

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
3 COPY LOG7A28 ** MAP EC HISTORY **
4 *****
5 *
6 *
7 *** PREREQUISITES ***
8 *
9 NONE
10 *****
11 *
12 *** MODIFICATIONS ***
13 *
14 CHANGES MADE TO CORPECT ERRORS FOUND WHILE IN TEST
15 *****
16 *
17 *
18 *** REA'S INCORPORATED ***
19 *
20 NONE
21 *****
22 *
23 *
24 *** SPECIAL INSTRUCTIONS ***
25 *
26 NONE
27 *****
28 *
29 *
30 *** E. C. HISTORY ***
31 *
32 DATE 17AUG78 DATE 10JAN79 DATE DATE
33 E.C. 755391 E.C. 375222 E.C. E.C.
34 *****
35 *****
37 17A28 START X'2500' START ADDRESS OF ALL 'I' TYPE PROG
38 @QUES EQU X'0100' EQUATED VALUE FOR MDI STATEMENT
39 @FIXT EQU X'0101' EQUATED VALUE FOR MDI STATEMENT
40 @STOP EQU X'0102' EQUATED VALUE FOR MDI STATEMENT
41 @GOTO EQU X'0200' EQUATED VALUE FOR MDI STATEMENT
42 @CALL EQU X'0201' EQUATED VALUE FOR MDI STATEMENT
43 @INPT EQU X'0300' EQUATED VALUE FOR MDI STATEMENT
44 @QUXX EQU X'0400' EQUATED VALUE FOR MDI STATEMENT
45 @TUXX EQU X'0500' EQUATED VALUE FOR MDI STATEMENT
46 @NVLD EQU X'0600' EQUATED VALUE FOR MDI STATEMENT
47 EQ EQU X'0000' EQUATE FOR EQUAL
48 NE EQU X'0004' EQUATE FOR NOT EQUAL
49 HI EQU X'0008' EQUATE FOR HIGH
50 NH EQU X'000C' EQUATE FOR NOT HIGH
51 LO EQU X'0010' EQUATE FOR LOW
52 NL EQU X'0014' EQUATE FOR NOT LOW
53 LE EQU X'0018' EQUATE FOR LESS THAN
54 LT EQU X'000C' EQUATE FOR LESS THAN OR EQUAL TO
55 GE EQU X'0008' EQUATE FOR GREATER THAN
56 GT EQU X'0014' EQUATE FOR GREATER THAN OR EQUAL TO
57 ON EQU X'0200' EQUATE FOR ON
58 OF EQU X'0202' EQUATE FOR OFF
59 MX EQU X'0204' EQUATE FOR MIXED
60 EBC EQU X'0000' EQUATE FOR EBCDIC DATA TRANSFER
61 HEX EQU X'0001' EQUATE FOR HEX DATA TRANSFER
62 XTRNL EQU X'0001' EQUATE FOR EXTERNAL REFERENCE
63 INTRNL EQU X'0000' EQUATE FOR INTERNAL REFERENCE
64 PARM EQU X'0000' EQUATE INDICATING PARAMETER
65 DA EQU X'0001' EQUATE FOR DEVICE ADDRESS
66 UA EQU X'0002' EQUATE FOR UNIT ADDRESS
67 DUMMY EQU X'0000' DUMMY EQUATE
68 PID EQU *-X'0000' ADDRESS OF MDI HEADER
69 PTD EQU *-X'0000' ADDRESS OF PROCESSOR TYPE FIELD
70 PTYPE EQU *-X'22CE' *-X'22CE'
71 STEPNUM EQU PID+X'000C' ADDRESS OF DECIMAL STEP NUMBER
72 OPWD1 EQU PID+X'000F' ADDRESS OF OPTION WORD ONE
73 OPWD2 EQU PID+X'0010' ADDRESS OF OPTION WORD TWO
74 TUSTATUS EQU PID+X'0018' ADDRESS OF TU STATUS WORD
75 T UWOPK EQU PID+X'001A' ADDRESS OF TU WORK AREA
76 TUPARM1 EQU PID+X'009A' ADDRESS OF PARM 1 POINTER
77 TUPARM2 EQU PID+X'009C' ADDRESS OF PARM 2 POINTER
78 TUPARM3 EQU PID+X'009E' ADDRESS OF PARM 3 POINTER
79 TUPARM4 EQU PID+X'00A0' ADDRESS OF PARM 4 POINTER
80 TUPARM5 EQU PID+X'00A2' ADDRESS OF PARM 5 POINTER
81 TUPARM6 EQU PID+X'00A4' ADDRESS OF PARM 6 POINTER
82 TUPARM7 EQU PID+X'00A6' ADDRESS OF PARM 7 POINTER
83 TUPARM8 EQU PID+X'00A8' ADDRESS OF PARM 8 POINTER
84 TUPARM9 EQU PID+X'00AA' ADDRESS OF PARM 9 POINTER
85 TUPARM10 EQU PID+X'00AC' ADDRESS OF PARM 10 POINTER
86 TUPARM11 EQU PID+X'00AE' ADDRESS OF PARM 11 POINTER
87 TUPARM12 EQU PID+X'00B0' ADDRESS OF PARM 12 POINTER
88 TUPARM13 EQU PID+X'00B2' ADDRESS OF PARM 13 POINTER
89 TUPARM14 EQU PID+X'00B4' ADDRESS OF PARM 14 POINTER
90 TUPARM15 EQU PID+X'00B6' ADDRESS OF PARM 15 POINTER
91 TUPARM16 EQU PID+X'00B8' ADDRESS OF PARM 16 POINTER
92 TUMSGWTR EQU PID+X'00BA' ADDRESS OF -> TO COMMON MSG WRITER
93 T UUA EQU PID+X'00BE' ADDRESS OF UNIT ADDRESS IN EBC
94 TUDA EQU PID+X'00C0' ADDRESS OF DEVICE ADDRESS IN EBC
95 TUBUFF EQU PID+X'00C2' ADDRESS OF LAST USED WORD IN MAP
96 TULAST EQU PID+X'00C4' ADDRESS OF LAST ADDRESSABLE WORD
97 TURESULN EQU PID+X'00C6' ADDRESS OF LENGTH OF TU RESULTS
98 TURESUL EQU PID+X'00C8' ADDRESS OF TU RESULTS FIELD
99 MAPNAME EQU PID+X'00FC' ADDRESS OF MAP NAME FIELD IN HEX
100 TUINPT EQU PID+X'0148' ADDRESS OF SINPT DATA
101 PARMARA EQU PID+X'016E' ADDRESS OF SINPT INPUT AREA
102 @DCADD1 EQU PID+X'01B8' MDI POINTER
103 @DCADD2 EQU PID+X'01BA' MDI POINTER
104 SUPSTAT EQU PID+X'01C4' ADDRESS OF MDI STATUS
105 DEVADD EQU PID+X'01D0' ADDRESS OF DEVICE ADDRESS TABLE 0
106 DEVADD1 EQU PID+X'01DA' ADDRESS OF DEVICE ADDRESS TABLE 1
107 DEVADD2 EQU PID+X'01E4' ADDRESS OF DEVICE ADDRESS TABLE 2
108 DEVADD3 EQU PID+X'01EE' ADDRESS OF DEVICE ADDRESS TABLE 3
109 DEVADD4 EQU PID+X'01F8' ADDRESS OF DEVICE ADDRESS TABLE 4
110 DEVADD5 EQU PID+X'0202' ADDRESS OF DEVICE ADDRESS TABLE 5
111 DEVADD6 EQU PID+X'020C' ADDRESS OF DEVICE ADDRESS TABLE 6
112 DEVADD7 EQU PID+X'0216' ADDRESS OF DEVICE ADDRESS TABLE 7
113 PRINT OFF

002500
000100
000101
000102
000102
000200
000201
000300
000400
000500
000600
000000
000004
000008
00000C
000010
000014
000010
00000C
000008
000014
000200
000202
000204
000000
000001
000001
000000
000000
000001
000002
000000
001800
000232
00180C
00180E
001810
001818
00181A
00189A
00189C
00189E
0018A0
0018A2
0018A4
0018A6
0018A8
0018AA
0018AC
0018AE
0018B0
0018B2
0018B4
0018B6
0018B8
0018BA
0018BE
0018C0
0018C2
0018C4
0018C6
0018C8
0018FC
001948
00196E
00198B
00198A
0019C4
0019D0
0019DA
0019E4
0019EE
0019F8
001A02
001A0C
001A16

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
002500 309E
198 DC A(ENTPT) POINT TO MAP ENTRY POINT TABLE
199 *****
200 *****
201 *
202 *
203 THE FOLLOWING TABLES ARE USED BY THE MDI SUPERVISOR (D3C00)
204 TO LOCATE THE CORRECT RULE TO INVOKE TO OBTAIN THE PROPER
205 PARAMETERS TO PASS TO THE TUIS AND TO PASS TO THE OPERATOR
206 THE INDICATED MESSAGE(S). THERE ARE FOUR TABLES USED FOR THIS
207 PURPOSE THEY ARE:
208 *
209 STEP AND RULE ADDRESS TABLE
210 THIS TABLE GIVES THE ADDRESS OF THE RULE TO INVOKE AND
211 THE ASSOCIATED STEP DECIMAL STEP NUMBER OF THAT RULE.
212 ENTRIES ARE AS FOLLOWS
213 A) AN ADDRESS OF THE RULE DC START AREA
214 B) THE STEP NUMBER IN DECIMAL
215 C) AN EQUATE FOR THE STEP NUMBER
216 *
217 RULE INFORMATION TABLE
218 THIS TABLE CONTAINES THE REQUIRED INFORMATION TO EXECUTE
219 THE APPROPRIATE RULE UNDER MDI. EACH RULE HAS ITS OWN
220 UNIQUELY DEFINED AREA INDICATED BELOW. END OF TABLE IS
221 INDICATED WITH A X'0000' FOR THE RULE EQUATE.
222 *
223 \$QUES
224 A) RULE EQUATE X'0100'
225 B) ADDRESS OF THE YES LEG RULE
226 *
227 \$FIXT
228 A) RULE EQUATE X'0101'
229 B) ADDRESS OF MESSAGE TO PRINT
230 *
231 \$STOP
232 A) RULE EQUATE X'0102'
233 B) ADDRESS OF MESSAGE
234 *
235 \$GOTO
236 A) RULE EQUATE X'0200'
237 B) ADDRESS OF MESSAGE
238 C) NAME OF MAP TO GO TO
239 D) ENTRY POINT WITHIN GO TO MAP TO USE
240 E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
241 *
242 \$CALL
243 A) RULE EQUATE X'0201'
244 B) ADDRESS OF MESSAGE
245 C) NAME OF MAP TO CALL
246 D) ENTRY POINT WITHIN CALLED MAP TO USE
247 E) INDICATOR FOR EXTERNAL OR INTERNAL REFERENCE
248 *
249 \$INPT
250 A) RULE EQUATE X'0300'
251 B) INPUT TYPE (EBCDIC OR HEX)
252 C) ADDRESS OF YES LEG RULE
253 D) DESTINATION LOCATION OF INPUT DATA
254 E) LENGTH OF INPUT DATA
255 F) LOWER LIMIT OF GOOD DATA
256 G) HIGHER LIMIT OF GOOD DATA
257 *
258 \$QUXX
259 A) RULE EQUATE X'0400'
260 B) ADDRESS OF YES LEG RULE
261 C) TU BRANCH TO ADDRESS (INITIAL)
262 D) TU BRANCH TO ADDRESS (SECONDARY)
263 E) LENGTH OF PARAMETER IN BYTES
264 F) PARAMETER TO PASS TO TU
265 G) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
266 *
267 \$TUXX
268 A) RULE EQUATE X'0500'
269 B) ADDRESS OF YES LEG RULE
270 C) TU BRANCH TO ADDRESS
271 D) TYPE OF COMPARE TO MAKE ON RESULTS
272 E) LENGTH OF COMPARED RESULTS
273 F) MASK FIELD FOR COMPARE
274 G) LENGTH OF PARAMETER IN BYTES
275 H) PARAMETER TO PASS TO THE TU
276 I) STORE ADDRESS FOR FIRST 8 WORDS OF PARAMETER
277 *
278 \$NVLD
279 A) RULE EQUATE X'0600'
280 *
281 ENTRY POINT TABLE
282 THIS TABLE CONTAINS THE ENTRY POINTS WITHIN THE MAP THAT
283 THE MAP CAN BE ENTERED FROM THESE ENTRY POINTS ARE
284 REFERENCED BY NAME AND ADDRESS. ENTRIES ARE AS FOLLOWS:
285 *
286 A) NAME OF ENTRY POINT
287 B) ADDRESS OF ENTRY POINT RULE TABLE
288 *
289 THE ENTRY POINT TABLE END IS INDICATED BY A X'0000'
290 *
291 MESSAGE TABLE
292 THIS TABLE CONTAINES THE MESSAGE PASSED TO THE OPERATOR
293 VIA THE MDI SUPERVISOR. THE TABLE IS AS FOLLOWS:
294 *
295 A) EQUATE FOR START OF MESSAGE BLOCK
296 B) NUMBER OF LINES OF MESSAGE
297 C) LENGTH OF FOLLOWING LINE
298 D) FIRST LINE OF MESSAGE
299 E) LENGTH OF FOLLOWING LINE
300 F) SECOND LINE OF MESSAGE
301 G) ETC.
302 *
303 *****
304 *****
305 *****

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
308			*****	
309			*****	
310			**	
311			**	
312			STEP AND RULE ADDRESS TABLE	
313			**	
314			*****	
315			*****	
002502	27A0	15	DC AL2(N00001)	
002504	0001	16	DC XL2'0001'	
000001		17	EQN00001 EQU 0001	
002506	27B2	18	DC AL2(N00002)	
002508	0002	19	DC XL2'0002'	
000002		20	EQN00002 EQU 0002	
00250A	27CC	21	DC AL2(N00003)	
00250C	0003	22	DC XL2'0003'	
000003		23	EQN00003 EQU 0003	
00250E	27E6	24	DC AL2(N00004)	
002510	0004	25	DC XL2'0004'	
000004		26	EQN00004 EQU 0004	
002512	27FE	27	DC AL2(N00005)	
002514	0005	28	DC XL2'0005'	
000005		29	EQN00005 EQU 0005	
002516	2816	30	DC AL2(N00006)	
002518	0006	31	DC XL2'0006'	
000006		32	EQN00006 EQU 0006	
00251A	2830	33	DC AL2(N00007)	
00251C	0007	34	DC XL2'0007'	
000007		35	EQN00007 EQU 0007	
00251E	284A	36	DC AL2(N00008)	
002520	0008	37	DC XL2'0008'	
000008		38	EQN00008 EQU 0008	
002522	2864	39	DC AL2(N00009)	
002524	0009	40	DC XL2'0009'	
000009		41	EQN00009 EQU 0009	
002526	287C	42	DC AL2(N00010)	
002528	0010	43	DC XL2'0010'	
000010		44	EQN00010 EQU 0010	
00252A	2880	45	DC AL2(N00011)	
00252C	0011	46	DC XL2'0011'	
000011		47	EQN00011 EQU 0011	
00252E	289A	48	DC AL2(N00012)	
002530	0012	49	DC XL2'0012'	
000012		50	EQN00012 EQU 0012	
002532	289E	51	DC AL2(N00013)	
002534	0013	52	DC XL2'0013'	
000013		53	EQN00013 EQU 0013	
002536	28B6	54	DC AL2(N00014)	
002538	0014	55	DC XL2'0014'	
000014		56	EQN00014 EQU 0014	
00253A	28D0	57	DC AL2(N00015)	
00253C	0015	58	DC XL2'0015'	
000015		59	EQN00015 EQU 0015	
00253E	28E8	60	DC AL2(N00016)	
002540	0016	61	DC XL2'0016'	
000016		62	EQN00016 EQU 0016	
002542	2900	63	DC AL2(N00017)	
002544	0017	64	DC XL2'0017'	
000017		65	EQN00017 EQU 0017	
002546	2904	66	DC AL2(N00018)	
002548	0018	67	DC XL2'0018'	
000018		68	EQN00018 EQU 0018	
00254A	2908	69	DC AL2(N00019)	
00254C	0019	70	DC XL2'0019'	
000019		71	EQN00019 EQU 0019	
00254E	290C	72	DC AL2(N00020)	
002550	0020	73	DC XL2'0020'	
000020		74	EQN00020 EQU 0020	
002552	2910	75	DC AL2(N00021)	
002554	0021	76	DC XL2'0021'	
000021		77	EQN00021 EQU 0021	
002556	2914	78	DC AL2(N00022)	
002558	0022	79	DC XL2'0022'	
000022		80	EQN00022 EQU 0022	
00255A	292C	81	DC AL2(N00023)	
00255C	0023	82	DC XL2'0023'	
000023		83	EQN00023 EQU 0023	
00255E	2930	84	DC AL2(N00024)	
002560	0024	85	DC XL2'0024'	
000024		86	EQN00024 EQU 0024	
002562	29A8	87	DC AL2(N00025)	
002564	0025	88	DC XL2'0025'	
000025		89	EQN00025 EQU 0025	
002566	294E	90	DC AL2(N00026)	
002568	0026	91	DC XL2'0026'	
000026		92	EQN00026 EQU 0026	
00256A	2952	93	DC AL2(N00027)	
00256C	0027	94	DC XL2'0027'	
000027		95	EQN00027 EQU 0027	
00256E	2956	96	DC AL2(N00028)	
002570	0028	97	DC XL2'0028'	
000028		98	EQN00028 EQU 0028	
002572	2968	99	DC AL2(N00029)	
002574	0029	400	DC XL2'0029'	
000029		401	EQN00029 EQU 0029	
002576	296C	402	DC AL2(N00030)	
002578	0030	403	DC XL2'0030'	
000030		404	EQN00030 EQU 0030	
00257A	2970	405	DC AL2(N00031)	
00257C	0031	406	DC XL2'0031'	
000031		407	EQN00031 EQU 0031	
00257E	2988	408	DC AL2(N00032)	
002580	0032	409	DC XL2'0032'	
000032		410	EQN00032 EQU 0032	
002582	29A2	411	DC AL2(N00033)	
002584	0033	412	DC XL2'0033'	
000033		413	EQN00033 EQU 0033	
002586	2984	414	DC AL2(N00034)	
002588	0034	415	DC XL2'0034'	
000034		416	EQN00034 EQU 0034	
00258A	29CE	417	DC AL2(N00035)	
00258C	0035	418	DC XL2'0035'	
000035		419	EQN00035 EQU 0035	
00258E	29D2	420	DC AL2(N00036)	
002590	0036	421	DC XL2'0036'	

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000024		422	EQN00036 EQU 0036	
002592	29E4	423	DC AL2(N00037)	
002594	0037	424	DC XL2'0037'	
000025		425	EQN00037 EQU 0037	
002596	29E8	426	DC AL2(N00038)	
002598	0038	427	DC XL2'0038'	
000026		428	EQN00038 EQU 0038	
00259A	29EC	429	DC AL2(N00039)	
00259C	0039	430	DC XL2'0039'	
000027		431	EQN00039 EQU 0039	
00259E	2A04	432	DC AL2(N00040)	
0025A0	0040	433	DC XL2'0040'	
000028		434	EQN00040 EQU 0040	
0025A2	2A1C	435	DC AL2(N00041)	
0025A4	0041	436	DC XL2'0041'	
000029		437	EQN00041 EQU 0041	
0025A6	2A20	438	DC AL2(N00042)	
0025A8	0042	439	DC XL2'0042'	
00002A		440	EQN00042 EQU 0042	
0025AA	2A24	441	DC AL2(N00043)	
0025AC	0043	442	DC XL2'0043'	
00002B		443	EQN00043 EQU 0043	
0025AE	2A28	444	DC AL2(N00044)	
0025B0	0044	445	DC XL2'0044'	
00002C		446	EQN00044 EQU 0044	
0025B2	2A2C	447	DC AL2(N00045)	
0025B4	0045	448	DC XL2'0045'	
00002D		449	EQN00045 EQU 0045	
0025B6	2A3E	450	DC AL2(N00046)	
0025B8	0046	451	DC XL2'0046'	
00002E		452	EQN00046 EQU 0046	
0025BA	2A42	453	DC AL2(N00047)	
0025BC	0047	454	DC XL2'0047'	
00002F		455	EQN00047 EQU 0047	
0025BE	2A46	456	DC AL2(N00048)	
0025C0	0048	457	DC XL2'0048'	
000030		458	EQN00048 EQU 0048	
0025C2	2A5E	459	DC AL2(N00049)	
0025C4	0049	460	DC XL2'0049'	
000031		461	EQN00049 EQU 0049	
0025C6	2A76	462	DC AL2(N00050)	
0025C8	0050	463	DC XL2'0050'	
000032		464	EQN00050 EQU 0050	
0025CA	2A7A	465	DC AL2(N00051)	
0025CC	0051	466	DC XL2'0051'	
000033		467	EQN00051 EQU 0051	
0025CE	2A92	468	DC AL2(N00052)	
0025D0	0052	469	DC XL2'0052'	
000034		470	EQN00052 EQU 0052	
0025D2	2AA8	471	DC AL2(N00053)	
0025D4	0053	472	DC XL2'0053'	
000035		473	EQN00053 EQU 0053	
0025D6	2AB0	474	DC AL2(N00054)	
0025D8	0054	475	DC XL2'0054'	
000036		476	EQN00054 EQU 0054	
0025DA	2AB4	477	DC AL2(N00055)	
0025DC	0055	478	DC XL2'0055'	
000037		479	EQN00055 EQU 0055	
0025DE	2ACE	480	DC AL2(N00056)	
0025E0	0056	481	DC XL2'0056'	
000038		482	EQN00056 EQU 0056	
0025E2	2AD2	483	DC AL2(N00057)	
0025E4	0057	484	DC XL2'0057'	
000039		485	EQN00057 EQU 0057	
0025E6	2AD6	486	DC AL2(N00058)	
0025E8	0058	487	DC XL2'0058'	
00003A		488	EQN00058 EQU 0058	
0025EA	2ADA	489	DC AL2(N00059)	
0025EC	0059	490	DC XL2'0059'	
00003B		491	EQN00059 EQU 0059	
0025EE	2AF2	492	DC AL2(N00060)	
0025F0	0060	493	DC XL2'0060'	
00003C		494	EQN00060 EQU 0060	
0025F2	2B0A	495	DC AL2(N00061)	
0025F4	0061	496	DC XL2'0061'	
00003D		497	EQN00061 EQU 0061	
0025F6	2B1C	498	DC AL2(N00062)	
0025F8	0062	499	DC XL2'0062'	
00003E		500	EQN00062 EQU 0062	
0025FA	2B20	501	DC AL2(N00063)	
0025FC	0063	502	DC XL2'0063'	
00003F		503	EQN00063 EQU 0063	
0025FE	2B38	504	DC AL2(N00064)	
002600	0064	505	DC XL2'0064'	
000040		506	EQN00064 EQU 0064	
002602	2B3C	507	DC AL2(N00065)	
002604	0065	508	DC XL2'0065'	
000041		509	EQN00065 EQU 0065	
002606	2B40	510	DC AL2(N00066)	
002608	0066	511	DC XL2'0066'	
000042		512	EQN00066 EQU 0066	
00260A	2B58	513	DC AL2(N00067)	
00260C	0067	514	DC XL2'0067'	
000043		515	EQN00067 EQU 0067	
00260E	2B6A	516	DC AL2(N00068)	
002610	0068	517	DC XL2'0068'	
000044		518	EQN00068 EQU 0068	
002612	2B82	519	DC AL2(N00069)	
002614	0069	520	DC XL2'0069'	
000045		521	EQN00069 EQU 0069	
002616	2B86	522	DC AL2(N00070)	
002618	0070	523	DC XL2'0070'	
000046		524	EQN00070 EQU 0070	
00261A	2B8A	525	DC AL2(N00071)	
00261C	0071	526	DC XL2'0071'	
000047		527	EQN00071 EQU 0071	
00261E	2B9C	528	DC AL2(N00072)	
002620	0072	529	DC XL2'0072'	
000048		530	EQN00072 EQU 0072	
002622	2BA0	531	DC AL2(N00073)	
002624	0073	532	DC XL2'0073'	
000049		533	EQN00073 EQU 0073	
002626	2BA4	534	DC AL2(N00074)	
002628	0074	535	DC XL2'0074'	

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
00004A		536	EQN00074 EQU 0074
00262A	2BA8	537	DC AL2(N00075)
00262C	0075	538	DC XL2'0075'
00004B		539	EQN00075 EQU 0075
00262E	2BAC	540	DC AL2(N00076)
002630	0076	541	DC XL2'0076'
00004C		542	EQN00076 EQU 0076
002632		543	DC AL2(N00077)
002634	2BC6	544	DC XL2'0077'
00004D		545	EQN00077 EQU 0077
002636	2BDE	546	DC AL2(N00078)
002638	0078	547	DC XL2'0078'
00004E		548	EQN00078 EQU 0078
00263A	2BF6	549	DC AL2(N00079)
00263C	0079	550	DC XL2'0079'
00004F		551	EQN00079 EQU 0079
00263E	2C08	552	DC AL2(N00080)
002640	0080	553	DC XL2'0080'
000050		554	EQN00080 EQU 0080
002642	2C0C	555	DC AL2(N00081)
002644	0081	556	DC XL2'0081'
000051		557	EQN00081 EQU 0081
002646	2C10	558	DC AL2(N00082)
002648	0082	559	DC XL2'0082'
000052		560	EQN00082 EQU 0082
00264A	2C22	561	DC AL2(N00083)
00264C	0083	562	DC XL2'0083'
000053		563	EQN00083 EQU 0083
00264E	2C26	564	DC AL2(N00084)
002650	0084	565	DC XL2'0084'
000054		566	EQN00084 EQU 0084
002652	2C40	567	DC AL2(N00085)
002654	0085	568	DC XL2'0085'
000055		569	EQN00085 EQU 0085
002656	2C44	570	DC AL2(N00086)
002658	0086	571	DC XL2'0086'
000056		572	EQN00086 EQU 0086
00265A	2C5C	573	DC AL2(N00087)
00265C	0087	574	DC XL2'0087'
000057		575	EQN00087 EQU 0087
00265E	2C60	576	DC AL2(N00088)
002660	0088	577	DC XL2'0088'
000058		578	EQN00088 EQU 0088
002662	2C64	579	DC AL2(N00089)
002664	0089	580	DC XL2'0089'
000059		581	EQN00089 EQU 0089
002666	2C7C	582	DC AL2(N00090)
002668	0090	583	DC XL2'0090'
00005A		584	EQN00090 EQU 0090
00266A	2C80	585	DC AL2(N00091)
00266C	0091	586	DC XL2'0091'
00005B		587	EQN00091 EQU 0091
00266E	2C9A	588	DC AL2(N00092)
002670	0092	589	DC XL2'0092'
00005C		590	EQN00092 EQU 0092
002672	2CAC	591	DC AL2(N00093)
002674	0093	592	DC XL2'0093'
00005D		593	EQN00093 EQU 0093
002676	2CB0	594	DC AL2(N00094)
002678	0094	595	DC XL2'0094'
00005E		596	EQN00094 EQU 0094
00267A	2CC2	597	DC AL2(N00095)
00267C	0095	598	DC XL2'0095'
00005F		599	EQN00095 EQU 0095
00267E	2CC6	600	DC AL2(N00096)
002680	0096	601	DC XL2'0096'
000060		602	EQN00096 EQU 0096
002682	2CCA	603	DC AL2(N00097)
002684	0097	604	DC XL2'0097'
000061		605	EQN00097 EQU 0097
002686	2CE4	606	DC AL2(N00098)
002688	0098	607	DC XL2'0098'
000062		608	EQN00098 EQU 0098
00268A	2CE8	609	DC AL2(N00099)
00268C	0099	610	DC XL2'0099'
000063		611	EQN00099 EQU 0099
00268E	2D00	612	DC AL2(N00100)
002690	0100	613	DC XL2'0100'
000064		614	EQN00100 EQU 0100
002692	2D04	615	DC AL2(N00101)
002694	0101	616	DC XL2'0101'
000065		617	EQN00101 EQU 0101
002696	2D08	618	DC AL2(N00102)
002698	0102	619	DC XL2'0102'
000066		620	EQN00102 EQU 0102
00269A	2D20	621	DC AL2(N00103)
00269C	0103	622	DC XL2'0103'
000067		623	EQN00103 EQU 0103
00269E	2D3A	624	DC AL2(N00104)
0026A0	0104	625	DC XL2'0104'
000068		626	EQN00104 EQU 0104
0026A2	2D54	627	DC AL2(N00105)
0026A4	0105	628	DC XL2'0105'
000069		629	EQN00105 EQU 0105
0026A6	2D6C	630	DC AL2(N00106)
0026A8	0106	631	DC XL2'0106'
00006A		632	EQN00106 EQU 0106
0026AA	2D70	633	DC AL2(N00107)
0026AC	0107	634	DC XL2'0107'
00006B		635	EQN00107 EQU 0107
0026AE	2D8A	636	DC AL2(N00108)
0026B0	0108	637	DC XL2'0108'
00006C		638	EQN00108 EQU 0108
0026B2	2D8E	639	DC AL2(N00109)
0026B4	0109	640	DC XL2'0109'
00006D		641	EQN00109 EQU 0109
0026B6	2D92	642	DC AL2(N00110)
0026B8	0110	643	DC XL2'0110'
00006E		644	EQN00110 EQU 0110
0026BA	2DA	645	DC AL2(N00111)
0026BC	0111	646	DC XL2'0111'
00006F		647	EQN00111 EQU 0111
0026BE	2DC4	648	DC AL2(N00112)
0026C0	0112	649	DC XL2'0112'

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
000070		650	EQN00112 EQU 0112
0026C2	2DC8	651	DC AL2(N00113)
0026C4	0113	652	DC XL2'0113'
000071		653	EQN00113 EQU 0113
0026C6	2DCC	654	DC AL2(N00114)
0026C8	0114	655	DC XL2'0114'
000072		656	EQN00114 EQU 0114
0026CA	2DE6	657	DC AL2(N00115)
0026CC	0115	658	DC XL2'0115'
000073		659	EQN00115 EQU 0115
0026CE	2DEA	660	DC AL2(N00116)
0026D0	0116	661	DC XL2'0116'
000074		662	EQN00116 EQU 0116
0026D2	2DEE	663	DC AL2(N00117)
0026D4	0117	664	DC XL2'0117'
000075		665	EQN00117 EQU 0117
0026D6	2E06	666	DC AL2(N00118)
0026D8	0118	667	DC XL2'0118'
000076		668	EQN00118 EQU 0118
0026DA	2E1E	669	DC AL2(N00119)
0026DC	0119	670	DC XL2'0119'
000077		671	EQN00119 EQU 0119
0026DE	2E36	672	DC AL2(N00120)
0026E0	0120	673	DC XL2'0120'
000078		674	EQN00120 EQU 0120
0026E2	2E3A	675	DC AL2(N00121)
0026E4	0121	676	DC XL2'0121'
000079		677	EQN00121 EQU 0121
0026E6	2E3E	678	DC AL2(N00122)
0026E8	0122	679	DC XL2'0122'
00007A		680	EQN00122 EQU 0122
0026EA	2E42	681	DC AL2(N00123)
0026EC	0123	682	DC XL2'0123'
00007B		683	EQN00123 EQU 0123
0026EE	2E5C	684	DC AL2(N00124)
0026F0	0124	685	DC XL2'0124'
00007C		686	EQN00124 EQU 0124
0026F2	2E74	687	DC AL2(N00125)
0026F4	0125	688	DC XL2'0125'
00007D		689	EQN00125 EQU 0125
0026F6	2E8C	690	DC AL2(N00126)
0026F8	0126	691	DC XL2'0126'
00007E		692	EQN00126 EQU 0126
0026FA	2E86	693	DC AL2(N00127)
0026FC	0127	694	DC XL2'0127'
00007F		695	EQN00127 EQU 0127
0026FE	2E8A	696	DC AL2(N00128)
002700	0128	697	DC XL2'0128'
000080		698	EQN00128 EQU 0128
002702	2E8E	699	DC AL2(N00129)
002704	0129	700	DC XL2'0129'
000081		701	EQN00129 EQU 0129
002706	2E92	702	DC AL2(N00130)
002708	0130	703	DC XL2'0130'
000082		704	EQN00130 EQU 0130
00270A	2E96	705	DC AL2(N00131)
00270C	0131	706	DC XL2'0131'
000083		707	EQN00131 EQU 0131
00270E	2E9A	708	DC AL2(N00132)
002710	0132	709	DC XL2'0132'
000084		710	EQN00132 EQU 0132
002712	2ED2	711	DC AL2(N00133)
002714	0133	712	DC XL2'0133'
000085		713	EQN00133 EQU 0133
002716	2EEC	714	DC AL2(N00134)
002718	0134	715	DC XL2'0134'
000086		716	EQN00134 EQU 0134
00271A	2EF0	717	DC AL2(N00135)
00271C	0135	718	DC XL2'0135'
000087		719	EQN00135 EQU 0135
00271E	2EF4	720	DC AL2(N00136)
002720	0136	721	DC XL2'0136'
000088		722	EQN00136 EQU 0136
002722	2F0C	723	DC AL2(N00137)
002724	0137	724	DC XL2'0137'
000089		725	EQN00137 EQU 0137
002726	2F26	726	DC AL2(N00138)
002728	0138	727	DC XL2'0138'
00008A		728	EQN00138 EQU 0138
00272A	2F40	729	DC AL2(N00139)
00272C	0139	730	DC XL2'0139'
00008B		731	EQN00139 EQU 0139
00272E	2F44	732	DC AL2(N00140)
002730	0140	733	DC XL2'0140'
00008C		734	EQN00140 EQU 0140
002732	2F5C	735	DC AL2(N00141)
002734	0141	736	DC XL2'0141'
00008D		737	EQN00141 EQU 0141
002736	2F76	738	DC AL2(N00142)
002738	0142	739	DC XL2'0142'
00008E		740	EQN00142 EQU 0142
00273A	2F7A	741	DC AL2(N00143)
00273C	0143	742	DC XL2'0143'
00008F		743	EQN00143 EQU 0143
00273E	2F7E	744	DC AL2(N00144)
002740	0144	745	DC XL2'0144'
000090		746	EQN00144 EQU 0144
002742	2F82	747	DC AL2(N00145)
002744	0145	748	DC XL2'0145'
000091		749	EQN00145 EQU 0145
002746	2F86	750	DC AL2(N00146)
002748	0146	751	DC XL2'0146'
000092		752	EQN00146 EQU 0146
00274A	2F9E	753	DC AL2(N00147)
00274C	0147	754	DC XL2'0147'
000093		755	EQN00147 EQU 0147
00274E	2FA2	756	DC AL2(N00148)
002750	0148	757	DC XL2'0148'
000094		758	EQN00148 EQU 0148
002752	2FA6	759	DC AL2(N00149)
002754	0149	760	DC XL2'0149'
000095		761	EQN00149 EQU 0149
002756	2FB8	762	DC AL2(N00150)
002758	0150	763	DC XL2'0150'

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT. Contains error entries for LOCTR 000096 to 00279E and 0027A0 to 002806.

Table with columns: LOCTR, OBJECT TEXT, STMT, SOURCE STATEMENT. Contains error entries for LOCTR 002808 to 0028F0.

LCCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
0028F2	00000000000008	992+	DC X'00000000000008'	
0028F9	00	993+	ALIGN WORD	
0028FA	0000	994+	DC AL2(0)	
0028FC	C1C1	995+	DC C'AA'	
0028FE	196E	996+	ALIGN WORD	
		997+	DC AL2(PARMARA)	
002900	0101	998+ N00017	\$FIXT FT=(F00047),GTO=((7A72,F))	
002902	30A4	999+ N00017	DC A(@FIXT)	
		1000+	DC A(F00047)	
002904	0101	1001 N00018	\$FIXT FT=(F00060),GTO=((7A70,E))	
002906	30B2	1002+ N00018	DC A(@FIXT)	
		1003+	DC A(F00060)	
002908	0101	1004 N00019	\$FIXT FT=(F00060),GTO=((7A70,E))	
00290A	30B2	1005+ N00019	DC A(@FIXT)	
		1006+	DC A(F00060)	
00290C	0101	1007 N00020	\$FIXT FT=(F00057),GTO=((7A70,B))	
00290E	30D2	1008+ N00020	DC A(@FIXT)	
		1009+	DC A(F00057)	
002910	0101	1010 N00021	\$FIXT FT=(F00057),GTO=((7A70,B))	
002912	30D2	1011+ N00021	DC A(@FIXT)	
		1012+	DC A(F00057)	
002914	0500	1013 N00022	\$TUXX T7A02,07,00000000000020,ON,QT=(Q00007),YES=N00024,	X
002916	2930	1014+ N00022	DC A(@TUXX)	
002918	3248	1015+	DC AL2(N00024)	
00291A	0200	1016+	DC A(T7A02)	
00291C	0007	1017+	DC AL2(ON)	
00291E	00000000000020	1018+	DC AL2(07)	
002920	00	1019+	DC X'000000000000020'	
002922	0000	1020+	ALIGN WORD	
002924	C1C1	1021+	DC AL2(0)	
		1022+	DC C'AA'	
00292A	196E	1023+	ALIGN WORD	
		1024+	DC AL2(PARMARA)	
00292C	0101	1025 N00023	\$FIXT FT=(F00047),GTO=((7A72,F))	
00292E	30A4	1026+ N00023	DC A(@FIXT)	
		1027+	DC A(F00047)	
002930	0500	1028 N00024	\$TUXX T7A02,09,00000002000000200,OF,QT=(Q00006),YES=N00026,	X
002932	294E	1029+ N00024	DC A(@TUXX)	
002934	3248	1030+	DC AL2(N00026)	
002936	0202	1031+	DC A(T7A02)	
002938	0009	1032+	DC AL2(OF)	
00293A	0000000200000020	1033+	DC AL2(09)	
00293C	00	1034+	DC X'00000002000000200'	
00293E	0000	1035+	ALIGN WORD	
002940	0000	1036+	DC AL2(0)	
002942	C1C1	1037+	DC C'AA'	
002944	0000	1038+	ALIGN WORD	
002946	196E	1039+	DC AL2(PARMARA)	
00294A	0101	1040 N00025	\$FIXT FT=(F00047),GTO=((7A72,F))	
00294C	30A4	1041+ N00025	DC A(@FIXT)	
		1042+	DC A(F00047)	
00294E	0101	1043 N00026	\$FIXT FT=(F00057),GTO=((7A70,B))	
002950	30D2	1044+ N00026	DC A(@FIXT)	
		1045+	DC A(F00057)	
002952	0101	1046 N00027	\$FIXT FT=(F00047),GTO=((7A72,F))	
002954	30A4	1047+ N00027	DC A(@FIXT)	
		1048+	DC A(F00047)	
002956	0500	1049 N00028	\$TUXX T7A02,02,0040,ON,QT=(Q00006),YES=N00030,CT=(C00009)	
002958	296C	1050+ N00028	DC A(@TUXX)	
00295A	3248	1051+	DC AL2(N00030)	
00295C	0200	1052+	DC A(T7A02)	
00295E	0002	1053+	DC AL2(ON)	
002960	0040	1054+	DC AL2(02)	
		1055+	DC X'00040'	
002962	0000	1056+	ALIGN WORD	
002964	C1C1	1057+	DC AL2(0)	
		1058+	DC C'AA'	
002966	196E	1059+	ALIGN WORD	
		1060+	DC AL2(PARMARA)	
002968	0101	1061 N00029	\$FIXT FT=(F00047),GTO=((7A72,F))	
00296A	30A4	1062+ N00029	DC A(@FIXT)	
		1063+	DC A(F00047)	
00296C	0101	1064 N00030	\$FIXT FT=(F00058),GTO=((7A70,C))	
00296E	30F2	1065+ N00030	DC A(@FIXT)	
		1066+	DC A(F00058)	
002970	0500	1067 N00031	\$TUXX T7A02,07,00008000000080,OF,QT=(Q00006),YES=N00045,	X
002972	2A2C	1068+ N00031	DC A(@TUXX)	
002974	3248	1069+	DC AL2(N00045)	
002976	0209	1070+	DC A(T7A02)	
002978	0007	1071+	DC AL2(07)	
00297A	00008000000080	1072+	DC X'00008000000080'	
002980	00	1073+	ALIGN WORD	
002982	0000	1074+	DC AL2(0)	
002984	C1C1	1075+	DC C'AA'	
		1076+	ALIGN WORD	
002986	196E	1077+	DC AL2(PARMARA)	
		1078+	DC AL2(PARMARA)	
002988	0500	1079 N00032	\$TUXX T7A02,09,000000040000000400,OF,QT=(Q00006),YES=N00044,	X
00298A	2A28	1080+ N00032	DC A(@TUXX)	
00298C	3248	1081+	DC AL2(N00044)	
00298E	0202	1082+	DC A(T7A02)	
002990	0009	1083+	DC AL2(OF)	
002992	00000004000000040	1084+	DC AL2(09)	
002994	00	1085+	DC X'000000040000000400'	
002996	0000	1086+	ALIGN WORD	
002998	0000	1087+	DC AL2(0)	
00299A	C1C1	1088+	DC C'AA'	
		1089+	ALIGN WORD	
00299C	0000	1090+	DC AL2(PARMARA)	
00299E	196E	1091 N00033	\$TUXX T7A02,02,0040,ON,QT=(Q00006),YES=N00039,CT=(C00009)	
		1092+ N00033	DC A(@TUXX)	
0029A2	0500	1093+	DC AL2(N00039)	
0029A4	29EC	1094+	DC A(T7A02)	
0029A6	3248	1095+	DC AL2(ON)	
0029A8	0200	1096+	DC AL2(02)	
0029AA	0002	1097+	DC X'00040'	
0029AC	0040	1098+	ALIGN WORD	
		1099+	DC AL2(0)	
0029AE	0000	1100+	DC C'AA'	
0029B0	C1C1	1101+	ALIGN WORD	
		1102+	DC AL2(PARMARA)	
0029B2	196E	1103 N00034	\$TUXX T7A02,09,00000800000008000,OF,QT=(Q00006),YES=N00036,	X
0029B4	0500	1104+ N00034	DC A(@TUXX)	
0029B6	29D2	1105+	DC AL2(N00036)	

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
0029B8	3248	1106+	DC A(T7A02)	
0029BA	0202	1107+	DC AL2(OF)	
0029BC	0009	1108+	DC AL2(09)	
0029BE	00000080000000800	1109+	DC X'000000800000008000'	
0029C0	00	1110+	ALIGN WORD	
0029C2	0000	1111+	DC AL2(0)	
0029CA	C1C1	1112+	DC C'AA'	
		1113+	ALIGN WORD	
0029CC	196E	1114+	DC AL2(PARMARA)	
0029CE	0101	1115 N00035	\$FIXT FT=(F00051),GTO=((7A76,F))	
0029D0	3112	1116+ N00035	DC A(@FIXT)	
		1117+	DC A(F00051)	
0029D2	0500	1118 N00036	\$TUXX T7A02,02,0004,ON,QT=(Q00006),YES=N00038,CT=(C00013)	
0029D4	29E8	1119+ N00036	DC A(@TUXX)	
0029D6	3248	1120+	DC AL2(N00038)	
0029D8	0200	1121+	DC A(T7A02)	
0029DA	0002	1122+	DC AL2(ON)	
0029DC	0004	1123+	DC AL2(02)	
		1124+	DC X'00040'	
0029DE	0000	1125+	ALIGN WORD	
0029E0	C1C1	1126+	DC AL2(0)	
		1127+	DC C'AA'	
0029E2	196E	1128+	ALIGN WORD	
		1129+	DC AL2(PARMARA)	
0029E4	0101	1130 N00037	\$FIXT FT=(F00047),GTO=((7A72,F))	
0029E6	30A4	1131+ N00037	DC A(@FIXT)	
		1132+	DC A(F00047)	
0029E8	0101	1133 N00038	\$FIXT FT=(F00049),GTO=((7A72,R))	
0029EA	3120	1134+ N00038	DC A(@FIXT)	
		1135+	DC A(F00049)	
0029EC	0500	1136 N00039	\$TUXX T7A02,07,00000000000080,ON,QT=(Q00007),YES=N00043,	X
0029EE	2A24	1137+ N00039	DC A(@TUXX)	
0029F0	3248	1138+	DC AL2(N00043)	
0029F2	0200	1139+	DC A(T7A02)	
0029F4	0007	1140+	DC AL2(ON)	
0029F6	00000000000080	1141+	DC AL2(07)	
0029F8	00	1142+	DC X'00000000000080'	
0029FA	0000	1143+	ALIGN WORD	
0029FC	C1C1	1144+	DC AL2(0)	
		1145+	DC C'AA'	
002A00	196E	1146+	ALIGN WORD	
		1147+	DC AL2(PARMARA)	
002A02	0500	1148 N00040	\$TUXX T7A02,07,00000000000020,ON,QT=(Q00007),YES=N00042,	X
002A04	2A20	1149+ N00040	DC A(@TUXX)	
002A06	3248	1150+	DC AL2(N00042)	
002A08	0200	1151+	DC A(T7A02)	
002A0A	0007	1152+	DC AL2(ON)	
002A0C	00000000000020	1153+	DC AL2(07)	
002A0E	00	1154+	DC X'00000000000020'	
002A10	0000	1155+	ALIGN WORD	
002A12	C1C1	1156+	DC AL2(0)	
		1157+	DC C'AA'	
002A14	196E	1158+	ALIGN WORD	
		1159+	DC AL2(PARMARA)	
002A16	0101	1160 N00041	\$FIXT FT=(F00047),GTO=((7A72,F))	
002A18	30A4	1161+ N00041	DC A(@FIXT)	
		1162+	DC A(F00047)	
002A1A	0101	1163 N00042	\$FIXT FT=(F00051),GTO=((7A76,F))	
002A1C	30A4	1164+ N00042	DC A(@FIXT)	
		1165+	DC A(F00051)	
002A1E	0101	1166 N00043	\$FIXT FT=(F00051),GTO=((7A76,F))	
002A20	3112	1167+ N00043	DC A(@FIXT)	
		1168+	DC A(F00051)	
002A22	0101	1169 N00044	\$FIXT FT=(F00049),GTO=((7A72,R))	
002A24	3112	1170+ N00044	DC A(@FIXT)	
		1171+	DC A(F00049)	
002A26	0500	1172 N00045	\$TUXX T7A02,02,0040,OF,QT=(Q00006),YES=N00047,CT=(C00009)	
002A28	2A42	1173+ N00045	DC A(@TUXX)	
002A2A	3248	1174+	DC AL2(N00047)	
002A2C	0202	1175+	DC A(T7A02)	
002A2E	0002	1176+	DC AL2(OF)	
002A30	0040	1177+	DC AL2(02)	
		1178+	DC X'00040'	
002A32	0000	1179+	ALIGN WORD	
002A34	C1C1	1180+	DC AL2(0)	
		1181+	DC C'AA'	
002A36	196E	1182+	ALIGN WORD	
		1183+	DC AL2(PARMARA)	
002A38	0101	1184 N00046	\$FIXT FT=(F00047),GTO=((7A72,F))	
002A3A	30A4	1185+ N00046	DC A(@FIXT)	
		1186+	DC A(F00047)	
002A3C	0101	1187 N00047	\$FIXT FT=(F00060),GTO=((7A70,E))	
002A3E	30A4	1188+ N00047	DC A(@FIXT)	
		1189+	DC A(F00060)	
002A40	0101	1190 N00048	\$TUXX T7A02,07,00008000000080,OF,QT=(Q00006),YES=N00058,	X
002A42	30B2	1191+ N00048	DC A(@TUXX)	
		1192+	DC AL2(N00058)	
002A44	0500	1193+	DC A(T7A02)	
002A46	2AD6	1194+	DC AL2(OF)	
002A48	3248	1195+	DC AL2(07)	
002A4A	0202	1196+	DC X'00008000000080'	
002A4C	0007	1197+	ALIGN WORD	
002A4E	00008000000080	1198+	DC AL2(0)	
002A50	00	1199+	DC C'AA'	
002A52	0000	1200+	ALIGN WORD	
002A54	C1C1	1201+	DC AL2(PARMARA)	
		1202+ N00049	\$TUXX T7A02,07,00000000000040,ON,QT=(Q00007),YES=N00051,	X
002A56	0500	1203+ N00049	DC A(@TUXX)	
002A58	2A7A	1204+	DC AL2(N00051)	
002A5A	3248	1205+	DC A(T7A02)	
002A5C	0200	1206+	DC AL2(ON)	
002A5E	0007	1207+	DC AL2(07)	
002A60	00000000000040	1208+	DC X'00000000000040'	
002A62	00	1209+	ALIGN WORD	
002A64	0000	1210+	DC AL2(0)	
002A66	0000	1211+	DC C'AA'	
002A68	C1C1	1212+	ALIGN WORD	
		1213+	DC AL2(PARMARA)	
002A70	196E	1214 N00050	\$FIXT FT=(F00047),GTO=((7A72,F))	
		1215+ N00050	DC A(@FIXT)	
002A72	0101	1216+	DC A(F00047)	
002A74	30A4	1217 N00051	\$TUXX T7A02,07,00000000000020,ON,QT=(Q00007),YES=N00055,	X

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
002A7E	3248	1220+	DC A(T7A02)	
002A80	0200	1221+	DC AL2(ON)	
002A82	0007	1222+	DC AL2(07)	
002A84	00000000000020	1223+	DC X'00000000000020'	
002A8B	00	1224+	ALIGN WORD	
002A8C	0000	1225+	DC AL2(0)	
002A8E	C1C1	1226+	DC C'AA'	
002A90	196E	1227+	ALIGN WORD	
		1228+	DC AL2(PARMARA)	
002A92	0500	1229 N00052	STUXX T7A02,09,000000400000004000,OF,QT=(Q00006),YES=N00054, X	
002A94	2AB0	1230+N00052	DC A(@TUXX)	
002A96	3248	1231+	DC AL2(N00054)	
002A98	0202	1232+	DC A(T7A02)	
002A9A	0009	1233+	DC AL2(OF)	
002A9C	00000040000000400	1234+	DC AL2(09)	
002AA5	00	1235+	DC X'000000400000004000'	
002AA6	0000	1236+	ALIGN WORD	
002AA8	C1C1	1237+	DC AL2(0)	
		1238+	DC C'AA'	
		1239+	ALIGN WORD	
002AAA	196E	1240+	DC AL2(PARMARA)	
002AAC	0101	1241 N00053	SFIXT FT=(F00047),GTO=((7A72,F))	
002AAE	30A4	1242+N00053	DC A(@FIXT)	
		1243+	DC A(F00047)	
002AB0	0101	1244 N00054	SFIXT FT=(F00049),GTO=((7A72,R))	
002AB2	3120	1245+N00054	DC A(@FIXT)	
		1246+	DC A(F00049)	
002AB4	0500	1247 N00055	STUXX T7A02,09,000000200000002000,OF,QT=(Q00006),YES=N00057, X	
002AB6	2AD2	1248+N00055	DC A(@TUXX)	
002AB8	3248	1249+	DC AL2(N00057)	
002ABA	0202	1250+	DC A(T7A02)	
002ABC	0009	1251+	DC AL2(OF)	
002ABE	00000020000000200	1252+	DC AL2(09)	
002AC7	00	1253+	DC X'000000200000002000'	
002AC8	0000	1254+	ALIGN WORD	
002ACA	C1C1	1255+	DC AL2(0)	
		1256+	DC C'AA'	
		1257+	ALIGN WORD	
002ACC	196E	1258+	DC AL2(PARMARA)	
002ACE	0101	1259 N00056	SFIXT FT=(F00049),GTO=((7A72,R))	
002AD0	3120	1260+N00056	DC A(@FIXT)	
		1261+	DC A(F00049)	
002AD2	0101	1262 N00057	SFIXT FT=(F00057),GTO=((7A70,B))	
002AD4	30D2	1263+N00057	DC A(@FIXT)	
		1264+	DC A(F00057)	
002AD6	0101	1265 N00058	SFIXT FT=(F00060),GTO=((7A70,E))	
002AD8	30B2	1266+N00058	DC A(@FIXT)	
		1267+	DC A(F00060)	
002ADA	0500	1268 N00059	STUXX T7A02,07,00000000000020,ON,QT=(Q00007),YES=N00075, X	
002ADC	2BA8	1269+N00059	DC A(@TUXX)	
002ADE	3248	1270+	DC AL2(N00075)	
002AE0	0200	1271+	DC A(T7A02)	
002AE2	0007	1272+	DC AL2(ON)	
002AE4	00000000000020	1273+	DC AL2(07)	
002AEB	00	1274+	DC X'00000000000020'	
002AEC	0000	1275+	ALIGN WORD	
002AEE	C1C1	1276+	DC AL2(0)	
		1277+	DC C'AA'	
		1278+	ALIGN WORD	
002AF0	196E	1279+	DC AL2(PARMARA)	
002AF2	0500	1280 N00060	STUXX T7A02,07,00000800000008,OF,QT=(Q00006),YES=N00066, X	
002AF4	2B40	1281+N00060	DC A(@TUXX)	
002AF6	3248	1282+	DC AL2(N00066)	
002AF8	0202	1283+	DC A(T7A02)	
002AFA	0007	1284+	DC AL2(OF)	
002AFC	00000800000008	1285+	DC AL2(07)	
002B03	00	1286+	DC X'00000800000008'	
002B04	0000	1287+	ALIGN WORD	
002B06	C1C1	1288+	DC AL2(0)	
		1289+	DC C'AA'	
		1290+	ALIGN WORD	
002B08	196E	1291+	DC AL2(PARMARA)	
002B0A	0500	1292 N00061	STUXX T7A02,02,0040,OF,QT=(Q00006),YES=N00063,CT=(C00009)	
002B0C	2B20	1293+N00061	DC A(@TUXX)	
002B0E	3248	1294+	DC AL2(N00063)	
002B10	0202	1295+	DC A(T7A02)	
002B12	0002	1296+	DC AL2(OF)	
002B14	0040	1297+	DC AL2(02)	
		1298+	DC X'0040'	
		1299+	ALIGN WORD	
002B16	0000	1300+	DC AL2(0)	
002B18	C1C1	1301+	DC C'AA'	
		1302+	ALIGN WORD	
002B1A	196E	1303+	DC AL2(PARMARA)	
002B1C	0101	1304 N00062	SFIXT FT=(F00049),GTO=((7A72,R))	
002B1E	3120	1305+N00062	DC A(@FIXT)	
		1306+	DC A(F00049)	
002B20	0500	1307 N00063	STUXX T7A02,07,00004000000040,OF,QT=(Q00006),YES=N00065, X	
002B22	2B3C	1308+N00063	DC A(@TUXX)	
002B24	3248	1309+	DC AL2(N00065)	
002B26	0202	1310+	DC A(T7A02)	
002B28	0007	1311+	DC AL2(OF)	
002B2A	00004000000040	1312+	DC AL2(07)	
002B31	00	1313+	DC X'00004000000040'	
002B32	0000	1314+	ALIGN WORD	
002B34	C1C1	1315+	DC AL2(0)	
		1316+	DC C'AA'	
		1317+	ALIGN WORD	
002B36	196E	1318+	DC AL2(PARMARA)	
002B38	0101	1319 N00064	SFIXT FT=(F00054),GTO=((7A76,N))	
002B3A	312E	1320+N00064	DC A(@FIXT)	
		1321+	DC A(F00054)	
002B3C	0101	1322 N00065	SFIXT FT=(F00049),GTO=((7A72,R))	
002B3E	3120	1323+N00065	DC A(@FIXT)	
		1324+	DC A(F00049)	
002B40	0500	1325 N00066	STUXX T7A02,07,00008000000080,OF,QT=(Q00006),YES=N00074, X	
002B42	2BA4	1326+N00066	DC A(@TUXX)	
002B44	3248	1327+	DC AL2(N00074)	
002B46	0202	1328+	DC A(T7A02)	
002B48	0007	1329+	DC AL2(OF)	
002B4A	00008000000080	1330+	DC AL2(07)	
002B51	00	1331+	DC X'00008000000080'	
002B52	0000	1332+	ALIGN WORD	
		1333+	DC AL2(0)	

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT	COPYRIGHT IBM CORP 1976
002B54	C1C1	1334+	DC C'AA'	
		1335+	ALIGN WORD	
002B56	196E	1336+	DC AL2(PARMARA)	
		1337 N00067	STUXX T7A02,02,0040,OF,QT=(Q00006),YES=N00071,CT=(C00009)	
002B58	0500	1338+N00067	DC A(@TUXX)	
002B5A	2BA8	1339+	DC AL2(N00071)	
002B5C	3248	1340+	DC A(T7A02)	
002B5E	0202	1341+	DC AL2(OF)	
002B60	0002	1342+	DC AL2(02)	
002B62	0040	1343+	DC X'0040'	
		1344+	ALIGN WORD	
002B64	0000	1345+	DC AL2(0)	
002B66	C1C1	1346+	DC C'AA'	
		1347+	ALIGN WORD	
002B68	196E	1348+	DC AL2(PARMARA)	
		1349 N00068	STUXX T7A02,07,00004000000040,OF,QT=(Q00006),YES=N00070, X	
002B6A	0500	1350+N00068	DC A(@TUXX)	
002B6C	2B86	1351+	DC AL2(N00070)	
002B6E	3248	1352+	DC A(T7A02)	
002B70	0202	1353+	DC AL2(OF)	
002B72	0007	1354+	DC AL2(07)	
002B74	00004000000040	1355+	DC X'00004000000040'	
002B76	00	1356+	ALIGN WORD	
002B78	0000	1357+	DC AL2(0)	
002B7E	C1C1	1358+	DC C'AA'	
		1359+	ALIGN WORD	
002B80	196E	1360+	DC AL2(PARMARA)	
		1361 N00069	SFIXT FT=(F00049),GTO=((7A72,R))	
002B82	0101	1362+N00069	DC A(@FIXT)	
002B84	3120	1363+	DC A(F00049)	
		1364 N00070	SFIXT FT=(F00047),GTO=((7A72,F))	
002B86	0101	1365+N00070	DC A(@FIXT)	
002B88	30A4	1366+	DC A(F00047)	
		1367 N00071	STUXX T7A02,02,0004,OF,QT=(Q00006),YES=N00073,CT=(C00013)	
002B8A	0500	1368+N00071	DC A(@TUXX)	
002B8C	2BA0	1369+	DC AL2(N00073)	
002B8E	3248	1370+	DC A(T7A02)	
002B90	0202	1371+	DC AL2(OF)	
002B92	0002	1372+	DC AL2(02)	
002B94	0004	1373+	DC X'0004'	
		1374+	ALIGN WORD	
002B96	0000	1375+	DC AL2(0)	
002B98	C1C1	1376+	DC C'AA'	
		1377+	ALIGN WORD	
002B9A	196E	1378+	DC AL2(PARMARA)	
		1379 N00072	SFIXT FT=(F00047),GTO=((7A72,F))	
002B9C	0101	1380+N00072	DC A(@FIXT)	
002B9E	30A4	1381+	DC A(F00047)	
		1382 N00073	SFIXT FT=(F00049),GTO=((7A72,R))	
002BA0	0101	1383+N00073	DC A(@FIXT)	
002BA2	3120	1384+	DC A(F00049)	
		1385 N00074	SFIXT FT=(F00049),GTO=((7A72,R))	
002BA4	0101	1386+N00074	DC A(@FIXT)	
002BA6	3120	1387+	DC A(F00049)	
		1388 N00075	SFIXT FT=(F00053),GTO=((7A76,M))	
002BA8	0101	1389+N00075	DC A(@FIXT)	
002BAA	313C	1390+	DC A(F00053)	
		1391 N00076	STUXX T7A02,09,0000000800000080,OF,QT=(Q00006),YES=N00102, X	
002BAC	0500	1392+N00076	DC A(@TUXX)	
002BAE	2D08	1393+	DC AL2(N00102)	
002BB0	3248	1394+	DC A(T7A02)	
002BB2	0202	1395+	DC AL2(OF)	
002BB4	0009	1396+	DC AL2(09)	
002BB6	0000000800000080	1397+	DC X'0000000800000080'	
002BB8	00	1398+	ALIGN WORD	
002BBC	0000	1399+	DC AL2(0)	
002BC2	C1C1	1400+	DC C'AA'	
		1401+	ALIGN WORD	
002BC4	196E	1402+	DC AL2(PARMARA)	
		1403 N00077	STUXX T7A02,07,00004000000040,OF,QT=(Q00006),YES=N00089, X	
002BC6	0500	1404+N00077	DC A(@TUXX)	
002BC8	2C64	1405+	DC AL2(N00089)	
002BCA	3248	1406+	DC A(T7A02)	
002BCC	0202	1407+	DC AL2(OF)	
002BCE	0007	1408+	DC AL2(07)	
002BD0	00004000000040	1409+	DC X'00004000000040'	
002BD2	00	1410+	ALIGN WORD	
002BD4	0000	1411+	DC AL2(0)	
002BDA	C1C1	1412+	DC C'AA'	
		1413+	ALIGN WORD	
002BDC	196E	1414+	DC AL2(PARMARA)	
		1415 N00078	STUXX T7A02,07,0000100000001,OF,QT=(Q00006),YES=N00082, X	
002BDE	0500	1416+N00078	DC A(@TUXX)	
002BE0	2C10	1417+	DC AL2(N00082)	
002BE2	3248	1418+	DC A(T7A02)	
002BE4	0202	1419+	DC AL2(OF)	
002BE6	0007	1420+	DC AL2(07)	
002BE8	00000100000001	1421+	DC X'00000100000001'	
002BEF	00	1422+	ALIGN WORD	
002BF0	0000	1423+	DC AL2(0)	
002BF2	C1C1	1424+	DC C'AA'	
		1425+	ALIGN WORD	
002BF4	196E	1426+	DC AL2(PARMARA)	
		1427 N00079	STUXX T7A02,02,0005,OF,QT=(Q00006),YES=N00081,CT=(C00014)	
002BF6	0500	1428+N00079	DC A(@TUXX)	
002BF8	2C0C	1429+	DC AL2(N00081)	
002BFA	3248	1430+	DC A(T7A02)	
002BFC	0202	1431+	DC AL2(OF)	
002BFE	0002	1432+	DC AL2(02)	
002C00	0005	1433+	DC X'0005'	
		1434+	ALIGN WORD	
002C02	0000	1435+	DC AL2(0)	
002C04	C1C1	1436+	DC C'AA'	
		1437+	ALIGN WORD	
002C06	196E	1438+	DC AL2(PARMARA)	
		1439 N00080	SFIXT FT=(F00063),GTO=((7A70,J))	
002C08	0101	1440+N00080	DC A(@FIXT)	
002C0A	314A	1441+	DC A(F00063)	
		1442 N00081	SFIXT FT=(F00057),GTO=((7A70,B))	
002C0C	0101	1443+N00081	DC A(@FIXT)	
002C0E	30D2	1444+	DC A(F00057)	
		1445 N00082	STUXX T7A02,02,0040,OF,QT=(Q00006),YES=N00084,CT=(C00009)	
002C10	0500	1446+N00082	DC A(@TUXX)	
002C12	2C26	1447+	DC AL2(N00084)	

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
002C14	3248	1448+	DC A(T7A02)
002C16	0202	1449+	DC AL2(0)
002C18	0002	1450+	DC X'0040'
002C1A	0040	1451+	DC X'0040'
002C1C	0000	1452+	ALIGN WORD
002C1E	C1C1	1453+	DC AL2(0)
		1454+	DC C'AA'
		1455+	ALIGN WORD
002C20	196E	1456+	DC AL2(PARMARA)
		1457 N00083	SFIXT FT=(P00049),GTO=((7A72,R))
002C22	0101	1458+N00083	DC A(@FIXT)
002C24	3120	1459+	DC A(F00049)
		1460 N00084	STUXX T7A02,09,000000040000000400,OF,QT=(Q00006),YES=N00086, X
		1461+N00084	DC A(@TUXX)
002C26	0500	1462+	DC AL2(N00086)
002C28	2C44	1463+	DC A(T7A02)
002C2A	3248	1464+	DC AL2(OF)
002C2C	0202	1465+	DC AL2(09)
002C2E	0009	1466+	DC X'000000040000000400'
002C30	0000004000000040	1467+	ALIGN WORD
002C39	00	1468+	DC AL2(0)
002C3A	0000	1469+	DC C'AA'
002C3C	C1C1	1470+	ALIGN WORD
002C3E	196E	1471+	DC AL2(PARMARA)
		1472 N00085	SFIXT FT=(P00045),GTO=((7A72,B))
002C40	0101	1473+N00085	DC A(@FIXT)
002C42	3184	1474+	DC A(F00045)
		1475 N00086	STUXX T7A02,07,00000000000080,ON,QT=(Q00007),YES=N00088, X
		1476+N00086	DC A(@TUXX)
002C44	0500	1477+	DC AL2(N00088)
002C46	2C60	1478+	DC A(T7A02)
002C48	3248	1479+	DC AL2(ON)
002C4A	0200	1480+	DC AL2(07)
002C4C	0007	1481+	DC X'000000000000080'
002C4E	00000000000080	1482+	ALIGN WORD
002C55	00	1483+	DC AL2(0)
002C56	0000	1484+	DC C'AA'
002C58	C1C1	1485+	ALIGN WORD
002C5A	196E	1486+	DC AL2(PARMARA)
		1487 N00087	SFIXT FT=(P00050),GTO=((7A72,X))
002C5C	0101	1488+N00087	DC A(@FIXT)
002C5E	3192	1489+	DC A(F00050)
		1490 N00088	SFIXT FT=(P00045),GTO=((7A72,B))
002C60	0101	1491+N00088	DC A(@FIXT)
002C62	3184	1492+	DC A(F00045)
		1493 N00089	STUXX T7A02,07,00000000000020,ON,QT=(Q00007),YES=N00091, X
		1494+N00089	DC A(@TUXX)
002C64	0500	1495+	DC AL2(N00091)
002C66	2C80	1496+	DC A(T7A02)
002C68	3248	1497+	DC AL2(ON)
002C6A	0200	1498+	DC AL2(07)
002C6C	0007	1499+	DC X'000000000000020'
002C6E	00000000000020	1500+	ALIGN WORD
002C75	00	1501+	DC AL2(0)
002C76	0000	1502+	DC C'AA'
002C78	C1C1	1503+	ALIGN WORD
002C7A	196E	1504+	DC AL2(PARMARA)
		1505 N00090	SFIXT FT=(P00045),GTO=((7A72,B))
002C7C	0101	1506+N00090	DC A(@FIXT)
002C7E	3184	1507+	DC A(F00045)
		1508 N00091	STUXX T7A02,09,000000040000000400,OF,QT=(Q00006),YES=N00097, X
		1509+N00091	DC A(@TUXX)
002C80	0500	1510+	DC AL2(N00097)
002C82	2CA	1511+	DC A(T7A02)
002C84	3248	1512+	DC AL2(OF)
002C86	0202	1513+	DC AL2(09)
002C88	0009	1514+	DC X'000000040000000400'
002C8A	0000004000000040	1515+	ALIGN WORD
002C93	00	1516+	DC AL2(0)
002C94	0000	1517+	DC C'AA'
002C96	C1C1	1518+	ALIGN WORD
002C98	196E	1519+	DC AL2(PARMARA)
		1520 N00092	STUXX T7A02,02,0040,OF,QT=(Q00006),YES=N00094,CT=(C00009)
002C9A	0500	1521+N00092	DC A(@TUXX)
002C9C	2CB0	1522+	DC AL2(N00094)
002C9E	3248	1523+	DC A(T7A02)
002CA0	0202	1524+	DC AL2(OF)
002CA2	0002	1525+	DC AL2(02)
002CA4	0040	1526+	DC X'0040'
		1527+	ALIGN WORD
002CA6	0000	1528+	DC AL2(0)
002CA8	C1C1	1529+	DC C'AA'
		1530+	ALIGN WORD
002CAA	196E	1531+	DC AL2(PARMARA)
		1532 N00093	SFIXT FT=(P00049),GTO=((7A72,P))
002CAC	0101	1533+N00093	DC A(@FIXT)
002CAE	3120	1534+	DC A(F00049)
		1535 N00094	STUXX T7A02,02,0004,OF,QT=(Q00006),YES=N00096,CT=(C00013)
		1536+N00094	DC A(@TUXX)
002CB0	0500	1537+	DC AL2(N00096)
002CB2	2CC6	1538+	DC A(T7A02)
002CB4	3248	1539+	DC AL2(OF)
002CB6	0202	1540+	DC AL2(02)
002CB8	0002	1541+	DC X'0004'
002CBA	0004	1542+	ALIGN WORD
		1543+	DC AL2(0)
002CBC	0000	1544+	DC C'AA'
002CBE	C1C1	1545+	ALIGN WORD
002CC0	196E	1546+	DC AL2(PARMARA)
		1547 N00095	SFIXT FT=(P00057),GTO=((7A70,B))
002CC2	0101	1548+N00095	DC A(@FIXT)
002CC4	30D2	1549+	DC A(F00057)
		1550 N00096	SFIXT FT=(P00060),GTO=((7A70,E))
002CC6	0101	1551+N00096	DC A(@FIXT)
002CC8	30B2	1552+	DC A(F00060)
		1553 N00097	STUXX T7A02,09,000000080000000800,OF,QT=(Q00006),YES=N00099, X
		1554+N00097	DC A(@TUXX)
002CCA	0500	1555+	DC AL2(N00099)
002CCC	2CE8	1556+	DC A(T7A02)
002CCE	3248	1557+	DC AL2(OF)
002CD0	0202	1558+	DC AL2(07)
002CD2	0005	1559+	DC X'000000080000000800'
002CD4	0000008000000080	1560+	ALIGN WORD
002CD6	00	1561+	DC AL2(0)

LOCTR	OBJECT TEXT	STMT	SOURCE STATEMENT
002CE0	C1C1	1562+	DC C'AA'
		1563+	ALIGN WORD
002CE2	196E	1564+	DC AL2(PARMARA)
		1565 N00098	SFIXT FT=(P00047),GTO=((7A72,F))
002CE4	0101	1566+N00098	DC A(@FIXT)
002CE6	30A4	1567+	DC A(F00047)
		1568 N00099	STUXX T7A02,07,00000100000001,OF,QT=(Q00006),YES=N00101, X
		1569+N00099	DC A(@TUXX)
002CE8	0500	1570+	DC AL2(N00101)
002CEA	2D04	1571+	DC A(T7A02)
002CEC	3248	1572+	DC AL2(OF)
002CEE	0202	1573+	DC AL2(07)
002CF0	0007	1574+	DC X'00000100000001'
002CF2	00000100000001	1575+	ALIGN WORD
002CF9	00	1576+	DC AL2(0)
002CFA	0000	1577+	DC C'AA'
002CFC	C1C1	1578+	ALIGN WORD
002CFE	196E	1579+	DC AL2(PARMARA)
		1580 N00100	SFIXT FT=(P00051),GTO=((7A76,P))
002D00	0101	1581+N00100	DC A(@FIXT)
002D02	3112	1582+	DC A(F00051)
		1583 N00101	SFIXT FT=(P00047),GTO=((7A72,F))
002D04	0101	1584+N00101	DC A(@FIXT)
002D06	30A4	1585+	DC A(F00047)
		1586 N00102	STUXX T7A02,07,00004000000040,OF,QT=(Q00006),YES=N00132, X
		1587+N00102	DC A(@TUXX)
002D08	0500	1588+	DC AL2(N00132)
002D0A	2EBA	1589+	DC A(T7A02)
002D0C	3248	1590+	DC AL2(OF)
002D0E	0202	1591+	DC AL2(07)
002D10	0007	1592+	DC X'00004000000040'
002D12	00004000000040	1593+	ALIGN WORD
002D19	00	1594+	DC AL2(0)
002D1A	0000	1595+	DC C'AA'
002D1C	C1C1	1596+	ALIGN WORD
002D1E	196E	1597+	DC AL2(PARMARA)
		1598 N00103	STUXX T7A02,09,000000040000000400,OF,QT=(Q00006),YES=N00117, X
		1599+N00103	DC A(@TUXX)
002D20	0500	1600+	DC AL2(N00117)
002D22	2DEE	1601+	DC A(T7A02)
002D24	3248	1602+	DC AL2(OF)
002D26	0202	1603+	DC AL2(09)
002D28	0009	1604+	DC X'000000040000000400'
002D2A	00000004000000040	1605+	ALIGN WORD
002D33	00	1606+	DC AL2(0)
002D34	0000	1607+	DC C'AA'
002D36	C1C1	1608+	ALIGN WORD
002D38	196E	1609+	DC AL2(PARMARA)
		1610 N00104	STUXX T7A02,09,0000080000000800,OF,QT=(Q00006),YES=N00110, X
		1611+N00104	DC A(@TUXX)
002D3A	0500	1612+	DC AL2(N00110)
002D3C	2D92	1613+	DC A(T7A02)
002D3E	3248	1614+	DC AL2(OF)
002D40	0202	1615+	DC AL2(09)
002D42	0009	1616+	DC X'0000080000000800'
002D44	0000080000000800	1617+	ALIGN WORD
002D4D	00	1618+	DC AL2(0)
002D4E	0000	1619+	DC C'AA'
002D50	C1C1	1620+	ALIGN WORD
002D52	196E	1621+	DC AL2(PARMARA)
		1622 N00105	STUXX T7A02,07,00008000000080,OF,QT=(Q00006),YES=N00107, X
		1623+N00105	DC A(@TUXX)
002D54	0500	1624+	DC AL2(N00107)
002D56	2D70	1625+	DC A(T7A02)
002D58	3248	1626+	DC AL2(OF)
002D5A	0202	1627+	DC AL2(07)
002D5C	0007	1628+	DC X'00008000000080'
002D5E	00008000000080	1629+	ALIGN WORD
002D65	00	1630+	DC AL2(0)
002D66	0000	1631+	DC C'AA'
002D68	C1C1	1632+	ALIGN WORD
002D6A	196E	1633+	DC AL2(PARMARA)
		1634 N00106	SFIXT FT=(P00045),GTO=((7A72,B))
002D6C	0101	1635+N00106	DC A(@FIXT)
002D6E	3184	1636+	DC A(F00045)
		1637 N00107	STUXX T7A02,09,0000010000001000,OF,QT=(Q00006),YES=N00109, X
		1638+N00107	DC A(@TUXX)
002D70	0500	1639+	DC AL2(N00109)
002D72	2D8E	1640+	DC A(T7A02)
002D74	3248	1641+	DC AL2(OF)
002D76	0202	1642+	DC AL2(09)
002D78	0009	1643+	DC X'00000100000001000'
002D7A	0000010000000100	1644+	ALIGN WORD
002D83	00	1645+	DC AL2(0)
002D84	0000	1646+	DC C'AA'
002D86	C1C1	1647+	ALIGN WORD
002D88	196E	1648+	DC AL2(PARMARA)
		1649 N00108	SFIXT FT=(P00045),GTO=((7A72,B))
002D8A	0101	1650+N00108	DC A(@FIXT)
002D8C	3184	1651+	DC A(F00045)
		1652 N00109	SFIXT FT=(P00060),GTO=((7A70,E))
002D8E	0101	1653+N00109	DC A(@FIXT)
002D90	30B2	1654+	DC A(F00060)
		1655 N00110	STUXX T7A02,07,00000100000001,OF,QT=(Q00006),YES=N00114, X
		1656+N00110	DC A(@TUXX)
002D92	0500	1657+	DC AL2(N00114)
002D94	2BCC	1658+	DC A(T7A02)
002D96	3248	1659+	DC AL2(OF)
002D98	0202	1660+	DC AL2(07)
002D9A	0007	1661+	DC X'00000100000001'
002D9C	00000100000001	1662+	ALIGN WORD
002DA3	00	1663+	DC AL2(0)
002DA4	0000	1664+	DC C'AA'
002DA6	C1C1	1665+	ALIGN WORD
002DA8	196E	1666+	DC AL2(PARMARA)
		1667 N00111	STUXX T7A02,09,00000100000001000,OF,QT=(Q00006),YES=N00113, X
		1668+N00111	DC A(@TUXX)
002DAA	0500	1669+	DC AL2(N00113)
002DAC	2DC8	1670+	DC A(T7A02)
002DAE	3248	1671+	DC AL2(OF)
002DB0	0202	1672+	DC AL2(09)
002DB2	0009	1673+	DC X'00000100000001000'
002DB4	0000010000000100	1674+	ALIGN WORD
002DBD	00	1675+	DC AL2(0)
002DBE	0000		

Table with columns: LOCTR, OBJECT TEXT, STMT SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Contains error records for I7A28, including statements like \$FIXT FT=(F00060),GTO=((7A70,E)) and STUXX T7A02,07,00008000000080,OF,QT=(Q00006),YES=N00148, X.

Table with columns: LOCTR, OBJECT TEXT, STMT SOURCE STATEMENT, COPYRIGHT IBM CORP 1976. Contains error records for I7A28, including statements like \$FIXT FT=(F00058),GTO=((7A70,C)) and STUXX T7A02,09,0000000800000080,OF,QT=(Q00006),YES=N00166, X.

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
003186 000A 2132 DC A(0010)
003188 D4C1D740F7C1F7F26 2133 DC CL0010'MAP 7A72-B'

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
003238 0000 2249+\$SUBN DC A(*-*)
00323A 00000000 2250+\$DATA DC 2A(*-*)
00323E 0021 2251+\$INTL DC X'0021'

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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2369 *
2370 * DCB TABLES AND DC'S
2371 *
2372 *****
2373 *
2374 ***** DIAGNOSTIC DCB *****
2375 *
003250 2008 2376 DGDCB DC X'2008' DIAGNOSTIC DCB
003252 0000 2377 DC A(*-*) FLAG / PHYSICAL SECTOR#
003254 0000 2378 DC A(*-*) HEAD / CYLINDER#'S
003256 0000 2379 DC X'0000' NOT USED
003258 332A 2380 DC A(RSBA) RSB ADDRESS
00325C 0100 2381 DC A(*-*) CHAIN ADDRESS
00325E 0000 2382 DC X'0100' BYTE COUNT
2383 DC A(*-*) DATA ADDRESS
2384 *
2385 ***** RECALIBRATE DCB *****
2386 *
003260 0001 2387 CLDCB DC X'0001' RECALIBRATE DCB
003262 00000000000000000000 2388 DC 7A(*-*)
2389 *
2390 ***** WRITE SECTOR ID *****
2391 *
003270 002D 2392 WSDCB DC X'002D' WRITE SECTOR ID CNTL WORD
003272 0000 2393 DC A(*-*) FLAG / PHYSICAL SECTOR#
003274 0000 2394 DC A(*-*) HEAD / CYLINDER#'S
003276 0000 2395 DC X'0000' NOT USED
003278 332A 2396 DC A(RSBA) RSB ADDRESS
00327A 0000 2397 DC A(*-*) CHAIN ADDRESS
00327C 0004 2398 DC X'0004' BYTE COUNT
00327E 331E 2399 DC A(WRSID) ADDR OF SECTOR ID DATA
2400 *
2401 ***** READ SECTOR ID DCB *****
2402 *
003280 201C 2403 RSDCB DC X'201C' READ SECTOR ID CNTL WORD
003282 0000 2404 DC A(*-*) FLAG / PHYSICAL SECTOR#
003284 0000 2405 DC X'0000' HEAD / CYLINDER#'S
003286 0000 2406 DC X'0000' NOT USED
003288 332A 2407 DC A(RSBA) RSB ADDRESS
00328A 0000 2408 DC A(*-*) CHAIN ADDRESS
00328C 0004 2409 DC X'0004' BYTE COUNT FOR READ SECTOR ID
00328E 3206 2410 DC A(SCTID) SECTOR ID DATA ADDRESS
2411 *
2412 ***** SEEK DCB *****
2413 *
003290 0000 2414 SKDCB DC X'0000' SEEK DCB CONTROL WORD
003292 0000 2415 DC X'0000' NOT USED
003294 0000 2416 DC A(*-*) HEAD / CYLINDER#'S
003296 0000 2417 DC X'0000' NOT USED
003298 332A 2418 DC A(RSBA) RSB ADDRESS
00329A 0000 2419 DC A(*-*) CHAIN ADDRESS
00329C 0000 2420 DC X'0000' NOT USED
00329E 0000 2421 DC X'0000' NOT USED
2422 *
2423 ***** CYCLE STEAL STATUS DCB *****
2424 *
0032A0 2000 2425 CSDCB DC X'2000' CONTROL WORD
0032A2 0000 2426 DC F'0' NOT USED
0032A4 0000 2427 DC F'0' NOT USED
0032A6 0000 2428 DC F'0' NOT USED
0032A8 0000 2429 DC F'0' NOT USED
0032AA 0000 2430 DC F'0' NOT USED
0032AC 001A 2431 DC X'001A' 13 WORDS OF STATUS
0032AE 321E 2432 DC A(CSBUF) ADDRESS OF CYCLE STEAL STATUS DATA
2433 *
2434 ***** WRITE DCB *****
2435 *
0032B0 0028 2436 WRDCB DC X'0028' WRITE DATA DCB CNTL WORD
0032B2 0000 2437 DC A(*-*) FLAG / RECORD#
0032B4 0000 2438 DC A(*-*) HEAD / CYLINDER#'S
0032B6 0000 2439 DC A(*-*) SCAN / REPEAT COUNT
0032B8 332A 2440 DC A(RSBA) RSB ADDRESS
0032BA 0000 2441 DC A(*-*) CHAIN ADDRESS
0032BC 0100 2442 DC X'0100' BYTE COUNT
0032BE 0000 2443 DC A(*-*) WRITE DATA ADDRESS
2444 *
2445 ***** VERIFY DCB *****
2446 *
0032C0 0019 2447 VRDCB DC X'0019' CONTROL WORD
0032C2 0000 2448 DC A(*-*) FLAG / RECORD#
0032C4 0000 2449 DC A(*-*) HEAD / CYLINDER#'S
0032C6 0000 2450 DC A(*-*) SCAN / REPEAT COUNT
0032C8 332A 2451 DC A(RSBA) RSB ADDRESS
0032CA 0000 2452 DC A(*-*) CHAIN ADDRESS
0032CC 0000 2453 DC A(*-*) BYTE COUNT
0032CE 0000 2454 DC F'0' NOT USED
2455 *
2456 ***** READ DCB *****
2457 *
0032D0 2018 2458 RDDCB DC X'2018' READ DCB CONTROL WORD
0032D2 0000 2459 DC A(*-*) FLAG / RECORD#
0032D4 0000 2460 DC A(*-*) HEAD / CYLINDER#'S
0032D6 0000 2461 DC A(*-*) SCAN / REPEAT COUNT
0032D8 332A 2462 DC A(RSBA) RSB ADDRESS
0032DA 0000 2463 DC A(*-*) CHAIN ADDRESS
0032DC 0100 2464 DC X'0100' BYTE COUNT
0032DE 0000 2465 DC A(*-*) READ DATA ADDRESS
2466 *
2467 ***** WRITE SECTOR ID SKEWED *****
2468 *
0032E0 002F 2469 WKDCB DC X'002F' CONTROL WORD
0032E2 0000 2470 DC A(*-*) FLAG / PHYSICAL SECTOR#
0032E4 0000 2471 DC A(*-*) HEAD / CYLINDER#'S
0032E6 0000 2472 DC F'0' NOT USED
0032E8 332A 2473 DC A(RSBA) RSB ADDRESS
0032EA 0000 2474 DC A(*-*) CHAIN ADDRESS
0032EC 0004 2475 DC X'0004' BYTE COUNT
0032EE 331E 2476 DC A(WRSID) ADDR OF SECTOR ID DATA
2477 *
2478 ***** READ SECTOR ID SKEWED *****
2479 *
0032F0 201D 2480 RKDCB DC X'201D' CONTROL WORD
0032F2 0000 2481 DC A(*-*) FLAG / PHYSICAL SECTOR#
0032F4 0000 2482 DC A(*-*) HEAD / CYLINDER#'S

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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0032F6 0000 2483 DC F'0' NOT USED
0032F8 332A 2484 DC A(RSBA) RSB ADDRESS
0032FA 0000 2485 DC A(*-*) CHAIN ADDRESS
0032FC 0004 2486 DC X'0004' BYTE COUNT
0032FE 3206 2487 DC A(SCTID) SECTOR ID DATA ADDRESS
2488 *
2489 ***** READ MULTIPLE SECTOR IDS *****
2490 *
003300 201C 2491 RMDCB DC X'201C' CONTROL WORD
003302 0000 2492 DC A(*-*) FLAG / PHYSICAL SECTOR#
003304 0000 2493 DC A(*-*) HEAD / CYLINDER#'S
003306 0000 2494 DC F'0' NOT USED
003308 332A 2495 DC A(RSBA) RSB ADDRESS
00330A 0000 2496 DC A(*-*) CHAIN ADDRESS
00330C 0084 2497 DC X'0084' BYTE COUNT
00330E 333A 2498 DC A(ID00) DATA AREA ADDRESS
2499 *
2500 * CONSTANTS AND DEFINED STORAGE LOCATIONS
2501 ZERO0 DC X'0000' CONSTANT ZERO
2502 ONE1 DC X'0001' CONSTANT ONE
2503 RAY DC A(*-*) WRITE PARAMETER POINTER
2504 WDATA DC X'EB6D' WRITE DATA
2505 DC X'6BDB' *
2506 LGSEC DC X'0000' LOGICAL SECTOR #
2507 PHYSC DC X'0000' CONVERTED PHYSICAL SEC #
2508 WRSID DC X'0000' FLAG, SECTOR (WRT SECTOR ID DATA)
2509 DC X'0000' HEAD, CYLINDER
2510 WSIDT DC X'FF34' WRITE SECTOR ID TEST DATA
2511 DC X'5678' *
2512 SCTST DC X'0000' READ SECTOR ID TEST DATA BUFFER
2513 DC X'0000' *
2514 RSBA DC 6A(*-*) RESIDUAL STATUS BLOCK
00332A 0000000000000000 2515 CTR02 DC X'0000' COUNTER
003336 0000 2516 CTR03 DC X'0000' COUNTER
00333A 0000 2517 ID00 DC X'0000' ID ADDRESS TO BE SET BY USER
00333C 1010 2518 PDATA DC X'1010' WRITE DIAG WORD 1 DATA PATTERNS
00333E 5555 2519 DC X'5555' *
003340 AAAA 2520 DC X'AAAA' *
003342 FFFF 2521 DC X'FFFF' *
2522 *
2523 *****4/06/77*****
2524 *
2525 * SUBROUTINE
2526 *
2527 * PURPOSE
2528 *
2529 * COMPARE READ SECTOR ID DATA TO WRITE SECTOR ID DATA
2530 *
2531 * CALLING SEQUENCE
2532 *
2533 * BAL CMPRW,R6 (NORMAL)
2534 *
2535 * RETURN
2536 *
2537 * BXS (R6,2) - NORMAL
2538 *
2539 *
2540 *****
2541 *
2542 CMPRW MVWI 4,R7 COMPARE BYTE COUNT
2543 MVA SCTID,R3 ADDR OF RD SEC ID DATA
2544 MVA WRSID,R5 ADDR OF WR SEC ID DATA
2545 CPENEN (R3,2)(R5) COMPARE ID DATA
2546 BE (R6,2) BCHK IF WRITE ID DATA OK
2547 B (R6)* COMPARE ERROR
2548 *****
2549 *
2550 * EXECUTE INPUT & OUTPUT COMMANDS
2551 * TO EXECUTE ALL I/O COMMANDS FROM A COMMON PLACE.
2552 * EACH OF THESE ENTRIES SET R7 WITH THE ADRS OF ITS PARAMETER
2553 * LIST AND ANY SPECIAL SWITCHES BEFORE BRANCHING TO THE
2554 * SUPVR CALL.
2555 *
2556 * THIS SUBROUTINE WILL CHECK FOR THE FOLLOWING:
2557 * 1. LOST INTERRUPTS BY TIMING OUT A COUNTING LOOP
2558 * 2. ERROR INTERRUPTS RECEIVED FROM SUPVR
2559 *
2560 * THIS ROUTINE HAS THE FOLLOWING ENTRIES:
2561 *
2562 *
2563 *
2564 * 1 BAL $RKEW,R6 READ SECTOR ID SKEWED
2565 *
2566 * 2 BAL $WKEW,R6 WRITE SECTOR ID SKEWED
2567 *
2568 * 3 BAL $WSEC,R6 WRITE SECTOR ID
2569 *
2570 * 4 BAL $DIAG,P6 DIAGNOSTIC
2571 *
2572 * 5 BAL $XIOCS,R6 CYCLE STEAL STATUS
2573 *
2574 * 6 BAL $SEEK,R6 SEEK
2575 *
2576 * 7 BAL $RECL,R6 RECALIBRATE
2577 *
2578 * 8 BAL $RDID,R6 READ SECTOR ID
2579 *
2580 * 9 BAL $RD,R6 READ
2581 *
2582 * 10 BAL $RDVY,R6 READ VERIFY
2583 *
2584 * 11 BAL $WRT,R6 WRITE
2585 *
2586 * 12 BAL $RDIM,R6 READ MULTI SECTOR IDS
2587 *
2588 *****
2589 *
2590 $SEEK MVA SKDCB,IODCB SET UP CONTROL BLOCK FOR SVC CALL
2591 J XIO
2592 *
2593 $RECL MVA CLDCB,IODCB SET UP BLOCK FOR SVC CALL
2594 J XIO
2595 *
2596 $RDID MVA RSDCB,IODCB SET UP BLOCK FOR SVC CALL
2597 MVBI X'BB',R3 SET BUFFER TO B'S

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
003372 4524 3206 2598 MVA SCTID,R5 SETUP READ SECTOR ID BUFFER ADRS
003376 4724 0004 2599 MVWI 4,R7 SETUP BUFFER LENGTH
00337A 2BAC 2600 FPN R3,(R5) INIT READ SECTOR ID BUFFER
00337C 4020 328E 3206 2601 MVA SCTID,R5DCB+14 DATA ADDR
003382 506E 2602 J XIO

LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976
3276** CYCLE STEAL STATUS COMMAND. CHECK FOR ANY OTHER BIT BEING ON,
3277** COUNT IT AND SET UP THE PROPER ERROR MESSAGE TO BE PRINTED.
3278**
3279** CALLING SEQUENCE
3280**
3281** THIS ROUTINE HAS THE FOLLOWING ENTRIES:
3282**
3283** --> BAL XIO OR XEQ ANY CYCLE STEAL COMMAND, MOD=0
3284** --> BAL XIO1 MOD PARM PRELOADED IN 'IOMOD'

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LOCTR OBJECT TEXT STMT SOURCE STATEMENT COPYRIGHT IBM CORP 1976

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3393** SUPVR WILL ENTER WHEN AN ERROR OCCURS ON AN I/O INTERRUPT IL
3394** RETURN CONTROL IL
3395** RETURN CONTROL IL
3396** SVC EXIT RETURN TO USER VIA SUPVR IL
3397** SVC EXIT RETURN TO USER VIA SUPVR IL
3398** SVC EXIT RETURN TO USER VIA SUPVR IL
3399** ***** IL
3400** ***** IL
3401** CC 0= CONTROLLER END ISB 0= ADD STATUS IL
3402** FOR 1= PROGRAM CONTROL INTERRUPT BITS 1= COMD REJECT IL
3403** INTR 2= EXCEPTION INTERRUPT FOR 2= INCOR LENGTH IL
3404** 3= DEVICE END INTERRUPT INTR 3= DCB SPEC CK IL
3405** 4= ATTENTION INTERRUPT 4= STG DATA CK IL
3406** 5= ATTENTION / PROGRAM CNTRL INTR 5= INV STG ADRS IL
3407** 6= ATTENTION / EXCEPTION INTR 6= PROTRCT CK IL
3408** 7= ATTENTION / DEVICE END INTR 7= I-FACE DATA IL
3409** ***** IL
0034DE 706E 4410+INTR CPLSR R3 COPY STATUS ANY LEVEL INTO R3 IL
0034E0 336A 4411+ SRL 13,R3 POSITION INDICATORS IN R3 IL
0034E2 4424 31F8 4412+ MVA OPTN1,R4 SET UP BASE ADRS IL
0034E6 4C28 4413+ TBT (R4,CS) IS CS IN PROGRESS IL
0034E8 1006 4414+ JOFF INTES * NO IL
0034EA 4C6A 4415+ TBTS (R4,CE) TURN ON CYCLE STEAL INTER ERROR IL
0034EC 6F0D 320C 4416+ MVW R7,DEV4 SAVE CS ERR ISB VALUE, BITS 0-7 IL
0034F0 C328 320D 4417+ MVB R3,DEV4+1 * AND THE COND CODE IL
0034F4 500A 4418+ J INTR1 IL
0034F6 4C24 4419+INTES TBT (R4,XE) TEST EXPECTED ATTN / ERROR IND IL
0034F8 1002 4420+ JOFF INTET BCH IF NOT EXPECTED IL
0034FA F304 4421+ CBI 4,R3 IS THIS AN 'ATTENTION' INTR IL
0034FC 1006 4422+ JE INTR1 * YES, BCH TO END INTR SEQUENCE IL
0034FE 4C61 4423+INTET TBTS (R4,ER) SET ERROR ON I/O COMMAND CNTRL BIT IL
003500 5004 4424+ J INTR1 IL
4425** THE ERROR INTERRUPT USES THE SAME IL
4426** ENDING SEQUENCE AS THE NORMAL INTR IL
4427** *****14 APR 76 IL
4428** ***** IL
4429** ***** IL
4430** ***** IL
4431** ***** IL
4432** OKAY INTERRUPT RUNS ON INTERRUPT LEVEL 'SINTL' IL
4433** ***** IL
4434** PURPOSE IL
4435** ***** IL
4436** TO CHECK THE INTERRUPT AND CONTINUE THE TEST IL
4437** ***** IL
4438** CALLING SEQUENCE IL
4439** ***** IL
4440** SUPERVISOR WILL ENTER HERE IF INTR CC IS AS REQUESTED IL
4441** THE ERROR INTERRUPT HANDLER WILL BRANCH TO THIS ROUTINE IL
4442** AFTER THE SPECIAL PART HAS BEEN COMPLETED AND THE IL
4443** COMMON SECTION IS HANDLED HERE. IL
4444** ***** IL
4445** RETURN CONTROL IL
4446** ***** IL
4447** SVC EXIT RETURN TO USER VIA SUPVR IL
4448** ***** IL
4449** ***** IL
003502 706E 4450+INTOK CPLSR R3 COPY STATUS ANY LEVEL INTO R3 IL
003504 336A 4451+ SRL 13,R3 POSITION INDICATORS IN R3 IL
003506 4424 31F8 4452+ MVA OPTN1,R4 SET UP BASE ADRS IL
00350A 4C63 4453+INTR1 TBTS (R4,IN) SET INTERRUPT RECEIVED IL
00350C 4C28 4454+ TBT (R4,CS) IS 'CS' IN PROGRESS ON IL
003510 1204 4455+ JON INT#2 * YES, BCH AROUND UPDATE IL
003514 6F0D 3202 4456+ MVB R3,$IOIN+1 SAVE INTERRUPTING CC CODE IL
003518 3521 4457+ MVW R7,$ISB SAVE INTR STATUS AND DEV ADRS IL
00351A 0501 4458+INTR2 EQU * IL
00351C CD24 323E 4459** CPCL R5 CURRENT LEVEL COPIED BY DCP IL
003520 1002 4460+ SLL 4,R5 POSITION INTR LEVEL AND PUT IL
003522 4C66 4461+ ABI 1,R5 * IN 'I' BIT IL
003524 4C61 4462+ CW $INTL,R5 IS THIS THE CORRECT INTR LEVEL IL
003526 4C22 4463+ JE INTR3 * YES, GO EXIT THIS LEVEL IL
003528 1204 4464+ TBTS (R4,$LE) SET INTR LEVEL ERROR CONTROL BIT IL
00352A 4C60 4465+ TBTS (R4,ER) SET ERROR ON I/O COMMAND CNTRL BIT IL
00352C F304 4466+INTR3 TBT (R4,XI) WAS INTERRUPT EXPECTED IL
00352E 1001 4467+ JON INT#1 * YES, EXIT OFF THIS INTR LEVEL IL
003530 4C6C 4468+ TBTS (R4,MI) * NO, SET MYSTERY INTR CONTROL BIT IL
003532 6006 4469+ CBI 4,R3 * ATTENTION INTERRUPT? IL
4470+ JE INTRX YES IL
4471+ TBTS (R4,NG) ERROR, UNEXPECTED INTERRUPT IL
4472+INTRX SVC EXIT EXIT THIS LEVEL VIA SUPVR TO PGM IL
3474** *****03 FEB 76** IL
4475** ***** IL
4476** THIS IS THE CONTINUATION OF EXECUTE I/O AFTER THE INTERRUPT IL
4477** HAS BEEN SERVICED. THE EXERCISER FINDS AN INTERRUPT HAS BEEN IL
4478** RECEIVED AND BRANCHES HERE TO CHECK FOR ANY ERROR CONDITIONS. IL
4479** ***** IL
4480** ***** IL
003534 4CA4 4481+XIOCK TBTR (R4,XE) WAS AN ERROR EXPECTED IL
003536 6AC0 0002 4482+ BN (R6,2) * YES, EXIT THIS ROUTINE IL
00353A 4CAB 4483+ TBTR (R4,CS) WAS AUTO CS IN PROGRESS IL
00353C 1006 4484+ JOFF XIOCV * NO, CONTINUE CHECKING IL
00353E 4C2A 4485+ TET (R4,CE) IS CS IN AN ERR CONDITION IL
003540 1002 4486+ JOFF XIOCO * NO, BCH IL
003542 68D2 0000 4487+ B (R6)* CS ERROR IL
003544 4C69 4488+XIOCO TBTS (R4,CSA) TURN ON CS STATS AVAIL FLAG IL
003546 5601 4489+ BXS (R6,2) GO TO USER IL
00354A 4C21 4490+XIOCV TBT (R4,ER) WAS ERROR INTR CONTROL BIT ON IL
00354C 100D 4491+ JOFF XIOCX * NO, EXIT THIS ROUTINE IL
4492** ***** IL
4493** ***** IL
4494** ***** IL
4495** ***** IL
4496** ***** IL
4497** ***** IL
3498+XIOCO MVW $ISB,R5 GET LAST INTR CC CODE IL
4499+ BN XIOCS-4 IS THIS CC=2 IL
4500+ B (R6)* YES IL
4501+XIOCX MVW OPTN3,R3 IS THIS CC=6 IL
4502+ BXS (R6,2) * NO, BCH TO ERROR HANDLER IL
4503** ***** IL
4504** I/O PARAMETER LIST IL
4505** ***** IL
00356E 19D0 4506+IOBLK DC A(DEVADD) ADRS OF DEVICE ADRS IL
003570 34D2 4507+ DC A(XIOER) ERROR ROUTINE ADRS IL
003572 0000 4508+IODCB DC A(*-*) DCB ADRS OR LEVEL & INTR IL

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003574 0000 3509+IOMOD DC A(*-*) MODIFIER IL
003576 0000 3510+ DC A(*-*) ADRS OF LAST SVC CALL IL
003578 0000 3511+IORSF DC A(*-*) SECOND WORD OF LAST IDCB IL
3512** ***** IL
3513** ***** IL
3514** ***** IL
3515+INTBL DC A(DEVADD) ADRS OF DEVICE ADRS IL
3516+ DC A(INTOK) INTERRUPT OK RETURN ADRS IL
3517+ DC A(INTR) INTERRUPT ERROR ADRS IL
3518+INTCC DC Y'0003' INTERRUPT CODE EXPECTED IL
3520** *****11 MAY 76** IL
3521** ***** IL
3522** SUBROUTINE IL
3523** ***** IL
3524** CONNECT INTERRUPT CONTROL BLOCK & PREPARE DEVICE IL
3525** ***** IL
3526** PURPOSE IL
3527** ***** IL
3528** TO CONNECT THE INTERRUPT CONTROL BLOCK TO THIS DEVICE AND IL
3529** PREPARE ON THE DESIRED INTERRUPT LEVEL AND TO ALLOW THE DEVICE IL
3530** TO INTERRUPT. IL
3531** ***** IL
3532** CALLING SEQUENCE IL
3533** ***** IL
3534** THIS SUBROUTINE HAS THE FOLLOWING ENTRIES: IL
3536** --> BAL $CONC,R6 CLEAR DEV DEP STG AND CONNECT I/O BLK IL
3537** --> BAL $CONP,R6 PREPARE DEVICE ONLY, ALREADY CONNECT IL
3538** ***** IL
3539** RETURN CONTROL IL
3540** ***** IL
3541** OR BXS (R6,2) RETURN TO USER VIA REG 6 IF OKAY IL
3542** B (R6)* IF THE DEVICE COULD NOT BE CONNECTED IL
3543** ***** IL
003582 0F06 3545+SCONC MVBI 6,R7 NUMBER OF BYTE TO CLEAR IL
003584 0B00 3546+ MVBI 0,R3 * AND THE DATA TO USE IL
003586 4524 3206 3547+ MVA DEV1,R5 * ALONG WITH THE ADRS TO USE IL
003588 2BAC 3548+ FFN R3,(R5) * IL
00358C CB25 31FC 3549+ MVWZ OPTN3,R3 CLEAR OLD CONTROLS FOR NEW ROUTINE IL
003590 4724 357A 3550+ MVA INTBL,R7 SET R7 TO CONTROL BLOCK AND IL
003594 6014 3551+ SVC CIBC * CONNECT IT TO THIS DEVICE IL
003596 6AD0 0000 3552+ BN (R6)* ERROR RETURN TO USER IL
3553** ***** IL
00359A 8828 323E 3572+SCONP MVW $SINTL,IODCB PUT IN LEVEL & INTR PARAMETER IL
0035A0 4724 356E 3573+ MVA IOBLK,R7 SET R7 TO CONTROL BLOCK TO PREPARE IL
0035A4 4020 3200 0708 3574+ MVW X'0708',$IOIN INITIALIZE CONDITION CODE STORAGE IL
0035AA CB25 3202 3575+ MVWZ $ISB,R3 * AND CLEAR OLD ISB VALUE IL
0035AE 680D 3204 3576+ MVW R6,LSTIO SET UP ADDRESS THAT STARTED LAST I/O IL
0035B2 600C 3579+ SVC PRP * AND CALL ON SUPVR IL
0035B4 5601 3580+ BXS (R6,2) RETURN TO USER IL
3581** *****06 APR 76** IL
3582** ***** IL
3583** ***** IL
3584** ***** IL
3585** ***** IL
3586** ***** IL
3587+ERR$ MVW X'8000',TUSTATUS SET ON 'NO GOOD' STATUS BIT IL
0035BC 4724 3786 3588+ MVA HEBL,R7 GET ADRS OF CONTROL BLOCK IL
0035C0 601A 3589+ SVC HTOE CONVERT HEX TO EBC VIS DCP IL
0035C2 4020 188E 4040 3590+ MVW X'4040',TUWORK+116 IL
0035C4 4020 1890 4040 3591+ MVW X'4040',TUWORK+118 IL
0035C6 4020 1892 4040 3592+ MVW X'4040',TUWORK+120 IL
0035D4 0004 3593+SPRNT MVBI 4,R5 IL
0035D6 4324 181A 3594+ MVA TUWORK,R3 SET UP BUFFER STORAGE IL
0035DA 680D 377E 3595+ MVW R3,BUFFT IL
0035DE 4124 365A 3596+ MVA LINE1,R1 IL
0035E2 0F04 3597+ MVBI 4,R7 IL
0035E4 0E08 3598+ MVBI 8,R6 IL
0035E6 2B24 3599+MVBUF MVFN (R3),(R1) IL
0035E8 0F04 3600+ MVBI 4,R7 IL
0035EA 0A40 3601+ MVBI X'40',R2 IL
0035EC C258 3602+ MVE R2,(R1)+ IL
0035EE BEF8 3603+ JCT MVBUF,R6 IL
0035F0 0E08 3604+ MVBI 8,R6 IL
0035F2 7921 002C 3605+ AWI 8,R1 IL
0035F4 BDF7 3606+ JCT MVBUF,R5 IL
0035F6 4020 1802 F1F0 3607+ MVW PIDMSG10,PID+2 IL
0035F8 4020 19B8 3784 3608+ MVA FAKETU,@DCADD1 IL
003604 4020 19BA 3780 3609+ MVA DC2PT,@DCADD2 IL
00360A 402C 19C4 0080 3610+ OWI BIT0080,SUPSTAT IL
003610 4324 31FE 3611+ MVA $TUID,R3 SET UP BUFFER STORAGE IL
003614 6F13 18BA 3612+ BAL TUMSGNTR*,R7 GO TO MESSAGE WRITER IL
3613** ***** IL
3614+SCONX EQU * DEVADD,R7 GET DEVICE ADDRESS FROM MDI IL
3615+ MVB R1C RELEASE INTERRUPT CONTROL BLOCK IL
3616+ SVC TURTN* RETURN TO MDI SUPERVISOR IL
3617+ B IL
3618** ***** IL
003622 0009 3619+BEGIN DC A(0009) NUMBER OF LINES TO PRINT IL
003624 0008 3620+ DC A(0008) LINE LENGTH = 8 CHAR IL
003626 5C5C40C1C2D6D9E3 3621+ DC C'* ABORT' IL
003628 0028 3622+ DC A(0040) IL
003630 E3E4C9C440C9D6C9D 3623+ DC C'TUID IOIN ISB INST LINE LENGTH = 40 CHAR IL
003632 0028 3624+ DC A(0040) SECT ID DATA CSCC ' LINE LENGTH = 40 CHAR IL

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00365A 40404040404040404 3625+LINE1 DC C'
003682 0028 DC A(0040)
003684 C3D5E3D340C4C3C2F 3627+ DC C'CNTRL DCB1 DCB2 DCB3 DCB4 CHAD BYCT ADRS
0036AC 0028 DC A(0040)
0036AE 40404040404040404 3629+LINE2 DC C'
0036D6 0028 DC A(0040)
0036D8 C3E260F040C3E260F 3631+ DC C'CS-0 CS-1 CS-2 CS-3 CS-4 CS-5 CS-6 CS-7
003700 0028 DC A(0040)
003702 40404040404040404 3632+ DC C'
00372A 0028 DC A(0040)
00372C C3E260F840C3E260F 3635+ DC C'CS-8 CS-9 CS-A CS-B
003754 0028 DC A(0040)
003756 40404040404040404 3637+LINE4 DC C'
3638+*
3639+BUFPT DC A(*-*)
3640+DC2PT DC A(BEGIN)
3641+FIXTU DC X'0101'
3642+PAKETU DC X'0101'
3643+PIDHSG10 EQU X'F1F0'
3644+BIT0080 EQU X'0080'
3645+*
3646+* DATA CONTROL BLOCK FOR CONVERTING HEX TO EBCDIC
3647+*
3648+HEBLK DC A(58) NUMBER OF BYTES TO CONVERT
3649+ DC A($TUID) FROM ADRS
3650+ DC A(TUWORK) AND THE TO ADRS
3651 COPY T7A10 23JAN78
3652 T7A10 TUIT
3653+*****06FEB76**
3654+*
3655+* TEST UNIT
3656+*
3657+* ERROR HALT CODE/DIAG SENSE BYTE CHECK
3658+*
3659+* PURPOSE
3660+*
3661+* TO MOVE THE ERROR HALT CODE, STATUS BYTE, AND DIAG BYTES 1,2 3
3662+* TO THE TU RESULTS BUFFER (TURESUL).
3663+*
3664+* MDI=$TUXX,T7A10,01,0708,EQ
3665+*
3666+* TURESUL BIT(S) 0-7 ..... ERROR HALT CODE
3667+* . 8-15 ..... STATUS (SENSE) BYTE
3668+* . 16-23 ..... SINGLE SHOT BYTE 1 (5-HURSLEY)
3669+* . 24-31 ..... SINGLE SHOT BYTE 2 (6-HURSLEY)
3670+* . 32-39 ..... SINGLE SHOT BYTE 3 (7-HURSLEY)
3671+* . 40-47 ..... NOT USED
3672+* . 48-63 ..... MULTISAMPLE BYTE 1 (5-HURSLEY)
3673+* . 64-71 ..... MULTISAMPLE BYTE 2 (6-HURSLEY)
3674+* . 72-79 ..... MULTISAMPLE BYTE 3 (7-HURSLEY)
3675+* . 80-87 ..... WRAP BYTE
3676+*
3677+* CALLING SEQUENCE
3678+*
3679+ MVD TUWORK,TURESUL MOVE ERROR HALT CODE & STATUS BYTES
3680+ MVD TUWORK+6,TURESUL+2 SINGLE SHOT BYTES 1, 2, AND 3
3681+ MVD TUWORK+10,TURESUL+6 MULTISAMPLE BYTES 1, 2, AND 3
3682+*
3683+* RETURN CONTROL
3684+*
3685+* B TURTN* RETURN TO MDI SUPERVISOR
3686+*
3687+*****
3688+T7A10 MVD R7,TURTN SAVE RETURN ADDRESS
3689+ MVWI X'7A10', $TUID SAVE TU ID FOR DISPLAY
3690+ MVA OPTN1,R4 SET UP POINTER ADRS IN R4
3691+ BAL $CONC,R6 CLEAR DEV DEP STG AND CONNECT I/O BL
3692+ DC A($ERR$) ERROR ADRS FOR INVALID PREP
3693+*
3694+ MVD TUWORK+2,TURESUL+10 MOVE ERROR WORDS 4,5
3695+ MVB TUWORK+13,TURESUL+5 MOVE WRAP CHECK RESULTS
3696+ TXIT
3697+ B $CONX RETURN TO MDI CONTROLLER
3698+*****
3700 END

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00378C 6F0D 3240
003790 4020 31FE 7A10
003796 4424 31FB
00379A 6E03 3582
00379E 35B6
0037A0 9028 181C 18D2
0037A6 8028 1827 18CD
0037AC 6802 3618
000000

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DECLARED NAME ATTRIBUTES AND REFERENCES

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3545 $CONC ADDRESS. HEX LOCATION(00003582) IN CSECT(I7A28 ) LENGTH(2)
3614 $CONX ADDRESS. HEX LOCATION(00003618) IN CSECT(I7A28 ) LENGTH(1)
3587 $ERR$ ADDRESS. HEX LOCATION(000035B6) IN CSECT(I7A28 ) LENGTH(6)
2251 $INTL ADDRESS. HEX LOCATION(0000323E) IN CSECT(I7A28 ) LENGTH(2)
2216 $IOIN ADDRESS. HEX LOCATION(00003200) IN CSECT(I7A28 ) LENGTH(2)
2217 $ISB ADDRESS. HEX LOCATION(00003202) IN CSECT(I7A28 ) LENGTH(2)
2201 $LE ABSOLUTE. HEX VALUE(00000026)
2215 $TUID ADDRESS. HEX LOCATION(000031FE) IN CSECT(I7A28 ) LENGTH(2)
2664 $WRT1 ADDRESS. HEX LOCATION(0000343A) IN CSECT(I7A28 ) LENGTH(2)
102 @DCADD1 ADDRESS. HEX LOCATION(000019B8) IN CSECT(I7A28 ) LENGTH(1)
103 @DCADD2 ADDRESS. HEX LOCATION(000019BA) IN CSECT(I7A28 ) LENGTH(1)
39 @FIXT ABSOLUTE. HEX VALUE(00000101)
1044 1047 1062 1065 1116 1131 1134 1161 1164
1167 1170 1185 1188 1215 1242 1245 1260 1263
1266 1305 1320 1323 1362 1365 1380 1383 1386
1389 1440 1443 1458 1473 1488 1491 1506 1533
1548 1551 1566 1581 1584 1635 1650 1653 1680
1683 1698 1701 1740 1743 1746 1797 1800 1803
1806 1809 1836 1839 1878 1905 1908 1911 1914
1928 1932 1971 1974 1989 1992 2019 2022 2049
2064 2067 2070
45 @TUXX ABSOLUTE. HEX VALUE(00000500)
825 837 849 861 873 885 897 909 921
936 951 963 975 987 1014 1029 1050 1068
1080 1092 1104 1119 1137 1149 1173 1191 1203
1218 1230 1248 1269 1281 1293 1308 1326 1338
1350 1368 1392 1404 1416 1428 1446 1461 1476
1494 1509 1521 1536 1554 1569 1587 1599 1611
1623 1638 1656 1668 1686 1704 1716 1728 1749
1761 1773 1785 1812 1824 1842 1854 1866 1881
1893 1917 1935 1947 1959 1977 1995 2007 2025
2037 2052
3619 BEGIN ADDRESS. HEX LOCATION(00003622) IN CSECT(I7A28 ) LENGTH(2)
3640 BIT0080 ABSOLUTE. HEX VALUE(00000080)
3639 BUFPT ADDRESS. HEX LOCATION(0000377E) IN CSECT(I7A28 ) LENGTH(2)
2205 CE ABSOLUTE. HEX VALUE(0000002A)
2290 CICB ABSOLUTE. HEX VALUE(00000014)
2387 CLDCB ADDRESS. HEX LOCATION(00003260) IN CSECT(I7A28 ) LENGTH(2)
2203 CS ABSOLUTE. HEX VALUE(00000028)
2204 CSA ABSOLUTE. HEX VALUE(00000029)
2234 CSBUF ADDRESS. HEX LOCATION(0000321E) IN CSECT(I7A28 ) LENGTH(1)
2425 CSDCB ADDRESS. HEX LOCATION(000032A0) IN CSECT(I7A28 ) LENGTH(2)
2224 DCBUF ADDRESS. HEX LOCATION(0000320E) IN CSECT(I7A28 ) LENGTH(1)
3640 DC2PT ADDRESS. HEX LOCATION(00003780) IN CSECT(I7A28 ) LENGTH(2)
105 DEVADD ADDRESS. HEX LOCATION(000019D0) IN CSECT(I7A28 ) LENGTH(1)
2219 DEV1 ADDRESS. HEX LOCATION(00003206) IN CSECT(I7A28 ) LENGTH(2)
2222 DEV4 ADDRESS. HEX LOCATION(0000320C) IN CSECT(I7A28 ) LENGTH(2)
2376 DGDCEB ADDRESS. HEX LOCATION(00003250) IN CSECT(I7A28 ) LENGTH(2)
67 DUMMY ABSOLUTE. HEX VALUE(00000000)
2073 ENTPT ADDRESS. HEX LOCATION(0000309E) IN CSECT(I7A28 ) LENGTH(1)
2196 ER ABSOLUTE. HEX VALUE(00000021)
2276 EXIT ABSOLUTE. HEX VALUE(00000006)
3642 FAKETU ADDRESS. HEX LOCATION(00003784) IN CSECT(I7A28 ) LENGTH(2)
2130 F00045 ADDRESS. HEX LOCATION(00003184) IN CSECT(I7A28 ) LENGTH(1)
2154 F00046 ADDRESS. HEX LOCATION(000031EA) IN CSECT(I7A28 ) LENGTH(1)
2092 F00047 ADDRESS. HEX LOCATION(000030A4) IN CSECT(I7A28 ) LENGTH(1)
2146 F00048 ADDRESS. HEX LOCATION(000031CE) IN CSECT(I7A28 ) LENGTH(1)
2112 F00049 ADDRESS. HEX LOCATION(00003120) IN CSECT(I7A28 ) LENGTH(1)
2134 F00050 ADDRESS. HEX LOCATION(00003192) IN CSECT(I7A28 ) LENGTH(1)
2108 F00051 ADDRESS. HEX LOCATION(00003112) IN CSECT(I7A28 ) LENGTH(1)
2150 F00052 ADDRESS. HEX LOCATION(000031DC) IN CSECT(I7A28 ) LENGTH(1)
2120 F00053 ADDRESS. HEX LOCATION(0000313C) IN CSECT(I7A28 ) LENGTH(1)
2116 F00054 ADDRESS. HEX LOCATION(0000312E) IN CSECT(I7A28 ) LENGTH(1)
2142 F00055 ADDRESS. HEX LOCATION(000031C0) IN CSECT(I7A28 ) LENGTH(1)
2100 F00057 ADDRESS. HEX LOCATION(000030D2) IN CSECT(I7A28 ) LENGTH(1)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
		1009 1012 1045 1264 1444 1549 1798 1993 2050
2104	F00058	2068 ADDRESS. HEX LOCATION(000030F2) IN CSECT(I7A28) LENGTH(1)
2138	F00059	1066 2020 ADDRESS. HEX LOCATION(000031A0) IN CSECT(I7A28) LENGTH(1)
2096	F00060	1684 1801 1804 2023 ADDRESS. HEX LOCATION(000030B2) IN CSECT(I7A28) LENGTH(1)
2124	F00063	1003 1006 1182 1267 1552 1654 1681 1744 1747 ADDRESS. HEX LOCATION(0000314A) IN CSECT(I7A28) LENGTH(1)
3648	HEBLK	1840 1906 1912 ADDRESS. HEX LOCATION(00003786) IN CSECT(I7A28) LENGTH(2)
2296	HTOE	1441 1972 ABSOLUTE. HEX VALUE(0000001A)
2272	IDLE	3588 ABSOLUTE. HEX VALUE(00000002)
2517	ID00	3589 3334 3336 ADDRESS. HEX LOCATION(0000333A) IN CSECT(I7A28) LENGTH(2)
2198	IN	2498 2606 ABSOLUTE. HEX VALUE(00000023)
3515	INTBL	2653 3320 3332 3453 ADDRESS. HEX LOCATION(0000357A) IN CSECT(I7A28) LENGTH(2)
3410	INTER	3550 ADDRESS. HEX LOCATION(000034DE) IN CSECT(I7A28) LENGTH(2)
3419	INTES	3517 ADDRESS. HEX LOCATION(000034F6) IN CSECT(I7A28) LENGTH(2)
3423	INTET	3414 ADDRESS. HEX LOCATION(000034FE) IN CSECT(I7A28) LENGTH(2)
3450	INTOK	3420 ADDRESS. HEX LOCATION(00003502) IN CSECT(I7A28) LENGTH(2)
3472	INTRX	3516 ADDRESS. HEX LOCATION(00003532) IN CSECT(I7A28) LENGTH(2)
3453	INTR1	3466 3470 ADDRESS. HEX LOCATION(0000350A) IN CSECT(I7A28) LENGTH(2)
3458	INTR2	3418 3422 3424 ADDRESS. HEX LOCATION(00003518) IN CSECT(I7A28) LENGTH(1)
3466	INTR3	3455 ADDRESS. HEX LOCATION(00003526) IN CSECT(I7A28) LENGTH(2)
3506	IOBLK	3463 ADDRESS. HEX LOCATION(0000356E) IN CSECT(I7A28) LENGTH(2)
3508	IODCB	2656 3321 3555 ADDRESS. HEX LOCATION(00003572) IN CSECT(I7A28) LENGTH(2)
3509	IOMOD	2590 2593 2596 2604 2615 2618 2621 2624 2632 ADDRESS. HEX LOCATION(00003574) IN CSECT(I7A28) LENGTH(2)
37	I7A28	2636 2640 2667 2670 3003 3309 3554 ADDRESS. HEX LOCATION(00003574) IN CSECT(I7A28) LENGTH(2)
3625	LINE1	2657 2658 3295 3298 3304 CSECT. START(00002500) LENGTH(4784) ESDID(1)
2218	LSTIO	37 ADDRESS. HEX LOCATION(0000365A) IN CSECT(I7A28) LENGTH(40)
2195	MI	3596 ADDRESS. HEX LOCATION(00003204) IN CSECT(I7A28) LENGTH(2)
3599	MVBUF	2643 3307 3558 ABSOLUTE. HEX VALUE(00000020)
2207	NG	3468 ADDRESS. HEX LOCATION(000035E6) IN CSECT(I7A28) LENGTH(2)
2202	NI	3603 3606 ABSOLUTE. HEX VALUE(0000002C)
825	N00001	3471 ABSOLUTE. HEX VALUE(00000027)
837	N00002	3326 ADDRESS. HEX LOCATION(000027A0) IN CSECT(I7A28) LENGTH(2)
849	N00003	315 2083 ADDRESS. HEX LOCATION(000027B2) IN CSECT(I7A28) LENGTH(2)
861	N00004	318 ADDRESS. HEX LOCATION(000027CC) IN CSECT(I7A28) LENGTH(2)
873	N00005	321 ADDRESS. HEX LOCATION(000027E6) IN CSECT(I7A28) LENGTH(2)
885	N00006	324 ADDRESS. HEX LOCATION(000027FE) IN CSECT(I7A28) LENGTH(2)
897	N00007	327 ADDRESS. HEX LOCATION(00002816) IN CSECT(I7A28) LENGTH(2)
909	N00008	330 ADDRESS. HEX LOCATION(00002830) IN CSECT(I7A28) LENGTH(2)
921	N00009	333 ADDRESS. HEX LOCATION(0000284A) IN CSECT(I7A28) LENGTH(2)
933	N00010	336 ADDRESS. HEX LOCATION(00002864) IN CSECT(I7A28) LENGTH(2)
936	N00011	339 ADDRESS. HEX LOCATION(0000287C) IN CSECT(I7A28) LENGTH(2)
948	N00012	342 ADDRESS. HEX LOCATION(00002880) IN CSECT(I7A28) LENGTH(2)
951	N00013	345 922 ADDRESS. HEX LOCATION(0000289A) IN CSECT(I7A28) LENGTH(2)
963	N00014	348 ADDRESS. HEX LOCATION(0000289E) IN CSECT(I7A28) LENGTH(2)
975	N00015	351 937 ADDRESS. HEX LOCATION(000028B6) IN CSECT(I7A28) LENGTH(2)
987	N00016	354 ADDRESS. HEX LOCATION(000028D0) IN CSECT(I7A28) LENGTH(2)
999	N00017	357 ADDRESS. HEX LOCATION(000028E8) IN CSECT(I7A28) LENGTH(2)
1002	N00018	360 ADDRESS. HEX LOCATION(00002900) IN CSECT(I7A28) LENGTH(2)
1005	N00019	363 ADDRESS. HEX LOCATION(00002904) IN CSECT(I7A28) LENGTH(2)
1008	N00020	366 988 ADDRESS. HEX LOCATION(00002908) IN CSECT(I7A28) LENGTH(2)
1011	N00021	369 976 ADDRESS. HEX LOCATION(0000290C) IN CSECT(I7A28) LENGTH(2)
1014	N00022	372 964 ADDRESS. HEX LOCATION(00002910) IN CSECT(I7A28) LENGTH(2)
1026	N00023	375 952 ADDRESS. HEX LOCATION(00002914) IN CSECT(I7A28) LENGTH(2)
1029	N00024	378 910 ADDRESS. HEX LOCATION(0000292C) IN CSECT(I7A28) LENGTH(2)
1041	N00025	381 ADDRESS. HEX LOCATION(00002930) IN CSECT(I7A28) LENGTH(2)
1044	N00026	384 1015 ADDRESS. HEX LOCATION(0000294A) IN CSECT(I7A28) LENGTH(2)

DECLARED	NAME	ATTRIBUTES AND REFERENCES
1047	N00027	390 1030 ADDRESS. HEX LOCATION(00002952) IN CSECT(I7A28) LENGTH(2)
1050	N00028	393 898 ADDRESS. HEX LOCATION(00002956) IN CSECT(I7A28) LENGTH(2)
1062	N00029	396 886 ADDRESS. HEX LOCATION(00002968) IN CSECT(I7A28) LENGTH(2)
1065	N00030	399 ADDRESS. HEX LOCATION(0000296C) IN CSECT(I7A28) LENGTH(2)
1068	N00031	402 1051 ADDRESS. HEX LOCATION(00002970) IN CSECT(I7A28) LENGTH(2)
1080	N00032	405 874 ADDRESS. HEX LOCATION(00002988) IN CSECT(I7A28) LENGTH(2)
1092	N00033	408 ADDRESS. HEX LOCATION(000029A2) IN CSECT(I7A28) LENGTH(2)
1104	N00034	411 ADDRESS. HEX LOCATION(000029B4) IN CSECT(I7A28) LENGTH(2)
1116	N00035	414 ADDRESS. HEX LOCATION(000029CE) IN CSECT(I7A28) LENGTH(2)
1119	N00036	417 ADDRESS. HEX LOCATION(000029D2) IN CSECT(I7A28) LENGTH(2)
1131	N00037	420 1105 ADDRESS. HEX LOCATION(000029E4) IN CSECT(I7A28) LENGTH(2)
1134	N00038	423 ADDRESS. HEX LOCATION(000029E8) IN CSECT(I7A28) LENGTH(2)
1137	N00039	426 1120 ADDRESS. HEX LOCATION(000029EC) IN CSECT(I7A28) LENGTH(2)
1149	N00040	429 1093 ADDRESS. HEX LOCATION(00002A04) IN CSECT(I7A28) LENGTH(2)
1161	N00041	432 ADDRESS. HEX LOCATION(00002A1C) IN CSECT(I7A28) LENGTH(2)
1164	N00042	435 ADDRESS. HEX LOCATION(00002A20) IN CSECT(I7A28) LENGTH(2)
1167	N00043	438 1150 ADDRESS. HEX LOCATION(00002A24) IN CSECT(I7A28) LENGTH(2)
1170	N00044	441 1138 ADDRESS. HEX LOCATION(00002A28) IN CSECT(I7A28) LENGTH(2)
1173	N00045	444 1081 ADDRESS. HEX LOCATION(00002A2C) IN CSECT(I7A28) LENGTH(2)
1185	N00046	447 1069 ADDRESS. HEX LOCATION(00002A3E) IN CSECT(I7A28) LENGTH(2)
1188	N00047	450 ADDRESS. HEX LOCATION(00002A42) IN CSECT(I7A28) LENGTH(2)
1191	N00048	453 1174 ADDRESS. HEX LOCATION(00002A46) IN CSECT(I7A28) LENGTH(2)
1203	N00049	456 862 ADDRESS. HEX LOCATION(00002A5E) IN CSECT(I7A28) LENGTH(2)
1215	N00050	459 ADDRESS. HEX LOCATION(00002A76) IN CSECT(I7A28) LENGTH(2)
1218	N00051	462 ADDRESS. HEX LOCATION(00002A7A) IN CSECT(I7A28) LENGTH(2)
1230	N00052	465 1204 ADDRESS. HEX LOCATION(00002A92) IN CSECT(I7A28) LENGTH(2)
1242	N00053	468 ADDRESS. HEX LOCATION(00002AAC) IN CSECT(I7A28) LENGTH(2)
1245	N00054	471 ADDRESS. HEX LOCATION(00002AB0) IN CSECT(I7A28) LENGTH(2)
1248	N00055	474 1231 ADDRESS. HEX LOCATION(00002AB4) IN CSECT(I7A28) LENGTH(2)
1260	N00056	477 1219 ADDRESS. HEX LOCATION(00002ACE) IN CSECT(I7A28) LENGTH(2)
1263	N00057	480 ADDRESS. HEX LOCATION(00002AD2) IN CSECT(I7A28) LENGTH(2)
1266	N00058	483 1249 ADDRESS. HEX LOCATION(00002AD6) IN CSECT(I7A28) LENGTH(2)
1269	N00059	486 1192 ADDRESS. HEX LOCATION(00002ADA) IN CSECT(I7A28) LENGTH(2)
1281	N00060	489 850 ADDRESS. HEX LOCATION(00002AF2) IN CSECT(I7A28) LENGTH(2)
1293	N00061	492 ADDRESS. HEX LOCATION(00002AF2) IN CSECT(I7A28) LENGTH(2)
1305	N00062	495 ADDRESS. HEX LOCATION(00002B0A) IN CSECT(I7A28) LENGTH(2)
1308	N00063	498 ADDRESS. HEX LOCATION(00002B1C) IN CSECT(I7A28) LENGTH(2)
1320	N00064	501 1294 ADDRESS. HEX LOCATION(00002B38) IN CSECT(I7A28) LENGTH(2)
1323	N00065	504 ADDRESS. HEX LOCATION(00002B3C) IN CSECT(I7A28) LENGTH(2)
1326	N00066	507 1309 ADDRESS. HEX LOCATION(00002B40) IN CSECT(I7A28) LENGTH(2)
1338	N00067	510 1282 ADDRESS. HEX LOCATION(00002B58) IN CSECT(I7A28) LENGTH(2)
1350	N00068	513 ADDRESS. HEX LOCATION(00002B6A) IN CSECT(I7A28) LENGTH(2)
1362	N00069	516 ADDRESS. HEX LOCATION(00002B82) IN CSECT(I7A28) LENGTH(2)
1365	N00070	519 ADDRESS. HEX LOCATION(00002B86) IN CSECT(I7A28) LENGTH(2)
1368	N00071	522 1351 ADDRESS. HEX LOCATION(00002B8A) IN CSECT(I7A28) LENGTH(2)
1380	N00072	525 1339 ADDRESS. HEX LOCATION(00002B9C) IN CSECT(I7A28) LENGTH(2)
1383	N00073	528 ADDRESS. HEX LOCATION(00002BA0) IN CSECT(I7A28) LENGTH(2)
1386	N00074	531 1369 ADDRESS. HEX LOCATION(00002BA4) IN CSECT(I7A28) LENGTH(2)
1389	N00075	534 1327 ADDRESS. HEX LOCATION(00002BA8) IN CSECT(I7A28) LENGTH(2)
1392	N00076	537 1270 ADDRESS. HEX LOCATION(00002BAC) IN CSECT(I7A28) LENGTH(2)
1404	N00077	540 838 ADDRESS. HEX LOCATION(00002BC6) IN CSECT(I7A28) LENGTH(2)
1416	N00078	543 ADDRESS. HEX LOCATION(00002BDE) IN CSECT(I7A28) LENGTH(2)
1428	N00079	546 ADDRESS. HEX LOCATION(00002BF6) IN CSECT(I7A28) LENGTH(2)
1440	N00080	549 ADDRESS. HEX LOCATION(00002C08) IN CSECT(I7A28) LENGTH(2)
1443	N00081	552 ADDRESS. HEX LOCATION(00002C0C) IN CSECT(I7A28) LENGTH(2)
		555 1429

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1446	N00082	ADDRESS. HEX LOCATION(00002C10) IN CSECT(I7A28) LENGTH(2)
1458	N00083	ADDRESS. HEX LOCATION(00002C22) IN CSECT(I7A28) LENGTH(2)
1461	N00084	ADDRESS. HEX LOCATION(00002C26) IN CSECT(I7A28) LENGTH(2)
1473	N00085	ADDRESS. HEX LOCATION(00002C40) IN CSECT(I7A28) LENGTH(2)
1476	N00086	ADDRESS. HEX LOCATION(00002C44) IN CSECT(I7A28) LENGTH(2)
1488	N00087	ADDRESS. HEX LOCATION(00002C5C) IN CSECT(I7A28) LENGTH(2)
1491	N00088	ADDRESS. HEX LOCATION(00002C60) IN CSECT(I7A28) LENGTH(2)
1494	N00089	ADDRESS. HEX LOCATION(00002C64) IN CSECT(I7A28) LENGTH(2)
1506	N00090	ADDRESS. HEX LOCATION(00002C7C) IN CSECT(I7A28) LENGTH(2)
1509	N00091	ADDRESS. HEX LOCATION(00002C80) IN CSECT(I7A28) LENGTH(2)
1521	N00092	ADDRESS. HEX LOCATION(00002C9A) IN CSECT(I7A28) LENGTH(2)
1533	N00093	ADDRESS. HEX LOCATION(00002CAC) IN CSECT(I7A28) LENGTH(2)
1536	N00094	ADDRESS. HEX LOCATION(00002CB0) IN CSECT(I7A28) LENGTH(2)
1548	N00095	ADDRESS. HEX LOCATION(00002CC2) IN CSECT(I7A28) LENGTH(2)
1551	N00096	ADDRESS. HEX LOCATION(00002CC6) IN CSECT(I7A28) LENGTH(2)
1554	N00097	ADDRESS. HEX LOCATION(00002CCA) IN CSECT(I7A28) LENGTH(2)
1566	N00098	ADDRESS. HEX LOCATION(00002CE4) IN CSECT(I7A28) LENGTH(2)
1569	N00099	ADDRESS. HEX LOCATION(00002CE8) IN CSECT(I7A28) LENGTH(2)
1581	N00100	ADDRESS. HEX LOCATION(00002D00) IN CSECT(I7A28) LENGTH(2)
1584	N00101	ADDRESS. HEX LOCATION(00002D04) IN CSECT(I7A28) LENGTH(2)
1587	N00102	ADDRESS. HEX LOCATION(00002D08) IN CSECT(I7A28) LENGTH(2)
1599	N00103	ADDRESS. HEX LOCATION(00002D20) IN CSECT(I7A28) LENGTH(2)
1611	N00104	ADDRESS. HEX LOCATION(00002D3A) IN CSECT(I7A28) LENGTH(2)
1623	N00105	ADDRESS. HEX LOCATION(00002D54) IN CSECT(I7A28) LENGTH(2)
1635	N00106	ADDRESS. HEX LOCATION(00002D6C) IN CSECT(I7A28) LENGTH(2)
1638	N00107	ADDRESS. HEX LOCATION(00002D70) IN CSECT(I7A28) LENGTH(2)
1650	N00108	ADDRESS. HEX LOCATION(00002D8A) IN CSECT(I7A28) LENGTH(2)
1653	N00109	ADDRESS. HEX LOCATION(00002D8E) IN CSECT(I7A28) LENGTH(2)
1656	N00110	ADDRESS. HEX LOCATION(00002D92) IN CSECT(I7A28) LENGTH(2)
1668	N00111	ADDRESS. HEX LOCATION(00002DAA) IN CSECT(I7A28) LENGTH(2)
1680	N00112	ADDRESS. HEX LOCATION(00002DC4) IN CSECT(I7A28) LENGTH(2)
1683	N00113	ADDRESS. HEX LOCATION(00002DC8) IN CSECT(I7A28) LENGTH(2)
1686	N00114	ADDRESS. HEX LOCATION(00002DCC) IN CSECT(I7A28) LENGTH(2)
1698	N00115	ADDRESS. HEX LOCATION(00002DE6) IN CSECT(I7A28) LENGTH(2)
1701	N00116	ADDRESS. HEX LOCATION(00002DEA) IN CSECT(I7A28) LENGTH(2)
1704	N00117	ADDRESS. HEX LOCATION(00002DEE) IN CSECT(I7A28) LENGTH(2)
1716	N00118	ADDRESS. HEX LOCATION(00002E06) IN CSECT(I7A28) LENGTH(2)
1728	N00119	ADDRESS. HEX LOCATION(00002E1E) IN CSECT(I7A28) LENGTH(2)
1740	N00120	ADDRESS. HEX LOCATION(00002E36) IN CSECT(I7A28) LENGTH(2)
1743	N00121	ADDRESS. HEX LOCATION(00002E3A) IN CSECT(I7A28) LENGTH(2)
1746	N00122	ADDRESS. HEX LOCATION(00002E3E) IN CSECT(I7A28) LENGTH(2)
1749	N00123	ADDRESS. HEX LOCATION(00002E42) IN CSECT(I7A28) LENGTH(2)
1761	N00124	ADDRESS. HEX LOCATION(00002E5C) IN CSECT(I7A28) LENGTH(2)
1773	N00125	ADDRESS. HEX LOCATION(00002E74) IN CSECT(I7A28) LENGTH(2)
1785	N00126	ADDRESS. HEX LOCATION(00002E8C) IN CSECT(I7A28) LENGTH(2)
1797	N00127	ADDRESS. HEX LOCATION(00002EA6) IN CSECT(I7A28) LENGTH(2)
1800	N00128	ADDRESS. HEX LOCATION(00002EAA) IN CSECT(I7A28) LENGTH(2)
1803	N00129	ADDRESS. HEX LOCATION(00002EAE) IN CSECT(I7A28) LENGTH(2)
1806	N00130	ADDRESS. HEX LOCATION(00002EB2) IN CSECT(I7A28) LENGTH(2)
1809	N00131	ADDRESS. HEX LOCATION(00002EB6) IN CSECT(I7A28) LENGTH(2)
1812	N00132	ADDRESS. HEX LOCATION(00002EBA) IN CSECT(I7A28) LENGTH(2)
1824	N00133	ADDRESS. HEX LOCATION(00002ED2) IN CSECT(I7A28) LENGTH(2)
1836	N00134	ADDRESS. HEX LOCATION(00002EEC) IN CSECT(I7A28) LENGTH(2)
1839	N00135	ADDRESS. HEX LOCATION(00002EF0) IN CSECT(I7A28) LENGTH(2)
1842	N00136	ADDRESS. HEX LOCATION(00002EF4) IN CSECT(I7A28) LENGTH(2)
1854	N00137	ADDRESS. HEX LOCATION(00002F0C) IN CSECT(I7A28) LENGTH(2)

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
1866	N00138	ADDRESS. HEX LOCATION(00002F26) IN CSECT(I7A28) LENGTH(2)
1878	N00139	ADDRESS. HEX LOCATION(00002F40) IN CSECT(I7A28) LENGTH(2)
1881	N00140	ADDRESS. HEX LOCATION(00002F44) IN CSECT(I7A28) LENGTH(2)
1893	N00141	ADDRESS. HEX LOCATION(00002F5C) IN CSECT(I7A28) LENGTH(2)
1905	N00142	ADDRESS. HEX LOCATION(00002F76) IN CSECT(I7A28) LENGTH(2)
1908	N00143	ADDRESS. HEX LOCATION(00002F7A) IN CSECT(I7A28) LENGTH(2)
1911	N00144	ADDRESS. HEX LOCATION(00002F7E) IN CSECT(I7A28) LENGTH(2)
1914	N00145	ADDRESS. HEX LOCATION(00002F82) IN CSECT(I7A28) LENGTH(2)
1917	N00146	ADDRESS. HEX LOCATION(00002F86) IN CSECT(I7A28) LENGTH(2)
1929	N00147	ADDRESS. HEX LOCATION(00002F9E) IN CSECT(I7A28) LENGTH(2)
1932	N00148	ADDRESS. HEX LOCATION(00002FA2) IN CSECT(I7A28) LENGTH(2)
1935	N00149	ADDRESS. HEX LOCATION(00002FA6) IN CSECT(I7A28) LENGTH(2)
1947	N00150	ADDRESS. HEX LOCATION(00002FB8) IN CSECT(I7A28) LENGTH(2)
1959	N00151	ADDRESS. HEX LOCATION(00002FD2) IN CSECT(I7A28) LENGTH(2)
1971	N00152	ADDRESS. HEX LOCATION(00002FEC) IN CSECT(I7A28) LENGTH(2)
1974	N00153	ADDRESS. HEX LOCATION(00002FF0) IN CSECT(I7A28) LENGTH(2)
1977	N00154	ADDRESS. HEX LOCATION(00002FF4) IN CSECT(I7A28) LENGTH(2)
1989	N00155	ADDRESS. HEX LOCATION(00003006) IN CSECT(I7A28) LENGTH(2)
1992	N00156	ADDRESS. HEX LOCATION(0000300A) IN CSECT(I7A28) LENGTH(2)
1995	N00157	ADDRESS. HEX LOCATION(0000300E) IN CSECT(I7A28) LENGTH(2)
2007	N00158	ADDRESS. HEX LOCATION(00003026) IN CSECT(I7A28) LENGTH(2)
2019	N00159	ADDRESS. HEX LOCATION(00003040) IN CSECT(I7A28) LENGTH(2)
2022	N00160	ADDRESS. HEX LOCATION(00003044) IN CSECT(I7A28) LENGTH(2)
2025	N00161	ADDRESS. HEX LOCATION(00003048) IN CSECT(I7A28) LENGTH(2)
2037	N00162	ADDRESS. HEX LOCATION(00003060) IN CSECT(I7A28) LENGTH(2)
2049	N00163	ADDRESS. HEX LOCATION(00003072) IN CSECT(I7A28) LENGTH(2)
2052	N00164	ADDRESS. HEX LOCATION(00003076) IN CSECT(I7A28) LENGTH(2)
2064	N00165	ADDRESS. HEX LOCATION(00003090) IN CSECT(I7A28) LENGTH(2)
2067	N00166	ADDRESS. HEX LOCATION(00003094) IN CSECT(I7A28) LENGTH(2)
2070	N00167	ADDRESS. HEX LOCATION(00003098) IN CSECT(I7A28) LENGTH(2)
58	OF	ABSOLUTE. HEX VALUE(00000202) 852 864 876 888 900 912 954 966 978 1032 1071 1083 1107 1176 1194 1233 1251 1284 1296 1311 1329 1341 1353 1371 1395 1407 1419 1431 1449 1464 1512 1524 1539 1557 1572 1590 1602 1614 1626 1641 1659 1671 1707 1752 1788 1827 1845 1857 1869 1896 1920 1938 1950 1962
57	ON	ABSOLUTE. HEX VALUE(00000200) 828 840 924 939 990 1017 1053 1095 1122 1140 1152 1206 1221 1272 1479 1497 1689 1719
2160	OPTN1	ADDRESS. HEX LOCATION(000031F8) IN CSECT(I7A28) LENGTH(2)
2183	OPTN3	ADDRESS. HEX LOCATION(000031FC) IN CSECT(I7A28) LENGTH(2)
101	PARMARA	ADDRESS. HEX LOCATION(0000196E) IN CSECT(I7A28) LENGTH(1) 835 847 859 871 883 895 907 919 931 946 961 973 985 997 1024 1039 1060 1078 1090 1102 1114 1129 1147 1159 1183 1201 1213 1228 1240 1258 1279 1291 1303 1318 1336 1348 1360 1378 1402 1414 1426 1438 1456 1471 1486 1504 1519 1531 1546 1564 1579 1597 1609 1621 1633 1648 1666 1678 1696 1714 1726 1738 1759 1771 1783 1795 1822 1834 1852 1864 1876 1891 1903 1927 1945 1957 1969 1987 2005 2017 2035
69	PID	ADDRESS. HEX LOCATION(00001800) IN CSECT(I7A28) LENGTH(1) 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 3607
3643	PIDMSG10	ABSOLUTE. HEX VALUE(0000F1F0)
2282	PREP	ABSOLUTE. HEX VALUE(0000000C)
2458	RDDCB	ADDRESS. HEX LOCATION(000032D0) IN CSECT(I7A28) LENGTH(2) 2612 2613 2615 2670 2671 2672
2289	RICB	ABSOLUTE. HEX VALUE(00000013)
2480	RKDCB	ADDRESS. HEX LOCATION(000032F0) IN CSECT(I7A28) LENGTH(2) 2624 2629
2491	RHDCB	ADDRESS. HEX LOCATION(00003300) IN CSECT(I7A28) LENGTH(2)
2514	RSBA	ADDRESS. HEX LOCATION(0000332A) IN CSECT(I7A28) LENGTH(2) 2604 2380 2396 2407 2418 2440 2451 2462 2473 2484
2403	RSDCB	ADDRESS. HEX LOCATION(00003280) IN CSECT(I7A28) LENGTH(2) 2596 2601

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DECLARED	NAME	ATTRIBUTES AND REFERENCES
0	R0	REGISTER. HEX VALUE(00000000) 2657 2659 2660
0	R1	REGISTER. HEX VALUE(00000001) 3596 3599 3602 3605
0	R2	REGISTER. HEX VALUE(00000002) 3601 3602
0	R3	REGISTER. HEX VALUE(00000003) 2543 2545 2597 2600 2607 2608 2611 2614 2625 2628 2644 2647 2650 2652 2673 2674 3295 3308 3311 3312 3315 3317 3374 3375 3376 3410 3411 3417 3421 3450 3451 3456 3469 3501 3546 3548 3549 3557 3594 3595 3599 3611
0	R4	REGISTER. HEX VALUE(00000004) 2653 2654 2655 3301 3302 3305 3319 3320 3322 3323 3326 3332 3340 3412 3413 3415 3419 3423 3452 3453 3454 3464 3465 3466 3468 3471 3481 3483 3485 3488 3490 3690
0	R5	REGISTER. HEX VALUE(00000005) 2544 2545 2598 2600 2606 2608 2612 2614 2626 2628 2645 2647 2648 2650 2672 2674 3309 3311 3313 3315 3331 3338 3460 3461 3462 3493 3494 3496 3498 3547 3548 3593 3606
0	R6	REGISTER. HEX VALUE(00000006) 2546 2547 2643 3307 3327 3341 3377 3482 3487 3489 3497 3500 3502 3552 3558 3560 3598 3603 3604 3691
0	R7	REGISTER. HEX VALUE(00000007) 2652 2654 2599 2605 2613 2627 2646 2649 2656 2671 3310 3314 3321 3416 3457 3545 3550 3555 3588 3597 3600 3612 3615 3688
2223	SCTID	ADDRESS. HEX LOCATION(00003206) IN CSECT(I7A28) LENGTH(2) 2410 2487 2543 2598 2601 2626 2629
2414	SKDCB	ADDRESS. HEX LOCATION(00003290) IN CSECT(I7A28) LENGTH(2) 2590
2280	START	ABSOLUTE. HEX VALUE(0000000A) 3324
104	SUPSTAT	ADDRESS. HEX LOCATION(000019C4) IN CSECT(I7A28) LENGTH(1) 3610
92	TUMSGWTR	ADDRESS. HEX LOCATION(000018BA) IN CSECT(I7A28) LENGTH(1) 3612
98	TURESUL	ADDRESS. HEX LOCATION(000018C8) IN CSECT(I7A28) LENGTH(1) 3694 3695
2252	TURTN	ADDRESS. HEX LOCATION(00003240) IN CSECT(I7A28) LENGTH(2) 3617 3688
74	TUSTATUS	ADDRESS. HEX LOCATION(00001818) IN CSECT(I7A28) LENGTH(1) 3587
75	TUWORK	ADDRESS. HEX LOCATION(0000181A) IN CSECT(I7A28) LENGTH(1) 3590 3591 3592 3594 3650 3694 3695
2261	T7A02	ADDRESS. HEX LOCATION(00003248) IN CSECT(I7A28) LENGTH(6) 839 851 863 875 887 899 911 923 938 953 966 977 989 1016 1031 1052 1070 1082 1094 1106 1121 1139 1151 1175 1193 1205 1220 1232 1250 1271 1283 1295 1310 1328 1340 1352 1370 1394 1406 1418 1430 1448 1463 1478 1496 1511 1523 1538 1556 1571 1589 1601 1613 1625 1640 1658 1670 1688 1706 1718 1730 1751 1763 1775 1787 1814 1826 1844 1856 1868 1883 1895 1919 1937 1949 1961 1979 1997 2009 2027 2039 2054
3688	T7A10	ADDRESS. HEX LOCATION(0000378C) IN CSECT(I7A28) LENGTH(4) 827
2447	VRDCB	ADDRESS. HEX LOCATION(000032C0) IN CSECT(I7A28) LENGTH(2) 2618
2469	WKDCB	ADDRESS. HEX LOCATION(000032E0) IN CSECT(I7A28) LENGTH(2) 2632 2633
2436	WRDCB	ADDRESS. HEX LOCATION(000032B0) IN CSECT(I7A28) LENGTH(2) 2621 2667
2286	WRITO	ABSOLUTE. HEX VALUE(00000010) 2662
2287	WRIT1	ABSOLUTE. HEX VALUE(00000011) 2664
2508	WRSID	ADDRESS. HEX LOCATION(0000331E) IN CSECT(I7A28) LENGTH(2) 2399 2476 2544 2633 2637
2392	WSDCB	ADDRESS. HEX LOCATION(00003270) IN CSECT(I7A28) LENGTH(2) 2636 2637
2199	XE	ABSOLUTE. HEX VALUE(00000024) 3419 3481
2197	XI	ABSOLUTE. HEX VALUE(00000022) 2655 3323 3466
3295	XIO	ADDRESS. HEX LOCATION(00003460) IN CSECT(I7A28) LENGTH(4) 2591 2594 2602 2609 2616 2619 2622 2630 2634 2638 2641
3481	XIOCK	ADDRESS. HEX LOCATION(00003534) IN CSECT(I7A28) LENGTH(2) 3333
3488	XIOCO	ADDRESS. HEX LOCATION(00003546) IN CSECT(I7A28) LENGTH(2) 3486
3498	XIOCO	ADDRESS. HEX LOCATION(0000355C) IN CSECT(I7A28) LENGTH(4) 3495
3303	XIOCS	ADDRESS. HEX LOCATION(00003472) IN CSECT(I7A28) LENGTH(6) 3499
3490	XIOCV	ADDRESS. HEX LOCATION(0000354A) IN CSECT(I7A28) LENGTH(2) 3484
3501	XIOCX	ADDRESS. HEX LOCATION(00003568) IN CSECT(I7A28) LENGTH(4) 3491
3298	XIODG	ADDRESS. HEX LOCATION(00003466) IN CSECT(I7A28) LENGTH(6) 2668 2675
3374	XIOER	ADDRESS. HEX LOCATION(000034D2) IN CSECT(I7A28) LENGTH(2) 3507
3307	XIO1	ADDRESS. HEX LOCATION(00003482) IN CSECT(I7A28) LENGTH(4) 3296 3299
3320	XIO2	ADDRESS. HEX LOCATION(000034A8) IN CSECT(I7A28) LENGTH(2) 3306
3332	XIO8	ADDRESS. HEX LOCATION(000034BE) IN CSECT(I7A28) LENGTH(2) 2663 2665 3339