V6W6X 0
014266 +0130	4131	4132	4133	4134	0017	----	----	1111	6Y6Z6061 0
014267 +0134	4135	4136	4137	4140	0017	----	----	1111	62636465 0
014270 +0140	4141	4142	4143	4144	0017	----	----	1111	66676869 0
014271 +0144	4145	4146	0021	4150	0017	----	----	1111	6+6- 06/ 0
014272 +0150	4314	4060	4154	4152	2417	-1-1	----	1111	8L5 6=6)T0
014273 +0154	4155	0146	0142	0030	1417	--11	----	1111	6 A-A7 XLO
014274 +0160	0160	0013	0021	0013	3417	-111	----	1111	A K Q K10
014275 +0164	0022	4172	0013	0022	5417	1-11	----	1111	R6 K R=0
014276 +0170	0141	0412	4173	4175	6017	11--	----	1111	A6DJ6 6 0
014277 +0174	0142	4176	4177	4200	4017	1---	----	1111	A76 6 7 50
014300 +0200	4201	4202	4203	4204	0017	----	----	1111	7A7B7C7D 0
014301 +0204	4205	4206	4207	4210	0017	----	----	1111	7E7F7G7H 0
014302 +0210	4211	4212	4213	4214	0017	----	----	1111	7I7J7K7L 0

014303	+0214	4215	4216	4217	4220	0017	----	----	1111	7M7N707P	0
014304	+0220	4221	4222	4223	4224	0017	----	----	1111	7Q7R7S7T	0
014305	+0224	4254	0000	0015	0000	1012	--1-	----	1-1-	7=	M HJ
014306	+0230	4231	4317	0000	0000	0014	----	----	11--	7Y80	L
014307	+0234	0000	0000	4347	4240	1403	--11	----	--11	8*75LC	
014310	+0240	4241	4242	4243	4244	0017	----	----	1111	76777879	0
014311	+0244	4245	4246	4247	4250	0017	----	----	1111	7+7-7+7/	0
014312	+0250	4251	0323	4165	4256	1017	--1-	----	1111	71CS6 7,H0	
014313	+0254	4255	4257	4262	4260	0017	----	----	1111	7 7.7 7	0
014314	+0260	4261	4263	4266	4264	0017	----	----	1111	7 7 7 7	0
014315	+0264	4265	4267	4270	4271	0017	----	----	1111	7 7 7 7	0
014316	+0270	4273	4272	4274	0217	0017	----	----	1111	7 7 7 80	0
014317	+0274	4275	4276	4277	4300	0017	----	----	1111	7 7 7 8	0
014320	+0300	4301	4302	4303	4304	0017	----	----	1111	8A888C8D	0
014321	+0304	4305	4306	4307	4310	0017	----	----	1111	8E8F8G8H	0
014322	+0310	4311	4312	4313	0363	0017	----	----	1111	8I8J8K	0
014323	+0314	4315	0245	0441	4320	0017	----	----	1111	8M8+068P	0
014324	+0320	4321	4322	4323	4324	0017	----	----	1111	8Q8R8S8T	0
014325	+0324	4325	4326	4327	4330	0017	----	----	1111	8U8V8W8X	0
014326	+0330	4331	4332	4333	4334	0017	----	----	1111	8Y8Z8081	0
014327	+0334	4340	0000	0001	0136	1413	--11	----	1-11	85	AA3LK
014330	+0340	4341	4343	4147	4344	1017	--1-	----	1111	868886+89H0	
014331	+0344	4673	0000	0040	6500	1013	--1-	----	1-11	-	5 HK
014332	+0350	4351	4352	4353	4435	0017	----	----	1111	8(8)8+92	0
014333	+0354	4355	4356	4357	4360	4017	1---	----	1111	8 8,8.8 50	
014334	+0360	4361	4362	4363	4364	0017	----	----	1111	8 8 8 8	0
014335	+0364	4365	4366	4367	4370	0017	----	----	1111	8 8 8 8	0
014336	+0370	4371	4372	4373	4374	0017	----	----	1111	8 8 8 8	0
014337	+0374	4375	0330	4377	4400	1017	--1-	----	1111	8 CX8 9 H0	
014340	+0400	0217	4402	4403	0430	2017	-1--	----	1111	809B9C0XPO	
014341	+0404	4405	4406	4407	4410	4017	1---	----	1111	9E9F9G9H50	
014342	+0410	0045	4412	4413	4414	2017	-1--	----	1111	+9J9K9LPO	
014343	+0414	0213	0256	4417	0340	3017	-11-	----	1111	8KB,90C5X0	
014344	+0420	0002	0171	4423	0457	7017	111-	----	1111	8A 95D. 0	
014345	+0424	4425	0454	0104	0010	5417	1-11	----	1111	9UD=AD H=0	
014346	+0430	0002	0001	0003	0302	7417	1111	----	1111	8 A CCB 0	
014347	+0434	0152	4460	0037	4440	5417	1-11	----	1111	A19 495=0	
014350	+0440	4441	0211	0110	0002	1417	--11	----	1111	96BIAH BLO	
014351	+0444	0417	0257	4447	4450	7017	111-	----	1111	D0B.9*9/ 0	
014352	+0450	0465	0140	0452	0043	3417	-111	----	1111	D A5D) 810	
014353	+0454	0105	0024	6477	0302	6417	11-1	----	1111	AE T CB 0	
014354	+0460	4463	0014	0036	4522	3017	-11-	----	1111	9 L 3+RX0	
014355	+0464	0443	0062	5637	0063	7417	1111	----	1111	D8 ,4 0	
014356	+0470	0410	0000	4473	0420	5013	1-1-	----	1-11	DH 9 DP/K	
014357	+0474	4475	4476	0106	0000	4016	1---	----	111-	9 9 AF 5N	
014360	+0500	0000	0000	0000	4504	0401	----	----	----	+DDA	
014361	+0504	4505	4506	4507	4510	0017	----	----	1111	+E+F+G+H 0	
014362	+0510	4511	4512	4513	4514	0017	----	----	1111	+I+J+K+L 0	
014363	+0514	4515	0255	0247	0230	1417	--11	----	1111	+MB 8+BXLO	
014364	+0520	4521	0072	4545	4524	4417	1---	----	1111	+Q +++T90	
014365	+0524	0075	0024	0141	0023	3417	-111	----	1111	TA6 510	
014366	+0530	0044	0117	0021	0104	7417	1111	----	1111	9AD QAD 0	
014367	+0534	0103	0054	0035	0143	7417	1111	----	1111	AC = 2A8 0	
014370	+0540	0120	0021	0022	0015	7417	1111	----	1111	AP Q R M 0	
014371	+0544	0012	4640	0102	4550	5417	1-11	----	1111	J-5AB +/-0	
014372	+0550	0261	0446	0004	4554	3417	-111	----	1111	8 D- D+=10	
014373	+0554	0265	0066	4557	0451	3017	-11-	----	1111	8 +.D(X0	



RA = MST,6,7,11,12,13,14. EXPRESS 11  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

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NOS 1-8J03T/R28. NOS 1.4 STUDY DUMP - MASS STORAGE

014374	+0560	0036	0003	4563	0047	7017	111-	----	1111	3 C+ # 0
014375	+0564	0070	0030	0027	0143	7417	1111	----	1111	X WAB 0
014376	+0570	0207	0040	0057	0130	7417	1111	----	1111	BG 5 .AX 0
014377	+0574	3777	0153	3777	0415	2417	-1-1	----	1111	4 A\$4 DMT0
014400	+0600	3777	0057	3777	0070	2417	-1-1	----	1111	4 .4 TO
014401	+0604	0064	0044	0040	0111	7417	1111	----	1111	9 5AI 0
014402	+0610	0064	4612	0055	0134	6417	11-1	----	1111	-J AI 0
014403	+0614	0050	0207	0046	0054	7417	1111	----	1111	/BG - = 0
014404	+0620	0053	0066	0102	0014	7417	1111	----	1111	\$ AB L 0
014405	+0624	4625	0031	4627	0262	5017	1-1-	----	1111	-U Y-WB /0
014406	+0630	4631	4632	4633	4634	4017	1----	----	1111	-Y-Z-O-150
014407	+0634	4635	4636	0435	0100	0417	----1	----	1111	-2-3D2A 00
014410	+0640	4661	0002	0043	0025	3417	-111	----	1111	- B 8 U10
014411	+0644	0344	0061	0204	0005	7417	1111	----	1111	C9 8D E 0
014412	+0650	0204	0014	0005	0057	7417	1111	----	1111	BD L E . 0
014413	+0654	0073	0030	0026	0053	7417	1111	----	1111	X V \$ 0
014414	+0660	0004	4662	4675	0123	4417	1--1	----	1111	D- - AS90
014415	+0664	0113	0126	0207	4670	7417	1111	----	1111	AKAVBG- 0
014416	+0670	4671	4672	0123	5333	0017	-----	----	1111	- - AS\$0 0
014417	+0674	0353	5104	0002	0002	5417	1-11	----	1111	C\$1D B B=0
014420	+0700	0002	0002	0002	0001	7417	1111	----	1111	B 8 B A 0
014421	+0704	4705	0041	0013	4710	5417	1-11	----	1111	*E 6 K+H=0
014422	+0710	0004	0067	0072	0036	3417	-111	----	1111	0 310
014423	+0714	0103	0045	0217	0036	7417	1111	----	1111	AC +8D 3 0
014424	+0720	0034	0007	0046	0065	7417	1111	----	1111	1 G - 0
014425	+0724	0052	4726	0040	0420	6417	11-1	----	1111	J*V 5DP 0
014426	+0730	4731	0317	0236	0016	5417	1-11	----	1111	*YCOB3 N=0
014427	+0734	0056	0150	0001	0062	7417	1111	----	1111	,A/ A 0
014430	+0740	0044	0036	0037	0023	7417	1111	----	1111	9 3 4 S 0
014431	+0744	0336	0073	0046	4750	7417	1111	----	1111	C3 -*/ 0
014432	+0750	0200	0405	4753	0026	3017	-11-	----	1111	B DE+\$ VX0
014433	+0754	0175	0035	0113	0104	7417	1111	----	1111	A 2AKAD 0
014434	+0760	4761	0035	4763	4764	5017	1-1-	----	1111	* 2* * /0
014435	+0764	4765	4766	4767	4770	0017	-----	----	1111	* * * * 0
014436	+0770	4771	0345	0240	0047	1417	--11	----	1111	* C+B5 *L0
014437	+0774	0056	0202	0273	0254	7417	1111	----	1111	,888 B= 0
014440	+1000	0231	0132	0177	5004	7417	1111	----	1111	BYAZA /D 0
014441	+1004	0316	0210	0103	5010	3417	-111	----	1111	CNBHAC/H10
014442	+1010	0245	5012	0267	0211	2417	-1-1	----	1111	B+/JB BIT0
014443	+1014	5015	5016	0024	0366	4417	1--1	----	1111	/M/N TC 90
014444	+1020	0071	0106	0075	5024	7417	1111	----	1111	AF /T 0
014445	+1024	5025	5026	5027	0460	0017	-----	----	1111	/U/V/WD 0
014446	+1030	0106	5032	5033	5034	6017	11--	----	1111	AF/Z/O/1 0
014447	+1034	5035	0233	0125	0136	1417	--11	----	1111	/280AUA3L0
014450	+1040	5041	0156	0137	5044	5417	1-11	----	1111	/6A,A4/9=0
014451	+1044	0264	0114	0200	5050	3417	-111	----	1111	B ALB //10
014452	+1050	0245	0472	0025	0007	3417	-111	----	1111	B+D U G10
014453	+1054	0312	0164	0273	5060	7417	1111	----	1111	CJA B / 0
014454	+1060	5061	0321	0323	5064	1417	--11	----	1111	/ CQCS/ LO
014455	+1064	0240	0013	0024	0013	3417	-111	----	1111	B5 K T K10
014456	+1070	0022	0013	0022	0013	7417	1111	----	1111	R K R K 0
014457	+1074	0021	0013	0022	0023	7417	1111	----	1111	Q K R S 0
014460	+1100	0115	5102	0040	0167	6417	11-1	----	1111	AM1B 5A 0
014461	+1104	5121	0321	0305	0126	3417	-111	----	1111	(QCQCEAV10
014462	+1110	0101	0117	0243	0021	7417	1111	----	1111	AAA088 Q 0
014463	+1114	0230	5116	0232	0327	6417	11-1	----	1111	BX(NBZCW 0
014464	+1120	0015	5131	0361	0246	5417	1-11	----	1111	M1YC B--0

014465	+1124	0002	5126	5127	5130	6017	11--	----	1111	B(V(WIX U
014466	+1130	0167	5200	0222	0033	1417	--11	----	1111	A ) BR OLO
014467	+1134	0164	5136	0106	0100	6417	11-1	----	1111	A (3AFA O
014470	+1140	0004	0056	5143	0046	7017	111-	----	1111	D , (8 - O
014471	+1144	5145	5146	0040	5150	4417	1--1	----	1111	(+(- 5(790
014472	+1150	5151	5152	0040	5154	0417	----	----	1111	(( ( 5(-DO
014473	+1154	5155	5156	0022	0054	0417	----	----	1111	( ( , R =DU
014474	+1160	0047	0134	0121	0072	7417	1111	----	1111	*A1AQ O
014475	+1164	0075	0034	0072	0253	7417	1111	----	1111	1 B & O
014476	+1170	0006	0074	0054	0070	7417	1111	----	1111	F = O
014477	+1174	0024	0054	0056	0103	7417	1111	----	1111	T = ,AC O
014500	+1200	5242	5202	0465	0174	2417	-1-1	----	1111	17)BD A TO
014501	+1204	5205	5206	0020	0102	4417	1--1	----	1111	1E)F PAB90
014502	+1210	0373	5212	5213	0040	6017	11--	----	1111	C )JJK 5 O
014503	+1214	5215	0046	5217	5220	5017	1-1-	----	1111	1M -10)P/O
014504	+1220	5221	0010	0056	0351	1417	--11	----	1111	1Q H ,C(LO
014505	+1224	0434	0417	5227	5230	7017	111-	----	1111	01D0)W)X O
014506	+1230	5231	0471	5233	5234	1017	--1-	----	1111	1YD 10)1MO
014507	+1234	5235	0040	0210	0223	1417	--11	----	1111	12 5B)BSLO
014510	+1240	0334	0136	5266	5244	6417	11-1	----	1111	C1A3) 19 O
014511	+1244	5245	5246	5247	5250	0017	----	----	1111	)+-)*)/ O
014512	+1250	5251	0414	5253	0071	1017	--1-	----	1111	1(DL)S HO
014513	+1254	5255	0252	5257	5260	5017	1-1-	----	1111	) B) .) /O
014514	+1260	5261	5262	5263	5264	0017	----	----	1111	) ) ) ) O
014515	+1264	0112	0015	5312	0060	2417	-1-1	----	1111	AJ M&J TO
014516	+1270	0124	0205	0175	5274	7417	1111	----	1111	ATBEA ) O
014517	+1274	5275	0237	5277	5300	1017	--1-	----	1111	) B4) \$ HO
014520	+1300	5301	6476	5303	5304	1017	--1-	----	1111	\$A \$C\$DHO
014521	+1304	5305	5306	5307	5310	0017	----	----	1111	\$E\$F\$G\$H O
014522	+1310	0043	0261	5752	5314	2417	-1-1	----	1111	8B .) \$LTO
014523	+1314	5315	5316	5317	5320	0017	----	----	1111	\$M\$N\$O\$P O
014524	+1320	5321	5322	5323	5324	0017	----	----	1111	\$Q\$R\$S\$T O
014525	+1324	5325	5326	5327	5330	0017	----	----	1111	\$U\$V\$W\$X O
014526	+1330	5331	0060	0263	5366	1017	--1-	----	1111	\$Y B \$ HO
014527	+1334	0000	0000	0000	0000	0000	----	----	----	

014534	+1360	0000	0000	0000	4160	0001	----	----	----	6 A
014535	+1364	0000	6135	5367	5370	0007	----	----	-111	2\$ \$ G
014536	+1370	5371	5372	5373	5374	0017	----	----	1111	\$ \$ \$ \$ O
014537	+1374	5534	5470	0156	5421	2417	-1-1	----	1111	1 = A, -QTO
014540	+1400	5401	5402	5403	5404	4017	1---	----	1111	=A=B=C=D50
014541	+1404	5405	5406	5407	5410	0017	----	----	1111	=E=F=G=H O
014542	+1410	5411	5412	5413	5414	0017	----	----	1111	=I=J=K=L O
014543	+1414	0431	0112	5417	5420	3017	-11-	----	1111	DYAJ-O=PXO
014544	+1420	0160	5422	5423	5424	0017	----	----	1111	A =R=S=T O
014545	+1424	5425	5426	5427	5430	0017	----	----	1111	=U=V=W=X O
014546	+1430	5431	5432	5433	5434	0017	----	----	1111	=Y=Z=0=1 O
014547	+1434	5435	5436	5437	5440	0017	----	----	1111	=2=3=4=5 O
014550	+1440	5441	5442	5443	5444	0017	----	----	1111	=6=7=8=9 O
014551	+1444	5445	5446	5447	5450	0017	----	----	1111	=+---+\$/ O
014552	+1450	0226	0452	5453	0174	3017	-11-	----	1111	BVDI)=\$A XO
014553	+1454	5455	5456	5457	5460	4017	1---	----	1111	= , =, = 50
014554	+1460	5461	5462	5463	5464	0017	----	----	1111	= = = = O
014555	+1464	5465	0114	0227	0423	1417	--11	----	1111	= ALBWD5LO
014556	+1470	5471	5472	5473	5527	0017	----	----	1111	= = = W O
014557	+1474	5475	5476	5477	5500	4017	1---	----	1111	= = = 50
014560	+1500	5501	5502	0310	0166	0417	----	----	1111	A BCHA DO

014561	+1504	0347	0063	5507	5510	7017	111-	----	1111	C*	G H O
014562	+1510	5511	5512	5513	5514	0017	----	----	1111	I J K L O	
014563	+1514	0460	0040	0013	5520	3417	-111	----	1111	D 5 K P10	
014564	+1520	5521	5522	5523	5524	0017	----	----	1111	Q R S T O	
014565	+1524	5525	5526	0027	5531	0017	----	----	1111	U V W Y O	
014566	+1530	0137	5532	5533	5546	4017	1----	----	1111	A4 Z O -50	
014567	+1534	5535	5536	5537	5540	0017	----	----	1111	2 3 4 5 O	
014570	+1540	5541	5542	5543	5544	0017	----	----	1111	6 7 8 9 O	
014571	+1544	5545	5636	5547	5550	0017	----	----	1111	+ , 3 * / O	
014572	+1550	5553	0005	0055	5624	3017	-11-	----	1111	\$ E ,TXO	
014573	+1554	5555	5556	5557	5560	4017	1----	----	1111	, . 50	
014574	+1560	5561	5562	5563	5564	0017	----	----	1111	O	
014575	+1564	5565	6353	0072	0124	1417	--11	----	1111	\$ ATLO	
014576	+1570	0143	0322	5573	5574	7017	111-	----	1111	A8CR O	
014577	+1574	5575	5576	5577	5600	0017	----	----	1111	, O	
014600	+1600	5601	5602	5603	5604	0017	----	----	1111	,A,B,C,D O	
014601	+1604	5605	5606	0265	5610	0417	----1	----	1111	,E,FB ,HDO	
014602	+1610	5611	5612	5613	5614	0017	----	----	1111	,I,J,K,L O	
014603	+1614	5615	5616	5617	5620	0017	----	----	1111	,M,N,O,P O	
014604	+1620	5621	5622	0012	0004	0417	----1	----	1111	,Q,R J DDO	
014605	+1624	5625	5626	5627	5630	0017	----	----	1111	,U,V,W,X O	
014606	+1630	5631	5632	5633	5634	0017	----	----	1111	,Y,Z,O,1 O	
014607	+1634	5635	0000	6532	5640	0017	----	----	1111	,2 Z,5 O	
014610	+1640	5641	5642	5643	5644	0017	----	----	1111	,6,7,8,9 O	
014611	+1644	5645	5646	5647	5650	0017	----	----	1111	,+,-,* / O	
014612	+1650	5651	5652	5653	5654	0017	----	----	1111	,(,),\$,= O	
014613	+1654	5655	5656	5657	5660	0017	----	----	1111	, , , , , O	
014614	+1660	5661	5662	5663	5664	0017	----	----	1111	, , , , O	
014615	+1664	5665	5666	5667	5670	0017	----	----	1111	, , , , O	
014616	+1670	5671	5672	5673	5674	0017	----	----	1111	, , , , O	
014617	+1674	5675	5676	5677	5700	0017	----	----	1111	, , , . O	
014620	+1700	5701	6125	5746	5704	1417	--11	----	1111	.A U.-.DLO	
014621	+1704	5705	5706	5707	5710	0017	----	----	1111	.E.F.G.H O	
014622	+1710	5711	5712	5713	5714	0017	----	----	1111	.I.J.K.L O	
014623	+1714	5715	5716	5717	5720	0017	----	----	1111	.M.N.O.P U	
014624	+1720	5721	5722	5723	5724	0017	----	----	1111	.Q.R.S.T O	
014625	+1724	5725	5726	5727	5730	0017	----	----	1111	.U.V.W.X O	
014626	+1730	5731	5732	5733	5734	0017	----	----	1111	.Y.Z.O.1 O	
014627	+1734	5735	5736	5737	5740	0017	----	----	1111	.2.3.4.5 O	
014630	+1740	5741	5742	5743	5744	0017	----	----	1111	.6.7.8.9 O	
014631	+1744	5745	0500	6016	5750	0417	----1	----	1111	.+E N./DO	
014632	+1750	5751	0145	6312	5754	0417	----1	----	1111	.(A+ J.=DO	
014633	+1754	5755	0103	5757	5760	1017	--1-	----	1111	. AC... HO	
014634	+1760	5761	5762	5763	5764	0017	----	----	1111	. . . . O	
014635	+1764	5765	5766	5767	5770	0017	----	----	1111	. . . . O	
014636	+1770	5771	5772	5773	5774	0017	----	----	1111	. . . . O	
014637	+1774	5775	5776	5777	6000	0017	----	----	1111	. . . . O	
014640	+2000	6001	6002	6003	6004	0017	----	----	1111	A B C D O	
014641	+2004	6005	6006	6007	6010	0017	----	----	1111	E F G H U	
014642	+2010	6011	6012	6013	6014	0017	----	----	1111	I J K L O	
014643	+2014	6015	0332	6121	6020	0417	----1	----	1111	MCZ Q PDO	
014644	+2020	6021	0234	6023	6024	1017	--1-	----	1111	QB1 S THO	
014645	+2024	6025	6026	6027	6030	0017	----	----	1111	U V W X O	
014646	+2030	6031	6032	6033	6034	0017	----	----	1111	Y Z O 1 O	
014647	+2034	6035	6036	6037	6040	0017	----	----	1111	2 3 4 5 O	
014650	+2040	6041	6042	6043	6044	0017	----	----	1111	6 7 8 9 O	
014651	+2044	6045	6046	6047	6050	0017	----	----	1111	+ - * / O	

014652 +2050 6051 6052 0224 6054 0417 ----1 ---- 1111 ( )BT =DO  
 014653 +2054 6055 6056 6057 6060 0017 ---- ---- 1111 , . 0  
 014654 +2060 6061 6062 6063 6064 0017 ---- ---- 1111 0  
 014655 +2064 6065 6066 6067 6070 0017 ---- ---- 1111 0  
 014656 +2070 6071 6072 6073 6074 0017 ---- ---- 1111 0  
 014657 +2074 6075 6076 6077 6100 0017 ---- ---- 1111 0  
 014660 +2100 6101 6102 6103 6104 0017 ---- ---- 1111 A B C D O  
 014661 +2104 6105 6106 6107 6110 0017 ---- ---- 1111 E F G H O  
 014662 +2110 6111 6112 6113 6114 0017 ---- ---- 1111 I J K L O  
 014663 +2114 6115 6116 6117 0364 0017 ---- ---- 1111 M N O C O  
 014664 +2120 0165 6122 6123 6124 4017 1---- ---- 1111 A R S T50  
 014665 +2124 5365 6126 6127 6130 0017 ---- ---- 1111 \$ V W X O  
 014666 +2130 6131 6132 6133 6134 0017 ---- ---- 1111 Y Z O 1 O  
 014667 +2134 0164 0076 0000 6140 0415 ----1 ---- 11-1 A 5DM  
 014670 +2140 6141 6142 6143 6144 0017 ---- ---- 1111 6 7 8 9 O  
 014671 +2144 6145 6146 6147 6150 0017 ---- ---- 1111 + - \* / O  
 014672 +2150 6151 6152 6153 6154 0017 ---- ---- 1111 ( ) \$ = O  
 014673 +2154 6155 6156 6157 6160 0017 ---- ---- 1111 , . 0  
 014674 +2160 6161 6162 6163 6164 0017 ---- ---- 1111 0  
 014675 +2164 6165 6166 6167 6170 0017 ---- ---- 1111 0  
 014676 +2170 6171 6172 6173 6174 0017 ---- ---- 1111 0  
 014677 +2174 6175 6176 6177 6200 0017 ---- ---- 1111 0  
 014700 +2200 6201 6202 6203 0266 0017 ---- ---- 1111 A B C B O  
 014701 +2204 0000 0000 0000 0000 0000 ---- ---- ----

014703 +2214 0117 0176 6217 6220 7017 111- ---- 1111 ADA O P O  
 014704 +2220 6221 6222 6223 6224 0017 ---- ---- 1111 Q R S T O  
 014705 +2224 6225 6226 6227 6230 0017 ---- ---- 1111 U V W X O  
 014706 +2230 6231 6232 6233 6234 0017 ---- ---- 1111 Y Z O 1 O  
 014707 +2234 6235 6236 6237 6240 0017 ---- ---- 1111 2 3 4 5 O  
 014710 +2240 6241 6242 6243 6244 0017 ---- ---- 1111 6 7 8 9 O  
 014711 +2244 6245 6246 6247 6250 0017 ---- ---- 1111 + - \* / O  
 014712 +2250 6251 6252 6253 6254 0017 ---- ---- 1111 ( ) \$ = O  
 014713 +2254 6255 6256 6257 6260 0017 ---- ---- 1111 , . 0  
 014714 +2260 6261 6262 6263 6264 0017 ---- ---- 1111 0  
 014715 +2264 6265 6266 6267 6270 0017 ---- ---- 1111 0  
 014716 +2270 6271 6272 6273 6274 0017 ---- ---- 1111 0  
 014717 +2274 6275 6276 6277 6300 0017 ---- ---- 1111 0  
 014720 +2300 6301 6302 6303 6304 0017 ---- ---- 1111 A B C D O  
 014721 +2304 6305 6306 6307 6310 0017 ---- ---- 1111 E F G H U  
 014722 +2310 0100 0363 6342 0025 2417 -1-1 ---- 1111 A C 7 UTO  
 014723 +2314 6315 6316 6317 6320 4017 1---- ---- 1111 M N O P50  
 014724 +2320 6321 6322 6323 6324 0017 ---- ---- 1111 Q R S T O  
 014725 +2324 6325 6326 6327 6330 0017 ---- ---- 1111 U V W X O  
 014726 +2330 6331 6332 6333 6334 0017 ---- ---- 1111 Y Z O 1 O  
 014727 +2334 6335 6336 6337 6340 0017 ---- ---- 1111 2 3 4 5 O  
 014730 +2340 6341 0274 6343 6346 0017 ---- ---- 1111 6B 8 - O  
 014731 +2344 0044 0045 6361 0120 6417 11-1 ---- 1111 9 + AP O  
 014732 +2350 0000 0000 0000 0064 0001 ---- ---- ---1 A  
 014733 +2354 0367 0152 6357 6360 7017 111- ---- 1111 C A) . O  
 014734 +2360 0006 6375 6363 0240 1017 --1- ---- 1111 F 85HO  
 014735 +2364 0036 0037 0035 0030 7417 1111 ---- 1111 3 4 2 X O  
 014736 +2370 0012 0022 0050 0050 7417 1111 ---- 1111 J R / / O  
 014737 +2374 0004 6443 0202 0123 5417 1-11 ---- 1111 D 8UBBAS=O  
 014740 +2400 0150 0445 6403 0111 7017 111- ---- 1111 A/D+ CAI O  
 014741 +2404 6405 0022 6407 0047 5017 1-1- ---- 1111 E R G \* / O  
 014742 +2410 6411 0140 0115 0301 5417 1-11 ---- 1111 IA5AMCA=O

RA = MST,6,7,11,12,13,14. EXPRESS 11  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

DSDI - V2.0 79/10/30. 10.59.50. PAGE 15  
NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

014743	+2414	6415	0306	6417	0456	5017	1-1-	----	1111	MCF	OD, /O
014744	+2420	0500	6422	0076	0175	6417	11-1	----	1111	E R A O	
014745	+2424	6425	0367	6427	0022	5017	1-1-	----	1111	UC W R/O	
014746	+2430	6431	0205	0147	6434	5417	1-11	----	1111	YBEA* 1=0	
014747	+2434	0204	0266	0205	0154	3417	-111	----	1111	BDB BEA=10	
014750	+2440	0306	0276	0366	4456	7017	111-	----	1111	CFB C 9, O	
014751	+2444	0006	0003	6447	6450	7017	111-	----	1111	F C * / O	
014752	+2450	6451	6452	6453	6454	0017	----	----	1111	( ) \$ = 0	
014753	+2454	6455	6456	6457	6460	0017	----	----	1111	, . O	
014754	+2460	6461	6462	6463	6464	0017	----	----	1111	O	
014755	+2464	6465	6466	6467	6470	0017	----	----	1111	O	
014756	+2470	6471	6472	6473	6474	0017	----	----	1111	O	
014757	+2474	6475	0024	0105	5363	0017	----	----	1111	TAE \$ O	
014760	+2500	6501	6502	6503	6504	0017	----	----	1111	A B C D O	
014761	+2504	6505	6506	6507	6510	0017	----	----	1111	E F G H O	
014762	+2510	6511	6512	6513	6514	0017	----	----	1111	I J K L O	
014763	+2514	6515	6516	6517	6520	0017	----	----	1111	M N O P O	
014764	+2520	6521	6522	6523	6524	0017	----	----	1111	Q R S T O	
014765	+2524	6525	6526	6527	6530	0017	----	----	1111	U V W X O	
014766	+2530	6531	6556	6533	6534	0017	----	----	1111	Y , O 1 O	
014767	+2534	6535	6536	6537	0433	0017	----	----	1111	2 3 400 O	
014770	+2540	6541	0156	0141	0001	5417	1-11	----	1111	6A, A6 A=0	
014771	+2544	0301	6546	6550	0136	6417	11-1	----	1111	CA - /A3 O	
014772	+2550	6551	6552	6553	6554	0017	----	----	1111	( ) \$ = 0	
014773	+2554	6555	6557	6624	6560	0017	----	----	1111	. T O	
014774	+2560	6561	6562	6563	6564	0017	----	----	1111	O	
014775	+2564	6565	6566	6567	6570	0017	----	----	1111	O	
014776	+2570	6571	6572	6573	6574	0017	----	----	1111	O	
014777	+2574	6575	6576	6577	6600	0017	----	----	1111	O	
015000	+2600	6601	6602	6603	6604	0017	----	----	1111	A B C D O	
015001	+2604	6605	6606	6607	6610	0017	----	----	1111	E F G H O	
015002	+2610	6611	6612	6613	0404	0017	----	----	1111	I J K O D O	
015003	+2614	0000	0000	3777	0000	0002	----	----	--1-	4 B	
015004	+2620	0000	0000	0000	5376	0401	----1	----	----	\$ DA	
015005	+2624	6625	6626	6627	6630	0017	----	----	1111	U V W X O	
015006	+2630	6631	6632	6633	6634	0017	----	----	1111	Y Z O 1 O	
015007	+2634	6635	6636	6637	6640	0017	----	----	1111	2 3 4 5 O	
015010	+2640	6641	6642	6643	6644	0017	----	----	1111	6 7 8 9 O	
015011	+2644	6645	6646	6647	6650	0017	----	----	1111	+ - * / O	
015012	+2650	6651	6652	6653	6654	0017	----	----	1111	( ) \$ = 0	
015013	+2654	6655	6656	6657	6660	0017	----	----	1111	, . O	
015014	+2660	6661	6662	6663	6664	0017	----	----	1111	O	
015015	+2664	6665	6666	6667	6670	0017	----	----	1111	O	
015016	+2670	6671	6672	6673	6674	0017	----	----	1111	O	
015017	+2674	6675	6676	6677	6700	0017	----	----	1111	O	
015020	+2700	6701	6702	6703	6704	0017	----	----	1111	A B C D O	
015021	+2704	6705	6706	6707	6710	0017	----	----	1111	E F G H O	
015022	+2710	6711	6712	6713	6714	0017	----	----	1111	I J K L O	
015023	+2714	6715	6716	6717	6720	0017	----	----	1111	M N O P O	
015024	+2720	6721	6722	6723	6724	0017	----	----	1111	Q R S T O	
015025	+2724	6725	6726	6727	6730	0017	----	----	1111	U V W X O	
015026	+2730	6731	6732	6733	6734	0017	----	----	1111	Y Z O 1 O	
015027	+2734	6735	6736	6737	6740	0017	----	----	1111	2 3 4 5 O	
015030	+2740	6741	6742	6743	6744	0017	----	----	1111	6 7 8 9 O	
015031	+2744	6745	6746	6747	6750	0017	----	----	1111	+ - * / O	
015032	+2750	6751	6752	6753	6754	0017	----	----	1111	( ) \$ = 0	
015033	+2754	6755	6756	6757	6760	0017	----	----	1111	, . O	

015034	+2760	6761	6762	6763	6764	0017	----	----	1111		0
015035	+2764	6765	6766	6767	6770	0017	----	----	1111		0
015036	+2770	6771	6772	6773	6774	0017	----	----	1111		0
015037	+2774	6775	6776	6777	7000	0017	----	----	1111		0
015040	+3000	7001	7002	7003	7004	0017	----	----	1111	A B C D	0
015041	+3004	7005	7006	7007	7010	0017	----	----	1111	E F G H	0
015042	+3010	7011	7012	7013	7014	0017	----	----	1111	I J K L	0
015043	+3014	7015	7016	7017	7021	0017	----	----	1111	M N O Q	0
015044	+3020	7022	7023	7024	0017	----	----	----	1111	R S T	0
015045	+3024	7025	7026	7027	7030	0017	----	----	1111	U V W X	0
015046	+3030	7031	7032	7033	7034	0017	----	----	1111	Y Z 0 1	0
015047	+3034	7035	7036	7037	7040	0017	----	----	1111	2 3 4 5	0
015050	+3040	7041	7042	7043	7044	0017	----	----	1111	6 7 8 9	0
015051	+3044	7045	7046	7047	7050	0017	----	----	1111	+ - * /	0
015052	+3050	7051	7052	7053	7054	0017	----	----	1111	( ) \$ =	0
015053	+3054	7055	7056	7057	7060	0017	----	----	1111	, .	0
015054	+3060	7061	7062	7063	7064	0017	----	----	1111		0
015055	+3064	7065	7066	7067	7070	0017	----	----	1111		0
015056	+3070	7071	7072	7073	7074	0017	----	----	1111		0
015057	+3074	7075	7076	7077	7100	0017	----	----	1111		0
015060	+3100	7101	7102	7103	7104	0017	----	----	1111	A B C D	0
015061	+3104	7105	7106	7107	7110	0017	----	----	1111	E F G H	0
015062	+3110	7111	7112	7113	7114	0017	----	----	1111	I J K L	0
015063	+3114	7115	7116	7117	7120	0017	----	----	1111	M N O P	0
015064	+3120	7121	7122	7123	7124	0017	----	----	1111	Q R S T	0
015065	+3124	7125	7126	7127	7130	0017	----	----	1111	U V W X	0
015066	+3130	7131	7132	7133	7134	0017	----	----	1111	Y Z 0 1	0
015067	+3134	7135	7136	7137	4253	0017	----	----	1111	2 3 4 7 8	0

EQUIPMENT 11 - MASS STORAGE TABLE

NUMBER OF TRACKS	TDGL 015070 3150		Y/ FZ5=0D	ALLOCATION FLAGS	DILL 015103 0000	TS	B
RESERVED	0000			CH 2 ACCESS 7154 FLAG	24		
LENGTH OF TRT	0632			CH 1 ACCESS 7154 FLAG	23		
FIRST AVAIL TRACK PTR	4054			CH 4 ACCESS 7154 FLAG	00		
NUM AVAILABLE TRACKS	1704			CH 3 ACCESS 7154 FLAG	00		
FLAGS / INTERLOCK	ACGL 015071 0000		AK A	BIT 21 IS MAINTENANCE MODE	0		
DA ECS CHAIN FIRST TRACK	0000			MEMORY TYPE - 3 BIT VALUE	0		
DIRECT ACCESS FILE CNT	0113			CPU TYPE - 3 BIT VALUE	0		
FIRST TRACK IQFT	0000			PP PATH TYPE - 3 BIT VALUE	0		
REDEFINITION STATUSES	01			RESERVED	00		
PF UTILITY INTERLOCK	00			ALGORITHM INDEX	02		
ECS ADDRESS MST/TRT	SOGL 015072 00000000			DAYFILE TRACK	DULL 015104 0000		
ECS UPDATE COUNT	0000000000			ACCOUNT FILE TRACK	0000		
MACHINE MASK INTERLOCK	00			ERRLOG TRACK	0000		
FIRST TRACK IAFP	ALGL 015073 4022		5R5 5S P	SYSTEM TABLE TRACK	0000		
LABEL TRACK	4000			FAMILY IDLE STATUS	0		
FIRST TRACK PERMITS	4023			FAMILY ACTIVITY COUNT	000		
NUMBER CATALOG TRACKS	0020			LOCAL STATUS FLAGS	STLL 015105 0000	62	A
FIRST TRACK DAT	0000			RESERVED	00		
FAMILY OR PACK NAME	PFGL 015074 24232407051600		TSTGEN	ERKOR STATUS	00		
DEVICE NUMBER	00			MACHINE ID	4135		
RESERVED	00			CURRENT USER COUNT DAF	0000		
REL UNIT MULTIUNIT DEV	0			NEXT EQUIPMENT	00		
NUM UNIT MULTIUNIT DEV	0			ORIGINAL NUMBER UNITS	0		
USER NUM PRIVATE PACK	PUGL 015075 00000000000000			LOCAL STATUS	1		
DEVICE MASKS	577777			REDEF IN PROG/NULL EQ	DDLL 015106 0		B

FLAGS AND DAT INDEX MDGL 015076 7000 88DI C8  
 FT-HT FLAG +/- SECTOR LIMIT 4343  
 DRIVER NAME 0411  
 O RESERVED FOR PPR USE 0000  
 SECTOR LIMIT 0343  
 RESERVED R1GL 015077 00000000000000000000  
 GLOBAL INSTAL AREA ISGL 015100 00000000000000000000  
 I2GL 015101 0000000000000000000000  
 DALL 015102 0000 5  
 UNIT INTERLOCKS 0000  
 CURRENT POSITION 4000  
 NEXT BEST POSITION 7777  
 RESERVED 0000

RESERVED 0  
 NUMBER PHYSICAL UNITS - 1 00  
 EQUIPMENT UNIT LIST 00000000000000000000  
 LOCAL INSTAL AREA ISLL 015107 00000000000000000000

TRACK RESERVATION TABLE

015110	+0000	4001	4002	4003	4004	4017	1---	----	1111	5A5B5C5D5O
015111	+0004	4005	4006	4007	4010	0017	----	----	1111	5E5F5G5H 0
015112	+0010	4011	4012	4013	4014	0017	----	----	1111	5I5J5K5L 0
015113	+0014	4015	4016	4017	4020	0017	----	----	1111	5M5N5O5P 0
015114	+0020	4021	0000	4371	0076	1417	--11	----	1111	5Q 8 LO
015115	+0024	0102	4026	4027	4030	6017	11--	----	1111	AB5V5W5X 0
015116	+0030	4031	4032	4033	4034	0017	----	----	1111	5Y5Z5051 0
015117	+0034	4035	0110	0015	0027	1417	--11	----	1111	52AH M WLO
015120	+0040	0015	0020	0041	0006	7417	1111	----	1111	M P 6 F 0
015121	+0044	0034	4060	4230	4050	7417	1111	----	1111	15 7X5/ 0
015122	+0050	4051	4052	4053	4054	0017	----	----	1111	5(5)5(5)- 0
015123	+0054	0130	0152	4063	0256	3417	-111	----	1111	AXA)5 B,10
015124	+0060	0017	0001	6431	4064	2017	-1--	----	1111	0 A Y5 PO
015125	+0064	4065	4066	4067	4070	0017	----	----	1111	5 5 5 5 0
015126	+0070	4071	4072	4073	4074	0017	----	----	1111	5 5 5 5 0
015127	+0074	4075	4076	4077	4100	0017	----	----	1111	5 5 5 6 0
015130	+0100	4101	4102	4103	4104	0017	----	----	1111	6A6B6C6D 0
015131	+0104	4105	4106	4107	4110	0017	----	----	1111	6E6F6G6H 0
015132	+0110	4111	4112	4113	4114	0017	----	----	1111	6I6J6K6L 0
015133	+0114	4115	4116	4117	4120	0017	----	----	1111	6M6N6O6P 0
015134	+0120	4121	4122	4123	4124	0017	----	----	1111	6Q6R6S6T 0
015135	+0124	4125	4126	4127	4130	0017	----	----	1111	6U6V6W6X 0
015136	+0130	4131	4132	4133	4134	0017	----	----	1111	6Y6Z6061 0
015137	+0134	4135	4136	0011	4140	0417	----1	----	1111	6263 165D0
015140	+0140	4141	4142	4143	4144	0017	----	----	1111	66676869 0
015141	+0144	4145	4146	4147	4150	0017	----	----	1111	6+6-6+6/ 0
015142	+0150	4151	4152	4153	4154	0017	----	----	1111	6(6)6(6)- 0
015143	+0154	4155	4156	4157	4160	0017	----	----	1111	6 6.6.6 0
015144	+0160	4161	4162	4164	3777	0017	----	----	1111	6 6 6 4 0
015145	+0164	4165	4166	4167	4170	0017	----	----	1111	6 6 6 6 0
015146	+0170	4171	4172	4173	4174	0017	----	----	1111	6 6 6 6 0
015147	+0174	4175	4176	4177	4200	0017	----	----	1111	6 6 6 7 0
015150	+0200	4201	4202	4203	4204	0017	----	----	1111	7A7B7C7D 0
015151	+0204	4205	4206	4207	4211	0017	----	----	1111	7E7F7G7I 0
015152	+0210	5362	4212	4213	5113	0017	----	----	1111	7 J7K7L 0
015153	+0214	0167	4216	4221	4227	2417	-1-1	----	1111	A 7N7Q7W7O
015154	+0220	4214	4222	4223	4224	4017	1---	----	1111	7L7R7S7T5O
015155	+0224	4225	4226	0072	4231	0017	----	----	1111	7U7V 7Y 0
015156	+0230	4232	4235	4233	4234	0017	----	----	1111	7Z727071 0
015157	+0234	0034	0132	4247	4240	1417	--11	----	1111	1A27*75LO
015160	+0240	4241	4242	4243	4244	0017	----	----	1111	76777879 0

015161 +0244 4245 4246 0076 4250 0017 ---- ---- 1111 7+7- 7/ 0  
015162 +0250 4251 4252 4253 4254 0017 ---- ---- 1111 7(7)7+7= 0  
015163 +0254 4255 4256 0243 4260 0017 ---- ---- 1111 7 7,887 0  
015164 +0260 4261 4262 0255 0015 0417 ----1 ---- 1111 7 7 B MDD  
015165 +0264 0000 5302 4267 4270 1007 --1- ---- -111 887 7 HC  
015166 +0270 4272 3777 0130 3777 0017 ---- ---- 1111 7 4 AX4 0  
015167 +0274 3777 3777 0001 4300 1417 --11 ---- 1111 4 4 AB LO  
015170 +0300 4301 4302 0120 0001 0417 ----1 ---- 1111 8AB8AP ADD  
015171 +0304 0001 4306 4307 4310 6017 11-- ---- 1111 ABF8G8H 0  
015172 +0310 4311 4312 4313 4314 0017 ---- ---- 1111 818J8K8L 0  
015173 +0314 4315 0336 4320 3777 1017 --1- ---- 1111 8MC38P4 HO  
015174 +0320 4322 3777 4323 4324 0017 ---- ---- 1111 8R4 8S8T 0  
015175 +0324 4325 0130 4327 4330 1017 --1- ---- 1111 8UAX8W8XHO  
015176 +0330 4331 4332 4333 4334 0017 ---- ---- 1111 8Y8Z8081 0  
015177 +0334 4335 4336 4337 4340 0017 ---- ---- 1111 82838485 0  
015200 +0340 4341 0336 4343 4344 1017 --1- ---- 1111 86C38889HO  
015201 +0344 4345 4346 4347 0153 0017 ---- ---- 1111 8+8-8+A8 0  
015202 +0350 4351 4352 4353 0112 4017 1---- ---- 1111 8(8)88AJ50  
015203 +0354 4355 4356 4357 4360 4017 1---- ---- 1111 8 8,8.8 50  
015204 +0360 4361 4362 4363 4364 0017 ---- ---- 1111 8 8 8 8 0  
015205 +0364 4365 4366 4367 0325 0017 ---- ---- 1111 8 8 8 CU 0  
015206 +0370 0003 4372 4373 4374 4017 1---- ---- 1111 C8 8 8 50  
015207 +0374 4375 4376 4377 4403 0017 ---- ---- 1111 8 8 8 9C 0  
015210 +0400 4401 0023 0000 4404 4015 1---- ---- 11-1 9A S 9D5M  
015211 +0404 4405 4406 4444 4410 0417 ----1 ---- 1111 9E9F999HDD  
015212 +0410 4411 4412 4413 4414 0017 ---- ---- 1111 9I9J9K9L 0  
015213 +0414 4415 0151 0000 0000 0014 ---- ---- 11-- 9MA( L  
015214 +0420 4257 0000 0000 0000 0010 ---- ---- 1--- 7. H  
015215 +0424 0000 0000 0000 0000 0000 ---- ---- ----

015217 +0434 0001 4436 4437 4440 6017 11-- ---- 1111 A939495 0  
015220 +0440 4441 4442 4443 0151 0017 ---- ---- 1111 969798A( 0  
015221 +0444 4636 0000 0000 0000 0010 ---- ---- 1--- -3 H  
015222 +0450 0000 0000 4453 4454 1003 --1- ---- --11 989=HC  
015223 +0454 4455 0262 0002 4460 1417 --11 ---- 1111 9 8 89 LO  
015224 +0460 4461 4462 4463 4464 0017 ---- ---- 1111 9 9 9 9 0  
015225 +0464 4465 4466 4467 4470 0017 ---- ---- 1111 9 9 9 9 0  
015226 +0470 4471 4472 4473 4474 0017 ---- ---- 1111 9 9 9 9 0  
015227 +0474 4475 4476 4477 4500 0017 ---- ---- 1111 9 9 9 + 0  
015230 +0500 4501 4502 4503 4504 0017 ---- ---- 1111 +A+B+C+D 0  
015231 +0504 4505 4506 4507 4510 0017 ---- ---- 1111 +E+F+G+H 0  
015232 +0510 4511 4512 4513 4514 0017 ---- ---- 1111 +I+J+K+L 0  
015233 +0514 4515 4516 4517 4520 0017 ---- ---- 1111 +M+N+O+P 0  
015234 +0520 4521 4522 4523 4524 0017 ---- ---- 1111 +Q+R+S+T 0  
015235 +0524 4525 4526 4527 4530 0017 ---- ---- 1111 +U+V+W+X 0  
015236 +0530 4531 4532 4533 4534 0017 ---- ---- 1111 +Y+Z+0+1 0  
015237 +0534 4535 4536 4537 4540 0017 ---- ---- 1111 +2+3+4+5 0  
015240 +0540 4541 4542 4543 4544 0017 ---- ---- 1111 +6+7+8+9 0  
015241 +0544 4545 4546 4547 4550 0017 ---- ---- 1111 +++-+++/ 0  
015242 +0550 4551 4552 4553 4554 0017 ---- ---- 1111 +(+)++\*- 0  
015243 +0554 4555 4556 4557 4560 0017 ---- ---- 1111 + +,+.+ 0  
015244 +0560 4561 4562 4563 4564 0017 ---- ---- 1111 + + + + 0  
015245 +0564 4565 4566 4567 4570 0017 ---- ---- 1111 + + + + 0  
015246 +0570 4571 4572 4573 4574 0017 ---- ---- 1111 + + + + 0  
015247 +0574 4575 4576 4577 4600 0017 ---- ---- 1111 + + + - 0  
015250 +0600 4601 4602 4603 4604 0017 ---- ---- 1111 -A-B-C-U 0  
015251 +0604 4605 4606 4607 4610 0017 ---- ---- 1111 -E-F-G-H 0



015252 +0610 4611 4612 4613 4614 0017 ---- ---- 1111 -I-J-K-L O  
015253 +0614 4615 4616 4617 4620 0017 ---- ---- 1111 -M-N-O-P O  
015254 +0620 4621 4622 4623 4624 0017 ---- ---- 1111 -Q-R-S-T O  
015255 +0624 4625 4626 4627 4630 0017 ---- ---- 1111 -U-V-W-X O  
015256 +0630 4631 4632 4633 4634 0017 ---- ---- 1111 -Y-Z-0-1 O  
015257 +0634 4635 0150 4734 4640 0417 ----1 ---- 1111 -2A/\*1-500  
015260 +0640 0160 4642 4643 4644 2017 -1-- ---- 1111 A -7-8-9PO  
015261 +0644 4645 4646 4647 4650 0017 ---- ---- 1111 -+---+-/ O  
015262 +0650 4651 4652 4653 4654 0017 ---- ---- 1111 -(-)-\$-# O  
015263 +0654 4655 4656 4657 4660 0017 ---- ---- 1111 - -, - , - O  
015264 +0660 0024 4662 4663 4664 2017 -1-- ---- 1111 T- - - - PO  
015265 +0664 4665 4666 4667 4670 0017 ---- ---- 1111 - - - - O  
015266 +0670 4671 4672 4673 4674 0017 ---- ---- 1111 - - - - O  
015267 +0674 4675 0167 4677 4700 1017 --1- ---- 1111 - A - \* HO  
015270 +0700 4701 4702 4703 4704 0017 ---- ---- 1111 \*A\*B\*C\*O U  
015271 +0704 4705 4706 4707 4710 0017 ---- ---- 1111 \*E\*F\*G\*H O  
015272 +0710 4711 4712 0061 4714 0417 ----1 ---- 1111 \*I\*J \*LDO  
015273 +0714 4715 4716 4717 4720 0017 ---- ---- 1111 \*M\*N\*O\*P O  
015274 +0720 4721 4722 4723 4724 0017 ---- ---- 1111 \*Q\*R\*S\*T O  
015275 +0724 4725 4726 4727 4730 0017 ---- ---- 1111 \*U\*V\*W\*X O  
015276 +0730 4731 4732 4733 0100 0017 ---- ---- 1111 \*Y\*Z\*0A O  
015277 +0734 5026 4736 4737 4740 2017 -1-- ---- 1111 /V\*3\*4\*5PO  
015300 +0740 4741 4742 0032 4744 0417 --1- ---- 1111 \*6\*7 Z\*900  
015301 +0744 4745 4746 4747 4750 0017 ---- ---- 1111 \*+\*-+\*/ O  
015302 +0750 4751 4752 4753 4754 0017 ---- ---- 1111 \*(\*)\*\$\*- O  
015303 +0754 4755 4756 4757 4760 0017 ---- ---- 1111 \* \*, \*, \* O  
015304 +0760 4761 4762 4763 4764 0017 ---- ---- 1111 \* \* \* \* O  
015305 +0764 4765 4766 4767 4770 0017 ---- ---- 1111 \* \* \* \* O  
015306 +0770 4771 4772 4773 4774 0017 ---- ---- 1111 \* \* \* \* O  
015307 +0774 4775 4776 4777 5000 0017 ---- ---- 1111 \* \* \* / O  
015310 +1000 5001 5002 5003 5004 0017 ---- ---- 1111 /A/B/C/D O  
015311 +1004 5005 5006 5007 5010 0017 ---- ---- 1111 /E/F/G/H O  
015312 +1010 5011 0227 5013 5014 1017 --1- ---- 1111 /IBW/K/LHO  
015313 +1014 0273 0000 0000 0000 0010 ---- ---- 1---- B H  
015314 +1020 0000 0000 0000 0000 0000 ---- ---- ----  
015315 +1024 0000 0000 5271 0012 0403 ----1 ---- --11 ) JDC  
015316 +1030 5031 5032 0270 5034 4417 1--1 ---- 1111 /Y/Z0 /190  
015317 +1034 5035 5036 5037 5040 0017 ---- ---- 1111 /2/3/4/5 O  
015320 +1040 5041 5042 5043 5044 0017 ---- ---- 1111 /6/7/8/9 O  
015321 +1044 5045 5046 5047 5050 0017 ---- ---- 1111 /+/-/\*// O  
015322 +1050 5051 5052 5053 5054 0017 ---- ---- 1111 /(////=- O  
015323 +1054 5055 5056 5057 5060 0017 ---- ---- 1111 / / , / / O  
015324 +1060 5061 5062 5063 5064 0017 ---- ---- 1111 / / / / O  
015325 +1064 5065 5066 5067 5070 0017 ---- ---- 1111 / / / / O  
015326 +1070 5071 5072 5073 5074 0017 ---- ---- 1111 / / / / O  
015327 +1074 5075 5076 5077 5100 0017 ---- ---- 1111 / / / ( O  
015330 +1100 5101 5102 5103 5104 0017 ---- ---- 1111 (A(B(C(D O  
015331 +1104 5105 5106 5107 5110 0017 ---- ---- 1111 (E(F(G(H O  
015332 +1110 0265 0000 0000 5114 0011 ---- ---- 1--1 B (L I  
015333 +1114 0011 0041 5117 5120 3017 -11- ---- 1111 I 610(PXO  
015334 +1120 5121 5122 5123 5124 0017 ---- ---- 1111 (O(R(S(T O  
015335 +1124 5125 0137 5127 5130 1017 --1- ---- 1111 (U(A\*(W(XHO  
015336 +1130 5131 5132 5133 0032 0017 ---- ---- 1111 (Y(Z(O Z O  
015337 +1134 5135 5136 0332 0043 4417 1--1 ---- 1111 (2(C(CZ 890  
015340 +1140 5141 5142 0043 5144 4417 1--1 ---- 1111 (6(7 8(990  
015341 +1144 5145 0335 5147 5150 1017 --1- ---- 1111 (+C2(+(/HO  
015342 +1150 0054 5152 5153 5154 2017 -1-- ---- 1111 -(())(=-PO

015343	+1154	5155	5156	5157	5160	0017	----	----	1111	( ( ( ( ( O	
015344	+1160	5161	5162	0224	5164	0417	----	1	----	1111	( ( BT( DO
015345	+1164	5165	5166	5167	5170	0017	----	----	1111	( ( ( ( O	
015346	+1170	5171	5172	5173	5174	0017	----	----	1111	( ( ( ( O	
015347	+1174	5175	5176	5177	5200	0017	----	----	1111	( ( ( ) O	
015350	+1200	5201	5202	5203	5204	0017	----	----	1111	)A)B)C)D O	
015351	+1204	5206	3777	0255	5210	0417	----	1	----	1111	)F4 B )HDO
015352	+1210	5211	0301	5213	5214	1017	----	1	----	1111	)I)A)K)L)H O
015353	+1214	5216	5217	5220	5223	0017	----	----	1111	)N)O)P)S O	
015354	+1220	5221	5222	5224	5225	0017	----	----	1111	)Q)R)T)U O	
015355	+1224	5226	5230	5227	5231	0017	----	----	1111	)V)X)W)Y O	
015356	+1230	5233	5232	5275	5303	0017	----	----	1111	)O)Z) )C O	
015357	+1234	0303	4265	0000	5240	4415	1--1	----	11-1	CC7 159M	
015360	+1240	5241	5242	0113	0240	0417	----	1	----	1111	)G)I)AK)B)5)D O
015361	+1244	0115	0000	0000	0000	4010	1----	----	1----	AM 5H	
015362	+1250	0000	0000	0000	0000	0000	----	----	----		
015363	+1254	0000	0000	0103	5260	1403	--11	----	--11	AC) LC	
015364	+1260	5261	5262	5263	5264	0017	----	----	1111	) ) ) ) O	
015365	+1264	5265	5266	5267	5270	0017	----	----	1111	) ) ) ) O	
015366	+1270	0001	5272	5273	5277	0017	----	----	1111	A) ) ) O	
015367	+1274	5215	5276	5304	5235	4017	1----	----	1111	)M) )D)250	
015370	+1300	0000	0000	4210	5307	0003	----	----	--11	7H)G C	
015371	+1304	5305	5306	5310	0227	0017	----	----	1111	)E)F)H)B)W O	
015372	+1310	0012	0000	0000	0000	0010	----	----	1----	J H	
015373	+1314	0000	0000	0000	0000	0000	----	----	----		
-----											
015404	+1360	0000	0000	4062	0000	0002	----	----	--1-	5 B	
015405	+1364	0000	0000	0000	0000	0000	----	----	----		
-----											
015514	+2020	0000	0000	3777	0000	0002	----	----	--1-	4 B	
015515	+2024	0000	0000	0000	0000	0000	----	----	----		
-----											
015520	+2040	0000	0000	3777	0000	0002	----	----	--1-	4 B	
015521	+2044	0000	0000	0000	0000	0000	----	----	----		
-----											
015552	+2210	0000	0000	3777	0000	0002	----	----	--1-	4 B	
015553	+2214	3777	0000	0000	0000	0010	----	----	1----	4 H	
015554	+2220	0000	0000	0000	0000	0000	----	----	----		
-----											
015616	+2430	0000	4420	0000	0000	0004	----	----	-1--	9P D	
015617	+2434	0000	0000	0000	0000	0000	----	----	----		

EQUIPMENT 12 - MASS STORAGE TABLE

NUMBER OF TRACKS	TDGL 015750 3222	ZR F+B-H/	ALLOCATION FLAGS	DILL 015763 0000	** F
RESERVED	0000		CH 2 ACCESS 7154 FLAG	45	
LENGTH OF TRT	0645		CH 1 ACCESS 7154 FLAG	47	
FIRST AVAIL TRACK PTR	4346		CH 4 ACCESS 7154 FLAG	00	
NUM AVAILABLE TRACKS	1050		CH 3 ACCESS 7154 FLAG	00	
FLAGS / INTERLOCK	ACGL 015751 4000	5 K3 A	BIT 21 IS MAINTENANCE MODE	0	
DA ECS CHAIN FIRST TRACK	0000		MEMORY TYPE - 3 BIT VALUE	0	
DIRECT ACCESS FILE CNT	1336		CPU TYPE - 3 BIT VALUE	0	
FIRST TRACK IQFT	0000		PP PATH TYPE - 3 BIT VALUE	0	
REDEFINITION STATUSES	01		RESERVED	00	
PF UTILITY INTERLOCK	00		ALGORITHM INDEX	06	
ECS ADDRESS MST/TRT	SDGL 015752 00000000		DAYFILE TRACK	DULL 015764 0000	

ECS UPDATE COUNT 0000000000  
 MACHINE MASK INTERLOCK 00  
 FIRST TRACK IAPF ALGL 015753 4012 5J5 5K H  
 LABEL TRACK 4000  
 FIRST TRACK PERMITS 4013  
 NUMBER CATALOG TRACKS 0010  
 FIRST TRACK DAT 0000  
 FAMILY OR PACK NAME PFGL 015754 16172303142310 NOSCLSH7  
 DEVICE NUMBER 42  
 RESERVED 00  
 REL UNIT MULTIUNIT DEV 0  
 NUM UNIT MULTIUNIT DEV 0  
 USER NUM PRIVATE PACK PUGL 015755 00000000000000 5LC  
 DEVICE MASKS 401403  
 FLAGS AND DAT INDEX MDGL 015756 1000 H J DI J  
 FT-HT FLAG \*/\* SECTOR LIMIT 1200  
 DRIVER NAME 0411  
 0 RESERVED FOR PPR USE 0000  
 SECTOR LIMIT 1200  
 RESERVED  
 GLOBAL INSTAL AREA RIGL 015757 00000000000000000000  
 ISGL 015760 00000000000000000000  
 I2GL 015761 00000000000000000000  
 DALL 015762 0000 .C  
 ACTIVITY COUNT  
 UNIT INTERLOCKS 0000  
 CURRENT POSITION 5703  
 NEXT BEST POSITION 7777  
 RESERVED 0000

ACCOUNT FILE TRACK 0000  
 ERRLOG TRACK 0000  
 SYSTEM TABLE TRACK 0000  
 FAMILY IDLE STATUS 0  
 FAMILY ACTIVITY COUNT 000  
 LOCAL STATUS FLAGS STLL 015765 0000 62 K A  
 RESERVED 00  
 ERROR STATUS 00  
 MACHINE ID 4135  
 CURRENT USER COUNT DAF 0013  
 NEXT EQUIPMENT 00  
 ORIGINAL NUMBER UNITS 0  
 LOCAL STATUS 1  
 REDEF IN PROG/NULL EQ DOLL 015766 0 5  
 RESERVED 0  
 NUMBER PHYSICAL UNITS - 1 00  
 EQUIPMENT UNIT LIST 000000000000000040  
 LOCAL INSTAL AREA ISLL 015767 00000000000000000000

TRACK RESERVATION TABLE

015770 +0000	4001	4002	4003	4004	4017	1---	----	1111	5A5B5C5D50
015771 +0004	4005	4006	4007	4010	0017	----	----	1111	5E5F5G5H 0
015772 +0010	4011	0000	4014	0250	1417	--11	----	1111	5I 5LB/L0
015773 +0014	4047	1027	0103	0212	3417	-111	----	1111	5*HWACBJ10
015774 +0020	4021	0372	0121	0321	5417	1-11	----	1111	5QC AQCQ=0
015775 +0024	0317	0167	0006	0162	7417	1111	----	1111	COA FA 0
015776 +0030	1066	0410	1032	0652	7417	1111	----	1111	H DHHZF) 0
015777 +0034	0162	0001	0144	0003	7417	1111	----	1111	A AA9 C 0
016000 +0040	0161	0124	0111	0651	7417	1111	----	1111	A AIAIF( 0
016001 +0044	0002	0003	0001	4062	7017	111-	----	1111	B C A5 0
016002 +0050	0663	4052	0764	4054	6417	11-1	----	1111	F 5)G 5= 0
016003 +0054	0275	0245	0002	0005	3417	-111	----	1111	B B+ B E10
016004 +0060	0004	0046	4101	0107	6417	11-1	----	1111	D -6AAG 0
016005 +0064	0064	0353	0026	0624	7417	1111	----	1111	C\$ VFT 0
016006 +0070	0006	0020	0723	0110	7417	1111	----	1111	F PGSAN 0
016007 +0074	4075	0447	0116	0056	5417	1-11	----	1111	5 D*AN ,=0
016010 +0100	0213	4125	0103	4104	5417	1-11	----	1111	8K6UAC6D=0
016011 +0104	0156	0457	0420	0441	3417	-111	----	1111	A,D.DPD610
016012 +0110	0410	0150	0067	0345	7417	1111	----	1111	DHA/ C+ 0
016013 +0114	0352	0056	0352	0206	7417	1111	----	1111	C) ,CIBF 0
016014 +0120	4121	0706	0050	4124	5417	1-11	----	1111	6QG /6T=0
016015 +0124	0607	4170	0130	4130	1417	--11	----	1111	FG6 AX6XLO
016016 +0130	4131	0715	4133	1074	1017	--1-	----	1111	6YGM60H HO
016017 +0134	0063	4136	0704	4140	6417	11-1	----	1111	63GD65 0
016020 +0140	4141	4142	4143	4144	0017	----	----	1111	66676869 0
016021 +0144	4145	4146	4147	0723	0017	----	----	1111	6+6-6*GS 0
016022 +0150	0032	4152	4153	0044	6017	11--	----	1111	Z616\$ 9 0

016023	+0154	0040	0126	4157	0010	7017	111-	----	1111	5AV6. H 0
016024	+0160	0107	4162	0707	0002	6417	11-1	----	1111	AG6 GG B 0
016025	+0164	4165	4166	4167	0565	4017	1----	----	1111	6 6 6 E 50
016026	+0170	4222	0336	0117	0300	3417	-111	----	1111	7RC3AUC 10
016027	+0174	0125	0053	0002	4200	7417	1111	----	1111	AU \$ B7 0
016030	+0200	0135	4202	0141	0041	2417	-1-1	----	1111	A27BA6 6TO
016031	+0204	0053	0011	1030	0125	7417	1111	----	1111	\$ IHXAU 0
016032	+0210	4211	0135	0003	0053	5417	1-11	----	1111	7IA2 C \$=0
016033	+0214	0037	0277	0136	0001	7417	1111	----	1111	4B A3 A 0
016034	+0220	0117	0004	4302	0057	6417	11-1	----	1111	AO D8B . 0
016035	+0224	4225	0172	0012	0527	5417	1-11	----	1111	7UA JEW=0
016036	+0230	0716	0004	0306	0574	7417	1111	----	1111	GN DCFE 0
016037	+0234	0004	0043	0004	0004	7417	1111	----	1111	D 8 D D 0
016040	+0240	0004	0213	0105	0206	7417	1111	----	1111	DBKAEBF 0
016041	+0244	0245	4246	4247	0240	6017	11--	----	1111	B+7-7*85 0
016042	+0250	0002	0206	0002	0210	7417	1111	----	1111	BBF BBH 0
016043	+0254	0105	0004	0002	0111	7417	1111	----	1111	AE D BAI 0
016044	+0260	0014	0101	0240	0143	7417	1111	----	1111	LAAB5A8 0
016045	+0264	0105	0001	0262	0632	7417	1111	----	1111	AE AB FZ 0
016046	+0270	0007	0114	0107	0260	7417	1111	----	1111	GALAGB 0
016047	+0274	0033	0143	0105	0240	7417	1111	----	1111	OABAEBS 0
016050	+0300	0036	0145	4345	0241	6417	11-1	----	1111	3A+8+B6 0
016051	+0304	0214	0001	0004	4310	7417	1111	----	1111	BL A D8H 0
016052	+0310	4311	4312	4313	0113	0017	----	----	1111	818J8KAK 0
016053	+0314	0105	0007	0024	0014	7417	1111	----	1111	AE G T L 0
016054	+0320	0257	0242	4323	4324	7017	111-	----	1111	B.87858T 0
016055	+0324	0547	4326	4327	4330	2017	-1--	----	1111	E*8V8W8XPO
016056	+0330	0755	0110	0207	0005	3417	-111	----	1111	G AH8G E10
016057	+0334	0001	0005	4337	0326	7017	111-	----	1111	A E84CV 0
016060	+0340	0206	0125	0006	0006	7417	1111	----	1111	BFAU F F 0
016061	+0344	0002	4413	1003	0002	5417	1-11	----	1111	B9KHC B=0
016062	+0350	0121	0011	0105	0105	7417	1111	----	1111	AQ IAEAE 0
016063	+0354	0041	0310	0005	0110	7417	1111	----	1111	6CH EAH 0
016064	+0360	0056	0014	0051	0003	7417	1111	----	1111	, L ( C 0
016065	+0364	0465	0366	0470	0036	7417	1111	----	1111	D C D 3 0
016066	+0370	4371	4372	4373	0247	4017	1----	----	1111	8 8 8 B*50
016067	+0374	0502	0003	0120	0743	7417	1111	----	1111	EB CAPG8 0
016070	+0400	4401	5624	0316	0001	5417	1-11	----	1111	9A,TCN A=0
016071	+0404	0001	0057	0002	0115	7417	1111	----	1111	A . BAM 0
016072	+0410	0006	0001	0643	4472	7017	111-	----	1111	F AF89 0
016073	+0414	0067	0010	0053	1003	7417	1111	----	1111	H \$HC 0
016074	+0420	0044	0627	4423	4424	7017	111-	----	1111	9FW9S9T 0
016075	+0424	4425	0247	4427	0525	1017	--1-	----	1111	9UB*9WEUHD
016076	+0430	0021	0001	4433	4434	7017	111-	----	1111	Q A9091 0
016077	+0434	4435	4436	4437	0605	0017	----	----	1111	929394FE 0
016100	+0440	4441	4442	4443	4444	4017	1----	----	1111	9697989950
016101	+0444	0061	1137	0070	0022	3417	-111	----	1111	I4 R10
016102	+0450	0072	0264	4453	0622	7017	111-	----	1111	B 9\$FR 0
016103	+0454	0052	0261	0002	0011	7417	1111	----	1111	JB B I 0
016104	+0460	0043	0001	0007	0112	7417	1111	----	1111	8 A GAJ 0
016105	+0464	0007	0243	0136	0075	7417	1111	----	1111	GB8A3 0
016106	+0470	0047	0145	4475	4474	6417	11-1	----	1111	*A+9 9 0
016107	+0474	0602	4510	0114	0252	1417	--11	----	1111	FB*HALB1LO
016110	+0500	0110	0145	0101	0101	7417	1111	----	1111	AHA+AAAA 0
016111	+0504	4505	4506	4507	0254	4017	1----	----	1111	+E+F+GB=50
016112	+0510	4531	0070	4513	0514	2017	-1--	----	1111	+Y +KELPO
016113	+0514	0043	0733	5637	0221	6417	11-1	----	1111	8GO,4BQ 0

016114 +0520 0114 0704 4523 1026 7017 111- ---- 1111 ALGD+SHV 0  
016115 +0524 0117 0024 0025 0633 7417 1111 ---- 1111 AD T UFO 0  
016116 +0530 0025 4660 0431 0205 5417 1-11 ---- 1111 U- DYBE=0  
016117 +0534 0573 0137 1051 4556 6417 11-1 ---- 1111 E A4H(+, 0  
016120 +0540 0013 0036 0334 0001 6417 11-1 ---- 1111 K 3C1 A 0  
016121 +0544 0001 0100 0311 0350 7417 1111 ---- 1111 AA CIC/ 0  
016122 +0550 4551 4552 4553 4554 4017 1--- ---- 1111 +(+)+\$+=50  
016123 +0554 0167 0332 4557 4560 2017 -1-- ---- 1111 A CZ+.+ PO  
016124 +0560 5633 4562 5021 0115 0417 ---1 ---- 1111 ,0+ /QAMDD  
016125 +0564 0025 4566 4567 4570 6017 11-- ---- 1111 U+ + + 0  
016126 +0570 4571 4572 4573 4574 0017 ---- ---- 1111 + + + + 0  
016127 +0574 0600 0505 0035 1156 3417 -111 ---- 1111 F EE 2I,10  
016130 +0600 0060 0404 4603 0115 7017 111- ---- 1111 DD-CAM 0  
016131 +0604 1032 0250 0025 0132 7417 1111 ---- 1111 HZB/ UAZ 0  
016132 +0610 0052 0055 0137 4773 7417 1111 ---- 1111 ) A4\* 0  
016133 +0614 0037 0054 0004 0052 7417 1111 ---- 1111 4 = D ) 0  
016134 +0620 0005 0032 0011 0027 7417 1111 ---- 1111 E Z I W 0  
016135 +0624 0007 0046 0045 0075 7417 1111 ---- 1111 G - + 0  
016136 +0630 0021 0016 0026 0115 7417 1111 ---- 1111 Q N VAM 0  
016137 +0634 0122 0013 4637 0075 7017 111- ---- 1111 AR K-4 0  
016140 +0640 4641 1001 0570 0171 5417 1-11 ---- 1111 -6HAE A =0  
016141 +0644 0242 0122 0234 0145 7417 1111 ---- 1111 B7ARB1A+ 0  
016142 +0650 0023 0100 0064 0657 7417 1111 ---- 1111 SA F. 0  
016143 +0654 0647 0106 0105 0002 7417 1111 ---- 1111 F\*AFAE B 0  
016144 +0660 5111 4662 0712 0012 2417 -1-1 ---- 1111 (I- GJ JTO  
016145 +0664 4665 4666 4667 4670 4017 1--- ---- 1111 - - - - 50  
016146 +0670 4671 4672 4673 4674 0017 ---- ---- 1111 - - - - 0  
016147 +0674 4675 4676 4677 0462 0017 ---- ---- 1111 - - - D 0  
016150 +0700 0466 4702 0637 0303 6417 11-1 ---- 1111 D \*BF4CC 0  
016151 +0704 0317 0321 4707 0210 7017 111- ---- 1111 COCQ\*GBH 0  
016152 +0710 4711 4712 4713 4714 4017 1--- ---- 1111 \*I\*J\*K\*L50  
016153 +0714 4715 4716 4717 4720 0017 ---- ---- 1111 \*M\*N\*O\*P 0  
016154 +0720 4721 4722 4723 0526 0017 ---- ---- 1111 \*Q\*R\*S\*EV 0  
016155 +0724 1134 0545 0652 0776 7417 1111 ---- 1111 IIE+F)G 0  
016156 +0730 1031 0045 0155 4734 7417 1111 ---- 1111 HY +A \*1 0  
016157 +0734 0314 4736 4737 4740 2017 -1-- ---- 1111 CL\*3\*4\*5PO  
016160 +0740 0547 0534 0476 0132 3417 -111 ---- 1111 E\*E1D AZ10  
016161 +0744 4745 0603 4747 4750 5017 1-1- ---- 1111 \*\*FC\*\*\*//0  
016162 +0750 4751 4752 1122 0320 0417 ---1 ---- 1111 \*(\*)IRCPDD  
016163 +0754 0564 0541 4757 4760 7017 111- ---- 1111 E E6\*.\* 0  
016164 +0760 0031 0160 4763 4764 3017 -11- ---- 1111 YA \* \* X0  
016165 +0764 4765 4766 4767 0464 0017 ---- ---- 1111 \* \* \* D 0  
016166 +0770 0350 0124 0267 1125 7017 111- ---- 1111 C/ATB IU 0  
016167 +0774 0001 0012 0721 4561 7417 1111 ---- 1111 A JGQ+ 0  
016170 +1000 0457 0164 0162 5004 4417 1--1 ---- 1111 D.A A /D90  
016171 +1004 5005 5006 5062 0222 0417 ---1 ---- 1111 /E/F/ BRDD  
016172 +1010 0150 5012 5013 5014 6017 11-- ---- 1111 A//J/K/L 0  
016173 +1014 5015 0372 0051 5025 1417 --11 ---- 1111 /MC (/ULO  
016174 +1020 5024 5027 5632 0721 5417 1-11 ---- 1111 /T/W,ZGO=0  
016175 +1024 5026 4536 0332 5631 0017 ---- ---- 1111 /V+3CZ,Y 0  
016176 +1030 0064 5063 5033 5034 7017 111- ---- 1111 / /0/1 0  
016177 +1034 5035 5036 5037 5040 0017 ---- ---- 1111 /2/3/4/5 0  
016200 +1040 5041 5042 5043 5044 0017 ---- ---- 1111 /6/7/8/9 0  
016201 +1044 5045 5046 5047 5050 0017 ---- ---- 1111 /+/-/\*// 0  
016202 +1050 5051 5052 5053 0064 0017 ---- ---- 1111 /(/)/% 0  
016203 +1054 0022 0032 5057 5060 7017 111- ---- 1111 R Z// / 0  
016204 +1060 0153 0350 0101 0663 2017 -1-- ---- 1111 A\$C/AAF PO

016205	+1064	1134	5002	0227	5070	7417	1111	----	1111	I1/BBW/ 0
016206	+1070	5071	0053	0017	0630	1417	--11	----	1111	/ \$ OFXLO
016207	+1074	5075	5076	5077	5100	4017	1----	----	1111	/ / / ( 50
016210	+1100	5101	5102	5103	5104	0017	----	----	1111	(A(B(C(D 0
016211	+1104	5105	5106	5107	5110	0017	----	----	1111	(E(F(G(H 0
016212	+1110	0202	5123	0702	0106	1417	--11	----	1111	BB(SGBAFL0
016213	+1114	5115	0407	0363	0363	5417	1-11	----	1111	(MDGC C =0
016214	+1120	0746	0002	0002	5125	7017	111-	----	1111	G- B B(U 0
016215	+1124	0023	5216	0003	5130	5417	1-11	----	1111	S)N C(X=0
016216	+1130	5131	5132	5133	5134	0017	----	----	1111	(Y(Z(0(1 0
016217	+1134	5135	5136	5137	5140	0017	----	----	1111	(2(3(4(5 0
016220	+1140	5141	5142	5143	5144	0017	----	----	1111	(6(7(8(9 0
016221	+1144	5145	5146	5147	5150	0017	----	----	1111	(+(-(*(/ 0
016222	+1150	5151	5152	5153	5154	0017	----	----	1111	(((((((+ 0
016223	+1154	5155	5156	5157	0240	0017	----	----	1111	( (. (.B5 0
016224	+1160	0075	0313	0206	0367	7417	1111	----	1111	CKBFC 0
016225	+1164	0156	0002	0136	0001	7417	1111	----	1111	A, BA3 A 0
016226	+1170	0013	0165	0140	0003	7417	1111	----	1111	KA' A5 C 0
016227	+1174	0165	5176	0654	0002	6417	11-1	----	1111	A ( F= B 0
016230	+1200	0055	5202	5203	5204	6017	11--	----	1111	)B(C)D 0
016231	+1204	0566	0422	0557	5210	3417	-111	----	1111	E DRE.)H10
016232	+1210	5211	5212	0565	0106	0417	---1	----	1111	)I)JE AFDO
016233	+1214	0002	0010	5314	0261	6417	11-1	----	1111	B H\$LB 0
016234	+1220	0261	5222	5223	5224	6017	11--	----	1111	B )R)S)T 0
016235	+1224	5225	5226	5227	5230	0017	----	----	1111	)U)V)W)X 0
016236	+1230	5231	5232	5233	5234	0017	----	----	1111	)Y)Z)0)1 0
016237	+1234	5235	5236	5237	5240	0017	----	----	1111	)2)3)4)5 0
016240	+1240	5241	5242	5243	0400	0017	----	----	1111	)6)7)8D 0
016241	+1244	0210	0027	5247	5250	7017	111-	----	1111	BH W)*)/ 0
016242	+1250	5251	5252	5253	5254	0017	----	----	1111	)(())\$)- 0
016243	+1254	5255	5256	5257	5260	0017	----	----	1111	) , , , ) 0
016244	+1260	5261	0462	5263	0162	1017	--1-	----	1111	) D ) A HO
016245	+1264	0171	0027	5267	5270	7017	111-	----	1111	A W) ) 0
016246	+1270	5271	5272	0102	5274	0417	---1	----	1111	) ) AB) DO
016247	+1274	0064	0103	0076	0123	3417	-111	----	1111	AC AS10
016250	+1300	5301	0407	0023	0113	5417	1-11	----	1111	\$ADG SAK=0
016251	+1304	0016	0013	0760	0377	7417	1111	----	1111	N KG C 0
016252	+1310	0131	0132	0473	0024	7417	1111	----	1111	AYAZD T 0
016253	+1314	5377	0031	0676	0054	3417	-111	----	1111	\$ YF =10
016254	+1320	0061	5322	0632	0237	6417	11-1	----	1111	\$RFZB4 0
016255	+1324	0131	0042	0527	0013	7417	1111	----	1111	AY 7EW K 0
016256	+1330	0032	0050	0371	0453	7417	1111	----	1111	Z /C D\$ 0
016257	+1334	0161	0021	0046	0151	7417	1111	----	1111	A Q -A( 0
016260	+1340	0043	0046	0027	0006	7417	1111	----	1111	B - W F 0
016261	+1344	0121	0006	5347	0133	7017	111-	----	1111	AQ F\$+AO 0
016262	+1350	0042	0010	0337	0017	7417	1111	----	1111	7 HC4 0 0
016263	+1354	0176	5356	5357	5360	6017	11--	----	1111	A \$, \$, \$ 0
016264	+1360	5361	1032	0111	0011	1417	--11	----	1111	\$ HZAI ILO
016265	+1364	0623	0025	0105	0107	7417	1111	----	1111	FS UAEAG 0
016266	+1370	0175	0246	0305	0306	7417	1111	----	1111	A B-CECF 0
016267	+1374	0210	0301	0301	5423	7017	111-	----	1111	BHCACA=S 0
016270	+1400	0030	0011	0003	0200	7417	1111	----	1111	X I CB 0
016271	+1404	0064	0075	0770	0376	7417	1111	----	1111	G C C 0
016272	+1410	0772	0113	5413	0437	7017	111-	----	1111	G AK=KD4 0
016273	+1414	0022	0121	0572	0363	7417	1111	----	1111	RAQE C 0
016274	+1420	5421	1121	0457	5463	5017	1-1-	----	1111	=QIQD.= /U
016275	+1424	5425	5426	0726	1104	4417	1--1	----	1111	=U=VGVID90

RA = MST,6,7,11,12,13,14. EXPRESS 11  
0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

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NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

016276	+1430	0140	0164	0400	5434	7417	1111	----	1111	A5A D =1 0
016277	+1434	5435	5436	0135	0031	0417	---	1	1111	=2=3A2 Y00
016300	+1440	5441	5442	0476	5444	4417	1--	1	1111	=6=7D =990
016301	+1444	5445	0724	0261	1057	1417	--	11	1111	=+GTB H.L0
016302	+1450	0155	0210	0524	0213	7417	1111	----	1111	A BHETBK 0
016303	+1454	0016	5456	0264	0103	6417	11-	1	1111	N=,B AC 0
016304	+1460	0043	0125	0023	5606	7017	111-	----	1111	8AU S,F 0
016305	+1464	0233	0215	5467	0552	7017	111-	----	1111	80BM= E) 0
016306	+1470	5471	0406	5473	0621	5017	1-1-	----	1111	= DF= FQ/O
016307	+1474	0023	0102	0025	0131	7417	1111	----	1111	SAB UAY 0
016310	+1500	0025	0103	0065	0064	7417	1111	----	1111	UAC 0
016311	+1504	0034	0035	5507	0142	7017	111-	----	1111	1 2 GA7 0
016312	+1510	0261	5572	0001	5514	7417	1111	----	1111	B A L 0
016313	+1514	0536	0013	0245	5520	3417	-111	----	1111	E3 KB+ P10
016314	+1520	5521	5522	5523	5524	0017	----	----	1111	Q R S T 0
016315	+1524	5525	5526	4516	0351	0417	----	1	1111	U V+NC(D0
016316	+1530	0175	0145	0221	0171	7417	1111	----	1111	A A+BQA 0
016317	+1534	0425	0143	0203	0203	7417	1111	----	1111	DUABBCBC 0
016320	+1540	0036	5542	0216	0002	6417	11-1	----	1111	3 7BN B 0
016321	+1544	0001	5546	0456	0036	6417	11-1	----	1111	A -D, 3 0
016322	+1550	5551	5552	5553	5554	4017	1----	----	1111	( ) % =50
016323	+1554	5555	5556	5557	5560	0017	----	----	1111	, . 0
016324	+1560	5561	5562	5563	0526	0017	----	----	1111	EV 0
016325	+1564	5566	0063	0120	0236	6417	11-1	----	1111	APB3 0
016326	+1570	1077	5574	5615	0237	6417	11-1	----	1111	H ,MB4 0
016327	+1574	5575	5602	5577	0264	1017	--	1	1111	,B B HO
016330	+1600	0112	0021	5603	5604	6017	11--	----	1111	AJ Q,C,D 0
016331	+1604	5605	0516	6112	0160	0417	----	1	1111	,EEN JA DU
016332	+1610	0220	5612	0630	0543	6417	11-1	----	1111	BP,JFXE8 0
016333	+1614	0065	5616	5617	0643	4017	1----	----	1111	,N,OF850
016334	+1620	0133	0001	5623	0060	7017	111-	----	1111	AO A,S 0
016335	+1624	0022	0234	0013	0236	3417	-111	----	1111	RBI KB310
016336	+1630	0114	4512	1104	5635	4017	1----	----	1111	AL+JID,250
016337	+1634	0024	5636	0413	5640	4017	1----	----	1111	T,3DK,550
016340	+1640	5641	5651	0063	5644	1417	--	11	1111	,6,( ,9L0
016341	+1644	0724	0060	5647	0146	3017	-11-	----	1111	GT ,*A-X0
016342	+1650	0061	5657	0065	1066	5417	1-11	----	1111	,. H =0
016343	+1654	0003	0026	0003	5660	7017	111-	----	1111	C V C, 0
016344	+1660	5661	0316	0507	5664	1417	--	11	1111	, CNEG, L0
016345	+1664	5665	5717	0517	5673	1417	--	11	1111	, .0EO, L0
016346	+1670	4542	0510	0213	5677	3017	-11-	----	1111	+7EHBK, X0
016347	+1674	0222	0251	0224	5701	7017	111-	----	1111	BRB(BT.A 0
016350	+1700	0224	0314	5703	0407	5017	1-1-	----	1111	BTCL.CDG/O
016351	+1704	0031	5706	0407	5710	6417	11-1	----	1111	Y.FDG.H 0
016352	+1710	0407	0267	0165	5714	3417	-111	----	1111	DGB A .L10
016353	+1714	0420	5716	0420	5720	2017	-1--	----	1111	DP.NDP.PPO
016354	+1720	0364	0675	0030	0033	3417	-111	----	1111	C F X 010
016355	+1724	0620	0110	0061	0002	7417	1111	----	1111	FPAN B 0
016356	+1730	0045	0151	0121	0127	7417	1111	----	1111	+A(AQAW 0
016357	+1734	5735	0675	0256	0020	5417	1-11	----	1111	.2F B, P=0
016360	+1740	0013	0651	0304	0347	7417	1111	----	1111	KF(CDC* 0
016361	+1744	0063	5746	0145	0213	6417	11-1	----	1111	.-A+BK 0
016362	+1750	0102	0003	0224	0023	7417	1111	----	1111	AB CBT S 0
016363	+1754	0227	0074	0115	0033	7417	1111	----	1111	BW AM 0 0
016364	+1760	0051	0140	0541	0023	7417	1111	----	1111	(A5E6 S 0
016365	+1764	0040	0640	0201	5770	7417	1111	----	1111	5F5BA. 0
016366	+1770	0132	0023	0114	0054	3417	-111	----	1111	AZ SAL =10

016367	+1774	0115	1122	0113	0063	7417	1111	----	1111	AMIRAK	0
016370	+2000	0003	0064	0124	6004	7417	1111	----	1111	C AT D O	
016371	+2004	0050	0126	0012	0012	3417	-111	----	1111	/AV J J10	
016372	+2010	5001	0546	0132	0107	7417	1111	----	1111	/AE-AZAG O	
016373	+2014	0071	0104	0221	0007	7417	1111	----	1111	ADBO G O	
016374	+2020	0066	0023	0042	0160	7417	1111	----	1111	S 7A O	
016375	+2024	0023	0101	0135	0044	7417	1111	----	1111	SAAA2 9 O	
016376	+2030	0115	0132	0553	0224	7417	1111	----	1111	AMAZE\$BT O	
016377	+2034	0030	0014	0124	0011	7417	1111	----	1111	X LAT I O	
016400	+2040	0337	0012	0026	0222	7417	1111	----	1111	C4 J VBR O	
016401	+2044	6045	0644	0640	6050	5417	1-11	----	1111	+F9F5 /=0	
016402	+2050	0175	0504	0017	0015	3417	-111	----	1111	A ED O M10	
016403	+2054	0100	0041	0025	0105	7417	1111	----	1111	A 6 UAE O	
016404	+2060	1101	0022	0477	6064	7417	1111	----	1111	IA RD O	
016405	+2064	0007	6066	6067	6070	2017	-1--	----	1111	G PO	
016406	+2070	6071	6072	6073	6074	0017	----	----	1111	O	
016407	+2074	6122	0506	0506	0507	3417	-111	----	1111	REFEFEG10	
016410	+2100	6101	0663	0220	0023	5417	1-11	----	1111	AF BP S=0	
016411	+2104	0023	0007	0504	0052	7417	1111	----	1111	S GED J O	
016412	+2110	0506	0011	5670	0061	6417	11-1	----	1111	EF I, O	
016413	+2114	0042	0034	0147	0136	7417	1111	----	1111	7 1A+A3 O	
016414	+2120	0447	0110	0412	0110	6417	11-1	----	1111	D*AHDJAH O	
016415	+2124	0000	0000	0041	0163	1403	--11	----	--11	6A LC	
016416	+2130	0521	0011	0011	6134	7417	1111	----	1111	EQ I I 1 O	
016417	+2134	6135	6136	6137	6140	0017	----	----	1111	2 3 4 5 O	
016420	+2140	6141	6142	6143	6144	0017	----	----	1111	6 7 8 9 O	
016421	+2144	6145	6146	0173	0620	0417	----1	----	1111	+ -A FPDD	
016422	+2150	0055	0776	0000	0000	6014	11--	----	11--	G L	
016423	+2154	0000	0000	0000	0000	0000	----	----	----		

016634 +3220 3777 3777 3777 3777 0017 ---- ---- 1111 4 4 4 4 0

EQUIPMENT 13 - MASS STORAGE TABLE

NUMBER OF TRACKS	TDGL 016640 3222	ZR F+7-JT	ALLOCATION FLAGS	DILL 016653 0000	++	F
RESERVED	0000		CH 2 ACCESS 7154 FLAG	47		
LENGTH OF TRT	0645		CH 1 ACCESS 7154 FLAG	45		
FIRST AVAIL TRACK PTR	4246		CH 4 ACCESS 7154 FLAG	00		
NUM AVAILABLE TRACKS	1224		CH 3 ACCESS 7154 FLAG	00		
FLAGS / INTERLOCK	ACGL 016641 0000	I, A	BIT 21 IS MAINTENANCE MODE	0		
DA ECS CHAIN FIRST TRACK	0000		MEMORY TYPE - 3 BIT VALUE	0		
DIRECT ACCESS FILE CNT	1156		CPU TYPE - 3 BIT VALUE	0		
FIRST TRACK IGFT	0000		PP PATH TYPE - 3 BIT VALUE	0		
REDEFINITION STATUSES	01		RESERVED	00		
PF UTILITY INTERLOCK	00		ALGORITHM INDEX	06		
LCS ADDRESS MST/TRT	SDGL 016642 00000000		DAYFILE TRACK	DULL 016654 0000		AA
ECS UPDATE COUNT	0000000000		ACCOUNT FILE TRACK	0000		
MACHINE MASK INTERLOCK	00		ERRLOG TRACK	0000		
FIRST TRACK IAPF	ALGL 016643 4012	5J5 5K H	SYSTEM TABLE TRACK	0000		
LABEL TRACK	4000		FAMILY IDLE STATUS	0		
FIRST TRACK PERMITS	4013		FAMILY ACTIVITY COUNT	101		
NUMBER CATALOG TRACKS	0010		LOCAL STATUS FLAGS	STLL 016655 0004		D 62 M A
FIRST TRACK DAT	0000		RESERVED	00		
FAMILY OR PACK NAME	PFGL 016644 16172303142310	NOSCLSH8	ERROR STATUS	00		
DEVICE NUMBER	43		MACHINE ID	4135		
RESERVED	00		CURRENT USER COUNT DAF	0015		
REL UNIT MULTIUNIT DEV	0		NEXT EQUIPMENT	00		



NUM UNIT MULTIUNIT DEV 0  
 USER NUM PRIVATE PACK PUGL 016645 00000000000000 /B  
 DEVICE MASKS 500200  
 FLAGS AND DAT INDEX MDGL 016646 1000 H J DI J  
 FT-HT FLAG \*/\* SECTOR LIMIT 1200  
 DRIVER NAME 0411  
 0 RESERVED FOR PPR USE 0000  
 SECTOR LIMIT 1200  
 RESERVED R1GL 016647 00000000000000000000  
 GLOBAL INSTAL AREA ISGL 016650 00000000000000000000  
 I2GL 016651 0000000000000000000000  
 ACTIVITY COUNT DALL 016652 0000 , -  
 UNIT INTERLOCKS 0000  
 CURRENT POSITION 5646  
 NEXT BEST POSITION 7777  
 RESERVED 0000

ORIGINAL NUMBER UNITS 0  
 LOCAL STATUS 1  
 REDEF IN PROG/NULL EO DLLL 016656 0 6  
 RESERVED 0  
 NUMBER PHYSICAL UNITS - 1 00  
 EQUIPMENT UNIT LIST 000000000000000041  
 LOCAL INSTAL AREA ISLL 016657 00000000000000000000

TRACK RESERVATION TABLE

016660	+0000	4001	4002	4003	4004	4017	1---	----	1111	5A5B5C5D50
016661	+0004	4005	4006	4007	4010	0017	----	----	1111	5E5F5G5H 0
016662	+0010	4011	0000	4052	0226	1417	--11	----	1111	5I 5J BVLO
016663	+0014	0044	0040	0040	4020	7417	1111	----	1111	9 5 55P 0
016664	+0020	4021	0144	0112	4024	1417	--11	----	1111	5QA9AJ5TLO
016665	+0024	4025	0145	4027	4030	1017	--1-	----	1111	5UA+5W5XHO
016666	+0030	0514	0157	0161	0166	3417	-111	----	1111	ELA.A A 10
016667	+0034	4035	0613	4037	0603	5017	1-1-	----	1111	52FK54FC/0
016670	+0040	0042	0202	0067	0157	7417	1111	----	1111	78B A. 0
016671	+0044	0450	4047	4214	5134	7017	111-	----	1111	D/5*7L(1 0
016672	+0050	0450	0114	4053	4076	6017	11--	----	1111	D/AL545 0
016673	+0054	0101	0104	0207	0055	7417	1111	----	1111	AAADBG 0
016674	+0060	0174	0176	0100	0105	7417	1111	----	1111	A A A AE 0
016675	+0064	0127	0067	0131	4070	7417	1111	----	1111	AW AY5 0
016676	+0070	0054	0132	0133	0135	3417	-111	----	1111	=AZA0A210
016677	+0074	0027	0074	4115	4100	6417	11-1	----	1111	W 6M6 0
016700	+0100	0216	0532	0246	0563	3417	-111	----	1111	BNEZB-E 10
016701	+0104	0776	0001	0112	0026	7417	1111	----	1111	G AAJ V 0
016702	+0110	0003	0003	0003	0233	7417	1111	----	1111	C C CBO 0
016703	+0114	0162	4145	0253	0017	5417	1-11	----	1111	A 6+8\$ 0=0
016704	+0120	0066	0070	0127	0103	7417	1111	----	1111	AWAC 0
016705	+0124	0006	0002	0522	0101	7417	1111	----	1111	F BERAA 0
016706	+0130	0002	1027	1066	0126	7417	1111	----	1111	BHWH AV 0
016707	+0134	0136	0014	0107	0724	7417	1111	----	1111	A3 LAGGT 0
016710	+0140	0230	0360	0004	0126	7417	1111	----	1111	BXC DAV 0
016711	+0144	0075	4216	0007	0256	5417	1-11	----	1111	7N GB,-0
016712	+0150	0002	0207	0133	0376	7417	1111	----	1111	8BGAOC 0
016713	+0154	0007	4156	4157	4160	6017	11--	----	1111	G6,6.6 0
016714	+0160	4161	4162	4163	4164	0017	----	----	1111	6 6 6 6 0
016715	+0164	4165	4166	4167	4170	0017	----	----	1111	6 6 6 6 0
016716	+0170	4171	4172	4173	4174	0017	----	----	1111	6 6 6 6 0
016717	+0174	4175	0620	4177	0247	1017	--1-	----	1111	6 FP6 B*HO
016720	+0200	4201	0567	0246	0175	5417	1-11	----	1111	7AE B-A =0
016721	+0204	0273	0126	0121	0401	7417	1111	----	1111	B AVAQDA 0
016722	+0210	0120	0126	0324	0262	7017	111-	----	1111	APAVCTB 0
016723	+0214	4215	4220	4350	4213	0417	----	----	1111	7M7P8/7KDO
016724	+0220	4544	0204	4223	4224	3017	-11-	----	1111	+98D7S7TX0
016725	+0224	4225	4226	4227	4230	0017	----	----	1111	7U7V7W7X 0

016726	+0230	0625	0230	0200	0413	3417	-111	----	1111	FUBXB DK10
016727	+0234	4235	4236	4237	4240	4017	1---	----	1111	7273747550
016730	+0240	4241	4242	4243	4244	0017	----	----	1111	76777879 0
016731	+0244	4245	4246	4247	4250	0017	----	----	1111	7+7-7+7/ 0
016732	+0250	4251	4252	4253	4254	0017	----	----	1111	7(7)757- 0
016733	+0254	4255	4256	4257	4260	0017	----	----	1111	7 7,7.7 0
016734	+0260	4261	4262	4263	4264	0017	----	----	1111	7 7 7 7 0
016735	+0264	4265	4266	0554	1150	0417	---1	----	1111	7 7 E-1/00
016736	+0270	0277	0270	4273	4274	7017	111-	----	1111	8 8 7 7 0
016737	+0274	4275	0314	4277	4300	1017	--1-	----	1111	7 CL 7 8 HD
016740	+0300	4301	0314	0175	0713	1417	--11	----	1111	8ACLA GKLO
016741	+0304	4305	4306	4307	4310	4017	1---	----	1111	8E8F8G8H50
016742	+0310	4311	4312	4313	4314	0017	----	----	1111	8I8J8K8L 0
016743	+0314	0270	4316	4317	4320	2017	-1---	----	1111	8 8N8O8PPO
016744	+0320	4321	4322	4323	4324	0017	----	----	1111	8Q8R8S8T 0
016745	+0324	4325	4326	4327	4330	0017	----	----	1111	8U8V8W8X 0
016746	+0330	4331	4332	4333	4334	0017	----	----	1111	8Y8Z8081 0
016747	+0334	4335	4336	4337	4340	0017	----	----	1111	82838485 0
016750	+0340	4341	4342	4343	4344	0017	----	----	1111	86878889 0
016751	+0344	4345	4346	4347	0554	0017	----	----	1111	8+8-8+E- 0
016752	+0350	4433	0340	0242	4354	3417	-111	----	1111	90C5878-10
016753	+0354	0567	4356	0567	4360	2417	-1-1	----	1111	E 8,E 8 TO
016754	+0360	4361	0535	4363	0567	1017	--1-	----	1111	8 E28 E HD
016755	+0364	4365	4366	0525	0045	4417	1--1	----	1111	8 8 EU +90
016756	+0370	1035	0132	4373	0567	7017	111-	----	1111	H2A28 E 0
016757	+0374	4375	0624	4377	0753	5017	1-1-	----	1111	8 FT8 G5/0
016760	+0400	4401	0753	4403	0731	5017	1-1-	----	1111	9AG9CGY/0
016761	+0404	0176	0110	0142	0172	7417	1111	----	1111	A AHA7A 0
016762	+0410	0564	1105	4413	0671	7017	111-	----	1111	E IE9KF 0
016763	+0414	4416	3777	0570	3777	4017	1---	----	1111	9N4 E 4 50
016764	+0420	4421	4422	0514	1076	4417	1--1	----	1111	9Q9RELH 90
016765	+0424	0704	0711	0354	4430	7417	1111	----	1111	GDGIC-9X 0
016766	+0430	0420	0117	0564	4463	3017	-11-	----	1111	DPADE 9 XD
016767	+0434	0073	0151	0067	0216	7417	1111	----	1111	AI BN 0
016770	+0440	0430	0013	0150	0161	7417	1111	----	1111	DX KA/A 0
016771	+0444	0020	0035	4447	0054	7017	111-	----	1111	P 29* = 0
016772	+0450	4451	0665	4453	0665	5017	1-1-	----	1111	9(F 95F /0
016773	+0454	0001	0247	0001	0277	7417	1111	----	1111	AB* AB /0
016774	+0460	4461	0641	0300	4626	5017	1-1-	----	1111	9 F6C -V/0
016775	+0464	4465	4466	4467	4470	4017	1---	----	1111	9 9 9 9 50
016776	+0470	4471	4472	4473	4474	0017	----	----	1111	9 9 9 9 0
016777	+0474	4475	4476	4477	4500	0017	----	----	1111	9 9 9 + 0
017000	+0500	0227	0010	0060	4504	3417	-111	----	1111	BW H +010
017001	+0504	0106	0332	0773	1017	3417	-111	----	1111	AFCZG HQ10
017002	+0510	1156	0171	0132	0451	7417	1111	----	1111	I,A AZD( 0
017003	+0514	0237	0473	0336	0424	7417	1111	----	1111	84D C3DT 0
017004	+0520	0433	0206	0212	0432	7417	1111	----	1111	DOBFBJDZ 0
017005	+0524	0002	0212	0115	0207	7417	1111	----	1111	BBJAMBG 0
017006	+0530	0076	0004	0036	0647	7417	1111	----	1111	D 3F+ 0
017007	+0534	0001	0160	0001	0106	7417	1111	----	1111	AA AAF 0
017010	+0540	0001	0214	0230	4702	7017	111-	----	1111	ABLBX+B 0
017011	+0544	4545	4546	4575	4550	0417	----	----	1111	+++-+ +/00
017012	+0550	4551	4552	4553	4554	0017	----	----	1111	+(+)+\$+ 0
017013	+0554	4555	4556	4557	1177	0017	----	----	1111	+ +,+.1 0
017014	+0560	4561	0754	0104	4564	5417	1-11	----	1111	+ G=AD+ =0
017015	+0564	4565	4566	4567	4570	0017	----	----	1111	+ + + + 0
017016	+0570	4571	4572	4573	4574	0017	----	----	1111	+ + + + 0

RA - MST,6,7,11,12,13,14.  
0000000 CM 16.23.30. 79/08/17. (35)

EXPRESS 11  
S/N 620 CLSH.

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NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

017017	+0574	0101	4605	4577	0054	1017	--1-	----	1111	AA-E+ =HO
017020	+0600	0522	0027	0770	1107	7417	1111	----	1111	ER WG IG 0
017021	+0604	0771	4606	4607	4610	4017	1----	----	1111	G -F-G-H50
017022	+0610	0472	0267	0042	0047	3417	-111	----	1111	D R 7 *10
017023	+0614	0337	4665	0360	0522	5417	1-11	----	1111	C4- C ER=0
017024	+0620	0771	0155	4623	0754	7017	111-	----	1111	G A -SG= 0
017025	+0624	1107	0127	4661	4630	6417	11-1	----	1111	IGAW- -X 0
017026	+0630	4631	0651	0140	0404	1417	--11	----	1111	-YF(A5DDLO
017027	+0634	0152	0054	0136	0133	7417	1111	----	1111	A) -A3A0 0
017030	+0640	0133	0140	0723	0053	7417	1111	----	1111	AOA5GS % 0
017031	+0644	0130	0315	0704	0131	7417	1111	----	1111	AXCMGDAY 0
017032	+0650	0126	0212	0075	0144	7417	1111	----	1111	AVBJ A9 0
017033	+0654	0060	0146	0532	0160	7417	1111	----	1111	A-EZA 0
017034	+0660	0056	4723	0172	1011	5417	1-11	----	1111	,*SA HI=0
017035	+0664	4615	4666	4667	4670	4017	1----	----	1111	-M- - - 50
017036	+0670	4671	4672	4673	4674	0017	----	----	1111	- - - - 0
017037	+0674	4675	4676	4677	4700	0017	----	----	1111	- - - * 0
017040	+0700	4701	0440	0275	4704	0417	----1	----	1111	*AD5B *DDO
017041	+0704	4705	4706	4707	4710	0017	----	----	1111	*E*F*G*H 0
017042	+0710	0735	4712	4713	4714	2017	-1--	----	1111	G2*J*K*LPO
017043	+0714	4715	4716	1102	0126	0417	----1	----	1111	*M*NIBAVDO
017044	+0720	0417	0476	0160	4776	7017	111-	----	1111	DDO A * 0
017045	+0724	0010	4726	4727	4730	6017	11--	----	1111	H*V*W*X 0
017046	+0730	0147	0210	0121	0514	3417	-111	----	1111	A*BHAQEL10
017047	+0734	0031	0053	0001	4740	7417	1111	----	1111	Y \$ A*5 0
017050	+0740	4741	4742	4743	4744	0017	----	----	1111	*6*7*8*9 0
017051	+0744	0304	0343	0126	0014	3417	-111	----	1111	CDC8AV L10
017052	+0750	0001	0001	0001	4754	7417	1111	----	1111	A A A** 0
017053	+0754	4755	4756	4757	0577	0017	----	----	1111	* *,*.E 0
017054	+0760	0001	4762	4763	4764	6017	11--	----	1111	A* * * 0
017055	+0764	4765	4766	4767	1020	0017	----	----	1111	* * * HP 0
017056	+0770	0434	4772	0437	1171	6417	11-1	----	1111	D1* D4I 0
017057	+0774	4775	0670	5224	0673	4417	1--1	----	1111	* F JTF 90
017060	+1000	5001	0663	0036	0036	5417	1-11	----	1111	/AF 3 3=0
017061	+1004	0026	0013	0117	5010	7417	1111	----	1111	V KAO/H 0
017062	+1010	1144	5012	5013	0722	2017	-1--	----	1111	I9/J/KGRPO
017063	+1014	0145	0673	5017	0671	7017	111-	----	1111	A+F /DF 0
017064	+1020	0673	0673	0004	0710	7417	1111	----	1111	F F DGH 0
017065	+1024	0025	5026	0664	0131	6417	11-1	----	1111	U/VF AY 0
017066	+1030	5031	0663	0077	0673	5417	1-11	----	1111	/YF F =0
017067	+1034	5035	5036	0722	0125	4417	1--1	----	1111	/2/3GRAU90
017070	+1040	0005	0062	0673	0673	7417	1111	----	1111	E F F 0
017071	+1044	0673	0673	0050	5050	7417	1111	----	1111	F F /// 0
017072	+1050	0663	0014	0673	0673	3417	-111	----	1111	F LF F 10
017073	+1054	5055	0666	0673	5060	5417	1-11	----	1111	/ F F / =0
017074	+1060	0667	5062	0667	0673	2417	-1-1	----	1111	F / F F TO
017075	+1064	0673	0673	0673	5070	7417	1111	----	1111	F F F / 0
017076	+1070	0633	5072	0633	0010	2417	-1-1	----	1111	FO/ FO HTO
017077	+1074	0121	5076	0652	5100	6417	11-1	----	1111	AQ/ F)( 0
017100	+1100	0661	5102	0032	5104	2417	-1-1	----	1111	F (B Z(OTO
017101	+1104	5105	5106	5107	5110	0017	----	----	1111	(E(F(G(H 0
017102	+1110	5111	5112	5113	5114	0017	----	----	1111	(I(J(K(L 0
017103	+1114	5115	5116	5117	5120	0017	----	----	1111	(M(N(O(P 0
017104	+1120	5121	5122	0226	5124	0417	----1	----	1111	(Q(RB(V(TDO
017105	+1124	5125	0724	0673	0001	1417	--11	----	1111	(UGTF ALD
017106	+1130	5131	5132	0725	0736	4417	1--1	----	1111	(Y(ZGUG390
017107	+1134	0053	0673	0673	0041	3417	-111	----	1111	\$(F F 610

017110	+1140	5141	5142	0567	5144	4417	1--1	----	1111	(6(7E 1990
017111	+1144	5145	0711	0322	0673	1417	--11	----	1111	(+GICRF LO
017112	+1150	5151	5152	5153	5154	4017	1----	----	1111	(((((1-50
017113	+1154	5155	5156	5157	5160	0017	----	----	1111	( (. (. ( 0
017114	+1160	5161	5162	5163	5164	0017	----	----	1111	( ( ( ( ( 0
017115	+1164	5165	5166	5167	5170	0017	----	----	1111	( ( ( ( ( 0
017116	+1170	5171	5172	5173	5174	0017	----	----	1111	( ( ( ( ( 0
017117	+1174	5175	5176	5177	5200	0017	----	----	1111	( ( ( ( ) 0
017120	+1200	5201	5202	5203	5204	0017	----	----	1111	)A)B)C)D 0
017121	+1204	5205	5206	5207	5210	0017	----	----	1111	)E)F)G)H 0
017122	+1210	5211	5212	5213	5214	0017	----	----	1111	)I)J)K)L 0
017123	+1214	5215	5216	1123	0751	0417	----1	----	1111	)M)N)ISG(DD
017124	+1220	0054	0220	0130	0673	7417	1111	----	1111	-BPAXF 0
017125	+1224	5251	0133	0164	0261	3417	-111	----	1111	) (AOA B 10
017126	+1230	0032	0000	0000	0000	4010	1----	----	1----	Z 5H
017127	+1234	0000	1137	0314	5455	3407	-111	----	-111	14CL = 1G
017130	+1240	5241	0645	0235	0377	5417	1-11	----	1111	)6F+32C =0
017131	+1244	0076	0102	0077	0350	7417	1111	----	1111	AB C/ 0
017132	+1250	0001	5252	5260	0024	4417	1--1	----	1111	A))) T90
017133	+1254	0154	0122	0011	0002	7417	1111	----	1111	A=AR I B 0
017134	+1260	5334	0154	0650	0111	3417	-111	----	1111	)1A=F/A110
017135	+1264	0217	0112	0115	0220	7417	1111	----	1111	80AJAM8P 0
017136	+1270	0121	0116	0115	0120	7417	1111	----	1111	AQANAMAP 0
017137	+1274	0122	0126	0125	0126	7417	1111	----	1111	ARAVAUAV 0
017140	+1300	0135	0133	0136	0136	7417	1111	----	1111	A2AOA3A3 0
017141	+1304	1163	5306	0725	0134	6417	11-1	----	1111	I \$FGUA1 0
017142	+1310	0027	0136	0137	0203	7417	1111	----	1111	WA3A4BC 0
017143	+1314	0031	0203	0203	0203	7417	1111	----	1111	Y8CBCBC 0
017144	+1320	0136	0137	0141	0143	7417	1111	----	1111	A3A4A6A8 0
017145	+1324	0144	5326	0540	1114	6417	11-1	----	1111	A9\$VESIL 0
017146	+1330	0174	0357	0054	0027	7417	1111	----	1111	A C. = W 0
017147	+1334	5402	5336	0224	0054	2417	-1-1	----	1111	-B\$3BT =TO
017150	+1340	0570	0273	5343	5344	7017	111-	----	1111	E B \$8\$9 0
017151	+1344	5345	5346	5347	5350	0017	----	----	1111	\$+\$-\$+\$ / 0
017152	+1350	0337	0672	0653	0273	3417	-111	----	1111	C4F F\$B 10
017153	+1354	0211	0106	0056	0041	7417	1111	----	1111	BIAF , 6 0
017154	+1360	1004	5362	5363	0760	6017	11--	----	1111	HD\$ \$ G 0
017155	+1364	0205	0272	5367	0467	7017	111-	----	1111	BEB \$ D 0
017156	+1370	5371	0467	5373	5374	5017	1-1-	----	1111	\$ D \$ \$ /0
017157	+1374	5375	5376	5377	5400	0017	----	----	1111	\$ \$ \$ = 0
017160	+1400	5401	0555	5457	0147	0417	----1	----	1111	=AE =.A*DO
017161	+1404	0065	0110	0223	0105	7417	1111	----	1111	AHBSAE 0
017162	+1410	0053	5412	0312	0007	6417	11-1	----	1111	\$=JCJ G 0
017163	+1414	0167	0033	0443	5420	7417	1111	----	1111	A 008=P 0
017164	+1420	0646	0267	0026	0117	3417	-111	----	1111	F-B VA010
017165	+1424	0162	0165	0173	0572	7417	1111	----	1111	A A A E 0
017166	+1430	0155	0162	0162	0127	7417	1111	----	1111	A A A AW 0
017167	+1434	0057	0171	0044	0035	7417	1111	----	1111	.A 9 2 0
017170	+1440	0174	0704	0040	0357	7417	1111	----	1111	A GD 5C. 0
017171	+1444	1141	0365	1147	0004	7417	1111	----	1111	I6C I+ D 0
017172	+1450	0005	5452	0337	0122	6417	11-1	----	1111	E-)C4AR 0
017173	+1454	0007	5456	5715	5472	4017	1----	----	1111	G=, .M= 50
017174	+1460	0005	0004	0366	0054	7417	1111	----	1111	E DC = 0
017175	+1464	5465	0566	5467	1176	5017	1-1-	----	1111	= E = I /0
017176	+1470	0226	0715	5536	0316	6417	11-1	----	1111	BVGM 3CN 0
017177	+1474	0112	0337	0056	0236	7417	1111	----	1111	AJC4 ,83 0
017200	+1500	0535	0431	0313	0241	7417	1111	----	1111	E2DYCKB6 0

017201	+1504	0244	0175	0011	0221	7417	1111	----	1111	B9A	IBQ	0
017202	+1510	0043	0277	0020	0137	7417	1111	----	1111	8B	PA4	0
017203	+1514	0312	0026	0150	0042	7417	1111	----	1111	CJ	VA/	7
017204	+1520	0120	0326	0073	1100	7417	1111	----	1111	APCV	I	0
017205	+1524	5525	0415	5527	0332	5017	1-1-	----	1111	UDM	WCZ/0	
017206	+1530	0114	0002	5533	0603	7017	111-	----	1111	AL	B OFC	0
017207	+1534	0017	0140	5566	0261	6417	11-1	----	1111	0A5	B	0
017210	+1540	0444	0043	0032	0157	7417	1111	----	1111	D9	8 ZA.	0
017211	+1544	0016	0061	0007	0114	7417	1111	----	1111	N	GAL	0
017212	+1550	5551	0144	0707	0027	5417	1-11	----	1111	(A9GG	W=0	
017213	+1554	0162	0113	0030	0045	7417	1111	----	1111	A	AK X +	0
017214	+1560	0046	0004	0104	0000	7016	111-	----	111-	-	DAD	N
017215	+1564	0216	0273	5645	0261	6417	11-1	----	1111	BNB	,+B	0
017216	+1570	0116	0274	0172	0157	7417	1111	----	1111	ANB	A A.	0
017217	+1574	0223	0063	0205	5600	7417	1111	----	1111	BS	BE,	0
017220	+1600	1105	0123	0163	0104	3417	-111	----	1111	IEASA	AD10	
017221	+1604	0251	0265	0243	0343	7417	1111	----	1111	B(B	B8C8	0
017222	+1610	0306	0051	0155	0100	7417	1111	----	1111	CF	(A A	0
017223	+1614	0030	0035	0050	0021	7417	1111	----	1111	X	2 /	0
017224	+1620	0120	5622	1054	0242	6417	11-1	----	1111	AP,RH	=B7	0
017225	+1624	5625	5626	0335	0106	4417	1--1	----	1111	,U,VC2	AF90	
017226	+1630	0001	0007	0036	0512	7417	1111	----	1111	A	G 3EJ	0
017227	+1634	0653	0002	0117	5640	7417	1111	----	1111	F\$	BA0,5	0
017230	+1640	0610	0150	0006	5644	3417	-111	----	1111	FHA/	F,910	
017231	+1644	0147	5705	0004	0014	1417	--11	----	1111	A+.E	D LLO	
017232	+1650	0331	5652	0636	0003	6417	11-1	----	1111	CY,)	F3 C	0
017233	+1654	0143	0115	0046	0177	7417	1111	----	1111	ABAM	-A	0
017234	+1660	0177	0120	0707	0040	7417	1111	----	1111	A	APGG	5
017235	+1664	0040	0124	0036	0454	7417	1111	----	1111	5AT	3D=	0
017236	+1670	0044	0712	0044	0044	7417	1111	----	1111	9GJ	9 9	0
017237	+1674	0532	0065	0170	0463	7417	1111	----	1111	EZ	A D	0
017240	+1700	0372	0040	0271	5704	7417	1111	----	1111	C	5B .D	0
017241	+1704	0606	5706	4543	0370	0417	---1	----	1111	FF.F+8C	DD	
017242	+1710	0226	0164	0174	0054	7417	1111	----	1111	BVA	A =	0
017243	+1714	0000	5716	0355	0757	0407	---1	----	-111	.NC	G.DG	
017244	+1720	5723	0651	0263	5724	7017	111-	----	1111	.SF(B	.T	0
017245	+1724	0613	0217	0106	5730	3417	-111	----	1111	FKBOAF	.X10	
017246	+1730	5731	5732	5733	0315	0017	----	----	1111	.Y.Z.	OCM	0
017247	+1734	5735	5736	0706	0003	4417	1--1	----	1111	.2.3GF	C90	
017250	+1740	0001	0530	5743	5744	7017	111-	----	1111	AEX.	8.9	0
017251	+1744	5745	5746	5747	5750	0017	----	----	1111	.+.-.	+./	0
017252	+1750	5751	5752	5753	0445	0017	----	----	1111	.(.)	.\$D+	0
017253	+1754	5755	0177	5757	5760	5017	1-1-	----	1111	. A	...	/0
017254	+1760	5761	5762	0316	0673	0417	---1	----	1111	. .	CNF	DD
017255	+1764	0001	5766	0700	0225	6417	11-1	----	1111	A.	G BU	0
017256	+1770	5771	5772	0725	0001	4417	1--1	----	1111	. .	GU	A90
017257	+1774	0001	0001	0001	0001	7417	1111	----	1111	A	A A A	0
017260	+2000	0001	0001	0001	0000	7016	111-	----	111-	A	A A	N
017261	+2004	0000	0000	0000	0000	0000	----	----	----			

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017403	+2514	0000	0000	0000	3777	0001	----	----	----		4	A
017404	+2520	0000	0000	0000	0000	0000	----	----	----			

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017524	+3220	0000	0000	3777	3777	0003	----	----	--11		4	4	C
--------	-------	------	------	------	------	------	------	------	------	--	---	---	---

NUMBER OF TRACKS	TDGL 017530 3150	Y/ F25 C	ALLOCATION FLAGS	DILL 017543 0000	B
RESERVED	0000		CH 2 ACCESS 7154 FLAG	60	
LENGTH OF TRT	0632		CH 1 ACCESS 7154 FLAG	61	
FIRST AVAIL TRACK PTR	4006		CH 4 ACCESS 7154 FLAG	00	
NUM AVAILABLE TRACKS	0365		CH 3 ACCESS 7154 FLAG	00	
FLAGS / INTERLOCK	ACGL 017531 0000	JS A	BIT 21 IS MAINTENANCE MODE	0	
DA ECS CHAIN FIRST TRACK	0000		MEMORY TYPE - 3 BIT VALUE	0	
DIRECT ACCESS FILE CNT	1223		CPU TYPE - 3 BIT VALUE	0	
FIRST TRACK IQFT	0000		PP PATH TYPE - 3 BIT VALUE	0	
REDEFINITION STATUSES	01		RESERVED	00	
PF UTILITY INTERLOCK	00		ALGORITHM INDEX	02	
ECS ADDRESS MST/TRT	SDGL 017532 00000000		DAYFILE TRACK	DULL 017544 0000	
ECS UPDATE COUNT	0000000000		ACCOUNT FILE TRACK	0000	
MACHINE MASK INTERLOCK	00		ERRLOG TRACK	0000	
FIRST TRACK IAPF	ALGL 017533 4043	585 59 5	SYSTEM TABLE TRACK	0000	
LABEL TRACK	4000		FAMILY IDLE STATUS	0	
FIRST TRACK PERMITS	4044		FAMILY ACTIVITY COUNT	000	
NUMBER CATALOG TRACKS	0040		LOCAL STATUS FLAGS	STLL 017545 0000	62 D I
FIRST TRACK DAT	0000		RESERVED	00	
FAMILY OR PACK NAME	PFGL 017534 16172303142310	NOSCLSH9 A	ERROR STATUS	00	
DEVICE NUMBER	44		MACHINE ID	4135	
RESERVED	00		CURRENT USER COUNT DAF	0004	
REL UNIT MULTIUNIT DEV	0		NEXT EQUIPMENT	00	
NUM UNIT MULTIUNIT DEV	1		ORIGINAL NUMBER UNITS	1	
USER NUM PRIVATE PACK	PUGL 017535 00000000000000	APT	LOCAL STATUS	1	
DEVICE MASKS	012024		REDEF IN PROG/NULL EQ	DOLL 017546 0	A DC
FLAGS AND DAT INDEX	MDGL 017536 1000	H 88DI GF	RESERVED	0	
FT-HT FLAG */# SECTOR LIMIT	4343		NUMBER PHYSICAL UNITS - 1	01	
DRIVER NAME	0411		EQUIPMENT UNIT LIST	0000000000000403	
0 RESERVED FOR PPR USE	0000		LOCAL INSTAL AREA	ISLL 017547 000000000000000000	
SECTOR LIMIT	0706				
RESERVED	R1GL 017537 00000000000000000000				
GLOBAL INSTAL AREA	ISGL 017540 00000000000000000000				
	I2GL 017541 00000000000000000000				
ACTIVITY COUNT	DALL 017542 0000	F			
UNIT INTERLOCKS	0000				
CURRENT POSITION	6506				
NEXT BEST POSITION	7777				
RESERVED	0000				

TRACK RESERVATION TABLE

017550 +0000	4001 4002 4003 4005 4017	1--- ---- 1111	5A5B5C5E50
017551 +0004	3777 4006 4007 4010 0017	---- ---- 1111	4 5F5G5H 0
017552 +0010	4011 4012 4013 4014 0017	---- ---- 1111	5I5J5K5L 0
017553 +0014	4015 4016 4017 4020 0017	---- ---- 1111	5M5N5O5P 0
017554 +0020	4021 4022 4023 4024 0017	---- ---- 1111	5Q5R5S5T 0
017555 +0024	4025 4026 4027 4030 0017	---- ---- 1111	5U5V5W5X 0
017556 +0030	4031 4032 4033 4034 0017	---- ---- 1111	5Y5Z5051 0
017557 +0034	4035 4036 4037 4040 0017	---- ---- 1111	52535455 0
017560 +0040	4041 4042 0000 4073 0417	----1 ---- 1111	5657 5 00
017561 +0044	0227 0005 4047 4050 7017	111- ---- 1111	8W 5E*5/ 0
017562 +0050	0576 0047 0054 0101 3417	-111 ---- 1111	E * =AA10
017563 +0054	0102 0437 0131 0125 7417	1111 ---- 1111	ABD4AYAU 0
017564 +0060	0005 0077 4063 0005 7017	111- ---- 1111	E 5 E 0
017565 +0064	0052 0021 0133 0116 7417	1111 ---- 1111	) QAOAN 0
017566 +0070	4071 4072 0145 4241 4017	1--- ---- 1111	5 5 A+7650

RA = MST,6,7,11,12,13,14. EXPRESS 11  
000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

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NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

017567	+0074	0250	4076	4077	4100	6017	11--	----	1111	8/5 5 6 0
017570	+0100	0010	0324	0126	0134	3417	-111	----	1111	HCTAVA110
017571	+0104	4105	4106	4107	4110	4017	1---	----	1111	6E6F6G6H50
017572	+0110	0464	4112	4113	4114	2017	-1---	----	1111	D 6J6K6LPO
017573	+0114	4115	4116	4117	4120	0017	----	----	1111	6M6N6O6P 0
017574	+0120	0620	0031	0457	0002	3417	-111	----	1111	FP YD. 810
017575	+0124	0457	0335	0134	0006	7417	1111	----	1111	D.C2A1 F 0
017576	+0130	0325	0256	0457	0335	7417	1111	----	1111	CUB,0.C2 0
017577	+0134	4135	4136	4137	4140	4017	1---	----	1111	6263646550
017600	+0140	0464	4142	4143	4144	2017	-1---	----	1111	D 676869PO
017601	+0144	4145	0464	4147	4150	1017	--1-	----	1111	6+D 6*6/HO
017602	+0150	4151	4152	0464	0005	0417	----1	----	1111	6(6)D EDO
017603	+0154	4155	4156	4157	4160	4017	1---	----	1111	6 6,6.6 50
017604	+0160	0464	4162	4163	4164	2017	-1---	----	1111	D 6 6 6 PO
017605	+0164	4165	0464	3777	4170	0417	----1	----	1111	6 D 4 6 DO
017606	+0170	4171	4172	4173	0464	0017	----	----	1111	6 6 6 0 0
017607	+0174	0011	4176	4177	4200	6017	11---	----	1111	I6 6 7 0
017610	+0200	4201	4202	4203	4204	0017	----	----	1111	7A7B7C7D 0
017611	+0204	4205	4206	4207	4210	0017	----	----	1111	7E7F7G7H 0
017612	+0210	4211	4212	4215	3777	0017	----	----	1111	7I7J7M4 0
017613	+0214	3777	0244	3777	3777	0017	----	----	1111	4 894 4 0
017614	+0220	3777	3777	3777	0002	0417	----1	----	1111	4 4 4 800
017615	+0224	4225	4226	4227	4230	4017	1---	----	1111	7U7V7W7X50
017616	+0230	4231	4232	4233	4234	0017	----	----	1111	7Y7Z7071 0
017617	+0234	4235	0236	0303	0005	1417	--11	----	1111	72B3CC ELO
017620	+0240	0106	4326	4243	0403	5017	1-1-	----	1111	AF8V78DC/0
017621	+0244	4245	0255	4247	4250	5017	1-1-	----	1111	7+8 7+7//0
017622	+0250	4251	4252	4253	4254	0017	----	----	1111	7(7)757- 0
017623	+0254	4255	4257	3777	4260	0017	----	----	1111	7 7.4 7 0
017624	+0260	4261	4262	4263	4264	0017	----	----	1111	7 7 7 7 0
017625	+0264	4265	4266	4267	4270	0017	----	----	1111	7 7 7 7 0
017626	+0270	4271	0143	4320	4274	1417	--11	----	1111	7 A88P7 LO
017627	+0274	0403	0131	0116	0454	3417	-111	----	1111	DCAYAND=10
017630	+0300	0127	0166	0072	0127	7417	1111	----	1111	AWA AW 0
017631	+0304	0071	4306	0034	0526	6417	11-1	----	1111	8F 1EV 0
017632	+0310	0115	0130	0506	0161	7417	1111	----	1111	AMAXEFA 0
017633	+0314	4315	4316	0136	0065	4417	1--1	----	1111	8M8NA3 90
017634	+0320	4325	0002	0266	0007	3417	-111	----	1111	8U 8B 810
017635	+0324	0017	0620	4344	4330	4417	1--1	----	1111	QFP898X90
017636	+0330	0357	0130	0000	0506	2415	-1-1	----	11-1	C.AX EFTM
017637	+0334	0100	0006	0462	0000	7016	111-	----	111-	A FD N
017640	+0340	0151	0000	0000	0000	4010	1---	----	1---	AI 5H
017641	+0344	4351	0166	0573	0106	3417	-111	----	1111	8(A E AF10
017642	+0350	0125	4376	0166	0057	5417	1-11	----	1111	AUR A .=0
017643	+0354	0103	4356	4357	4360	6017	11--	----	1111	AC8,8.8 0
017644	+0360	4361	0322	0155	0047	1417	--11	----	1111	8 CRA *LO
017645	+0364	0001	0034	0170	0133	7417	1111	----	1111	A 1A AO 0
017646	+0370	0073	3777	0120	0154	5417	1-11	----	1111	4 APA==0
017647	+0374	0001	0266	4525	0214	6417	11-1	----	1111	AB +URL 0
017650	+0400	0002	0002	0002	0102	7417	1111	----	1111	B B BAB 0
017651	+0404	0155	0002	0002	0002	7417	1111	----	1111	A B B B 0
017652	+0410	0002	0114	0002	0117	7417	1111	----	1111	BAL BAO 0
017653	+0414	0007	0004	0003	0002	7417	1111	----	1111	G D C B 0
017654	+0420	0002	0214	4423	4424	7017	111-	----	1111	BRL9S9T 0
017655	+0424	0165	0001	0001	0002	3417	-111	----	1111	A A A 810
017656	+0430	0002	0007	4433	4434	7017	111-	----	1111	B G9091 0
017657	+0434	4435	4436	4437	4440	0017	----	----	1111	92939495 0

017660 +0440 4441 4442 4443 4444 0017 ---- 1111 96979899 0  
017661 +0444 4445 4446 4447 4450 0017 ---- 1111 9+9-9\*9/ 0  
017662 +0450 4451 4452 4453 4454 0017 ---- 1111 9(9)9\*9= 0  
017663 +0454 0111 0230 0172 4460 3417 -111 ---- 1111 AIBXA 9 10  
017664 +0460 0275 0265 3777 0163 2417 -1-1 ---- 1111 B B 4 A TO  
017665 +0464 4465 4466 4467 0130 4017 1---- 1111 9 9 9 AX50  
017666 +0470 0167 4507 0222 0343 5417 1-11 ---- 1111 A \*GBRC8=0  
017667 +0474 4505 0262 6673 4471 3417 -111 ---- 1111 +EB 9 10  
017670 +0500 4774 4474 0173 6644 7417 1111 ---- 1111 \* 9 A 9 0  
017671 +0504 0174 4506 4511 4512 4017 1---- 1111 A \*F+I+J50  
017672 +0510 6065 4513 4701 4514 4017 1---- 1111 +K\*A+L50  
017673 +0514 4515 4700 0164 4522 1017 --1- ---- 1111 +M\* A +RHQ  
017674 +0520 0214 0140 5104 0004 6417 11-1 ---- 1111 BLA5(D D 0  
017675 +0524 0033 4640 0433 0273 5417 1-11 ---- 1111 0-500B =0  
017676 +0530 4531 4532 4533 0130 4017 1---- 1111 +Y+Z+OAX50  
017677 +0534 0256 0120 0374 0373 7417 1111 ---- 1111 B,APC C 0  
017700 +0540 4541 4542 4543 4544 4017 1---- 1111 +6+7+8+950  
017701 +0544 4545 4546 4550 3777 0017 ---- 1111 +++-+/4 0  
017702 +0550 0351 0270 4553 0403 3017 -11- ---- 1111 C(8 +\$DCX0  
017703 +0554 0104 0242 4557 4560 7017 111- ---- 1111 ADB7+.+ 0  
017704 +0560 0343 0450 0162 0027 3417 -111 ---- 1111 C8D/A W10  
017705 +0564 4565 4566 4567 4570 4017 1---- 1111 + + + + 50  
017706 +0570 4571 4572 4573 4574 0017 ---- 1111 + + + + 0  
017707 +0574 4575 4576 4577 4600 0017 ---- 1111 + + + - 0  
017710 +0600 4601 4602 4603 4604 0017 ---- 1111 -A-B-C-D 0  
017711 +0604 4605 4606 4607 4610 0017 ---- 1111 -E-F-G-H 0  
017712 +0610 4611 4612 4613 4614 0017 ---- 1111 -I-J-K-L 0  
017713 +0614 4615 4616 4617 4620 0017 ---- 1111 -M-N-O-P 0  
017714 +0620 0424 0400 0050 0016 3017 -11- ---- 1111 DTO / NX0  
017715 +0624 0016 4642 4627 4630 1017 --1- ---- 1111 N-7-W-XHO  
017716 +0630 0546 0055 0020 0023 3417 -111 ---- 1111 E- P S10  
017717 +0634 0034 0016 0033 0032 7417 1111 ---- 1111 1 N O Z 0  
017720 +0640 5030 0046 4517 0224 2417 -1-1 ---- 1111 /X -+0BTTO  
017721 +0644 0026 0033 3777 0021 6417 11-1 ---- 1111 V 04 Q 0  
017722 +0650 0041 0241 0024 0016 7417 1111 ---- 1111 686 T N 0  
017723 +0654 4655 4656 4657 4660 4017 1---- 1111 - -,.- 50  
017724 +0660 4661 4662 0640 0044 0417 ---1 ---- 1111 - - F5 900  
017725 +0664 0021 0015 0016 0001 7417 1111 ---- 1111 Q M N A 0  
017726 +0670 0666 0536 0337 0001 7417 1111 ---- 1111 F E3C4 A 0  
017727 +0674 3777 0062 0110 0104 3417 -111 ---- 1111 4 AHAD10  
017730 +0700 4734 4746 0703 4704 1417 --11 ---- 1111 \*L\*-GC\*DL0  
017731 +0704 0234 0001 0104 0364 3417 -111 ---- 1111 B1 AADC 10  
017732 +0710 0173 0434 0412 0204 7417 1111 ---- 1111 A D1DJBD 0  
017733 +0714 0001 4716 4717 4720 6017 11-- ---- 1111 A\*N\*0\*P 0  
017734 +0720 0063 4722 4723 0415 2017 -1-- ---- 1111 \*R\*SDMPO  
017735 +0724 0102 0276 4727 4730 5017 1-1- ---- 1111 ABB \*W\*X/O  
017736 +0730 4731 4732 0244 0045 0417 ---1 ---- 1111 \*Y\*ZB9 +D0  
017737 +0734 4735 4750 4737 4740 1017 --1- ---- 1111 \*2+/\*4\*5HO  
017740 +0740 4742 3777 0063 3777 0017 ---- 1111 \*74 4 0  
017741 +0744 0105 0011 4762 5077 6417 11-1 ---- 1111 AE I\* / 0  
017742 +0750 0663 0337 4761 4771 3417 -111 ---- 1111 F C4\* \* 10  
017743 +0754 0021 5064 0354 3777 5017 1-1- ---- 1111 Q/ C=4 /0  
017744 +0760 5150 5124 5027 5011 4017 1---- 1111 (/ (T/W/150  
017745 +0764 0045 0572 0240 5214 7017 111- ---- 1111 +E B5)L 0  
017746 +0770 4777 5230 5640 0670 0417 ---1 ---- 1111 \* )X,5F 00  
017747 +0774 5002 0312 3777 0472 2017 -1-- ---- 1111 /RCJ4 D PO  
017750 +1000 3777 5231 5101 5005 0417 ---1 ---- 1111 4 )Y(A/ED0



RA = MST,6,7,11,12,13,14. EXPRESS 11  
 0000000 CM 16.23.30. 79/08/17. (35) CYBER 174 S/N 620 CLSH.

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 NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

017751	+1004	0001	5006	5007	0063	4017	1---	----	1111	A/F/G 50
017752	+1010	0127	5023	0004	0003	5417	1-11	----	1111	AW/S D C=0
017753	+1014	5015	5016	5017	0140	4017	1---	----	1111	/M/N/OA550
017754	+1020	0005	0345	0256	4755	7017	111-	----	1111	EC+B,* 0
017755	+1024	0137	0031	5126	5031	6017	11--	----	1111	A4 Y(V/Y 0
017756	+1030	5172	5035	0556	0005	1417	--11	----	1111	( /2E, ELO
017757	+1034	0022	0064	0622	0262	5417	1-11	----	1111	R FRB =0
017760	+1040	0145	0177	5043	5044	7017	111-	----	1111	A+A /8/9 0
017761	+1044	5045	0063	5047	5050	1017	--1-	----	1111	/+ /*//HO
017762	+1050	5051	5052	0314	0011	0417	---1	----	1111	/(/)CL ID0
017763	+1054	0011	0010	0043	5060	7017	111-	----	1111	I H 8/ 0
017764	+1060	5062	0437	0606	0573	2417	-1-1	----	1111	/ D4FFE TU
017765	+1064	5111	6061	0061	5074	1417	--11	----	1111	(I / LO
017766	+1070	0302	0175	0176	0252	7017	111-	----	1111	CBA A B) 0
017767	+1074	5100	0332	0255	0045	3017	-11-	----	1111	( CZB +XO
017770	+1100	5112	5152	0001	0125	1417	--11	----	1111	(J() AAULO
017771	+1104	4763	0664	0377	0230	3417	-111	----	1111	* F C BX10
017772	+1110	0007	5240	5655	5115	4417	1--1	----	1111	G)5, (M90
017773	+1114	0103	5131	5130	5120	5417	1-11	----	1111	AC(Y(X(P=0
017774	+1120	5637	0117	0103	5140	3417	-111	----	1111	,4AOAC(510
017775	+1124	0500	0373	5200	0110	2417	-1-1	----	1111	E C ) AHT0
017776	+1130	5132	0445	5133	5134	0017	----	----	1111	(ZD+(O(1 0
017777	+1134	0563	0054	5137	0201	3017	-11-	----	1111	E =(4BAX0
020000	+1140	5147	0075	0535	0325	3417	-111	----	1111	(+ E2CU10
020001	+1144	5154	0030	5153	0500	7017	111-	----	1111	(= X(1E 0
020002	+1150	5151	0646	5216	0364	0017	----	----	1111	((F-)NC 0
020003	+1154	5155	5156	5162	0112	0417	----	----	1111	( (,( AJDO
020004	+1160	0007	0013	5026	0557	6417	11-1	----	1111	G K/VE. 0
020005	+1164	0151	0002	0000	0021	6415	11-1	----	11-1	A( B Q M
020006	+1170	0022	0042	5257	0675	6417	11-1	----	1111	R 7).F 0
020007	+1174	0003	0061	0302	0022	7417	1111	----	1111	C CB R 0
020010	+1200	0150	0622	0353	0103	3417	-111	----	1111	A/FRCSAC10
020011	+1204	0266	0007	0112	5704	7417	1111	----	1111	B GAJ.D 0
020012	+1210	0130	0103	7114	0020	7417	1111	----	1111	AXAC L P 0
020013	+1214	6071	0062	5227	0175	2417	-1-1	----	1111	)WA TO
020014	+1220	0176	0332	0255	5224	7417	1111	----	1111	A CZB )T 0
020015	+1224	5225	5226	0613	0034	0017	----	----	1111	)U)VEK 1 0
020016	+1230	0646	6064	0450	5057	1417	--11	----	1111	F- D//.LO
020017	+1234	0002	0366	0130	6730	5417	1-11	----	1111	9C AX X=0
020020	+1240	5243	0001	0344	5244	3017	-11-	----	1111	)8 AC9)9X0
020021	+1244	5245	5663	5247	0311	1017	--1-	----	1111	)+, )*CIHO
020022	+1250	0666	5252	0300	0226	6417	11-1	----	1111	F )IC BV 0
020023	+1254	5255	0226	5507	5423	1017	--1-	----	1111	) BV G=SH0
020024	+1260	0260	0356	5263	5264	7017	111-	----	1111	B C,) ) 0
020025	+1264	5265	5266	5267	5270	0017	----	----	1111	) ) ) ) 0
020026	+1270	5271	5272	5273	0236	0017	----	----	1111	) ) ) B3 0
020027	+1274	0003	0004	5277	5300	7017	111-	----	1111	C D) \$ 0
020030	+1300	5301	5302	0464	0356	0417	----	----	1111	\$A\$BD C,00
020031	+1304	5305	5306	5307	5310	4017	1---	----	1111	\$E\$F\$G\$H50
020032	+1310	0464	5312	5313	5314	2017	-1--	----	1111	D \$J\$K\$LP0
020033	+1314	5315	0464	0035	0035	1417	--11	----	1111	\$MO 2 2LO
020034	+1320	0066	0020	0110	5324	7417	1111	----	1111	PAH\$T 0
020035	+1324	0614	0005	0004	0011	3417	-111	----	1111	FL E D I10
020036	+1330	5331	0614	0302	0067	5417	1-11	----	1111	\$YFLCB =0
020037	+1334	0215	0056	5347	0002	7417	1111	----	1111	BM , \$* B 0
020040	+1340	5341	0354	5343	5344	5017	1-1-	----	1111	\$6C=\$8\$9/0
020041	+1344	5345	5346	0665	5351	0017	----	----	1111	\$+ \$-F \$( 0

020042	+1350	6616	0014	0302	5354	1417	--11	----	1111	N LCB\$=L0
020043	+1354	0614	5356	5357	5360	2017	-1--	----	1111	FL\$,\$. \$ PU
020044	+1360	5361	5362	5364	3777	0017	----	----	1111	\$ \$ \$ 4 0
020045	+1364	5365	5366	5367	5370	0017	----	----	1111	\$ \$ \$ \$ 0
020046	+1370	0471	5372	5373	5374	2017	-1--	----	1111	D \$ \$ \$ PO
020047	+1374	5375	0665	5377	0654	1017	--1-	----	1111	\$ F \$ F=HQ
020050	+1400	0530	5402	0052	5404	6417	11-1	----	1111	EX=B J=0 0
020051	+1404	0354	0006	5407	5410	3017	-11-	----	1111	C= F=G=HXO
020052	+1410	5411	5412	5413	5414	0017	----	----	1111	=I=J=K=L 0
020053	+1414	5415	5416	5417	5420	0017	----	----	1111	=M=N=O=P 0
020054	+1420	0112	0011	0216	5510	3017	-11-	----	1111	AJ IBN HXO
020055	+1424	0331	0043	5427	0232	7017	111-	----	1111	CY 8=WBZ 0
020056	+1430	5431	5432	5433	5434	4017	1----	----	1111	=Y=Z=0=150
020057	+1434	5435	5436	5437	5440	0017	----	----	1111	=2=3=4=5 0
020060	+1440	5441	5442	5443	5444	0017	----	----	1111	=6=7=8=9 0
020061	+1444	5445	5446	0437	0043	0417	---1	----	1111	=+--D4 8D0
020062	+1450	5451	5452	5453	5454	4017	1----	----	1111	=(=)= \$ =50
020063	+1454	0342	0114	5457	5460	3017	-11-	----	1111	C7AL =. = XO
020064	+1460	0323	5462	5463	5464	2017	-1--	----	1111	CS = = = PO
020065	+1464	5465	5466	5467	5470	0017	----	----	1111	= = = = 0
020066	+1470	5471	5472	5473	5474	0017	----	----	1111	= = = = 0
020067	+1474	5475	5476	5477	5500	0017	----	----	1111	= = = = 0
020070	+1500	5501	5502	5503	5504	0017	----	----	1111	A B C D 0
020071	+1504	0570	5506	0233	0405	2017	-1--	----	1111	E F80DEPO
020072	+1510	5537	5512	0234	5514	2417	-1-1	----	1111	4 J81 LTO
020073	+1514	0145	0102	0103	5520	3417	-111	----	1111	A+ABAC P10
020074	+1520	0146	5522	0150	0105	2417	-1-1	----	1111	A- RA/AETO
020075	+1524	0203	0177	0102	5530	7417	1111	----	1111	BCA AB X 0
020076	+1530	0241	0106	0111	0112	3417	-111	----	1111	B6AFAIAJ10
020077	+1534	0330	5536	0151	5540	6017	11--	----	1111	CX 3A( 5 0
020100	+1540	5541	5626	0174	0026	1417	--11	----	1111	6,VA VLO
020101	+1544	5545	5546	5550	3777	4017	1----	----	1111	+ - /4 50
020102	+1550	5551	5552	5553	5554	0017	----	----	1111	( ) \$ = 0
020103	+1554	0416	3777	5557	5560	1017	--1-	----	1111	DN4 . HO
020104	+1560	5561	5562	5563	5564	0017	----	----	1111	0
020105	+1564	5565	0416	5567	5570	1017	--1-	----	1111	DN HO
020106	+1570	5571	5572	5573	5574	0017	----	----	1111	0
020107	+1574	5575	5576	5577	5600	0017	----	----	1111	, 0
020110	+1600	5601	5602	5603	5604	0017	----	----	1111	,A,B,C,D 0
020111	+1604	5605	0022	5607	5610	1017	--1-	----	1111	,E R,G,HHQ
020112	+1610	5611	5612	5613	5614	0017	----	----	1111	,I,J,K,L 0
020113	+1614	5615	5616	5617	5620	0017	----	----	1111	,M,N,O,P 0
020114	+1620	5621	5622	5623	5624	0017	----	----	1111	,Q,R,S,T 0
020115	+1624	5625	0022	6021	0002	0417	---1	----	1111	,U R 0 B00
020116	+1630	5631	5632	5633	5634	4017	1----	----	1111	,Y,Z,0,150
020117	+1634	5635	0062	0265	5656	1017	--1-	----	1111	,2 B ,HO
020120	+1640	6624	0112	4725	0000	3016	-11-	----	111-	TAJ*U XN
020121	+1644	5645	5646	5647	5650	4017	1----	----	1111	,+,-,*,/50
020122	+1650	5651	5652	5653	5654	0017	----	----	1111	,(,),\$,= 0
020123	+1654	0011	0402	5657	0464	0017	----	----	1111	IDB,.D 0
020124	+1660	5661	5662	5664	5660	0017	----	----	1111	, , , , 0
020125	+1664	5677	0151	5667	5670	3017	-11-	----	1111	, A( , , XO
020126	+1670	5671	5672	5673	0275	0017	----	----	1111	, , , B 0
020127	+1674	0071	0626	0000	5700	6015	11--	----	11-1	FV . M
020130	+1700	5073	0133	0000	3777	2015	-1--	----	11-1	/ AO 4 PM
020131	+1704	0225	0000	0000	0000	0010	----	----	1----	BU H
020132	+1710	5711	5712	5713	5714	4017	1----	----	1111	.I.J.K.L50

020133 +1714 5715 5716 5717 5720 0017 ---- ---- 1111 .M.N.O.P O  
 020134 +1720 5721 5722 5723 5724 0017 ---- ---- 1111 .Q.R.S.T O  
 020135 +1724 5725 5726 5727 5730 0017 ---- ---- 1111 .U.V.W.X O  
 020136 +1730 5731 5732 5733 5735 0017 ---- ---- 1111 .Y.Z.O.2 O  
 020137 +1734 3777 5736 5737 5740 0017 ---- ---- 1111 4 .3.4.5 O  
 020140 +1740 5741 5742 5743 5744 0017 ---- ---- 1111 .6.7.8.9 O  
 020141 +1744 5745 5746 5747 5750 0017 ---- ---- 1111 .+.-.+. / O  
 020142 +1750 5751 5752 5753 5754 0017 ---- ---- 1111 .(.).\$.= O  
 020143 +1754 5755 5756 5757 5760 0017 ---- ---- 1111 . . . . . O  
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 020145 +1764 5765 5766 5767 5770 0017 ---- ---- 1111 . . . . . O  
 020146 +1770 0135 0000 0302 0565 1413 --11 ---- 1-11 A2 CBE LK  
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 020150 +2000 6001 6002 6004 3777 0017 ---- ---- 1111 A B D4 O  
 020151 +2004 6005 6006 6007 0327 0017 ---- ---- 1111 E F GCW O  
 020152 +2010 6011 0176 0317 0204 5417 1-11 ---- 1111 IA COBD=O  
 020153 +2014 0000 0524 6017 6020 3007 -11- ---- -111 ET O PXG  
 020154 +2020 0153 6033 0222 0245 1417 --11 ---- 1111 A\$ OBRB+LO  
 020155 +2024 0111 0024 0637 0001 7417 1111 ---- 1111 AI TF4 A O  
 020156 +2030 0112 0162 0000 6050 6015 11-- ---- 11-1 AJA / M  
 020157 +2034 0045 0000 0000 0000 4010 1--- ---- 1--- \* 5H  
 020160 +2040 0000 0000 0000 0000 0000 ---- ---- ----

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 020162 +2050 6056 0000 0315 0103 1413 --11 ---- 1-11 , CMACLK  
 020163 +2054 0111 0000 6131 3777 4013 1--- ---- 1-11 AI Y4 5K  
 020164 +2060 0014 6446 0000 0000 4014 1--- ---- 11-- L - 5L  
 020165 +2064 6651 5001 0000 0000 0014 ---- ---- 11-- (/A L  
 020166 +2070 0016 0572 0000 0000 4014 1--- ---- 11-- NE 5L  
 020167 +2074 0035 0326 0040 0004 7417 1111 ---- 1111 2CV 5 D O  
 020170 +2100 0004 0000 0040 0005 5413 1-11 ---- 1-11 D 5 E=K  
 020171 +2104 0036 0054 4623 0036 7417 1111 ---- 1111 3 --S 3 O  
 020172 +2110 4624 0054 0000 0000 6014 11-- ---- 11-- -T = L  
 020173 +2114 0000 0000 0000 0000 0000 ---- ---- ----  
 020174 +2120 0000 0000 0027 0033 1403 --11 ---- --11 H OLC  
 020175 +2124 0337 0021 0000 0000 6014 11-- ---- 11-- C4 Q L  
 020176 +2130 0141 6164 0123 6134 5417 1-11 ---- 1111 A6 AS 1=O  
 020177 +2134 0154 6136 6137 0205 2017 -1-- ---- 1111 A= 3 4BEPO  
 020200 +2140 0202 0122 0346 0045 7417 1111 ---- 1111 BBARC- + O  
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 020210 +2200 6201 6202 6203 6204 0017 ---- ---- 1111 A B C D O  
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 020213 +2214 6215 6216 0463 0012 0417 ----1 ---- 1111 M ND JDD  
 020214 +2220 0040 0020 0123 0557 7417 1111 ---- 1111 5 PASE. O  
 020215 +2224 0005 0277 0053 0036 7417 1111 ---- 1111 EB \$ 3 O  
 020216 +2230 0046 0433 0005 0011 7417 1111 ---- 1111 -DO E I O  
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 020220 +2240 0040 0044 0014 0013 7417 1111 ---- 1111 5 9 L K O  
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020224	+2260	0014	0012	0005	0021	7417	1111	----	1111	L J E Q D
020225	+2264	0137	6266	0530	6320	6017	11--	----	1111	A4 EX P O
020226	+2270	0141	0201	0175	0065	7417	1111	----	1111	A6BAA O
020227	+2274	6275	6276	0171	0370	4417	1--1	----	1111	A C 90
020230	+2300	0001	0111	0514	6304	7417	1111	----	1111	AAIEL D O
020231	+2304	0253	0122	0000	3777	2015	-1--	----	11-1	B1AR 4 PM
020232	+2310	0000	0205	6313	6314	3007	-11-	----	-111	BE K LXG
020233	+2314	6315	0070	6317	0132	1017	--1-	----	1111	M OAZHO
020234	+2320	6345	0267	0020	0000	3016	-11-	----	111-	+B P XN
020235	+2324	0000	0000	0000	0120	0401	----	----	----	APDA
020236	+2330	0551	0302	0532	0505	7417	1111	----	1111	E(CBEZEE O
020237	+2334	0000	6336	0154	0056	2407	-1-1	----	-111	3A- ,TG
020240	+2340	0266	0131	0000	0002	6415	11-1	----	11-1	B AY B M
020241	+2344	0112	6375	0000	5254	4415	1--1	----	11-1	AJ )-9M
020242	+2350	0000	0000	6353	6354	1003	--1-	----	--11	\$ =HC
020243	+2354	0145	6356	6357	6361	2017	-1--	----	1111	A+ , . PO
020244	+2360	3777	6362	6363	6364	0017	----	----	1111	4 O
020245	+2364	6365	6366	6367	0311	0017	----	----	1111	CI O
020246	+2370	6371	6372	0133	0476	4417	1--1	----	1111	A00 90
020247	+2374	0000	6427	0131	6400	1407	--11	----	-111	WAY LG
020250	+2400	6401	6402	6403	6404	0017	----	----	1111	A B C D O
020251	+2404	0347	0102	0465	0044	3417	-111	----	1111	C*ABD 910
020252	+2410	0102	0160	0101	0066	7417	1111	----	1111	ABA AA O
020253	+2414	3777	0064	0041	0210	3417	-111	----	1111	4 6BH10
020254	+2420	6421	0200	6423	6424	5017	1-1-	----	1111	QB S T/O
020255	+2424	0670	6426	0372	6465	2017	-1--	----	1111	F VC PO
020256	+2430	6431	0564	6433	6434	5017	1-1-	----	1111	YE O 1/O
020257	+2434	6435	6436	6437	0347	0017	----	----	1111	2 3 4C* O
020260	+2440	6441	0316	0000	0000	4014	1----	----	11--	6CN 5L
020261	+2444	4767	0000	6653	0000	4012	1----	----	1-1-	* \$ 5J
020262	+2450	0071	0001	0177	0001	7417	1111	----	1111	AA A O
020263	+2454	0011	0107	0000	0000	6014	11--	----	11--	IAG L
020264	+2460	0000	0000	0000	0000	0000	----	----	----	
020265	+2464	0000	6506	0375	6470	1407	--11	----	-111	FC LG
020266	+2470	6471	6472	0422	6474	0417	----	----	1111	DR DO
020267	+2474	6475	0205	6477	6500	1017	--1-	----	1111	BE HO
020270	+2500	0012	0366	0345	0366	3417	-111	----	1111	JC C+C 10
020271	+2504	0346	0345	6610	0020	6417	11-1	----	1111	C-C+ H P O
020272	+2510	0004	0040	0014	0002	7417	1111	----	1111	D 5 L B O
020273	+2514	0162	6516	0160	0003	6417	11-1	----	1111	A NA C O
020274	+2520	6521	0625	0161	0001	5417	1-11	----	1111	QFUA A=O
020275	+2524	0011	0011	0410	0002	7417	1111	----	1111	I IDH B O
020276	+2530	0015	0102	6533	0317	7017	111-	----	1111	MAB OCO O
020277	+2534	0027	0007	0007	0003	7417	1111	----	1111	W G G C O
020300	+2540	0003	0015	0015	0015	7417	1111	----	1111	C M M M O
020301	+2544	0015	6546	0157	6550	6417	11-1	----	1111	M -A. / O
020302	+2550	0270	6552	6553	0061	2017	-1--	----	1111	B ) \$ PO
020303	+2554	0027	3777	6557	0321	5017	1-1-	----	1111	W4 .CO/O
020304	+2560	0642	0645	0001	6564	7417	1111	----	1111	F7F+ A O
020305	+2564	6567	3777	3777	0063	0017	----	----	1111	4 4 O
020306	+2570	3777	0001	0001	0001	3417	-111	----	1111	4 A A A10
020307	+2574	0001	0001	0001	0000	7016	111-	----	111-	A A A N
020310	+2600	0035	0055	0151	0000	7016	111-	----	111-	2 A1 N
020311	+2604	0001	0001	0001	0246	7417	1111	----	1111	A A AB- O
020312	+2610	6635	0364	0463	0165	3417	-111	----	1111	2C D A 10
020313	+2614	0001	6620	4625	0027	6417	11-1	----	1111	A P-U W O
020314	+2620	0016	0000	0000	4770	0411	----	----	1--1	N + DI

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 NOS 1-8J03T/R2B. NOS 1.4 STUDY DUMP - MASS STORAGE

020315	+2624	6647	0000	0022	0142	1413	--11	----	1-11	*	RA7LK
020316	+2630	0000	0115	0113	0516	3407	-111	----	-111		AMAKENIG
020317	+2634	0000	6654	0331	0352	1407	--11	----	-111		=CYCJLG
020320	+2640	0000	0000	0000	0015	0401	----	----	----		MDA
020321	+2644	5065	0260	0000	6671	0015	----	----	11-1	/ B	M
020322	+2650	0000	6670	0000	6645	0005	----	----	-1-1		+ E
020323	+2654	6660	0105	0151	0432	3417	-111	----	1111		AEA(DZ10
020324	+2660	6662	0421	6663	5350	2017	-1--	----	1111		DQ \$/PO
020325	+2664	0000	0000	0000	0042	0401	----	----	----		7DA
020326	+2670	0301	0031	0000	4772	0015	----	----	11-1	CA Y	* M
020327	+2674	0000	0000	0000	0000	0000	----	----	----		
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020332	+2710	0000	3777	0000	0000	0004	----	----	-1--	4	D
020333	+2714	0000	0000	0000	0000	0000	----	----	----		
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020336	+2730	5235	0000	0000	0000	0010	----	----	1---	12	H
020337	+2734	0000	0000	0000	0000	0000	----	----	----		
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020351	+3004	0000	0000	3777	0000	0002	----	----	--1-	4	B
020352	+3010	0000	0000	0000	0000	0000	----	----	----		
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020363	+3054	0000	0000	0000	3777	0001	----	----	----1	4	A
020364	+3060	0000	0000	0000	0000	0000	----	----	----		
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020373	+3114	7115	7116	7133	0000	0016	----	----	111-	M N O	N
020374	+3120	0000	0000	0000	0000	0000	----	----	----		
020375	+3124	3777	0000	0000	0000	0010	----	----	1---	4	H
020376	+3130	0000	0000	0000	7134	0001	----	----	----		1 A
020377	+3134	7142	0000	0000	0000	0010	----	----	1---	7	H
020400	+3140	0000	0000	7144	0000	0002	----	----	--1-	9	B
020401	+3144	0263	0000	0000	0000	0010	----	----	1---	8	H

OVJ

## EVALUATION FORM

Course/Seminar Name \_\_\_\_\_ Date of Attendance From \_\_\_\_\_ To \_\_\_\_\_

Instructor \_\_\_\_\_ Location \_\_\_\_\_

Please place a rating in the box for each area and then add comments explaining your rating.

### *Rating Key*

<i>Excellent</i>	5
<i>Very Good</i>	4
<i>Good</i>	3
<i>Fair</i>	2
<i>Poor</i>	1

### **The Course/Seminar**

- \* How well did the course/seminar cover the stated objectives?
- \* To what degree will the course/seminar be helpful in improving on-the-job performance?
- \* To what extent were the handout materials and visuals helpful in aiding your understanding of the topic?
- \* What is your overall rating of the organization and content of the course/seminar?

### **The Instructor**

- \* How do you rate the instructor's knowledge of the material and ability to answer questions?
- \* How effective was the instructor in presenting the material in an understandable manner?
- \* How effective was the instructor in generating and sustaining interest in the course/seminar?
- \* How do you rate the instructor's responsiveness to the needs of participants?
- \* What is your overall rating of the instructor?

### **The Facilities**

- \* How do you rate the appropriateness of the facilities to the topic and means of presentation?
- \* To what extent were the facilities comfortable, well-lighted and heated or cooled?
- \* How convenient was the location of the facility?

**EVALUATION FORM**

Page 2

**General Comments**

\* What changes in the course/seminar would you make if you were the instructor?

\* Would you recommend this course/seminar to others in your company or department? Why?

\* Please list colleagues or associates who should receive advance notices of similar courses/seminars.

1) Name \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Bus. Tel. No. \_\_\_\_\_

2) Name \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Bus. Tel. No. \_\_\_\_\_

3) Name \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Bus. Tel. No. \_\_\_\_\_

4) Name \_\_\_\_\_  
Organization \_\_\_\_\_  
Address \_\_\_\_\_  
\_\_\_\_\_  
Bus. Tel. No. \_\_\_\_\_

\* Should this course be offered at your company site? If so, who should be contacted to manage it?

\* If we may use your comments in future descriptions of the course/seminar, please sign below.

Signature \_\_\_\_\_

(Optional)

## PARTICIPANT INFORMATION FORM

In order for our seminars/courses to be most effective, they need to take into account the characteristics, needs and objectives of the people who attend them. The information asked for below will assist us in keeping our presentations relevant to the participants and in developing and scheduling new presentations that will meet participant needs. Please complete this form and leave it with the presenter at the next break.

Seminar/Course Title \_\_\_\_\_ Date of Presentation \_\_\_\_\_  
Name \_\_\_\_\_ Field or Type of Business \_\_\_\_\_  
Title \_\_\_\_\_ Years of Experience \_\_\_\_\_  
Business Address \_\_\_\_\_ Supervisor's Title \_\_\_\_\_  
\_\_\_\_\_ Last professional degree \_\_\_\_\_  
\_\_\_\_\_

List your three primary objectives in attending this seminar.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Will this course/seminar be credited toward certification/training requirements? \_\_\_\_\_

Rank in order of importance in your choice of this seminar session.

Instructor \_\_\_\_\_ Date \_\_\_\_\_ Location \_\_\_\_\_ Employer's Preference \_\_\_\_\_

Previous courses/seminars attended relating to this topic.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

Topics for additional courses/seminars in which you would be interested.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_



**PARTICIPANT INFORMATION FORM**

Page 2

What trade journals/magazines do you regularly read or subscribe to in order to keep abreast in your profession?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

How did you become aware of this course/seminar?

Schedule/Catalogue \_\_\_\_\_,

Direct Mail Brochure \_\_\_\_\_,

Recommendations of Supervisor \_\_\_\_\_,

Recommendation of Colleague \_\_\_\_\_,

Corporate Training Department \_\_\_\_\_,

Other \_\_\_\_\_.

# COMMENT SHEET

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PUBLICATION NO.: FH4010-1

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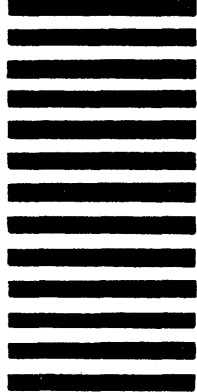


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