

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
101			JOB		FORTRAN COMPILER -- STMT NUMBERS THREE -- PHASE 29								
102			CTL		6611								
103			*										
104			*		THE THREE-CHARACTER EQUIVALENTS OF STATEMENT NUMBERS								
105			*		APPEARING WITHIN STATEMENTS (GENERATED BY STATEMENT								
106			*		NUMBERS PHASE ONE) ARE PLACED IN A TABLE.								
107			*										
108			*		ON ENTRY, 83 IS ONE BELOW THE BOTTOM OF THE NUMBERS, FORMATS								
109			*		AND I/O LISTS IN HIGH CORE, AND X1 AND X2 ARE THE TOP OF								
110			*		CODE IN LOW CORE.								
111			*										
112			X1	EQU	89			0089					
113			X2	EQU	94			0094					
114			X3	EQU	99			0099					
115			*										
116			*		STUFF IN THE RESIDENT AREA								
117			*										
118			NXBTM	EQU	83			0083					
119			TBLBOT	EQU	145 ONE BELOW NUMBERS, FORMATS, I/O LISTS			0145					
120			*										
121				EXT00	SNAPSH, LOADNX, CDOVLY							MACRO	
122			SNAPSH	EQU	333			0333				GEN	
123			PHASLD	EQU	381			0381				GEN	
124			SNAPEX	EQU	564			0564				GEN	
125			LOADNX	EQU	700 CARD OVERLAY UNLESS NOP			0700				GEN	
126			CDOVLY	EQU	700 1 IF LOADING FROM CARDS, N IF FROM TAPE			0700				GEN	
127			TPREAD	EQU	704 LOAD OVERLAY FROM TAPE			0704				GEN	
128			TPERR	EQU	728			0728				GEN	
129			*										
130				EXT28	STUFF IN PHASE 28							MACRO	
131			TOPCD9	EQU	840 TOP OF CODE & 5 & X00 - 1			0840				GEN	
132			DIFF16	EQU	846 16 * (BOTTAB - 1 - TOPCD9)			0846				GEN	
133			BNDRY	EQU	849 TOPCD9 + 0.48 * (BOTTAB - 1 - TOPCD9)			0849				GEN	
134			BOTTAB	EQU	852 BOTTOM OF TABLES			0852				GEN	
135			MOVEDN	EQU	853			0853				GEN	
136			BEGN28	EQU	937 TOP OF CODE			0937				GEN	
137				EXT36	STUFF IN PHASE 36 -- NDRITH							MACRO	
138			NDRITH	EQU	3123			3123				GEN	
139			*										
140			110	DCW	@STNUM TRI@		9	0110				1	
141			*										
142			PHAS29	LDPH	STNUM TRI, LOADAD, BEGN29, , , 29							MACRO	
			*	PHAZ	LDPH [PHASID], LOADAD, ENTAD[, SKIPFG, SKIP], [NUMBER] [, HALT]							GEN	
			*	XFR	PHASZ PROHIBITED IN A MACRO							GEN	
			*									GEN	
			*	LOAD	A BLOCK							GEN	
			*									GEN	
143			)6J004	EQU	110 PHASE ID			0110				GEN	
144			)6K004	EQU	700 LOAD NEXT PHASE			0700				GEN	
145			)6L004	EQU	704 TAPE READ INSTRUCTION			0704				GEN	

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
146			)6M004	EQU	728 TAPE ERROR HANDLER			0728		GEN			
			*							GEN			
147				ORG	201				0201				
148			PHAS29	BSS	)8J004,G	5	0201	B 257	G	GEN	2	257	
149				NOP	TO PATCH IN TRAPS FOR DEBUGGING	1	0206	N		GEN	2		
150			)0J004	EQU	*&1			0207		GEN			
151				LCA	)9J004,)6J004	7	0207	L 281	110	GEN	2	281	110
152				BCE	)1J004,)6K004,1 Q: LOADING FROM CARDS?	8	0214	B 250	700 1	GEN	2	250	700
153				BCE	)1J004,)6L004&4,0 Q: LOADING FROM AUTOCODER TAPE?	8	0222	B 250	708 0	GEN	2	250	708
154				RTW	1,LOADAD READ THE BLOCK	8	0230	L %U1	937 R	GEN	2	%U1	937
155				BER	)6M004 Q: TAPE ERROR?	5	0238	B 728	L	GEN	3	728	
156				CS	BEGN29,)9R004 ENTER THE BLOCK	7	0243	/ /50	285	GEN	3	1150	285
157			)1J004	CS	)6K004,)9R004 LOAD CARDS OR AUTOCODER TAPE	7	0250	/ 700	285	GEN	3	700	285
158			)8J004	SW	)9R004	4	0257	,	285	GEN	3	285	
159				MU	%T0,)8K004,W	8	0261	M %T0	273 W	GEN	3	%T0	273
160				H	)0J004	4	0269	.	207	GEN	3	207	
161			)8K004	EQU	*&1			0273		GEN			
162			)9J004	DCW	@STNUM TRI@ PHASE ID	9	0281			GEN	4		
163				DCW	#1	1	0282			GEN	4		
164				DC	@29@ PHASE NUMBER	2	0284			GEN	4		
165			)9R004	DCW	@}@	1	0285			GEN	4		
166				XFR	PHAS29			B 201			4	201	
167			*										
168				ORG	BEGN28			0937					
169			LOADAD	EQU	*&1 LOAD ADDRESS			0937					
170			*										
171			*	MOVE	EITHER PREFIX OR STATEMENT UP								
172			*										
173	*	937	MOVE	SBR	MOVEX&3	4	0937	H 963			5	963	
174		941		LCA	0&X1,0&X2	7	0941	L 0 0	0 0		5	000+1	000+2
175		948		SAR	X1	4	0948	Q 089			5	089	
176		952		C	0&X2	4	0952	C 0 0			5	000+2	
177		956		SAR	X2	4	0956	Q 094			5	094	
178		960	MOVEX	B	0	4	0960	B 000			5	000	
179			*										
180			*	COMPUTE	HASH PROBE FOR SOUGHT AND LEAVE IT IN X1. SAVE								
181			*		-3&X1 IN SX1A.								
182			*										
183	*	964	HASH	SBR	HASHX&3	4	0964	H  47			5	1047	
184		968		MCW	0&X1, SOUGHT	7	0968	M 0 0	51		6	000+1	1051
185		975		SAR	SX1A	4	0975	Q  54			6	1054	
186		979		MN	SOUGHT,W4	7	0979	D  51	58		6	1051	1058
187		986		MN		1	0986	D			6		
188		987		MN		1	0987	D			6		
189		988		MN		1	0988	D			6		
190		989		S	DIFF16-2,W4	7	0989	S 844	58		6	844	1058
191		996		BWZ	*-14,W4,B	8	0996	V 989	58 B		7	989	1058
192	1	004		A	DIFF16-2,W4	7	1004	A 844	58		7	844	1058
193	1	011		MZ	*-4,W4	7	1011	Y  13	58		7	1013	1058
194	1	018		MCW	W4,X1	7	1018	M  58	089		7	1058	089

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
195	1	025		A	X1	4		1025	A 089		7	089	
196	1	029		A	W4,X1	7		1029	A  58 089		8	1058	089
197	1	036	SAVTOP	NOP	0-0 WHY NOT JUST	4		1036	N 000		8	000	
198	1	040		SAR	X1 SBR X1,0-0 ?	4		1040	Q 089		8	089	
199	1	044	HASHX	B	0	4		1044	B 000		8	000	
200			*										
201	1	048		DCW	#1	1		1048			8		
202	*1	051	SOUGHT	DCW	#3	3		1051			8		
203	*1	054	SX1A	DCW	#3	3		1054			8		
204	1	058	W4	DCW	#4	4		1058			9		
205	*1	062	SEQCOD	DCW	#4	4		1062			9		
206	*1	065	SAVBOT	DCW	#3 BOTTOM OF I/O STRINGS, FORMAT, NUMBERS - 1	3		1065			9		
207			*										
208	*1	066	TOOBIG	CS	332	4		1066	/ 332		9	332	
209	1	070		CS		1		1070	/		9		
210	1	071		CC	1	2		1071	F 1		9		
211	1	073		MCW	ERR2,270	7		1073	M /49 270		9	1149	270
212	1	080		W		1		1080	2		10		
213	1	081		CC	1	2		1081	F 1		10		
214	1	083		BCE	HALT,CDOVLY,1	8		1083	B  96 700 1		10	1096	700
215	1	091		RWD	1	5		1091	U %U1 R		10	%U1	
216	1	096	HALT	H	HALT	4		1096	.  96		10	1096	
217			*										
218	1	100	DONE	MCW	SX1,X1	7		1100	M /13 089		10	1113	089
219	1	137		B	LOADNX	4		1107	B 700		10	700	
220	*1	143	SX1	DCW	#3	3		1113			11		
221	1	179	ERR2	DCW	@MESSAGE 2 - OBJECT PROGRAM TOO LARGE@	36		1149			11		
222			*										
223	*1	187	BEGN29	MCW	NXBTM,SAVBOT	7		1150	M 083  65		12	083	1065
224	1	194		MCW	NXBTM,TBLBOT	7		1157	M 083 145		12	083	145
225	1	201		MCW	TOPCD9,SAVTOP&3	7		1164	M 840  39		12	840	1039
226	1	208		MZ	X1ZONE,SAVTOP&2 X1 ZONE	7		1171	Y W30  38		12	1630	1038
227	1	215		SBR	BOTTAB,2&X2 BOTTAB IS NOT TOP OF CODE & 2	7		1178	H 852 0!2		12	852	002+2
228	1	222		MCW	X1,SX1	7		1185	M 089 /13		13	089	1113
229	1	229	NXSTMT	MCW	0&X1,SEQCOD	7		1192	M 0 0  62		13	000+1	1062
230	1	236		BCE	COMPGO,SEQCOD-3,T COMPUTED GOTO?	8		1199	B T30  59 T		13	1330	1059
231	1	244		MCW	BRANCH,SWICH2	7		1207	M W31 V46		13	1631	1546
232	1	251		MCW	SAVBOT,NXBTM	7		1214	M  65 083		13	1065	083
233	1	258		C	X1,X2	7		1221	C 089 094		14	089	094
234	1	265		BE	TSTEND	5		1228	B S37 S		14	1237	
235	1	270		B	MOVEDN	4		1233	B 853		14	853	
236	1	274	TSTEND	BCE	DONE,0&X1,	8		1237	B /00 0 0		14	1100	000+1
237	1	282		MCW	0&X1,SEQCOD	7		1245	M 0 0  62		14	000+1	1062
238	1	289		B	MOVE MOVE UP PREFIX	4		1252	B 937		14	937	
239	1	293		MCW	SEQCOD-3,*&8	7		1256	M  59 S70		15	1059	1270
240	1	300		BCE	LABELS,STMTS,0	8		1263	B S84 W37 0		15	1284	1637
241	1	308		B		1		1271	B		15		
242	1	309		B		1		1272	B		15		
243	1	310		B		1		1273	B		15		
244	1	311		B		1		1274	B		15		

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245	1	312		B		1		1275	B		15		
246	1	313	CONT	B	MOVE MOVE UP BODY	4		1276	B 937		16	937	
247	1	317		B	TSTEND	4		1280	B S37		16	1237	
248			*										
249			*		AN INTERESTING STATEMENT -- ONE CONTAINING LABELS OF OTHER								
250			*		EXECUTABLE STATEMENTS. NOT AN I/O STATEMENT CONTAINING A								
251			*		FORMAT LABEL.								
252			*										
253			*		??? THIS DOESN'T WORK FOR COMPUTED GOTO, BECAUSE IT DOESN'T								
254			*		HAVE A COMMA. IT ENDS UP PUTTING THE VARIABLE IN THE LABEL								
255			*		TABLE. ???								
256			*										
257	1	321	LABELS	B	HASH	4		1284	B 964		16	964	
258	1	325		B	LOOKUP	4		1288	B U96		16	1496	
259	1	329		MCW	X3,0&X2 MOVE TABLE ADDRESS TO CODE	7		1292	M 099 0!0		16	099	000+2
260	1	336		SBR	X2	4		1299	H 094		16	094	
261	1	340		MCW	SX1A,X1	7		1303	M  54 089		16	1054	089
262	1	347		BCE	CONT,0&X1,}	8		1310	B S76 0 0 } GMARK		17	1276	000+1
263	1	355		BCE	CONT,0&X1,,	8		1318	B S76 0 0 ,		17	1276	000+1
264	1	363		B	LABELS	4		1326	B S84		17	1284	
265			*										
266			*		COMPUTED GOTO								
267			*		??? THIS LOOKS BUGGY. COMPUTED GOTO DOESN'T HAVE								
268			*		A COMMA IN IT, AND X3 IS OFF BY ONE. ???								
269			*										
270	1	367	COMPGO	C	0&X1 GET TO TOP OF BODY	4		1330	C 0 0		17	000+1	
271	1	371		MN		1		1334	D		17		
272	1	372		SAR	X3	4		1335	Q 099		17	099	
273	1	376		S	W3B	4		1339	S W40		17	1640	
274	1	380	COMPL1	MN	0&X3	4		1343	D 0?0		18	000+3	
275	1	384		MN		1		1347	D		18		
276	1	385		MN		1		1348	D		18		
277	1	386		SAR	X3	4		1349	Q 099		18	099	
278	1	390		A	K1,W3B	7		1353	A W41 W40		18	1641	1640
279	1	397		BCE	*&5,1&X3,,	8		1360	B T72 0?1 ,		18	1372	001+3
280	1	405		B	COMPL1	4		1368	B T43		18	1343	
281	1	409		S	KP11,W3B	7		1372	S W43 W40		19	1643	1640
282	1	416		BWZ	COMP2,W3B,B	8		1379	V T99 W40 B		19	1399	1640
283	1	424		B	MOVE	4		1387	B 937		19	937	
284	1	428	COMPFN	B	MOVE	4		1391	B 937		19	937	
285	1	432		B	NXSTMT	4		1395	B /92		19	1192	
286	1	436	COMP2	MN	0&X1	4		1399	D 0 0		19	000+1	
287	1	440		MN		1		1403	D		19		
288	1	441		MN		1		1404	D		20		
289	1	442		MCW	KH	4		1405	M W44		20	1644	
290	1	446		B	MOVE	4		1409	B 937		20	937	
291	1	450		MCW	X3,SX3	7		1413	M 099 W47		20	099	1647
292	1	457		MN	0&X3	4		1420	D 0?0		20	000+3	
293	1	461		MN		1		1424	D		20		
294	1	462		SAR	X1	4		1425	Q 089		20	089	

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295	1	466		A	KP9,W3B	7		1429	A W48 W40		21	1648	1640
296	1	473	COMPL2	SBR	X1,6&X1	7		1436	H 089 0 6		21	089	006+1
297	1	480		B	HASH	4		1443	B 964		21	964	
298	1	484		B	LOOKUP	4		1447	B U96		21	1496	
299	1	488		MCW	SX1A,X1	7		1451	M  54 089		21	1054	089
300	1	495		BCE	*&5,4&X1,} END OF STATEMENT?	8		1458	B U70 0 4 } GMARK		21	1470	004+1
301	1	503		B	COMPL2	4		1466	B U36		22	1436	
302	1	507		MCW	SAVBOT,0&X2	7		1470	M  65 0!0		22	1065	000+2
303	1	514		MCW	W3B	4		1477	M W40		22	1640	
304	1	518		SBR	X2	4		1481	H 094		22	094	
305	1	522		MCW	SX3,X1	7		1485	M W47 089		22	1647	089
306	1	529		B	COMPFN	4		1492	B T91		22	1391	
307				*									
308				*	LOOKUP SOUGHT IN THE HASH TABLE. INSERT BOTTOM OF TABLES								
309				*	ADDRESS IN HASH TABLE IF NOT FOUND, COPY SOUGHT TO								
310				*	BOTTOM OF TABLES, AND DECREMENT BOTTOM OF TABLES ADDRESS.								
311				*									
312	1	533	LOOKUP	SBR	LOOKX&3	4		1496	H W07		22	1607	
313	1	537		MCW	NOP,SWITCH INDICATE FIRST TIME	7		1500	M W49 W08		23	1649	1608
314	1	544	LOOKL	MCW	0&X1,X3	7		1507	M 0 0 099		23	000+1	099
315	1	551		SAR	X1	4		1514	Q 089		23	089	
316	1	555		BCE	EMPTY,3&X1,	8		1518	B V69 0 3		23	1569	003+1
317	1	563		BCE	SWITCH,3&X1,<	8		1526	B W08 0 3 <		23	1608	003+1
318	1	571		C	0&X3, SOUGHT	7		1534	C 0?0  51		24	000+3	1051
319	1	578		BU	LOOKL	5		1541	B V07 /		24	1507	
320	1	583	SWICH2	NOP	LOOKX	4		1546	N W04		24	1604	
321	1	587		MCW	SAVBOT,0&X3	7		1550	M  65 0?0		24	1065	000+3
322	1	594		SBR	X3	4		1557	H 099		24	099	
323	1	598		MZ	KBA,2&X3	7		1561	Y W51 0?2		24	1651	002+3
324	1	605		CW		1		1568	)		24		
325	1	606	EMPTY	LCA	SAVBOT,3&X1	7		1569	L  65 0 3		25	1065	003+1
326	1	613		MCW	SAVBOT,X3	7		1576	M  65 099		25	1065	099
327	1	620		BCE	TOOBIG,0&X3,<	8		1583	B  66 0?0 <		25	1066	000+3
328	1	628		B		1		1591	B		25		
329	1	629		B		1		1592	B		25		
330	1	630		LCA	SOUGHT,0&X3	7		1593	L  51 0?0		25	1051	000+3
331	1	637		SBR	SAVBOT	4		1600	H  65		25	1065	
332	1	641	LOOKX	B	0	4		1604	B 000		26	000	
333				*									
334	1	645	SWITCH	NOP	TOOBIG	4		1608	N  66		26	1066	
335	1	649		MCW	BRANCH,SWITCH	7		1612	M W31 W08		26	1631	1608
336	1	656		MCW	BNDRY,X1	7		1619	M 849 089		26	849	089
337	1	663		B	LOOKL	4		1626	B V07		26	1507	
338				*									
339	1	667	X1ZONE	DCW	@S@	1		1630			26		
340	1	668	BRANCH	B		1		1631	B		26		
341	1	674	STMTS	DCW	@WTDEGK@ CODES FOR STATEMENTS WITH LABELS	6		1637			27		
342	1	677	W3B	DCW	#3	3		1640			27		
343	1	678	K1	DCW	1	1		1641			27		
344	1	680	KP11	DCW	&11	2		1643			27		

SEQ	PG	LIN	LABEL	OP	OPERANDS	SFX	CT	LOCN	INSTRUCTION	TYPE	CARD	A-ADDR	B-ADDR
345	1	681	KH	DCW	@H@	1		1644			27		
346	1	684	SX3	DCW	#3	3		1647			27		
347	1	685	KP9	DCW	&9	1		1648			27		
348	1	686	NOP	NOP		1		1649	N		28		
349	1	688	KBA	DCW	@ A@	2		1651			28		
350	1	689	GMWM	DCW	@)@	1		1652		GMARK	28		
351			ORG	NDRITH&X00	MOKOTOFF V3M0.LST LINE 6191				3200				
352			ORG	*-5	THIS DOESN'T GET ONTO THE TAPE				3195				
353			DCW	#5	WHAT WAS IT FOR? JUST LEFTOVER JUNK?	5		3199			29		
354	*		SAUCE	EQU	*&1			3200					
355			XFR	BEGN29					B /50		29	1150	
356			CLRME	CLRA	BEGN29,GMWM,C					MACRO			
			*	CLRA	CLRBOT,CLRTOP[,SS,HERE,GWMAD]					GEN			
			*							GEN			
			*	CLEAR CORE	AFTER A PHASE USING THE CLRTOP ADDRESS					GEN			
			*							GEN			
357			ORG	201					0201				
			*							GEN			
			*	CLEAR DOWN	TO CLRBOT & X00 THE EASY WAY					GEN			
			*							GEN			
358			CLRME	EQU	*&1			0201		GEN			
359			BSS	SNAPSH,C		5		0201	B 333 C	GEN	30	333	
360			)0J005	CS	GMWM CLEAR FROM CLRTOP	4		0206	/ W52	GEN	30	1652	
361			SBR	)0J005&3		4		0210	H 209	GEN	30	209	
362			SBR	)0L005&6		4		0214	H 255	GEN	30	255	
363			C	)0J005&3,)0M005	DOWN TO CLRBOT & X00?	7		0218	C 209 266	GEN	30	209	266
364			BU	)0J005		5		0225	B 206 /	GEN	30	206	
			*							GEN			
			*	NOW CLEAR	DOWN TO CLRBOT THE HARD WAY					GEN			
			*							GEN			
365			)0K005	C	)0L005&6,)0N005	7		0230	C 255 269	GEN	30	255	269
366			BU	)0L005		5		0237	B 249 /	GEN	31	249	
367			CS	LOADNX,)0Q005	LOAD THE NEXT BLOCK AT 1	7		0242	/ 700 276	GEN	31	700	276
368			)0L005	LCA	)0P005,0-0 CLEAR WITH BLANK AND WORD MARK	7		0249	L 270 000	GEN	31	270	000
369			SBR	)0L005&6		4		0256	H 255	GEN	31	255	
370			B	)0K005		4		0260	B 230	GEN	31	230	
371			)0M005	DSA	)0R005 CLRBOT & X00 - 1	3		0266	/99	GEN	31	1199	
372			)0N005	DSA	BEGN29 CLRBOT	3		0269	/50	GEN	31	1150	
373			)0P005	DCW	#1	1		0270		GEN	32		
374			DC	@CLRA @	IDENTIFY IN A DECK, TAPE, OR DUMP	5		0275		GEN	32		
375			)0Q005	DCW	@)@	1		0276		GEN	32		
376			ORG	BEGN29&X00					1200				
377			)0R005	EQU	* CLRBOT & X00 - 1			1199		GEN			
378			XFR	CLRME					B 201		32	201	

SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
)0J004	0207: 0	)0J005	0206: 0	)0K005	0230: 0	)0L005	0249: 0	)0M005	0266: 0	)0N005	0269: 0
)0P005	0270: 0	)0Q005	0276: 0	)0R005	1199: 0	)1J004	0250: 0	)6J004	0110: 0	)6K004	0700: 0
)6L004	0704: 0	)6M004	0728: 0	)8J004	0257: 0	)8K004	0273: 0	)9J004	0281: 0	)9R004	0285: 0
BEGN28	0937: 0	BEGN29	1150: 0	BNDRY	0849: 0	BOTTAB	0852: 0	BRANCH	1631: 0	CDOVLY	0700: 0
CLRME	0201: 0	COMPFN	1391: 0	COMP2	1399: 0	COMPGO	1330: 0	COMPL1	1343: 0	COMPL2	1436: 0
CONT	1276: 0	DIFF16	0846: 0	DONE	1100: 0	EMPTY	1569: 0	ERR2	1149: 0	GMWM	1652: 0
HALT	1096: 0	HASH	0964: 0	HASHX	1044: 0	K1	1641: 0	KBA	1651: 0	KH	1644: 0
KP11	1643: 0	KP9	1648: 0	LABELS	1284: 0	LOADAD	0937: 0	LOADNX	0700: 0	LOOKL	1507: 0
LOOKUP	1496: 0	LOOKX	1604: 0	MOVE	0937: 0	MOVEDN	0853: 0	MOVEX	0960: 0	NDRITH	3123: 0
NOP	1649: 0	NXBTM	0083: 0	NXSTMT	1192: 0	PHAS29	0201: 0	PHASLD	0381: 0	SAUCE	3200: 0
SAVBOT	1065: 0	SAVTOP	1036: 0	SEQCOD	1062: 0	SNAPEX	0564: 0	SNAPSH	0333: 0	SOUGHT	1051: 0
STMTS	1637: 0	SWICH2	1546: 0	SWITCH	1608: 0	SX1	1113: 0	SX1A	1054: 0	SX3	1647: 0
TBLBOT	0145: 0	TOOBIG	1066: 0	TOPCD9	0840: 0	TPERR	0728: 0	TPREAD	0704: 0	TSTEND	1237: 0
W3B	1640: 0	W4	1058: 0	X1	0089: 0	X1ZONE	1630: 0	X2	0094: 0	X3	0099: 0

## UNREFERENCED SYMBOLS

PHASLD SAUCE SNAPEX TPERR TPREAD