

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	230106
1*	230106.40	230111.22	30		LV,\$9,RRCCW		OB000295
2*	230107.00	000017.23	00		V-I,\$9,15.0		OB000295
3*	230107.40	230411.00	80	000000.12 A9	TI,5,RDLECF,0.0(\$9)		OB000296
4*	230110.40	224162.50	00		B,VRDEE		OB000297
5*	230111.00	000000.40+	000	000000 000000	RRCCW XW,C.32,0		OB000298
6*	230112.00	777777.37	81	RCREJB	LVE,\$15,-1.0(VP)		OB000299
7*	230112.40	224310.37	04		KVI,\$15,VSC10+1.0		OB000299
8*	230113.00 *	230116.32	C0		BZXE,\$+3.0		OB000299
9*	230113.40	000033.22	30		LV,VT5,VS2		OB000300
10*	230114.00	000000.27	01		LVI,VS2,C		OB000300
11*	230114.40	000000.00	81		SIC,(VP)		OB000301
12*	230115.00	224456.43	48		CB+,VP,VNXT		OB000301
13*	230115.40	225250.07	01		LVI,VU,VSC		OB000302
14*	230116.00	230120.63	09		LVNI,VT5,RCNXRJ		OB000302
15*	230116.40	000000.00	81		SIC,(VP)		OB000303
16*	230117.00	224456.43	48		CB+,VP,VNXT		OB000303
17*	230117.40	225250.07	01		LVI,VU,VSC		OB000304
18*	230120.00	224671.43	C8	RSAM	CB-,VP,VSETX		OB000305
19*	230120.40	225266.07	04	RCNXRJ	KVI,VU,VWT		OB000306
20*	230121.00	230251.32	C2		BXE,RECRWT		OB000306
21*	230121.40	777777.37	B1		LVE,\$15,-1.0(VP)		OB000307
22*	230122.00	225176.77	04		KVI,\$15,VSWP3+1.0		OB000308
23*	230122.40	230151.32	C2		BXE,RSCNO		OB000308
24*	230123.00	224602.77	04	RK1000	KVI,\$15,VSECJ+2.0		OB000309
25*	230123.40	230120.32	C2		BXE,RSAM		OB000309
26*	230124.00	224105.04	80	230146.34 02	BB,VVSCR.4,RCCMMK		OB000310
27*	230125.00	224104.00	80	224103.01 A0	TBI,16,ZLSTBF,ZLSTBF-1.0		OB000311
28*	230126.00 *	230134.00	80	224064.10 AC	TI,4,RBFFUK,ZMSGBF		OB000312
29*	230127.00	215571.00	80		SIC,SPRIMR		OB000313
30*	230127.40	215570.04	00		BD,SPRIME		OB000313
31*	230130.00	000103.40	80		,\$SPR		OB000313
32*	230130.40	224064.00	80		,\$ZMSGBF		OB000313
33*	230131.00	000001.00	80		,1.0		OB000313
34*	230131.40	215571.00	80		SIC,SPRIMR		OB000314
35*	230132.00	215570.04	00		BD,SPRIME		OB000314
36*	230132.40	000101.00	80		,\$SECJ		OB000314
37*	230133.00	224450.40	00		BE,VRTN		OB000315
38*	230133.40	000000.30	00		CNOP,		OB000316
39*	230134.00			RBFFUK	(A*)DD(BU),TINPUT UK TROUBLE TERMINATED JOB*		OB000317
40*	230140.00 *			RCMMUK	(IQS*)DD(BU), INPUT SKIPPED A JOB BECAUSE OF UK DIFFICULTY *		OB000318
41*	230146.00	000040.10	00	RCCMMK	B,\$MCP		OB000319
42*	230146.40	000043.40	80		,\$CCMM		OB000319
43*	230147.00	230140.00	80		,\$RCMMUK		OB000319
44*	230147.40	000006.00	80		,6.0		OB000319
45*	230150.00	230364.74	80	230120.34 0C	RTONRJ BZB1,REJJOB.60,RSAM		OB000320
46*	230151.00	230364.73	80	230120.34 0E	RSCNO BB1,REJJOB.59,RSAM		OB000321
47*	230152.00	230164.42	60		LWF(U),RNLJAM		OB000322
48*	230152.40	225162.00	80	040060.20 00	ST(BU,32),VNLB2-3.32,-32		OB000322
49*	230153.40	225200.03	C8		CB-,VP,VSWP3+2.32		OB000323
50*	230154.00	225250.07	01	RPTCOM	LVI,VU,VSC		OB000324
51*	230154.40	000001.00	81		SIC,1.0(VP)		OB000324
52*	230155.00	224702.03	48		CB+,VP,VCCM		OB000324
53*	230155.40 *	230112.23	09		LVNI,VT5,RCREJB		OB000325
54*	230156.00	000000.00	81		SIC,(VP)		OB000325
55*	230156.40	224702.10	00		B,VCCM		OB000325
56*	230157.00	230164.42	60		LWF(U),RNLJAM		OB000326

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	230157	
1*	230157.40	225162.00	80	040040.20	DO	ST(BU,32),VNLB2-3.32,-64	OB000326	
2*	230160.40	225376.07	01		LVI,VU,VE		OB000327	
3*	230161.00	225173.50	00		B,VSWEAP		OB000327	
4*	230161.40	230165.42	60	RENDTR	LWF(U),RRESTR		OB000328	
5*	230162.00	225162.00	80	040060.20	DO	ST(BU,32),VNLB2-3.32,-32	OB000328	
6*	230163.00	230364.73	80	225162.34	06	BBZ,REJJC.B.59,VNLB2-3.32	OB000329	
7*					CNOP,		OB000330	
8*	230164.00	230154.10	00	RNLJAM	B,RPTCOM		OB000331	
9*	230164.40	230161.50	00		B,RENDTR		OB000331	
10*	230165.00	000000.00	81	RRESTR	SIC,(VP)		OB000332	
11*	230165.40	000000.30	00		NOP,		OB000332	
12*	230166.00	000000.00+		RCJAM	VF,C		OB000333	
13*	230166.40	000004.00+		RCCUNT	VF,RKF+1.0		OB000334	
14*	230167.00	000000.00+	000	000000	000000	RCWSAV	XW,0	OB000335
15*	230170.00	*		RCMSGE	(IQS*)DC(BU),SERVICE RD/FD CHK ON CARD READER*		OB000336	
16*					CNOP,		OB000337	
17*	230174.00	230174.00	00		BE,\$		OB000338	
18*	230174.40	225232.00	00		BE,VCR		OB000338	
19*	230175.00	* 000002.00		RCREXT	DRZ(BU,64),2		OB000339	
20*	230177.00	230363.40	80		SIC,RKSBRC		OB000340	
21*	230177.40	227524.50	00		B,RKSUK		OB000340	
22*	230200.00	230174.33	01		LVI,\$13,\$-4.0		OB000341	
23*	230200.40	230200.50	00		B,\$		OB000341	
24*	230201.00	230174.33	01		LVI,\$13,\$-5.0		OB000342	
25*	230201.40	230201.50	00		B,\$		OB000342	
26*	230202.00	230174.33	01		LVI,\$13,\$-6.0		OB000343	
27*	230202.40	230202.50	00		B,\$		OB000343	
28*	230203.00	000004.37	02	RCPQES	LCI,15,RKA+1.0		OB000344	
29*	230203.40	230234.77	50		SC,15,RPTRY		OB000344	
30*	230204.00	230415.50	00		B,RPQES		OB000345	
31*	230204.40	230217.37	80	001000.36	FC	RPUKLI	CM1111(BU,1),RPRTEX-.33	OB000346
32*	230205.40	230214.77	00	RPUK	SVA,\$15,RPEXEC.32		OB000347	
33*	230206.00	230217.47	00		SVA,VU,RPRTEX-.32		OB000347	
34*	230206.40	000001.33	05		V+I,\$13,1.0		OB000348	
35*	230207.00	230217.33	00		SVA,\$13,RPRTEX-1.0		OB000348	
36*	230207.40	000040.10	00		B,DMCP		OB000349	
37*	230210.00	000014.00	80		,DCHEX		OB000349	
38*	230210.40	000006.01	83		LVE,,VSU(VU)		OB000349	
39*	230211.00	230220.00	80		,RPRTEX		OB000349	
40*	230211.40	230234.76	50	RPCABR	LC,15,RPTRY		OB000350	
41*	230212.00	* 230221.14	80	230203.34	00	BZB,RPRTEX+1.12,RCPQES	OB000351	
42*	230213.00	230203.36	4A		CBZ,15,RCPQES		OB000352	
43*	230213.40	230234.77	50		SC,\$15,RPTRY		OB000353	
44*	230214.00	000040.10	00	RPEXEC	B,DMCP		OB000354	
45*	230214.40	230214.40	80		, \$		OB000354	
46*	230215.00	000006.01	83		LVE,,VSU(VU)		OB000354	
47*	230215.40	000040.10	00	RWAIT	B,DMCP		OB000355	
48*	230216.00	000013.40	80		,DWAIT		OB000355	
49*	230216.40	000006.01	83		LVE,,VSU(VU)		OB000355	
50*					CNOP,		OB000356	
51*	230217.00	000000.00	00		BE,C		OB000357	
52*	230217.40	000000.00	00		BE,C		OB000357	
53*	230220.00	* 000002.00		RPRTEX	DRZ(BU,32),4		OB000358	
54*	230222.00	230217.46	30		LV,VU,RPRTEX-.32		OB000359	
55*	230222.40	230211.50	00		B,RPCABR		OB000359	
56*	230223.00	230217.46	30		LV,VU,RPRTEX-.32		OB000360	

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	230223
1*	230223.40	230226.10 00		B,RPREST		0B000360
2*	230224.00	230217.46 30		LV,VU,RPRTX-.32		0B000361
3*	230224.40	230227.10 00		B,RPREST+1.0		0B000361
4*	230225.00	230217.46 30		LV,VU,RPRTX-.32		0B000362
5*	230225.40	230230.10 00		B,RPREST+2.0		0B000362
6*	230226.00	000003.15 01	RPREST	LVI,\$6,3.0		0B000363
7*	230226.40	230230.50 00		B,RPINT		0B000363

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	230227
1*	230227.00	000004.15	01		LVI,\$6,4.0		0B000365
2*	230227.40	230230.50	00		B,RPINT		0B000365
3*	230230.00	000005.15	01		LVI,\$6,5.0		0B000366
4*	230230.40	230217.36	30	RPINT	LV,\$15,RPRTEX-1.C		0B000367
5*	230231.00	230234.37	00		SVA,\$15,RPRET		0B000368
6*	230231.40	000040.10	00		B,DMCP		0B000369
7*	230232.00	000014.00	80		,DCHEX		0B000369
8*	230232.40	000006.01	B3		LVE,,VSU(VU)		0B000369
9*	230233.00	000000.00	8F		,(\$15)		0B000369
10*	230233.40	230220.22	00		Z,RPRTEX		0B000370
11*	230234.00	230234.10	06	RPRET	B,\$(\$6)		0B000371
12*	230234.40	000004		RPTRY	CF,RKA+1.0		0B000372
13*	230235.00	* 224333.05	09	RKNEG	LVNI,\$2,VWEFT		0B000373
14*	230235.40	000026.04	90		KV,\$2,VT2		0B000374
15*	230236.00	230237.32	C2		BXE,RSKIP		0B000374
16*	230236.40	224671.50	00		B,VSETX		0B000375
17*	230237.00	230362.42	60	RSKIP	LWF(U),RVSET3		0B000376
18*	230237.40	224677.40	E0		ST(U),VSET3-0.32		0B000377
19*	230240.00	227634.50	00		B,RK7777		0B000378
20*	230240.40	000000.23	05	RKS111	V+I,VT5,0		0B000379
21*	230241.00	230245.30	C2		BXVLZ,RKS112		0B000379
22*	230241.40	230244.23	D0		SVA,VT5,RKS114		0B000380
23*	230242.00	225266.22	B0		V+,VT5,VX+VWT		0B000381
24*	230242.40	230243.70	C2		BXVLZ,\$.64		0B000381
25*	230243.00	000042.23	00		V-I,VT5,34.0		0B000382
26*	230243.40	225266.23	30		SV,VT5,VX+VWT		0B000382
27*	230244.00	230244.23	01	RKS114	LVI,VT5,\$		0B000383
28*	230244.40	225273.10	00		B,VNX+VWT		0B000384
29*	230245.00	224333.23	00	RKS112	KVNI,VT5,VWEFT		0B000385
30*	230245.40	230247.72	C0		BZXE,RKS113		0B000386
31*	230246.00	230251.42	60		LWF(U),RECRWT		0B000387
32*	230246.40	224324.40	80	040060.20 D0	ST(BU,32),VWQ,-32		0B000388
33*	230247.40	777777.03	C9	RKS113	CB-,VP,-1.0(VP)		0B000389
34*	230250.00	* 000000.00+	001	000017 000000	RESKIP	CW(SCR),0.0,15,0	0B000390
35*	230251.00	225266.07	C1	RECRWT	LVI,VU,VWT		0B000391
36*	230251.40	227645.47	D0		SVA,VU,RWEXIT-.32		0B000391
37*	230252.00	227642.23	80	001000.00 F0	CM0000(BU,1),RKCRWT.19		0B000392
38*	230253.00	000040.10	00		B,DMCP		0B000393
39*	230253.40	000014.00+			VF,DCHEX		0B000393
40*	230254.00	000006.01	B3		LVE,,VSU(VU)		0B000393
41*	230254.40	227646.00+			VF,RWEXIT		0B000393
42*	230255.00	225274.33	B0		LVE,\$13,VSU+VWT		0B000394
43*	230255.40	224135.33	BD		LVE,\$13,VXG(\$13)		0B000394
44*	230256.00	227645.33	D0		SVA,\$13,RWEXIT-1.0		0B000394
45*	230256.40	230272.33	01		LVI,\$13,REBSFL		0B000395
46*	230257.00	227651.73	D0		SVA,\$13,RWEXIT+3.32		0B000395
47*	230257.40	000000.62	33		LV,VT5,VX1(VU)		0B000396
48*	230260.00	230261.31	C2		BXVCZ,\$+1.0		0B000396
49*	230260.40	225266.73	D0		SVA,\$13,VX1+VWT		0B000397
50*	230261.00	000007.73	B3		LVE,\$13,VFCNT(VU)		0B000398
51*	230261.40	000000.33	04		KVI,\$13,0.0		0B000398
52*	230262.00	230341.32	C2		BXE,RECDMP		0B000398

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	230262
1*	230262.40	000040.10 00		B,DMCP		08000400
2*	230263.00	000007.00+		VF,CBSFL		08000400
3*	230263.40	000006.01 B3		LVE,,VSU(VU)		08000400
4*	230264.00 *	227642.00 80		SIC,RKCRWT		08000401
5*	230264.40	227620.10 00		B,RESRCH		08000401
6*	230265.00	224654.43 C8	RSAM1	CB-,VP,VACT1		08000402
7*	230265.40	000000.46 3D	RECOBL	LV,VU,0.32(\$13)		08000403
8*	230266.00	000007.40 83	022000.32 B0	M-1(BU,18),VFCNT(VU)		08000404
9*	230267.00	230272.37 01		LVI,\$15,REBSFL		08000405
10*	230267.40	000040.10 00		B,DMCP		08000406
11*	230270.00	000007.00+		VF,CBSFL		08000406
12*	230270.40	000006.01 B3		LVE,,VSU(VU)		08000406
13*	230271.00	000004.77 DD	RK4P32	SVA,\$15,4.32(\$13)		08000407
14*	230271.40	230104.10 00		B,RETN		08000407
15*	230272.00	000000.46 3D	REBSFL	LV,VU,0.32(\$13)		08000408
16*	230272.40	230275.77 01		LVI,\$15,RESPFL		08000408
17*	230273.00	000004.77 DD		SVA,\$15,4.32(\$13)		08000409
18*	230273.40	000040.10 00		B,DMCP		08000410
19*	230274.00	000006.40 80		,DSPFL		08000410
20*	230274.40	000006.01 B3		LVE,,VSU(VU)		08000410
21*	230275.00	230104.10 00		B,RETN		08000411
22*	230275.40	000000.46 3D	RESPFL	LV,VU,.32(\$13)		08000412
23*	230276.00	000000.36 3D		LV,\$15,C(\$13)		08000412
24*	230276.40	225427.02 10		LX,VP,VPD		08000413
25*	230277.00	000040.10 00		B,DMCP		08000414
26*	230277.40	000014.00+		VF,DCHX		08000414
27*	230300.00 *	000006.01 B3		LVE,,VSU(VU)		08000414
28*	230300.40	000000.00 8F		,(\$15)		08000414
29*	230301.00	225264.42 60		LWF(U),VWT-2.0		08000415
30*	230301.40	225265.40 EC		ST(U),VWT-1.0		08000415
31*	230302.00	230364.21 80	224377.74 0C	BZB1,REJJOB+.17,VWF1		08000416
32*	230303.00	230314.63 80	001000.36 F0	CM1111(BU,1),RCNOPB.19		08000417
33*	230304.00	225427.02 10		LX,VP,VPD		08000418
34*	230304.40	230364.76 80	230307.74 04	BZBZ,REJJOB.62,\$+3.0		08000419
35*	230305.40	225250.07 01		LVI,VU,VSC		08000420
36*	230306.00	230112.23 09		LVNI,VT5,RCREJB		08000420
37*	230306.40	000000.00 81		SIC,(VP)		08000421
38*	230307.00	224702.10 00		B,VCOM		08000421
39*	230307.40	000000.46 3D		LV,VU,0.32(\$13)		08000422
40*	230310.00	230167.22 00		Z,RCWSAV		08000422
41*	230310.40	230166.03 70		SR,VP,RCJAM		08000423
42*	230311.00	000004.37 C1		LVI,\$15,RKF+1.0		08000424
43*	230311.40	230166.77 D0		SVA,\$15,RCOUNT		08000424
44*	230312.00	000000.36 3D		LV,\$15,(\$13)		08000425
45*	230312.40	000040.10 00		B,DMCP		08000426
46*	230313.00	000014.00+		VF,DCHX		08000426
47*	230313.40 *	000006.01 B3		LVE,,VSU(VU)		08000426
48*	230314.00	000000.00 8F		,(\$15)		08000426
49*	230314.40	000005.10 0F	RCNOPB	B,5.0(\$15)		08000427
50*	230315.00	230314.63 80	001000.00 F0	CM0000(BU,1),RCNOPB+.19		08000428
51*	230316.00	000003.10 0F		B,3.0(\$15)		08000429
52*	230316.40	000000.46 3D	RESTOR	LV,VU,0.32(\$13)		08000430

LINE	LOCATIONN	BINARY OUTPUT	NAME	STATEMENT	LOCATIONN	230317
1*	230317.00	000004.37 01		LVI,\$15,RKC+1.0		OB000432
2*	230317.40	227643.37 D0		SVA,\$15,RETRY		OB000432
3*	230320.00	000004.37 01		LVI,\$15,RKD+1.0		OB000433
4*	230320.40	227643.77 D0		SVA,\$15,RWTRY		OB000433
5*	230321.00	000000.36 3D		LV,\$15,(\$13)		OB000434
6*	230321.40	000040.10 00		B,DMCP		OB000435
7*	230322.00	000014.00+		VF,DCHX		OB000435
8*	230322.40	000006.01 B3		LVE,,VSU(VU)		OB000435
9*	230323.00	000000.00 8F		,(\$15)		OB000435
10*	230323.40	000005.10 0F		B,5.0(\$15)		OB000436
11*	230324.00	000002.14 8D	230400.34 00	RERDUK	BZB,2.12(\$13),REDUMP	OB000437
12*	230325.00	000000.46 3D		READ	LV,VU,C.32(\$13)	OB000438
12*	230325.40	227524.77 01		LVI,\$15,RKSUK		OB000439
14*	230326.00	000003.77 DD		SVA,\$15,3.32(\$13)		OB000439
15*	230326.40 *	000040.10 00		B,DMCP		OB000440
16*	230327.00	000002.00+		VF,DCCW		OB000440
17*	230327.40	000006.01 B3		LVE,,VSU(VU)		OB000440
18*	230330.00	230371.00+		VF,RECCW		OB000440
19*	230330.40	230371.30 10		LX,\$12,RECCW		OB000441
20*	230331.00	230334.30 42		BXCZ,REBSP1		OB000441
21*	230331.40	230334.37 01		LVI,\$15,REBSP1		OB000442
22*	230332.00	000040.10 00		B,DMCP		OB000443
23*	230332.40	000006.00 80		,DBSP		OB000443
24*	230333.00	000006.01 B3		LVE,,VSU(VU)		OB000443
25*	230333.40	230103.50 00		B,RTN		OB000444
26*	230334.00	000000.46 3D		REBSP1	LV,VU,0.32(\$13)	OB000445
27*	230334.40	230364.77 80	230336.74 04	BZBZ,REJJOB.63,REWEF		OB000446
28*	230335.40	227577.00 80		SIC,RERGBR		OB000447
29*	230336.00	227574.10 00		B,RERG		OB000447
30*	230336.40	000040.10 00		REWEF	B,DMCP	OB000448
31*	230337.00	000007.40+		VF,DWEF		OB000448
32*	230337.40	000006.01 B3		LVE,,VSU(VU)		OB000448
33*	230340.00	230316.77 01		LVI,\$15,RESTOR		OB000449
34*	230340.40	230103.50 00		B,RTN		OB000449
35*	230341.00	227642.00 80		RECDMP	SIC,RKCRWT	OB000450
36*	230341.40	227620.10 00		B,RESRCH		OB000450
37*	230342.00 *	000040.10 00		B,DMCP		OB000451
38*	230342.40	000015.00 80		,DIODEF		OB000451
39*	230343.00	225274.01 B0		LVE,,VSU+VWT		OB000451
40*	230343.40	230374.00 80		,RWMSGE		OB000451
41*	230344.00	000040.10 00		B,DMCP		OB000452
42*	230344.40	000043.40 80		,DCCMM		OB000452
43*	230345.00	230374.00 80		,RWMSGE		OB000452
44*	230345.40	000004.00 80		,4.0		OB000452
45*	230346.00	000002.31 01		RECDMP	LVI,12,2.0	OB000453
46*	230346.40	230364.31 D0		SVA,12,REJJOB		OB000453
47*	230347.00	225275.54 30		LV,VT2,VFCNT+VWT		OB000454
48*	230347.40	000001.15 05		V+I,VT2,1.0		OB000454
49*	230350.00	231133.00 80		SIC,YTSTR		OB000455
50*	230350.40	231117.10 00		B,YTST		OB000455
51*	230351.00	227645.30 30		LV,\$12,RWEXIT-1.0		OB000456
52*	230351.40	000040.10 00		B,DMCP		OB000457
53*	230352.00	000014.00 80		,DCHX		OB000457
54*	230352.40	000006.01 B3		LVE,,VSU(VU)		OB000457
55*	230353.00	000000.00 8C		,(\$12)		OB000457
56*	230353.40	000000.00 81		SIC,(VP)		OB000458

LINE	LOCATIONN	BINARY OUTPUT	NAME	STATEMENT	LOCATIONN	230354
1*	230354.00	225051.43 48		CB+,VP,VRJTP		0B000458
2*	230354.40	224450.50 00		B,VRTN		0B000458
3*	230355.00	000040.10 00	RKSCON	B,DMCP		0B000459
4*	230355.40 *	000015.00 80		,DICDEF		0B000459
5*	230356.00	000006.01 83		LVE,,VSU(VU)		0B000459
6*	230356.40	230365.00 80		,RKMSGE		0B000459
7*	230357.00	000040.10 00		B,DMCP		0B000460
8*	230357.40	000043.40 80		,DCCMM		0B000460
9*	230360.00	230365.00 80		,RKMSGE		0B000460
10*	230360.40	000004.00 80		,4.C		0B000460
11*	230361.00	230361.20 00		BEW,\$		0B000461
12*	230362.00	000000.00+ 000 000000 000000	RVSET3	XW,C.0		0B000462
13*	230363.00	230235.10 00	RKSUB	B,RKNEG		0B000463
14*	230363.40	000000.00 00	RKSBRC	BE,C.0		0B000464
15*	230364.00	000000.00+ 000 000000 000000	REJJOB	XW,0.0		0B000465
16*	230365.00		RKMSGE	(IQS*)DC(BU,8), EPGK RESTART VIA IPL *		0B000466
17*	230371.00 *	000000.00+ 000 000000 000000	RECCW	XW,C.0		0B000467
18*	230372.00	230240.50 00	RENXSC	B,RKS111		0B000468
19*	230373.00	000000.00+ 000 000000 000000	RDCCW	XW,0.0		0B000469
20*	230374.00 *	000001.00	RWMSGE	DRZ(BU,64),1		0B000470
21*	230375.00			(IQS*)DD(BU,8), UNLOADING,REUSE TAPE *		0B000471
22*	230400.00	000040.10 00	REDUMP	B,DMCP		0B000472
23*	230400.40	000015.00 80		,DICDEF		0B000472
24*	230401.00	000006.01 83		LVE,,VSU(VU)		0B000472
25*	230401.40	230406.00 80		,RSMGSP+1.0		0B000472
26*	230402.00	000040.10 00		B,DMCP		0B000473
27*	230402.40	000043.40 80		,DCCMM		0B000473
28*	230403.00	230405.00 80		,RSMGSP		0B000473
29*	230403.40	000004.00 80		,4.C		0B000473
30*	230404.00	230346.10 00		B,REDMP		0B000474
31*	230404.40	000000.30 00		CNOP,		0B000475
32*	230405.00 *		RSMGSP	(IQS*)DD(BU,8), STRIP BEFORE REUSING *		0B000476
33*				CNOP		0B000477
34*	230411.00		RDLECF	(CC*)DD(BU,,12),B COMD,OFFLINE, *		0B000478
35*	230415.40	225427.02 10	RPQUES	LX,VP,VPD		0B000479
36*	230416.00	225266.07 04		KVI,VU,VWT		0B000479
37*	230416.40	230442.72 00		BZXE,RKSTOT		0B000479
38*	230417.00	000004.35 01		LVI,\$14,RKC+1.0		0B000480
39*	230417.40	227643.35 00		SVA,\$14,RETRY		0B000480
40*	230420.00	000004.35 01		LVI,\$14,RKD+1.0		0B000481
41*	230420.40	227643.75 00		SVA,\$14,RWTRY		0B000481
42*	230421.00	230217.34 30		LV,\$14,RPRTEX-1.0		0B000482
43*	230421.40	227646.35 04		KVI,\$14,RWEXIT		0B000482
44*	230422.00	230423.72 00		BZXE,\$+1.32		0B000483
45*	230422.40	230217.37 80 001000.00 F0		CM0000(BU,1),RPRTEX-.33		0B000484
46*	230423.40 *	227645.34 30		LV,\$14,RWEXIT-1.0		0B000485
47*	230424.00	230432.00 80		SIC,RBSWRT		0B000486
48*	230424.40	230426.50 00		B,RSWBCK		0B000486
49*	230425.00	230364.21 80 227602.34 02		BB,REJJOB.17,RENGJB		0B000487
50*	230426.00	230341.10 00		B,RECDMP		0B000488
51*	230426.40	230217.37 80 230430.34 04	RSWBCK	BZBZ,RPRTEX-.33,\$+1.32		0B000489
52*	230427.40	230217.34 30		LV,\$14,RPRTEX-1.0		0B000490
53*	230430.00	000040.10 00		B,DMCP		0B000491
54*	230430.40	000014.00 80		,DCHEX		0B000491
55*	230431.00	000006.01 B3		LVE,,VSU(VU)		0B000491
56*	230431.40	000000.00 8E		,(\$14)		0B000491

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	230432
1*	230432.00	230432.10	00	RBSWRT	B,\$		0B000492
2*	230432.40	000007.77	04	RGNOGD	KVI,\$15,DWEF		0B000493
3*	230433.00	230440.32	C2		BXE,RKDCYD		0B000493
4*	230433.40	227645.33	04		KVI,\$13,RWEXIT-1.0		0B000494
5*	230434.00	230415.72	C2		BXE,RPQUES		0B000494
6*	230434.40	000001.33	05	RKLOUP	V+I,\$13,1.0		0B000495
7*	230435.00	225266.07	04		KVI,VU,VWT		0B000495
8*	230435.40	230437.32	C2		BXE,\$+1.32		0B000496
9*	230436.00	227770.33	D0		SVA,\$13,RDREXT-1.0		0B000496
10*	230436.40	230415.50	00		B,RPQUES		0B000497
11*	230437.00	227645.33	D0		SVA,\$13,RWEXIT-1.0		0B000498
12*	230437.40	230415.50	00		B,RPQUES		0B000499
13*	230440.00	227643.34	30	RKDCYD	LV,\$14,RETRY		0B000500
14*	230440.40	227643.74	B0		V+,\$14,RWTRY		0B000500
15*	230441.00	000010.35	04		KVI,\$14,RKB+RKC+2.0		0B000501
16*	230441.40	230415.72	C0		BZXE,RPQUES		0B000501
17*	230442.00	230434.50	00		B,RKLOUP		0B000502
18*	230442.40	227770.34	30	RKSTOT	LV,\$14,RDREXT-1.0		0B000503
19*	230443.00	230432.00	80		SIC,RBSWRT		0B000504
20*	230443.40	230426.50	00		B,RSWBCK		0B000504
21*	230444.00	000004.35	01		LVI,\$14,RKB+1.0		0B000505
22*	230444.40	227777.35	D0		SVA,\$14,RTTRY		0B000505
23*	230445.00	000004.35	01		LVI,\$14,RKH+1.0		0B000506
24*	230445.40	227777.75	D0		SVA,\$14,RTSP3X		0B000506
25*	230446.00	000005.35	01		LVI,\$14,5.0		0B000507
26*	230446.40	230000.35	D0		SVA,\$14,RBSP3X		0B000507
27*	230447.00	225331.07	04		KVI,VU,VRT		0B000508
28*	230447.40	230470.32	C2		BXE,RRTPRO		0B000508
29*	230450.00	225250.07	01		LVI,VU,VSC		0B000509
30*	230450.40	230456.63	09		LVNI,VT5,RKSTUK		0B000509
31*	230451.00	000000.00	81		SIC,(VP)		0B000510
32*	230451.40	224702.10	00		B,VCOM		0B000510
33*	230452.00	000021.23	01		LVI,VT5,17.0		0B000511
34*	230452.40	000000.00	81		SIC,(VP)		0B000512
35*	230453.00	224702.10	00		B,VCOM		0B000512
36*	230453.40	225312.22	30		LV,VT5,VX+VST		0B000513
37*	230454.00	000021.23	05		V+I,VT5,17.0		0B000513
38*	230454.40	230455.70	C2		BXVLZ,\$+1.0		0B000514
39*	230455.00	000042.23	0D		V-I,VT5,34.0		0B000514
40*	230455.40	225312.23	30		SV,VT5,VX+VST		0B000515
41*	230456.00	224315.50	00		B,VSQ+1.32		0B000516
42*	230456.40	227663.40	80	RKSTUK	SIC,RKSCRT		0B000517
43*	230457.00	227654.03	48		CB+,VP,RKSCNN		0B000517
44*	230457.40	224671.55	01		LVI,VT2,VSETX		0B000518
45*	230460.00	227663.55	D0		SVA,VT2,RKSCRT		0B000518
46*	230460.40	230364.75	80	230463.34	06	BBZ,REJJOB.61,RKPONE	0B000519
47*	230461.40	225321.14	30		LV,VT2,VRCNT+VST		0B000520
48*	230462.00	000001.15	04		KVI,VT2,1.0		0B000520
49*	230462.40	230464.32	C2		BXE,RKREJ		0B000521
50*	230463.00	225321.40	80	022000.22	B0	RKPONE	0B000522
51*	230464.00	225321.54	30		RV,VT2,VFCNT+VST		0B000523
52*	230464.40	227670.15	30		SV,VT2,RKBITL		0B000524
53*	230465.00	000000.00	81		SIC,(VP)		0B000525
54*	230465.40	225051.43	48		CB+,VP,VRJTP		0B000525
55*	230466.00	227670.40	80	001000.36	F0	CM1111(BU,1),RKSEIT	0B000526
56*	230467.00	225250.07	01		LVI,VU,VSC		0B000527

LINE	LOCATION	BINARY CUTPUT	NAME	STATEMENT	LOCATION	230467
1*	230467.40	224671.43 C8		CB-,VP,VSETX		0B000528
2*	230470.00	230471.23 09	RRTPRO	LVNI,VT5,RKRTUK		0B000529
3*	230470.40	000005.10 03		B,VNX(VU)		0B000530
4*	230471.00	227670.41 80	001000.36 FO	RKRTUK	CM1111(BU,1),RKSRTB	0B000531
5*	230472.00	225342.14 30		LV,VT2,VFCNX+VRT		0B000532
6*	230472.40	000002.15 05		V+I,VT2,2.0		0B000533
7*	230473.00	227671.15 30		SV,VT2,RKRTBL		0B000534
8*	230473.40	000000.00 81		SIC,(VP)		0B000535
9*	230474.00	230475.43 48		CB+,VP,REJTRT		0B000535
10*	230474.40	225346.07 01		LVI,VU,VQ		0B000536
11*	230475.00	224671.43 C8		CB-,VP,VSETX		0B000537
12*	230475.40	225210.07 01	REJTRT	LVI,VU,VTSA		0B000538
13*	230476.00	225221.62 30		LV,VT5,VT5B+VX1		0B000539
14*	230476.40	225201.31 89	001000.36 FO	CM1111,VSURT.VOPB(VT5)		0B000540
15*	230477.40	225201.10 19		LX,VT1,VSURT(VT5)		0B000541
16*	230500.00	000027.11 70		SR,VT1,VT3		0B000542
17*	230500.40	000007.43 37		SV,VP,VFCNT(VT3)		0B000543
18*	230501.00	000021.03 01		LVI,VP,17.0		0B000544
19*	230501.40 *	000000.43 37		SV,VP,VX1(VT3)		0B000545
20*	230502.00	000007.42 37		LV,VP,VFCNT(VT3)		0B000546
21*	230502.40	000000.00 81		SIC,(VP)		0B000547
22*	230503.00	224745.50 00		B,VTMV		0B000547
23*	230503.40	225221.07 01		LVI,VU,VT5B		0B000548
24*	230504.00	224655.10 00		B,VACT		0B000549

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*				-	*****	PA000001
2*				-	***** IQS TO BCD CONVERSION ROUTINE *****	PA000002
3*				-	*****	PA000003
4*	230504.40	230521.C0	80	230515.C2	AO SIQSA8 TI,1,FA8INS,FINSTR - 8 BIT OUTPUT	PA000004
5*	230505.40	230507.10	00		B,SIQSA6+1.0	PA000005
6*	230506.00	230522.C0	80	230515.C2	AC SIQSA6 TI,1,FA6INS,FINSTR - 6 BIT OUTPUT	PA000006
7*	230507.00	230523.37	10		SX,\$15,F SVE -SAVE INDEX REGISTERS	PA000007
8*	230507.40	230524.35	10		SX,\$14,F SVE+1.0	PA000008
9*	230510.00	230525.33	10		SX,\$13,F SVE+2.0	PA000009
10*	230510.40	000000.34	3F		LV,\$14,C.0(\$15) -PUT *IN* INTO VF OF \$14	PA000010
11*	230511.00	000000.74	5F		LC,\$14,.32(\$15) -PUT *N* IN CF OF \$14	PA000011
12*	230511.40	230516.70	42		BXCZ,F DONE -CHECK IF COUNT = 0	PA000012
13*	230512.00	000001.32	3F		LV,\$13,1.0(\$15) -PUT *OUT* IN VF OF \$13	PA000013
14*	230512.40	000000.10	8E	110025.60	50 F LOOP L(V+I)(BU,8,8),.8(\$14),43 -LOAD IQS CHARACTER	PA000014
15*	230513.40	000011.36	30		LV,\$15,\$R -CRRECT TABLE POSITION X	PA000015
16*	230514.00	230526.C0	8F	010000.20	50 L(BU,8,8),F TABLE(\$15) -1ST ENTRY 8BITS NOW IN \$15	PA000016
17*					CNOP	PA000017
18*	230515.00	* 000000.00	80	000000.20	D0 F INSTR ST(BU,64),0.0 -STORE CONVERTED CHARACTER	PA000018
19*	230516.00	230512.74	48		CB,\$14,F LOOP -CONVERSION DONE	PA000019
20*	230516.40	230523.36	10		F DONE LX,\$15,F SVE -RESTORE INDEX REGISTERS	PA000020
21*	230517.00	230524.34	10		LX,\$14,F SVE+1.0	PA000021
22*	230517.40	230525.32	10		LX,\$13,F SVE+2.0	PA000022
23*	230520.00	000001.50	0F		B,1.32(\$15) -RETURN	PA000023
24*	230520.40	000000.30	00		CNOP	PA000024
25*	230521.00	000000.10	8D	110100.20	D0 F A8INS ST(V+I)(BU,8,1),.8(\$13) -INSTRUCTION FOR 8BIT OPTION	PA000025
26*	230522.00	000000.06	8D	106100.20	D0 F A6INS ST(V+I)(BU,6,1),.6(\$13) -INSTRUCTION FOR 6BIT OPTION	PA000026
27*	230523.00	* 000003.00			F SVE DRZ(BU,64),(3)	PA000027
28*					- *****TABLE OF BCD EQUIVALENTS TO ORDERED IQS CODE SET*****	PA000028
29*	230526.00				F TABLE (AZ)DD(BU,8,8),+\$\$=*(/),Z	PA000029
30*	230527.10			020	(8)DD(BU,8,8),20,14,20 -SEMICOLON, SINGLE QUOTE, DOUBLE	PA000030
31*	230527.20			014		PA000030
32*	230527.30			020		PA000030
33*	230527.40				(AZ)DD(BU,8,8),AABBCCDDEEFFGGHHIIJJZ	PA000031
34*	230532.00				(AZ)DD(BU,8,8),+\$\$=*(/),Z	PA000032
35*	230533.10			020	(8)DD(BU,8,8),20,14,20 -SEMICOLON, SINGLE QUOTE, DOUBLE	PA000033
36*	230533.20			014		PA000033
37*	230533.30			020		PA000033
38*	230533.40				(AZ)DD(BU,8,8),AABBCCDDEEFFGGHHIIJJZ	PA000034
39*	230536.00				(AZ)DD(BU,8,8),KKLLMMNCOOPPQQRRZ	PA000035
40*	230540.00	*			(A*)DD(BU,8,8),SSTLUUVVWXXYYZZ*	PA000036
41*	230542.00				(AZ)DD(BU,8,8),00112233445566778899.Z	PA000037
42*	230544.50			032	(8)DD(BU,8,8),32,40,20 -COLON, MINUS, QUESTION	PA000038
43*	230544.60			040		PA000038
44*	230544.70			020		PA000038
45*	230545.00				(AZ)DD(BU,8,8),+\$\$=*(/),Z	PA000039
46*	230546.00				(AZ)DD(BU,8,8),KKLLMMNCOOPPQQRRZ	PA000040
47*	230550.00				(A*)DD(BU,8,8),SSTLUUVVWXXYYZZ*	PA000041
48*	230552.00				(AZ)DD(BU,8,8),00112233445566778899.Z	PA000042
49*	230554.50			032	(8)DD(BU,8,8),32,40,20 -COLON, MINUS, QUESTION	PA000043
50*	230554.60			040		PA000043
51*	230554.70	*		020		PA000043
52*	230555.00				(AZ)DD(BU,8,8),+\$\$=*(/),Z	PA000044
53*	230556.00				(AZ)DD(BU,8,8),KKLLMMNCOOPPQQRRZ	PA000045
54*	230560.00				(A*)DD(BU,8,8),SSTLUUVVWXXYYZZ*	PA000046
55*	230562.00				(AZ)DD(BU,8,8),KKLLMMNCOOPPQQRRZ	PA000047
56*	230564.00				(A*)DD(BU,8,8),SSTLUUV WXX Z*	PA000048

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATIONN
1*				- *****		PB000001
2*				- *****BCD TO IQS CONVERSION ROUTINE *****		PB000002
3*				- *****		PB000003
4*	230566.00 *			SLC,\$		PB000004
5*	230566.00	230603.00	80	230574.04 A0	S A8IQS TI,2,G CSMI,G KRLH -SET LCCP FOR 8BIT BCD	PB000005
6*	230567.00	230570.50	00		B,\$+1.32	PB000006
7*	230567.40	230605.00	80	230574.04 A0	S A6IQS TI,2,G SEST,G KRUH -SET LOOP FOR 6BIT BCD	PB000007
8*	230570.40	230607.33	10		SX,\$13,G ULOZX -SAVE ORIGINAL INDEX REGISTERS	PB000008
9*	230571.00	230610.35	10		SX,\$14,G ULOZX+1.0	PB000009
10*	230571.40	230611.37	10		SX,\$15,G ULOZX+2.0	PB000010
11*	230572.00	000000.34	3F		LV,\$14,C.0(\$15) -PUT *IN* IN VF OF \$14	PB000011
12*	230572.40	000000.74	5F		LC,\$14,.32(\$15) -PUT *N* IN CF OF \$14	PB000012
13*	230573.00	230601.30	42		BXCZ,G PRYC	PB000013
14*	230573.40	000001.32	3F		LV,\$13,1.0(\$15) -PUT *OUT* IN VF OF \$13	PB000014
15*					CNOP	PB000015
16*	230574.00 *	000002.00		G KRUH	DRZ(BU,64),(2) -RESERVE 2 FULL WORDS	PB000016
17*	230576.00	000011.36	30	G SKCK	LV,\$15,\$R -PUT BIT ADDRESS*8 IN \$15	PB000017
18*	230576.40	230612.00	8F	010000.20 50	L(BU,8),G RADA(\$15) -LCAD 8BIT CODE IQS CHARACTER	PB000018
19*	230577.40	000000.10	8D	110000.20 00	ST(V+I)(BU,8),.8(\$13) -STORE SAME	PB000019
20*	230600.40	230574.34	48		CB,\$14,G KRUH	PB000020
21*	230601.00	230607.32	10	G PRYC	LX,\$13,G ULOZX -RESTORE INDEX REGISTERS	PB000021
22*	230601.40	230610.34	10		LX,\$14,G ULOZX+1.0	PB000022
23*	230602.00	230611.36	10		LX,\$15,G ULOZX+2.0	PB000023
24*	230602.40	000001.50	0F		B,1.32(\$15)	PB000024
25*					CNOP -BACK TO RETURN	PB000024
26*	230603.00	000000.10	8E	110025.60 50	G OSMI L(V+I)(BU,8),.8(\$14),43 -FOR 8BIT BCD	PB000025
27*	230604.00	000000.00	80	002030.40 70	C0000(BU,2),0.0,49	PB000026
28*	230605.00	000000.06	8E	106025.60 50	G SEST L(V+I)(BU,6),.6(\$14),43 -FOR 6BIT BCD	PB000027
29*	230606.00	230576.10	00		B,G SKCK	PB000028
30*	230606.40	000000.30	00		NOP	PB000028
31*	230607.00 *	000003.00		G ULOZX	DRZ(BU,64),(3) -RESERVE 3 FULL WORDS FOR INDEXES	PB000029
32*	230612.00			G RADA	(IQS*)DD(BU,8,8),/1234567890=*	PB000030
33*	230613.40		052		(2)DD(BU,8,8),00101010 -QUOTATION	PB000031
34*	230613.50				(IQS*)DD(BU,8,8),/// /STUVWXYZ*	PB000032
35*	230615.20		165		(2)DD(BU,8,8),01110101 -COLON	PB000033
36*	230615.30				(IQS*)DD(BU,8,8),,(///-JKLMNOPQR*	PB000034
37*	230617.20				(IQS*)DD(BU,8,8),/* - SEMICOLON	PB000035
38*	230617.30				(IQSY)DD(BU,8,8),\$*///+ABCDEFGH I/.)///Y	PB000036

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*						PC000001
2*					HOLLERITH TO BCD CONVERSION	PC000002
3*						PC000003
4*						PC000004
5*	230622.00 *			SLC, \$		PC000005
6*	230622.00	000011.22	00	S CA6	Z, \$R -SET UP FOR A-6 CONVERSION	PC000006
7*	230622.40	230624.10	00		\$B, QGQ\$A	PC000007
8*						PC000008
9*	230623.00	000001.40	80	S CAB	LI(BU,24),1.32,40 -SETUP FOR A-8 TYPE CONVERSION	PC000009
10*					TAIL, A	PC000010
11*	230624.00	000000.11	8F	QGO	LVE,4,0(\$15)	PC000011
12*	230624.40	000011.02	30		LV, \$1, \$R	PC000012
13*	230625.00	000000.50	5F		LC, \$4, .32(\$15)	PC000013
14*	230625.40	230653.70	42		BXCZ, QFIN	PC000014
15*	230626.00	000001.12	3F		LV, \$5, 1.0(\$15)	PC000015
16*						PC000016
17*					FIND THE CHARACTER IN TABLE	PC000017
18*						PC000018
19*	230626.40	000000.03	84	Q P	CTOC11(V+I)(BU,3),.3(\$4)	PC000019
20*	230627.40	000007.21	80		L(BU,7), \$LZC,45	PC000020
21*	230630.40	000011.04	30		LV, \$2, \$R	PC000021
22*	230631.00	000007.44	50		LC, \$2, 7.32	PC000022
23*	230631.40	000000.11	84		LF(V+I)(BU,9),.9(\$4)	PC000023
24*	230632.40	000000.05	00		C+I, \$2, 0	PC000024
25*	230633.00	230645.70	40		BZXCZ, QER -YES	PC000025
26*	230633.40	230670.04	32		LV, \$2, QTB(\$2)	PC000026
27*	230634.00	000007.46	50		LC, \$3, 7.32	PC000027
28*	230634.40 *	000007.21	80		LF(BU,7), \$LZC,45	PC000028
29*	230635.40	000011.06	30		LV, \$3, \$R	PC000029
30*						PC000030
31*						PC000031
32*	230636.00	230646.70	42		BXCZ, QOK -IF NO TRIPLE OR MORE PUNCHES	PC000032
33*						PC000033
34*	230636.40	102000.00	80		KFI(BU,9),(2)001000010 -CHECK FOR AN 8-3 COMBO	PC000034
35*	230637.40	230641.36	00		BZAE, QNO -NO	PC000035
36*	230640.00	000005.07	01		LVI, \$3, 5.0	PC000036
37*	230640.40	230646.50	00		B, QOK	PC000037
38*						PC000038
39*	230641.00	042000.00	80	Q NO	KFI(BU,9),(2)000100010 -CHECK FOR AN 8-4 COMBO	PC000039
40*	230642.00	230643.76	00		BZAE, QNCZ -NO	PC000040
41*	230642.40	000005.47	01		LVI, \$3, 5.32	PC000041
42*	230643.00	230646.50	00		B, QOK	PC000042
43*						PC000043
44*	230643.40	202000.00	80	Q NOZ	KFI(BU,9),(2)010000010 -CHECK FOR AN 8-1 COMBO	PC000044
45*	230644.40	000006.07	01		LVI, \$3, 6.0	PC000045
46*	230645.00	230646.76	02		BAE, QOK -OK MUST BE A COLON	PC000046
47*	230645.40	000006.07	01	Q ER	LVI, \$3, 6.0	PC000047
48*	230646.00	000000.05	01		LVI, \$2, 0	PC000048

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		PC000050
2*	230646.40	230654.15	83	Q CK	LVE,\$6,QFLD(\$3)	PC000051
3*	230647.00	230663.00	86		LF(BU,6,6),Q(\$6)	PC000052
4*	230650.00	230650.50	01		B,QST(\$1)	PC000053
5*				-		PC000054
6*	230650.40 *	000000.06	85	QST	ST(V+I)(BU,6,6),.6(\$5)	PC000055
7*	230651.40	230653.10	00		B,QCHK	PC000056
8*	230652.00	000000.10	85		ST(V+I)(BU,8,8),.8(\$5)	PC000057
9*	230653.00	230626.50	48	Q CHK	CB,\$4,QP	PC000058
10*				-		PC000059
11*	230653.40	000001.50	0F	CFIN	B,1.32(\$15)	PC000060
12*				-		PC000061
13*				-	THE CHARACTER LOCATOR TABLES	PC000062
14*				-		PC000063
15*	230654.00	000000.00	82	Q FLD	,0(\$2)	PC000064
16*	230654.40	000000.06	82		,.6(\$2)	PC000065
17*	230655.00	000000.14	82		,.12(\$2)	PC000066
18*	230655.40	000000.22	82		,.18(\$2)	PC000067
19*	230656.00	000000.30	82		,.24(\$2)	PC000068
20*	230656.40	000000.36	82		,.30(\$2)	PC000069
21*	230657.00	000000.44	82		,.36(\$2)	PC000070
22*	230657.40	000000.52	82		,.42(\$2)	PC000071
23*	230660.00	000000.60	82		,.48(\$2)	PC000072
24*	230660.40	000000.66	82		,.54(\$2)	PC000073
25*	230661.00	000000.74	82		,.60(\$2)	PC000074
26*	230661.40	000001.02	82		,.66(\$2)	PC000075
27*	230662.00	000001.10	82		,0.72(\$2)	PC000076
28*				-		PC000077
29*				-	THE TABLES	PC000078
30*				-		PC000079
31*	230662.40	000000.30	00		CNOP	PC000080
32*	230663.00			Q	(AX)DD(BU,6,6),ABCDEFGHI+.) /X	PC000081
33*	230664.16 *				(AX)DD(BU,6,6),JKLMNOPQR-\$*/X	PC000082
34*	230665.34				(AA)DD(BU,6,6),/STUVWXYZO,(A	PC000083
35*	230666.44		32		DD(BU,6,6),(8)32 -SPECIAL FOR COLCN	PC000084
36*	230666.52				(AX)DD(BU,6,6),123456789 --/X	PC000085
37*				-		PC000086
38*				-	CNOP	PC000087
39*				-		PC000088
40*	230670.00	000000.00+		Q TB	VF,0 -FOR 12 ZONE	PC000089
41*	230670.40	000001.16+			VF,78 -FOR THE 11 ZONE	PC000090
42*	230671.00	000002.34+			VF,156 -FOR THE ZERO ZONE	PC000091
43*	230671.40	000003.52+			VF,234 -FOR THE NO ZONE	PC000092
44*				-		PC000093
45*				-	UNTAIL	PC000094

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					PD000001
2*				THE BREAKDOWN ROUTINE	PD000002
3*					PD000003
4*					PC000004
5*	230671.71 *			SLC, \$	PC000005
6*				-SBRK8, 6 BIT BCD VERSION, 16 BITS BETWEEN OUTPUT	PD000006
7*				-FIELDS. LARRY LEVY	PD000007
8*					PD000008
9*					PD000009
10*	230672.00	230737.03 10	SBRK8	SX,QX INN,Q SAV1 -SAVE INDEX REGISTERS	PD000010
11*	230672.40	230740.05 10		SX,QX OUT,Q SAV2	PD000011
12*	230673.00	230741.07 10		SX,QX CF9,Q SAV3	PD000012
13*	230673.40	000000.02 3F		LV,QX INN,0.(\$15) -INITIALIZE IN	PD000013
14*	230674.00	000000.42 5F		LC,QX INN,.32(\$15) -INITIALIZE N	PD000014
15*	230674.40	000001.04 3F		LV,QX OUT,1.(\$15) -INITIALIZE OUT	PD000015
16*	230675.00	230745.06 10		LX,QX CF9,QW CF9 -COUNT CHARS IN STORED FIELD	PD000016
17*	230675.40	000001.40 8F		CMOC00(BU,18,8),1.32(\$15) -INITIALIZE FIELD COUNT	PD000017
18*	230676.40	230746.37 80		L(BU,18+QKSIZ),QCOUNT,64	PD000018
19*	230677.40	000000.06 81	Q NEXT	LF(V+I)(BU,Q KSIZ), Q KSIZ(QX INN) -LOAD INPUT CHAR. STEP X	PD000019
20*	230700.40	230746.31 80		KF,Q CMA -IS THIS A COMMA	PD000020
21*	230701.40	230710.76 C2		BAE,Q IF C	PD000021
22*	230702.00	230746.61 80		KF,Q BLNK -IS THIS A BLANK	PD000022
23*	230703.00	230705.36 C2		BAE,Q STEP	PC000023
24*	230703.40	230720.06 4E		CBRZ,QX CF9,Q 2BIG -TEST FOR OVERSIZED FIELD	PD000024
25*	230704.00	000000.06 82		SF(V+I)(BU,Q KSIZ), Q KSIZ(QX OUT) -STORE CHAR. STEP X	PD000025
26*	230705.00 *	230677.42 48	Q STEP	CB,QX INN,Q NEXT -TEST FOR LAST INPUT CHAR	PD000026
27*	230705.40	000001.40 8F		M+1(BU,18),1.32(\$15) -COUNT LAST FIELD	PD000027
28*	230706.40	230716.06 4A	Q BL	CBZ,QX CF9,Q RSTR -STORE R.H. BLANKS AT END OF LAST FIELD	PD000028
29*	230707.00	000000.06 82		SF(V+I)(BU,Q KSIZ),Q KSIZ(QX OUT),64 -IF NECESSARY	PC000029
30*	230710.00	230706.50 00		B,Q BL	PC000030
31*					PD000031
32*	230710.40	000001.40 8F	Q IF C	M+1(BU,18),1.32(\$15) -COUNT THIS FIELD	PD000032
33*	230711.40	230713.46 4E		CBRZ,QX CF9,Q REDY -TEST FOR SHORT INPUT FIELD	PD000033
34*	230712.00	000000.06 82	Q ZERO	SF(V+I)(BU,Q KSIZ), Q KSIZ(QX OUT),64 -STORE RIGHT-HAND	PC000034
35*	230713.00	230712.06 4C		CBR,QX CF9,Q ZERO - BLANKS AFTER SHORT FIELDS	PC000035
36*	230713.40	230746.04 80	Q REDY	V+,QX OUT,Q SKIP -SKIP TO BEG OF NEXT OUTPUT FIELD	PD000036
37*	230714.00	000001.40 8F		KF(BU,18),1.32(\$15),64+QKSIZ	PD000037
38*	230715.00	230716.37 40		BZAH,QRSTR	PD000038
39*	230715.40	230677.42 48		CB,QX INN,Q NEXT -TEST FOR LAST INPUT CHAR	PD000039
40*					PD000040
41*	230716.00	230737.02 10	Q RSTR	LX,QX INN,Q SAV1 -RESTORE INDEX REGISTERS	PD000041
42*	230716.40	230740.04 10		LX,QX OUT,Q SAV2	PC000042
43*	230717.00	230741.06 10		LX,QX CF9,Q SAV3	PD000043
44*	230717.40	000002.50 0F		B,2.32(\$15) -NORMAL RETURN	PD000044
45*					PD000045
46*	230720.00 *	000001.40 8F	Q 2BIG	M+1(BU,18),1.32(\$15) -COUNT THIS FIELD	PC000046
47*	230721.00	000021.00 80		SWAPI,1,QX INN,Q SAV1 -RESTORE INDEXES BUT SAVE THE	PC000047
48*	230722.00	000022.00 80		SWAPI,1,QX OUT,Q SAV2 - PRESENT VALUES FOR RE-ENTRY	PD000048

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	230723
1*	230723.00	000023.00	80	230741.02	EO	SWAPI,1,QX CF9,Q SAV3	PD000050
2*	230724.00	000010.00	80	230742.04	AC	TI,2,\$L,Q SAV4	PD000051
3*	230725.00	230744.37	10			SX,\$15,Q SAV6	PD000052
4*	230725.40	000002.10	0F			B,2. (\$15)	PD000053
5*						-	PD000054
6*						-	PD000055
7*						-RE-ENTRY POINT FOLLOWING ERROR RETURN	PD000056
8*	230726.00	000021.00	80	230737.02	EO	QBRK8 SWAPI,1,QX INN,Q SAV1	PD000057
9*	230727.00	000022.00	80	230740.02	EO	SWAPI,1,QX OUT,Q SAV2	PD000058
10*	230730.00	000023.00	80	230741.02	EO	SWAPI,1,QX CF9,Q SAV3	PD000059
11*	230731.00	230742.00	80	000010.04	AO	TI,2,Q SAV4,\$L	PD000060
12*	230732.00	230744.36	10			LX,\$15,Q SAV6	PD000061
13*	230732.40	230746.04	80			V+,QX OUT,Q SKIP	PD000062
14*	230733.00	230716.02	4A			Q SPAC CBZ,QXINN,QRSTR	PD000063
15*	230733.40 *	230746.31	80	006600.23	10	KF,Q CMA	PD000064
16*						-	PD000065
17*	230734.40	230677.76	G2			BAE,Q NEXT	PD000066
18*	230735.00	000000.06	81	106000.06	70	LF(V+I)(BU,Q KSIZE), Q KSIZE(QX INN)	PD000067
19*	230736.00	230733.10	00			B,Q SPAC	PD000068
20*						-	PD000069
21*						-	PD000070
22*	230737.00	000000.00+	000	000000	000000	Q SAV1 XW,	PD000071
23*	230740.00	000000.00+	000	000000	000000	Q SAV2 XW,	PD000072
24*	230741.00	000000.00+	000	000000	000000	Q SAV3 XW,	PD000073
25*	230742.00	000000.00+	000	000000	000000	Q SAV4 XW,	PD000074
26*	230743.00	000000.00+	000	000000	000000	XW	PD000075
27*	230744.00	000000.00+	000	000000	000000	Q SAV6 XW,	PD000076
28*	000021.00+	+00000000		BU,100,10		QX INN SYN,\$1	PD000077
29*	000022.00+	+00000000		BU,100,10		QX OUT SYN,\$2	PD000078
30*	000023.00+	+00000000		BU,100,10		QX CF9 SYN,\$3	PD000079
31*						-	PD000080
32*						- PROGRAM MODIFICATION CARDS -	PD000081
33*						-	PD000082
34*	230745.00	000000.00+	000	000011	230745	QW CF9 XW,0.,9,QWCF9	PD000083
35*	230746.00	000000.20+				Q SKIP VF,.16	PD000084
36*	230746.31					Q CMA (A*)DD(BU,QKSIZ,QKSIZ),,*	PD000085
37*	230746.37			000014		QCOUNT DD(BU,18),(8)000014	PD000086
38*	230746.61					Q BLNK (A*)DD(BU,QKSIZ,QKSIZ),*	PD000087
39*	000000.00+	+00000006		NULL		Q KSIZ SYN, 6	PD000088

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				- *****	PE000001
2*				- JOB CONTROL PHASE 1 OVERLAPPED	PE000002
3*				- *****	PE000003
4*				CNOP	PE000004
5*	230747.00		0401 YJC1TT	DD(BU,12),(8)0401	PE000005
6*	230747.14 *	000000.41		DR(BU,33),(1)	PE000006
7*				EXT(0,18)	PE000007
8*	230747.55		0461724	B,YC11ST	PE000007
9*	230750.00 *	000002.00		DR(BU),(2)	PE000008
10*				- *****	PE000009
11*				- READ CNE CARD , DETERMINE TYPE AND SEQUENCE , AND EXTRACT INFORMATION	PE000010
12*				- *****	PE000011
13*	230752.00	215011.74 30	YC11ST	LV,\$14,SREJJB -JC1 INITIALIZING PACKGE	PE000012
14*	230752.40	231121.75 00		SVA,14,YSPDCR	PE000013
15*	230753.00	231071.35 30		SV,\$14,YC1JJC	PE000014
16*	230753.40	231067.34 10		LX,\$14,YC1MTT	PE000015
17*	230754.00	230747.35 10		SX,\$14,YJC1TT	PE000016
18*	230754.40	230763.50 00		B,YC1A1	PE000017
19*	230755.00	215001.20 80	230766.34 06 YC1A	BBZ,SJ1FUL,YC1UNC-.32	PE000018
20*	230756.00	230771.21 80	230763.74 00	BZB,Y1UCXW+1.17,YC1A1	PE000019
21*	230757.00	230364.75 80	230763.74 04	BZBZ,REJJOB+.61,YC1A1 -TEST FOR UK	PE000020
22*	230760.00	020606.33 01		LVI,\$13,YISUKM	PE000021
23*	230760.40	231553.34 30	YC1PRJ	LV,\$14,LASTPP	PE000022
24*	230761.00	000000.45 8E	001000.36 F0	CM1111(BU,1),TRJECT(\$14)	PE000023
25*	230762.00	000001.33 3E		SV,\$13,1.(\$14)	PE000024
26*	230762.40	000000.46 8E	001000.00 F0	CM0000(BU,1),TASGNP(\$14)	PE000025
27*	230763.40	000040.10 00	YC1A1	B,DMCP	PE000026
28*	230764.00	000117.40 80		,SKCM	PE000027
29*	230764.40	000003.00 80		,3.0 -SCR1	PE000028
30*	230765.00 *	000000.00 80	YC1CA	,0	PE000029
31*	230765.40	231062.10 00		B,YC1C -END RETURN - TO SDRET	PE000030
32*	230766.00	230765.25 80		LVE,\$10,YC1CA	PE000031
33*	230766.40	230770.35 01	YC1UNC	LVI,\$14,Y1UCXW -TO UNCODE	PE000032
34*	230767.00	231215.10 00		B,YUNCOD	PE000033
35*	230770.00	000000.00+ 000	000000 000000 Y1UCXW	XW,C -INFORMATION SLOT	PE000034
36*	230771.00	000001.00+		VF,1.0 -TYPE OF CARD DISPOSITION	PE000035
37*	230771.40	000000.00 8A		,0(\$10)	PE000036
38*	230772.00	231074.00 80		,YC1DB	PE000037
39*	230772.40	231022.50 00		B,YC1B -ERROR RETURN	PE000038
40*	230773.00	230771.34 30		LV,\$14,Y1UCXW +1.0 -PICK UP TYPE OF CARD	PE000039
41*	230773.40	000000.14 0E		BR,C(\$14) -GO TO SERVICE ROUTINE	PE000040
42*	230774.00	000002.35 01		LVI,\$14,2.0	PE000041
43*	230774.40	231013.50 00		B,YC1TC -T.O.P. CARD	PE000042
44*	230775.00	000000.35 01		LVI,\$14,0.0	PE000043
45*	230775.40	231007.10 00		B,YC1JC -JOB CARD	PE000044
46*	230776.00	000004.35 01		LVI,\$14,4.0	PE000045
47*	230776.40	230771.35 30		SV,\$14,Y1UCXW+1.0 --LIM CARD CHANGE	PE000046
48*	230777.00	230763.50 00		B,YC1A1 -DISPOSITION + RETURN	PE000047
49*	230777.40	000000.30 00		NOP	PE000048

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	231000
1*	231000.00 *	231075.00	80	006000.06	70	LF(BU,6),YC1DB+1.0	PE000050
2*	231001.00	530000.00	80	406000.23	10	KFI(BU,6),YDOLLR	PE000051
3*	231002.00	230763.76	C2			BAE,YC1A1	PE000052
4*	000000.00+	+00000053		BU,06 ,06	YDOLLR	(A*)DDI(BU,6,6),\$*	PE000053
5*	231002.40	230770.34	10			LX,\$14,Y1UCXW	PE000054
6*	231003.00	231073.35	10			SX,\$14,YC1DB-1.0	PE000055
7*	231003.40	231004.77	01			LVI,\$15,\$+1.0	PE000056
8*	231004.00	231703.10	00			B,LDECOD	PE000057
9*	231004.40	231073.00+				VF,YC1DB-1.0	PE000058
10*	231005.00	000000				CF,C	PE000059
11*	231005.40	000000.00+		YC1DJD		VF,C	PE000060
12*	231006.00	231017.10	00			B,YC1DJP	PE000061
13*	231006.40	230763.50	00			B,YC1A1	PE000062
14*						- *****	PE000063
15*						- SERVICE ROUTINE FOR JOB AND T.O.P. CARDS	PE000064
16*						- *****	PE000065
17*	231007.00	231075.32	10	YC1JC		LX,\$13,YC1DB+1.0	PE000066
18*	231007.40	231072.33	10			SX,\$13,YC1DB-2.0	PE000067
19*	231010.00	230771.35	30			SV,\$14,Y1UCXW+1.0	PE000068
20*	231010.40	000040.10	00			B,D MCP	PE000069
21*	231011.00	000121.40	80			,S LOG 1	PE000070
22*	231011.40	000000.30	CA			NQP,0.0(\$10)	PE000071
23*	231012.00	231063.40	80			SIC,YC1RP	PE000072
24*	231012.40	231063.10	00			B,YC1JT	PE000073
25*	231013.00	230763.50	00			B,YC1A1	PE000074
26*	231013.40 *	230770.51	80	231053.34	02	BB,.41+Y1UCXW,YC1SCN	PE000075
27*	231014.40	230770.53	80	231016.34	02	BB,.43+Y1UCXW,\$+1.32	PE000076
28*	231015.40	000004.35	01			LVI,\$14,4.0	PE000077
29*	231016.00	230771.35	30			SV,\$14,Y1UCXW+1.0	PE000078
30*	231016.40	230763.50	00			B,YC1A1	PE000079
31*						- *****	PE000080
32*						- ERROR ANALYSIS ROUTINES	PE000081
33*	231017.00	231005.72	30	YC1DJP		LV,\$13,YC1DJD	PE000082
34*	231017.40	000035.32	80			V+,\$13,\$13	PE000083
35*	231020.00	000035.32	80			V+,\$13,\$13	PE000084
36*	231020.40	000020.33	00			V-I,\$13,16.0	PE000085
37*	231021.00	231115.70	C2			BXVLZ,YC1HLP	PE000086
38*	231021.40	020532.33	05			V+I,\$13,YDEJM1	PE000087
39*	231022.00	231051.50	00			B,YC1EJ1	PE000088
40*	231022.40	000000.00	8A	014000.20	50	L(BU,12),0(\$10)	PE000089
41*	231023.40	110000.00	80	414000.23	10	KFI(BU,12),(8)1100	PE000090
42*	231024.40	230763.76	C2			BAE,YC1A1	PE000091
43*	231025.00	230771.32	30			LV,\$13,Y1UCXW+1.0	PE000092
44*	231025.40	231111.32	30			LV,\$13,YC1EM(\$13)	PE000093
45*	231026.00	020656.33	04			KVI,\$13,YICEM	PE000094
46*	231026.40	231030.72	C0			BZXE,\$+2.0	PE000095
47*	231027.00 *	420000.00	80	414000.23	10	KFI(BU,12),(8)4200	PE000096
48*	231030.00	231053.36	C0			BZAE,YC1SCN	PE000097
49*	231030.40	231376.00	80	060000.06	70	LF(BU,48),YUCBF2	PE000098
50*	231031.40	231414.00	80	060000.23	10	KF(BU,48),YTYPMK	PE000099
51*	231032.40	230763.76	C2			BAE,YC1A1	PE000100
52*	231033.00	020632.33	04			KVI,\$13,YEMJC	PE000101
53*	231033.40	231046.32	C0			BZXE,YC1SEJ	PE000102

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	231034
1*	231034.00	231072.00	80	000400.CC FC	CMOC00,YC1DB-2.0	-	PE000104
2*	231035.00	231043.77	50	YC1SC	SC,\$15,Y1SCCS	-SET UP COUNT FOR SYSTEM COMMANDS.	PE000105
3*	231035.40	231074.00	80	060000.C6 70	LF(BU,48),YC1DB		PE000106
4*	231036.40	231070.00	80	060000.23 10	KF(BU,48),YCOMDM		PE000107
5*	231037.40	231041.76	C2		BAE,YC1SCC		PE000108
6*	231040.00	231063.40	80		SIC,YC1RP		PE000109
7*	231040.40	231063.10	00		B,YC1JT		PE000110
8*	231041.00	231046.10	00		B,YC1SEJ		PE000111
9*	231041.40	000040.10	00	YC1SCC	B,DMCP		PE000112
10*	231042.00	000120.00	80		,SCCMD		PE000113
11*	231042.40	000001.00	80		,1.0	-DISPOSITION FOR JCI.	PE000114
12*	231043.00 *	231074.00	80		,YC1DB		PE000115
13*	231043.40	000000.00	80	Y1SCCS	,0		PE000116
14*	231044.00	231065.50	00		B,YCOMDJ		PE000117
15*	231044.40	215001.12	80	231062.34 02	BB,STRANB,YC1C		PE000118
16*	231045.40	230763.50	00		B,YC1A1		PE000119
17*	231046.00	231047.77	C1	YC1SEJ	LVI,\$15,\$+1.32	-	PE000120
18*	231046.40	231074.22	00		Z,YC1DB	-ZERO ALPHA+1.0 SLOT	PE000121
19*	231047.00	231703.10	00		B,LDECOD		PE000122
20*	231047.40	231073.00+			VF,YC1DB-1.0		PE000123
21*	231047.71			1	DD(BU,2),(2)01	-REJECT BIT SET TO ONE.	PE000124
22*	231050.00	000000			CF,0		PE000125
23*	231050.40	000000.00+			VF,0		PE000126
24*	231051.00	000000.30	00		NOB		PE000127
25*	231051.40	231553.34	30	YC1EJ1	LV,\$14,LASTPP		PE000128
26*	231052.00	000001.33	3E		SV,\$13,1.(\$14)		PE000129
27*	231052.40	231056.50	00		B,YC1SEX		PE000130
28*	231053.00	231074.22	00	YC1SCN	Z,YC1DB	-ZERO ALPHA + 1. SLOT	PE000131
29*	231053.40	231054.77	C1		LVI,\$15,\$+1.0		PE000132
30*	231054.00	231703.10	00		B,LDECOD	-TO DECODE	PE000133
31*	231054.40	231073.00+		YSJDCS	VF,YC1DB -1.0		PE000134
32*	231055.00	000000			CF,0		PE000135
33*	231055.40	000000.00+			VF,0		PE000136
34*	231056.00	000000.30	00		NOB		PE000137
35*	231056.40 *	000040.10	00	YC1SEX	B,DMCP	-SCAN TO NEXT JOB.	PE000138
36*	231057.00	000117.40	80		,SKOM		PE000139
37*	231057.40	000003.40	80		,3.32	--SCAN	PE000140
38*	231060.00	231134.00	80	022000.22 B0	M+1(BU,18),YC1JOC		PE000141
39*	231061.00	000001.35	01		LVI,\$14,1.0	- RESTORE DISP. TO JOB	PE000142
40*	231061.40	230771.35	30		SV,\$14,Y1UCXW+1.0		PE000143
41*	231062.00	000040.10	00	YC1C	B,DMCP		PE000144
42*	231062.40	000041.00	80		,SDRET		PE000145
43*	231063.00	231071.34	50	YC1JT	LC,\$14,YC1JJC		PE000146
44*	231063.40	231063.70	42	YC1RP	BXCZ,\$		PE000147
45*	231064.00	000001.35	08		C-1,\$14,1		PE000148
46*	231064.40	231071.35	50		SC,\$14,YC1JJC		PE000149
47*	231065.00	231056.50	00		B,YC1SEX		PE000150
48*	231065.40	020666.33	01	YCCMDJ	LVI,\$13,YCOMJM		PE000151
49*	231066.00	230760.50	00		B,YC1PRJ		PE000152
50*	231066.40	000000.30	00		CNOP		PE000153

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231067
1*	231067.00		0401 YC1MTT	DD(BU,12),(8)0401		PE000155
2*	231067.14 *	000000.41		DR(BU,33),(1)		PE000156
3*				EXT(0,18)		PE000157
4*	231067.55		0461732	B,YC1A		PE000157
5*	231070.00		YCCMDM	(AX)DD(BU,48,6),CMD X		PE000158
6*	231071.00	CC0000.00+	YC1JJC	VF,0		PE000159
7*	231072.00 *	C00002.00		DR(N),(2)		PE000160
8*	231074.00	000015.00	YC1DB	DR(N),(13)	-DECODE BUFFER	PE000161
9*	231111.00	C2C636.00+	YC1EM	VF,YTCM		PE000162
10*	231111.40	C00000.30 00		NOP		PE000163
11*	231112.00	C2C632.00+	Y C1JCM	VF,YEMJC		PE000164
12*	231112.40	C00000.30 00		NOP		PE000165
13*	231113.00	C2C646.00+		VF,YLCM		PE000166
14*	231113.40	C00000.30 00		NOP		PE000167
15*	231114.00	C00000.30 00		NOP		PE000168
16*	231114.40	C00000.30 00		NOP		PE000169
17*	231115.00	C2C656.00+	YC1IDM	VF,YICM		PE000170
18*	231115.40	215001.20 80	001000.36 F0	YC1HLP	CM1111,SJ1FUL	PE000171
19*	231116.40	231062.10 00		B,YC1C		PE000172
20*				- THE FOLLOWING IS A ROUTINE TO EVALUATE THE STATUS OF A SPOOL TAPE		PE000173
21*				- AT TAPE-SWITCH TIME.		PE000174
22*						PE000175
23*						PE000176
24*	231117.00	C00035.00 80	231134.04 E0	YTST	SWAPI,2,YJCX,YC1JCX	PE000177
25*	231120.00	230364.20 80	001000.20 50		L(BU,1),REJJOB+.16	PE000178
26*	231121.00	C00026.32 50			LC,YJCX,VT2	PE000179
27*	231121.40	000000.33 08		YSPDCR	C-I,YJCX,0	PE000180
28*	231122.00	231130.70 42			BXCZ,YTCU	PE000181
29*	231122.40	C00001.61 8E	001000.12 F0	YRTL	CM0101,YTRB(YPPRX)	PE000182
30*	231123.40	C00002.35 07			V+ICR,YPPRX,2.0	PE000183
31*	231124.00 *	231122.72 48			CB,YJCX,YRTL	PE000184
32*	231124.40	230364.21 80	231127.74 00		BZB,REJJOB+.17,YHSPK	PE000185
33*	231125.40	C00001.33 0D			V-I,YJCX,1.0	PE000186
34*	231126.00	C00001.61 8E	001000.36 F0		CM1111,YTRB(YPPRX)	PE000187
35*	231127.00	C00002.35 07			V+ICR,YPPRX,2.0	PE000188
36*	231127.40	231130.15 0D		YHSPK	SVA,VT2,\$+.32	PE000189
37*	231130.00	231130.33 0D			V-I,YJCX,\$	PE000190
38*	231130.40	230364.33 50		YTCU	SC,YJCX,REJJOB	PE000191
39*	231131.00	231121.40 80	022000.00 F0		CM0000(BU,18),YSPDCR	PE000192
40*	231132.00	C00035.00 80	231134.04 E0		SWAPI,2,YJCX,YC1JCX	PE000193
41*	231133.00	400000.10 00		YTSTR	B,(8)400000.0	PE000194
42*					- PARAMETERS FOR ABOVE ROUTINE	PE000195
43*	231134.00	C00000.00+ 000	000000 000000	YC1JCX	XW,0	PE000196
44*	231135.00	232234.00+ 000	000025 232231		XW,TPREF,TPPC,TPPREF	PE000197
45*	231134.00+	+00000000	BU,22 ,10	YC1JDC	SYN(BU,18),YC1JCX	PE000198
46*	000035.00+	+00000000	BU,100,10	YJCX	SYN,\$13	PE000199
47*	000036.00+	+00000000	BU,100,10	YPPRX	SYN,YJCX+1.0	PE000200
48*	000001.61+	+00000000	BU,01 ,10	YTRB	SYN(BU,1),1.49	PE000201
49*	020376.00+	+00000000	BU,100,10	WREJRT	SYN,YTRT+.32	PE000202

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION		
1*					- *****	QA000001		
2*					- JOB CONTROL, PHASE 4, -OVERLAPPED	QA000002		
3*					- *****	QA000003		
4*	231136.00 *				SLC,\$	QA000004		
5*					CNOP	QA000005		
6*	231136.00		0401	YJC4TT	DD(BU,12,3),(8)04C1	QA000006		
7*	231136.14 *	000000.41			DR(BU,33),(1)	QA000007		
8*					EXT(0,18)	QA000008		
9*	231136.55		0463203		B,YC4NO	QA000008		
10*	231137.00 *	000002.00			DR(BU),(2)	QA000009		
11*	020000.00+	+00000000	NULL	YPPMEM	SYN,(8)20000.	QA000010		
12*	030000.00+	+00000000	NULL	YMAX	SYN,(8)30000. -UPPER END OF JC4 WHILE IN CORE	QA000011		
13*					- SPECIAL PACKAGE TO PULL MCP PROGRAMS FROM THE DISK.	QA000012		
14*	231141.00	231151.43	50	YMPFCH	SC,1,YFHFWA	QA000013		
15*	231141.40	000000.34	81		LF(BU,36),.28(\$1)	QA000014		
16*	231142.40	231164.00	80		KF(BU,36),YMP SAV	QA000015		
17*	231143.40	231164.00	80		ST(BU,36),YMP SAV	QA000016		
18*	231144.40	000000.02	31		LV,\$1,0(\$1)	QA000017		
19*	231145.00	231156.03	D0		SVA,\$1,YFHBR	QA000018		
20*	231145.40	231156.36	C2		BAE,YFHBR	QA000019		
21*	231146.00	231150.14	80	044000.12	SF(BU,36),YFH TA	QA000020		
22*	231147.00	000040.10	00	YFDD	B,DMCP	QA000021		
23*	231147.40	000102.40	80		,DFETCH	QA000022		
24*	231150.00				(AX)DD(BU,12,6),22X	QA000023		
25*	231150.14 *	000000.64		YFH TA	DR(BU,52),(1)	QA000024		
26*	231151.00	000000.00	80		,0	QA000025		
27*	231151.40	000000.00	80	YFHFWA	,0	QA000026		
28*	231152.00	000000.00	80		,0	QA000027		
29*	231152.40	000000.00	80		,0	QA000028		
30*	231153.00	231153.20	00		BEW,\$	QA000029		
31*	231153.40	000000.30	00		NOP	QA000030		
32*	231154.00	000000.03	01		LVI,1,0	QA000031		
33*	231154.40	234212.43	30		SV,1,XNF0ST	QA000032		
34*	231155.00	234214.22	00		Z,CBUFF	QA000033		
35*	231155.40	234220.22	00		Z,CFOT	QA000034		
36*	231156.00	231156.10	00	YFHBR	B,\$	QA000035		
37*	231157.00	231165.00+	000	234424	000000	YXWDMP	XW,YDMPTA,YMPBUF,0,0	QA000036
38*	231160.00	231166.00+	000	234424	000000	YXWCMD	XW,YCMDTA,YMPBUF,0,0	QA000037
39*	231161.00	231167.00+	000	234424	000000	YXWDB	XW,YDBTA,YMPBUF,0,0	QA000038
40*	231162.00	231170.00+	000	020000	000000	YXWEJM	XW,YECJTA,YPPMEM	QA000039
41*	231163.00	231171.00+	000	234424	000000	YXWRLD	XW,YRLTA,YMPBUF	QA000040
42*	231164.00 *	000000.00+	000	000000	000000	YMP SAV	XW,0	QA000041
43*						YDMPTA	EXT(0,27)	QA000042
44*	231165.00			0471611000			BE,AWDUMP	QA000042
45*	231165.34						(AX)DD(BU,36,6),\$DUMP X	QA000043
46*						YCMDTA	EXT(0,27)	QA000044
47*	231166.00			0471106000			BE,JCCMD	QA000044
48*	231166.34						(AX)DD(BU,36,6),SCOMD X	QA000045
49*						YDBTA	EXT(0,27)	QA000046
50*	231167.00			0471050000			BE,YDBBEG	QA000046
51*	231167.34						(AX)DD(BU,48,6),\$DUMP X	QA000047
52*						YECJTA	EXT(0,27)	QA000048
53*	231170.00			0040000000			BE,YPPMEM	QA000048
54*	231170.34						(AX)DD(BU,36,6),\$EOJ X	QA000049
55*						YRLTA	EXT(0,27)	QA000050
56*	231171.00			0472544000			BE,YRESL1	QA000050

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231171
1*	231171.34			(AX)DD(BU,36,6),LOADERX		QA000051
2*	231172.00	231202.50 00	Y PR	B,YPRSPL -CONSOLE MESS. PRINT. NOP = BYPASS, NOP,1. = BYPASS		QA000052
3*			-	ANC ONLINE, NOP,2. - ON/OFFLINE AND BYPASS.		QA000053
4*	231172.40	231172.05 80		LVE,2,YPR		QA000054
5*	231173.00	00000.14 02		BR,C(\$2)		QA000055
6*	231173.40	215001.10 80		BZB,SYSMOD,YPRSPL	231202.74 00	QA000056
7*	231174.40	215001.11 80		BB,SYSMOD.1,YPRSPL	231202.74 02	QA000057
8*	231175.40	231177.03 30		SV,1,YPRCNV		QA000058
9*	231176.00	231177.37 01		LVI,\$15,\$+1.		QA000059
10*	231176.40	230566.04 00		BD,SA8IGS		QA000060
11*	231177.00	000000.00+	YPRCNV	VF,C		QA000061
12*	231177.40	000100		CF,64		QA000062
13*	231200.00 *	231205.00+		VF,YPRCMM		QA000063
14*	231200.40	000040.00 00		BE,\$MCP		QA000064
15*	231201.00	000043.40 80		,\$CCMM		QA000065
16*	231201.40	231205.00 80		,\$YPRCMM		QA000066
17*	231202.00	000010.00 80		,8.		QA000067
18*	231202.40	224052.00 80	YPRSPL	SIC,ZSPLP9		QA000068
19*	231203.00	224046.44 00		BD,ZSPLPR		QA000069
20*	231203.40	000000.00 81		,0(\$1)		QA000069
21*	231204.00	000010.00 80		,8.		QA000070
22*	231204.40	000000.00 00	YPRRET	BE,C		QA000071
23*	231205.00 *	000010.00	YPRCMM	DRZ(N),(8)		QA000072
24*			-	*****		QA000073
25*			-	UNCODE SUBROUTINE TO DECIPHER SYSTEM CARDS		QA000074
26*			-	*****		QA000075
27*	231215.00	000033.00 80	YUNCOD	TI,3,\$11,YUXSAV	231363.06 AC	QA000076
28*	231216.00	000001.73 8E		LVE,\$13,1.32(\$14)		QA000077
29*	231216.40	000000.00 8D		L(BU,12),0.0(\$13)	014000.20 50	QA000078
30*	231217.40	420000.00 80		KFI(BU,12),(2)10001000000	414000.23 10	QA000079
31*	231220.40	231350.36 C4		BZAEZ,YUER		QA000080
32*	231221.00	231223.33 30		SV,\$13,YUECS		QA000081
33*	231221.40	000001.32 3E		LV,\$13,1.0(\$14)		QA000082
34*	231222.00	231223.37 01		LVI,\$15,\$+1.0		QA000083
35*	231222.40	230622.04 00		BD,SCA6		QA000084
36*	231223.00	000000.00+	YUECS	VF,0.0		QA000085
37*	231223.40	000120		CF,80		QA000086
38*	231224.00	231366.00+		VF,YUCBF1		QA000087
39*	231224.40	231225.77 01		LVI,\$15,\$+1.0		QA000088
40*	231225.00	230672.04 00		BD,SBRK8		QA000089
41*	231225.40	231366.66+		VF,YUCBF1+.54		QA000090
42*	231226.00	000065		CF,53.		QA000091
43*	231226.40	231376.00+		VF,YUCBF2		QA000092
44*	231227.00	000001.00+	YUSB8C	VF,1.		QA000093
45*	231227.40	000001.33 01		LVI,\$13,1.0		QA000094
46*	231230.00 *	231230.40 00	YIPL1	BE,\$+.32		QA000095
47*			-	JOB CARD SO FAKE DISPOSITION		QA000096
48*	231230.40	231376.00 80		L(BU,48),YUCBF2	060000.20 50	QA000097
49*	231231.40	231414.00 8D		K(BU,48),YTPMK(\$13)	060000.21 10	QA000098

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231232
1*	231232.40	C00001.33 04		KVI,\$13,1.0	-TEST DISPOSITION	QA000100
2*	231233.00	231236.36 C4		BZAEZ,YMKEAR	-IF FIRST FIELD IS NOT CORRECT,	QA000101
3*					FURTHER TESTING IS REQUIRED	QA000102
4*	231233.40	231242.32 C6		BXEZ,YJCBC	-DISP. WAS JOB	QA000103
5*	231234.00	231243.72 46		BXLZ,YTOPGO	-CARD WAS T.O.P. - GO TYPE	QA000104
6*	231234.40	C00002.33 C4		KVI,\$13,2.0	-TEST DISPOSITION FURTHER	QA000105
7*	231235.00	231303.32 C6		BXEZ,YLIMC	-CARD WAS A LIM.	QA000106
8*	231235.40	231326.50 00		B,YIODC	-CARD WAS AN ICD.	QA000107
9*	231236.00	231343.72 C2	YMKEAR	BXE,YJOCER		QA000108
10*	231236.40	231350.32 42		BXL,YUER		QA000109
11*	231237.00	000002.33 04		KVI,\$13,2.0	-DISP. 2.0 OR 4.0	QA000110
12*	231237.40	231350.32 C6		BXEZ,YUER	-DISPOSITION WAS LIM- TO ERROR RETURN	QA000111
13*	231240.00	231417.00 80	060000.21 10	K(BU,48),YRELMK	-TESTR FOR REEL CARD	QA000112
14*	231241.00	231336.36 C6		BAEZ,YREELC		QA000113
15*	231241.40	231350.10 00		B,YUER		QA000114
16*						QA000115
17*						QA000116
18*						QA000117
19*						QA000118
20*	231242.00	000001.32 9E	YJCBC	KV,\$13,1.0(\$14)		QA000119
21*	231242.40	231352.72 C6		BXEZ,YNORR		QA000120
22*	231243.00	231350.10 C0		B,YUER		QA000121
23*	231243.40 *	000034.22 C0	YTOPGO	Z,\$12	-GO - SET COUNT FIELD TO PROPER	QA000122
24*	231244.00	000004.31 02		LCI,\$12,(2)00100	-VALUE + GO TO NORMAL RETURN	QA000123
25*	231244.40	231377.00 80	060000.20 50	L(BU,48),YUCBF2+1.0		QA000124
26*	231245.40	231413.00 80	060000.21 10	K(BU,48),YGOMK		QA000125
27*	231246.40	231261.36 C2		BAE,YBSSGO		QA000126
28*	231247.00	231421.00 80	060000.21 10	K(BU,48),YCOMMK		QA000127
29*	231250.00	231267.76 C2		BAE,YTOPCM		QA000128
30*	231250.40	231422.00 80	060000.21 10	K(BU,48),YCNGMK		QA000129
31*	231251.40	231270.76 C2		BAE,YTOPCG		QA000130
32*	231252.00	231424.00 80	060000.21 10	K(BU,48),YUPDAT		QA000131
33*	231253.00	231350.36 C0		BZAE,YUER		QA000132
34*	231253.40	215001.10 80	231350.34 00	BZB,SYSMOD,YUER		QA000133
35*	231254.40	215001.03 80	001000.36 F0	CM1111,SCORG		QA000134
36*	231255.40	C00042.33 01		LVI,\$13,(8)42.		QA000135
37*	231256.00	215005.33 30		SV,13,SBAPP		QA000136
38*	231256.40	215012.32 30		LV,\$13,SROOF		QA000137
39*	231257.00 *	231426.73 30		SV,\$13,YLOL2		QA000138
40*	231257.40	C00035.22 00		Z,\$13		QA000139
41*	231260.00	231426.33 30		SV,\$13,YLOL1		QA000140
42*	231260.40	020202.50 00		B,WJC4G2		QA000141
43*	231261.00	231227.36 50	YBSSGO	LC,15,YUSB8C		QA000142
44*	231261.40	000002.37 0A		KCI,15,2		QA000143
45*	231262.00	231352.73 40		BZXH,YNORR		QA000144
46*	231262.40	231400.00 80	060000.20 50	L(BU,48),YUCBF2+2.	-INTERPRET GO, AS CMPILGO,...	QA000145
47*	231263.40	231424.60 80	060000.23 10	KF(BU,48),YFORTR	-AND FORTRAN AS BSS	QA000146
48*	231264.40	231270.76 C0		BZAE,YTOPCG		QA000147
49*	231265.00	232542.00 80	060000.06 70	LF(BU,48),ABSSID		QA000148
50*	231266.00	231400.00 80	060000.12 F0	SF(BU,48),YUCBF2+2.		QA000149

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231267
1*	231267.00	231270.50 00		B,YTOPCG		QA000151
2*	231267.40	000023.31 02	YTOPCM	LCI,\$12,(2)10011		QA000152
3*	231270.00	231271.10 00		B,YTOPCG+.32		QA000153
4*	231270.40	000013.31 02	YTOPCG	LCI,\$12,(2)01011		QA000154
5*	231271.00	231227.36 50		LC,\$15,YUSB8C		QA000155
6*	231271.40	000003.37 0A		KCI,15,3		QA000156
7*	231272.00	231352.73 40		BZXH,YNORR		QA000157
8*	231272.40 *	231401.00 80		L(BU,48),YUCBF2+3.0		QA000158
9*	231273.40	021060.61 80		K(BU,48),YNLST		QA000159
10*	231274.40	231276.36 C0		BZAE,\$+1.32		QA000160
11*	231275.00	000034.54 8C		CMOC00(BU,1),\$12+.44		QA000161
12*	231276.00	000004.37 CA		KCI,15,4		QA000162
13*	231276.40	231352.73 40		BZXH,YNORR		QA000163
14*	231277.00	231402.00 80		L(BU,48),YUCBF2+4.0		QA000164
15*	231300.00	021062.00 80		K(BU,48),YNOPUN		QA000165
16*	231301.00	231352.76 C0		BZAE,YNORR		QA000166
17*	231301.40	000034.55 80		CMOC00(BU,1),\$12+.45		QA000167
18*	231302.40	231352.50 00		B,YNORR		QA000168
19*	231303.00	231361.30 10	YLIMC	LX,\$12,YUCX12	-LIM CARD- CONVERT BCD ZEROS	QA000169
20*	231303.40	120000.00 80		LI(BU,6),(2)001010	-TO TRUE ZEROS	QA000170
21*	231304.40	000000.06 8C	YLL2	CT0110(V+I)(BU,6),.6(\$12)	-IS THIS BYTE A BCD ZERO	QA000171
22*	231305.40	231307.34 C4		BZRZ,\$+1.32	-IF NOT TEST NEXT BYTE	QA000172
23*	231306.00 *	777777.72 8C		CMOC00(BU,6),-.6(\$12)	-IF SQ, REPLACE BY TRUE ZERO	QA000173
24*	231307.00	231304.70 4C		CBR,\$12,YLL2		QA000174
25*	231307.40	231304.63 40		BZXF,YLL2		QA000175
26*	231310.00	231400.00 80		LF(BU,36,6),YUCBF2+2.0		QA000176
27*	231311.00	000034.34 80		SF(BU,18,3),\$12.28		QA000177
28*	231312.00	231377.00 80		LF(BU,36,6),YUCBF2+1.0		QA000178
29*	231313.00	000034.00 80		SF(BU,18,3),\$12		QA000179
30*	231314.00	231317.34 C0		BZRZ,\$+3.0		QA000180
31*	231314.40	000041.00 80		LI(BU,18),(8)41.,46		QA000181
32*	231315.40	000011.30 80		V+,\$12,\$R		QA000182
33*	231316.00	000034.34 80		M+(BU,18),\$12.28,46		QA000183
34*	231317.00	215020.70 90		KV,\$12,STERMI		QA000184
35*	231317.40	231322.32 42		BXL,YUCLLC		QA000185
36*	231320.00	215012.31 90		KC,\$12,SROOF		QA000186
37*	231320.40	231350.33 42		BXH,YUER		QA000187
38*	231321.00	215012.26 30		LV,\$11,SROOF		QA000188
39*	231321.40 *	231324.50 00		B,YUCLLH		QA000189
40*	231322.00	215000.31 90	YUCLLC	KC,\$12,SMCP		QA000190
41*	231322.40	231350.33 42		BXH,YUER		QA000191
42*	231323.00	000041.31 04		KVI,\$12,33.0		QA000192
43*	231323.40	231350.32 42		BXL,YUER		QA000193
44*	231324.00	215000.26 30		LV,\$11,SMCP		QA000194
45*	231324.40	215225.27 30	YUCLLH	SV,\$11,SMAXUB		QA000195
46*	231325.00	000034.31 90		KC,\$12,\$12	-IS LOWER GREATER	QA000196
47*	231325.40	231350.33 40		BZXH,YUER	-THAN UPPER LIMIT	QA000197
48*	231326.00	231352.50 00		B,YNORR	-LIMITS OK - TO NORMAL RETURN	QA000198
49*	231326.40	231360.30 10	YIDDC	LX,\$12,YIDX12	-CONVERT I-O REFERENCE	QA000199
50*	231327.00	120000.00 80		LI(BU,6),(2)001010	-NUMBER AND ABSOLUTE EXIT	QA000200

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	231330
1*	231330.00	000000.06	8C 106000.15 70	YIGDTL	CT0110(V+I)(BU,6),.6(\$12)	-FUELD	QA000202
2*	231331.00	231332.74	C4		BZRZZ,YIOCB		QA000203
3*	231331.40	777777.72	8C 006000.00 FO		CM0000(BU,6),-.6(\$12)		QA000204
4*	231332.40	231330.30	4C	YIOCB	CBR,\$12,YIODTL		QA000205
5*	231333.00	231373.64	80 074600.06 70		LF(BU,60,6),YUTOE		QA000206
6*	231334.00	000034.64	80 014330.12 FO		SF(BU,12,3),\$12+.52,48	-PUT IN \$12	QA000207
7*	231335.00 *	000034.00	80 022300.12 FO		SF(BU,18,3),\$12		QA000208
8*	231336.00	231227.30	50	YREELC	LC,\$12,YUSB8C	-LOAD COUNT WITH = OF FIELDS	QA000209
9*	231336.40	000033.00	80 231363.06 EO		SWAPI,3,\$11,YUXSAV		QA000210
10*	231337.40	000002.37	BE		LVE,\$15,2.0(\$14)		QA000211
11*	231340.00	231423.00	80 000000.02 AF		TI,1,YBLWD4,0.0(\$15)		QA000212
12*	231341.00	000000.00	8F 000001.16 AF		TI,7,0.0(\$15),1.0(\$15)		QA000213
13*	231342.00	000033.00	80 231363.06 EO		SWAPI,3,\$11,YUXSAV		QA000214
14*	231343.00	231352.50	00		B,YNORR	-IN BREAKDOWN, AND RETURN	QA000215
15*	231343.40	231227.36	50	YJCCER	LC,\$15,YUSB8C		QA000216
16*	231344.00	000001.32	9E		KV,\$13,1.0(\$14)		QA000217
17*	231344.40	231350.32	C0		BZXE,YUER		QA000218
18*	231345.00	231363.00	80 000033.06 AO		TI,3,YUXSAV,\$11		QA000219
19*	231346.00	000002.37	BE		LVE,\$15,2.0(\$14)		QA000220
20*	231346.40	231376.00	80 000000.36 2F		T,\$15,YUCBF2,0.0(\$15)		QA000221
21*	231347.40	000002.50	0E		B,2.32(\$14)		QA000222
22*	231350.00 *	231363.00	80 000033.06 AO	YUER	TI,3,YUXSAV,\$11		QA000223
23*	231351.00	000002.37	BE		LVE,\$15,2.0(\$14)		QA000224
24*	231351.40	000000.22	CF		Z,0.0(\$15)		QA000225
25*	231352.00	000002.50	0E		B,2.32(\$14)		QA000226
26*							QA000227
27*							QA000228
28*							QA000229
29*							QA000230
30*	231352.40	000000.31	1E	YNORR	SX,\$12,0.0(\$14)	-PUT INFORMATION IN CALLING	QA000231
31*	231353.00	231426.71	80 001000.00 FO		CM0000(BU,1),YTBIT		QA000232
32*	231354.00	231363.00	80 000033.06 AO		TI,3,YUXSAV,\$11	-SEQUENCE	QA000233
33*	231355.00	000002.37	BE		LVE,\$15,2.0(\$14)	-IF BETA SUB I ISN0N ZERO,	QA000234
34*	231355.40	231227.36	50		LC,\$15,YUSB8C	-TRANSMIT BROKEN OUT	QA000235
35*	231356.00	231357.71	42		BXVZ,\$+1.32	-CARD TO REQUESTED AREA	QA000236
36*	231356.40	231376.00	80 000000.36 2F		T,\$15,YUCBF2,0.0(\$15)		QA000237
37*	231357.40	000003.10	0E		B,3.0(\$14)	-RETURN	QA000238
38*	231360.00	231373.64+	000 000012 000000	YIDX12	XW,YUTOE,10,0		QA000239
39*	231361.00	231377.00+	000 000006 231362	YUCX12	XW,YUCBF2+1.0,6,\$+1.0	-INDEX WORDS FOR ABOVE ROUTINE	QA000240
40*	231362.00	231400.00+	111 000006 000000		XW,YUCBF2+2.0,6,0,7		QA000241
41*	231363.00 *	000003.00		YUXSAV	DRZ(BU,64),(3)		QA000242
42*	231366.00	000010.00		YUCBF1	DRZ(BU,64),(8)		QA000243
43*	231376.00	000015.00		YUCBF2	DRZ(BU,64),(13)		QA000244
44*	231413.00			YGOMK	(AX)DD(BU,48,6),GO	X	QA000245
45*					CNOP		QA000246
46*	231414.00			YTYPMK	(AX)DD(BU,48,6),TYPE	X	QA000247
47*					CNOP		QA000248
48*	231415.00				(AX)DD(BU,48,6),JOB	X	QA000249
49*					CNOP		QA000250
50*	231416.00				(AX)DD(BU,48,6),LIM	X	QA000251

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			CNOP		QA000253
2*	231417.00		YRELMK	(AX)DD(BU,48,6),REEL X	QA000254
3*			CNOP		QA000255
4*	231420.00			(AX)DD(BU,48,6),IOD X	QA000256
5*			CNOP		QA000257
6*	231421.00		YCOMMK	(AX)DD(BU,48,6),COMPILE X	QA000258
7*			CNOP		QA000259
8*	231422.00		YCNGMK	(AX)DD(BU,48,6),COMPILGCX	QA000260
9*			CNOP		QA000261
10*	231423.00		YBLWD4	(AX)DD(BU,48,6), X	QA000262
11*			CNOP		QA000263
12*	231424.00		YUPDAT	(AX)DD(BU,48,6),UPDATE X	QA000264
13*	231424.60		YFORTR	(AX)DD(BU,48,6),FORTRAN X	QA000265
14*	231373.64+	+00000000	Y UTOE	SYN,YUCBF1+.372	QA000266
15*	231426.00 *	000001.00	YLLSAV	DR(N),(1)	QA000267
16*	231427.00	000001.00	YDFCS	DR(BU),(1)	QA000268
17*	231430.00 *	000013.00	YEDLL	DRZ(N),(11)	QA000269
18*	231443.00	000017.00	WJOR2	DRZ(U),15	QA000270
19*	231462.00 *	000017.00	YBCBU	DR(BU),(15)	QA000271
20*	231501.00		0 YSSPBT	DD(BU,1),(2)0	QA000272
21*	231501.01		0 YECJS	DD(BU,1),(2)0	QA000273
22*			-	SET EOJ SWITCH TO NORMAL OR ABNORMAL, AND FINISH UP LAST JOB.--	QA000274
23*			-	LOG, DUMP (IF GO),AND RESTORE TABLES	QA000275
24*			-	*****	QA000276
25*	231501.40	231140.75 80	YC4ND	LVE,\$14,YJC4TT+2.32	QA000277
26*	231502.00	231426.31 80		BZB,YLLSAV.25,\$+2.0	QA000278
27*	231503.00	000040.10 00		B,DMCP	QA000279
28*	231503.40	000041.00 80		,DRET	QA000280
29*	231504.00	215005.42 50		LC,1,SMAXRN	QA000281
30*	231504.40	231515.30 42		BXCZ,YWAITS+.32	QA000282
31*	231505.00	215005.02 30		LV,1,SBAPP	QA000283
32*	231505.40	000001.03 05		V+1,1,1.0	QA000284
33*	231506.00	000000.04 31	YWAITL	LV,2,0(\$1)	QA000285
34*	231506.40	231514.71 42		BXVZ,YWAITS	QA000286
35*	231507.00	000000.06 32		LV,3,0(\$2)	QA000287
36*	231507.40	215002.06 80		V+,3,SCHANS	QA000288
37*	231510.00	000000.06 82		V+,3,0(\$2)	QA000289
38*	231510.40	000000.33 83		BZB,SMULTI(\$3),YWAITI	QA000290
39*	231511.40	000000.44 32		LV,2,.32(\$2)	QA000291
40*	231512.00	000000.04 83		V+,2,0(\$3)	QA000292
41*	231512.40	000000.47 82		BB,SSEL(\$2),YWAITS	QA000293
42*	231513.40 *	000000.32 83	YWAITI	BB,SCHOP(\$3),YWAITL	QA000294
43*	231514.40	231506.03 48	YWAITS	CB+,1,YWAITL	QA000295
44*	231515.00	000104.35 04		KVI,\$14,DABEOJ	QA000296
45*	231515.40	231521.72 00		BZXE,YC4B3	QA000297
46*	231516.00	231501.01 80		CM1111,YEOJS	QA000298
47*	231517.00	000040.10 00		B,DMCP	QA000299
48*	231517.40	000100.00 00		BE,DDUMP	QA000300
49*	231520.00	231430.00 80		,YEDLL	QA000301
50*	231520.40	215001.06 80		CM0000(BU,1),SPINCL	QA000302
51*	231521.40	231162.02 10	YC4B3	LX,\$1,YXWEJM	QA000303
52*	231522.00	231141.10 00		B,YMPFCH	QA000304

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231522
1*	231522.40 *		SLC,\$			QD000001
2*			PRND			QD000002
3*			-			QD000003
4*			-	I/O ASSIGNMENT --- DECODE ---		QD000004
5*			-			QD000005
6*			-			QD000006
7*			-			QD000007
8*			-	THE DECODE PROGRAM LINKAGE FORMAT		QD000008
9*			-			QD000009
10*			-			QD000010
11*			-		LVI,\$15,X	QD000011
12*			-		B,LDECCD	QD000012
13*			-	X	VF,A	QD000013
14*			-		CF,B	QD000014
15*			-		VF,C	QD000015
16*			-		BEW,\$ ERROR RETURN	QD000016
17*			-		BEW,\$ NORMAL RETURN	QD000017
18*			-			QD000018
19*			-		LET A = FWA OF THE BREAK DOWN AREA	QD000019
20*			-		LET B = THE MODE	QD000020
21*			-		ZERO = OVERLAP MODE	QD000021
22*			-		NOT ZERO = NOT OVERLAP MODE	QD000022
23*			-		LET C = THE RETURN DISPOSITIONS	QD000023
24*			-		SEE THE DISTRIBUTED WRITE - UP	QD000024

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			PRNS		QD000026
2*					QD000027
3*				RESERVATIONS, TABLES AND COUNTERS	QD000028
4*					QD000029
5*	000000.64+	+00000000	BU,14,10	L IREF SYN(BU,12),0.52 -P.P. REFERENCE NUMBER	QD000030
6*					QD000031
7*				TABLE INDICES FOR REFILL USE	QD000032
8*					QD000033
9*	231523.00	021106.00+	000 000002 231523	L PPURF XW,TPURFT,TUPPC,\$ -NOT OVERLAP PP REF. TBL.	QD000034
10*	231524.00	021111.00+	000 000024 231524	XW,TUIORQ,TUIOC,\$ -NOT OVERLAP I/G REQ. TBL.	QD000035
11*	231525.00	021136.00+	000 000024 231525	XW,TUFRE,TUFRC,\$ -NOT OVERLAP FIRST REEL TBL.	QD000036
12*	231526.00	232234.00+	000 000025 231526	LPPREF XW,TPREFT,TPPC,\$	QD000037
13*	231527.00	232307.00+	000 000120 231527	LIGTBX XW,TIOREQ,TIOC,\$	QD000038
14*	231530.00	232430.00+	000 000062 231530	LFSTRX XW,TFSTRE,TFRC,\$	QD000039
15*	231531.00	231564.00+	000 000036 231531	L SYMUX XW,LSYMU,32-2,\$ -SYMBOLIC TAPE INDEX REFILL	QD000040
16*	231532.00	231624.00+	000 000016 231532	L SYMCX XW,LSYMC,16-2,\$ -SYMBOLIC CHANNEL INDEX REFILL	QD000041
17*	231533.00	231644.00+	000 000016 231533	L NTPUX XW,LNTPU,16-2,\$ -NON-TAPE INDEX REFILL	QD000042
18*	231534.00	231667.00+	000 000011 231534	L XTYPE XW,LDISK,9,\$ -THE TYPE CODE INDEX	QD000043
19*					QD000044
20*				SWAP AREA FOR EIGHT MCP-DECODE INDICES.	QD000045
21*					QD000046
22*	231535.00 *	000000.00+	000 000000 000000	L TY XW	QD000047
23*	231536.00	232234.00+	000 000025 231526	XW,TPREFT,TPPC,LPPREF	QD000048
24*	231537.00	232307.00+	000 000120 231527	XW,TIOREQ,TIOC,LIGTBX	QD000049
25*	231540.00	232430.00+	000 000062 231530	XW,TFSTRE,TFRC,LFSTRX	QD000050
26*	231541.00	231564.00+	000 000036 231531	XW,LSYMU,32-2,LSYMUX	QD000051
27*	231542.00	231624.00+	000 000016 231532	XW,LSYMC,16-2,LSYMCX	QD000052
28*	231543.00	231644.00+	000 000016 231533	XW,LNTPU,16-2,LNTPUX	QD000053
29*	231544.00	000000.00+	000 000000 000000	XW	QD000054
30*					QD000055
31*				TABLE INDICES	QD000056
32*					QD000057
33*	000023.00+	+00000000	BU,100,10	L IODX SYN,\$3 -INDEX FOR GETTING IOD IMAGE	QD000058
34*	000024.00+	+00000000	BU,100,10	L XPP SYN,\$4 -P.P. REFERENCE TABLE INDEX	QD000059
35*	000025.00+	+00000000	BU,100,10	L XIO SYN,\$5 -I.O. REQUEST TABLE INDEX	QD000060
36*	000026.00+	+00000000	BU,100,10	L XFR SYN,\$6 -FIRST REEL NUMBER TABLE INDEX	QD000061
37*	000027.00+	+00000000	BU,100,10	L XSU SYN,\$7 -SYMBOLIC TAPE UNIT TABLE INDEX	QD000062
38*	000030.00+	+00000000	BU,100,10	L XSC SYN,\$8 -SYMBOLIC CHANNEL TABLE INDEX	QD000063
39*	000031.00+	+00000000	BU,100,10	L XNT SYN,\$9 -NON-TAPE TABLE INDEX	QD000064
40*	000032.00+	+00000000	BU,100,10	L WORKX SYN,\$10 -WORKING INDEX	QD000065
41*					QD000066
42*				COUNTERS AND BITS	QD000067
43*					QD000068
44*	231545.00	000000.06+		L NO6 VF,.06 -FOR IX BUMPING	QD000069
45*	231545.31 *	000000.07		L TAPEC DRZ(BU,7),(1) -TAPE REEL COUNTER	QD000070
46*	231545.40	000000.11		L IOSCR DRZ(BU,9),(1) -IOSQ COUNTER	QD000071
47*	231545.51		1	L FINB DD(BU,1),1 -FINAL BIT	QD000072
48*	231545.52		0	L NTB DD(BU,1),0 -NON-TAPE BIT	QD000073
49*	231545.53	000000.07		L COUNT DRZ(BU,7),(1) -COUNT OF RLSYMS	QD000074
50*	231545.62		0	L CVBIT DD(BU,1),0 -OVERLAPPED JOB BIT	QD000075
51*	231545.63			L BLZCR (AX)DD(BU,8,8),0X -BCD-8ZERO	QD000076
52*	231545.73		0	L INFAD DD(BU,1),0 -INFINITE-DISK ADDRESS	QD000077

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	231546
1*	231546.00	000000.00+ 000 000000 000000	L SAVE	XW	-TO SAVE LXNT INDEX	QD000079
2*	231547.00	000000.00+ 000 000000 000000	L SAVEY	XW,0		QD000080
3*	231550.00	000000.00+ 000 000000 000000	L SAVEZ	XW,0		QD000081
4*	231551.00	000000.00+ 000 000000 000000	L PUT	XW		QD000082
5*	231552.00	231560.00+ 000 000104 231552	L CLEAR	XW,LRLCT,4+32+16+16,\$-	TO CLEAR THE INTERNAL TABLES	QD000083
6*						QD000084
7*	231553.00	232234.00+ 000 000000 000000	LASTPP	XW,TPREFT		QD000085
8*	231554.00		L CT	DD(BU,8),1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16		QD000086
9*	231554.10					QD000086
10*	231554.20					QD000086
11*	231554.30					QD000086
12*	231554.40					QD000086
13*	231554.50					QD000086
14*	231554.60					QD000086
15*	231554.70					QD000086
16*	231555.00					QD000086
17*	231555.10					QD000086
18*	231555.20					QD000086
19*	231555.30					QD000086
20*	231555.40					QD000086
21*	231555.50					QD000086
22*	231555.60					QD000086
23*	231555.70					QD000086
24*	231556.00			DD(BU,8),17,18,19,20,21,22,23,24,25,26,27,28,29,30,31		QD000087
25*	231556.10					QD000087
26*	231556.20					QD000087
27*	231556.30					QD000087
28*	231556.40					QD000087
29*	231556.50					QD000087
30*	231556.60					QD000087
31*	231556.70					QD000087
32*	231557.00					QD000087
33*	231557.10					QD000087
34*	231557.20					QD000087
35*	231557.30					QD000087
36*	231557.40					QD000087
37*	231557.50					QD000087
38*	231557.60					QD000087
39*						QD000088
40*				INTERNAL DECODE TABLES		QD000089
41*						QD000090
42*				CNOP		QD000091
43*	231560.00 *	000004.00	L RLCT	DRZ(BU,64),(4)-	THE RLSYM COUNT TABLE	QD000092
44*	231564.00	000040.00	L SYMU	DRZ(BU),(32)	-SYMBOLIC UNIT TABLE	QD000093
45*	000000.61+	+00000000	L RLBIT	SYN(BU,1),0.49	-THE REEL ENTERED BIT	QD000094
46*	231624.00	000020.00	L SYMC	DRZ(BU),(16)	-SYMBOLIC CHANNEL TABLE	QD000095
47*	231644.00	000020.00	L NTPU	DRZ(BU),(16)	-NON TAPE TABLE	QD000096
48*	000000.00+	+00000077	L ZBIT	SYN(BU,1),63	-INFINITY BIT	QD000097

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QD000099
2*				SWAP AREAS FOR THE 3 INTERNAL INDEXES FOR NOT OVERLAP USE	QD000100
3*					QD000101
4*	231664.00	000003.00	L NOSAV	DRZ(BU,64),(3)	QD000102
5*					QD000103
6*				TYPE SYMBOLS AND CODES	QD000104
7*					QD000105
8*	231667.00		L DISK	(AY)DD(BU,60,6),DISK Y	QD000106
9*	231667.74		01	(8)DD(BU,4),1	QD000107
10*	231670.00		L TRACK	(AY)DD(BU,60,6),TRACK Y	QD000108
11*	231670.74		01	(8)DD(BU,4),1	QD000109
12*	231671.00			(AY)DD(BU,60,6),CONSOLE Y	QD000110
13*	231671.74		02	(8)DD(BU,4),2	QD000111
14*	231672.00			(AY)DD(BU,60,6),READER Y	QD000112
15*	231672.74		03	(8)DD(BU,4),3	QD000113
16*	231673.00			(AY)DD(BU,60,6),PUNCH Y	QD000114
17*	231673.74		04	(8)DD(BU,4),4	QD000115
18*	231674.00			(AY)DD(BU,60,6),PRINTER Y	QD000116
19*	231674.74		05	(8)DD(BU,4),5	QD000117
20*	231675.00			(AY)DD(BU,60,6),IQS Y	QD000118
21*	231675.74		06	(8)DD(BU,4),6	QD000119
22*	231676.00			(AY)DD(BU,60,6), Y	QD000120
23*	231676.74		07	(8)DD(BU,4),7	QD000121
24*	231677.00		L TAPE	(AY)DD(BU,60,6),TAPE Y	QD000122
25*	231677.74		10	(8)DD(BU,4),10	QD000123
26*					QD000124
27*					QD000125
28*				IOD AND REEL COMPARISONS	QD000126
29*					QD000127
30*	231700.00		L IOD	(AY)DD(BU,64,6),IOD Y	QD000128
31*				CNOP	QD000129
32*	231701.00		L REEL	(AY)DD(BU,64,6),REEL Y	QD000130
33*				CNOP	QD000131
34*	231702.00 *		L BLANK	(AY)DD(BU,48,6), Y -BCD BLANKS	QD000132
35*					QD000133
36*				DISPATCHER ENTRY TO DECODE	QD000134
37*					QD000135
38*					QD000136
39*	231703.00	231535.00 80	L DECOD	SWAPI,8,LTY,LIODX -SAVE INDEXES	QD000137
40*	231704.00	00000.06 3F		LV,LIODX,C.0(\$15) -GET FWA CONTENTS.	QD000138
41*	231704.40	00000.46 5F		LC,LIODX,C.32(\$15) -CHECK FOR NOT OVERLAP MODE	QD000139
42*	231705.00	231711.70 42		BXCZ,LOVER -IF OVERLAP MODE	QD000140
43*	231705.40	231545.62 80	231711.74 0E	BB1,LOVBIT,LOVER -CHECK AND SET FOR NOT OVERLAP CASE	QD000141
44*	231706.40	000024.00 80	231664.06 E0	SWAPI,3,LXPP,LNOSAV -SAVE THE OVERLAP INDEXES	QD000142
45*	231707.40	231523.00 80	000024.06 A0	TI,3,LPPURF,LXPP -AND INITIALIZE FOR NOT OVERLAP	QD000143
46*	231710.40	00000.22 04		Z,0.0(LXPP) -ZERO FIRST PPREF ENTRY.	QD000144
47*	231711.00	00001.22 04		Z,1.0(LXPP)	QD000145
48*	231711.40	00001.00 83	000000.20 50	L OVER L(BU,64),1.0(LIODX),C.0	QD000146
49*	231712.40	231545.51 80	231715.74 02	BB,LFINB,LINIT -BRANCH ON FINAL BIT 1	QD000147
50*	231713.40	232126.34 C6		BRZZ,LFINAL -BRANCH ON ZERO FWA	QD000148
51*	231714.00	00001.01 83	231750.74 02	LFWA BB,1.1(LIODX),LIDORN -TEST FOR I OR R	QD000149
52*	231715.00	232103.50 00		B,LREELR	QD000150

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QD000152
2*				INITIALIZATION ROUTINE	QD000153
3*					QD000154
4*					QD000155
5*	231715.40 *	000001.00 83	L INIT	L(BU,24),1.0(LIODX)	QD000156
6*	231716.40	231547.13 10		SX,LXIO,LSAVEY -SAVE THE IOREQ INDEX	QD000157
7*	231717.00	231550.15 10		SX,LXFR,LSAVEZ -SAVE THE FREEL TABLE INDEX	QD000158
8*	231717.40	231721.34 C2		BRZ,LINITA+1. -IF REJ END COMBO	QD000159
9*	231720.00	231545.51 80	L INITA	CM0000(BU,1),LFINB,0.0 -FINAL BIT TO 0.	QD000160
10*	231721.00	231545.73 80		CM0000,LINFAD -ZERO THE INF DISK	QD000161
11*	231722.00	231545.53 80		CM0000,LCOUNT -ZERO RLSYM NO. COUNT.	QD000162
12*	231723.00	231552.24 10		LX,LWORKX,LCLEAR -CLEAR RLSYM COUNT TABLE	QD000163
13*	231723.40	000000.22 0A		Z,0.0(LWORKX)- SYMBOLIC CHANNEL AND UNIT TABLES	QD000164
14*	231724.00	231723.65 4C		CBR+,LWORKX,\$-.32- AND THE NON TAPE TABLES	QD000165
15*	231724.40	000024.24 10		LX,LWORKX,LXPP -LOOK AT THE NEXT PP REF SLOT WITHOUT	QD000166
16*	231725.00	000002.25 07		V+ICR,LWORKX,2.0 -DESTROYING THE LXPP INDEX.	QD000167
17*	231725.40	000000.44 8A		L,TJBPRC(LWORKX) -IS THE NEXT PP REF TBL SLOT AVAILABLE	QD000168
18*	231726.40	231732.74 C4		BZRZZ,LINITB - YES---STEP DOWN.	QD000169
19*	231727.00	000000.00 8A		L,TCRREF(LWORKX) -IS THE NEXT PP REF TBL SLOT AVAILABLE	QD000170
20*	231730.00	231732.74 C6		BRZZ,LINITB - YES---STEP DOWN.	QD000171
21*	231730.40	000001.37 02		LCI,\$15,1.0 -NO -- ERROR FLAG 1.	QD000172
22*	231731.00 *	231545.51 80		CM1111(BU,1),LFINB,0.0 -SET FINAL BIT TO 1.	QD000173
23*	231732.00	232222.50 00		B,LERR4	QD000174
24*	231732.40	000000.22 04	L INITB	Z,0.0(LXPP) -CLEAR SLOT.	QD000175
25*	231733.00	777777.00 83		\$TI,1,-1.0(LIODX),1.0(LXPP) -STORE PP ID	QD000176
26*	231734.00	000000.47 84		CM1111(BU,1),TLPPEN(LXPP)	QD000177
27*	231735.00	000001.00 83		L(BU,24),1.0(LIODX) -LOOK FOR REJ END COMBO	QD000178
28*	231736.00	232126.34 C2		BRZ,LFINAL -(IF SO	QD000179
29*	231736.40	231700.00 80		K(BU,24),LIOD -IS THE FIRST CARD AN IOD	QD000180
30*	231737.40	231741.36 C2		BAE,LINBB -YES	QD000181
31*	231740.00	000010.37 02		LCI,\$15,8.0 -NO SEND ERROR FLAG	QD000182
32*	231740.40	232200.10 00		B,LERROR	QD000183
33*	231741.00	231545.62 80	L INBB	BB,LOVBIT,LINITC-.32 -IF NOT OVERLAP MODE	QD000184
34*	231742.00	000000.00 85		L(BU,64),0.0(LXIO),C.0 -IS IOREQ SLOT AVAILABLE.	QD000185
35*	231743.00	231744.74 C6		BRZZ,LINITC - YES---STEP DOWN.	QD000186
36*	231743.40	231757.50 00		B,LIOFUL - NO---TO SPECIAL ROUTINE.	QD000187
37*	231744.00	000000.22 05		Z,0.0(LXIO)	QD000188
38*	231744.40 *	000000.13 34	LINITC	SV,LXIO,0.0(LXPP) -PUT CRREF IN PPREF SLOT.	QD000189
39*	231745.00	231545.40 80		CM0000(BU,9),LIOSCR,0.0 -SET IODSQ COUNTER TO 1.	QD000190
40*	231746.00	231545.40 80		M+1(BU,9),LIOSCR	QD000191
41*	231747.00	231545.31 80		CM0000,LTAPEC -SET REEL COUNT TO ZERO	QD000192
42*	231750.00	231714.10 00		B,LFWA -BRANCH TO TEST FWA.	QD000193
43*					QD000194
44*					QD000195
45*				IOD CARD ROUTINE	QD000196
46*					QD000197
47*					QD000198
48*	231750.40	000000.64 84	L ICDRN	M+1,TIODCT(LXPP) -STEP IOD COUNTER	QD000199
49*	231751.40	000000.64 83		L,LIREF(LIODX),0.0 -COMPARE FOR LARGEST	QD000200
50*	231752.40	000000.50 84		K,TLREFN(LXPP) - PP REFERENCE NUMBER	QD000201
51*	231753.40	231756.36 46		BALZ,LIODA -THIS NO. IS LOW....STEP DOWN.	QD000202
52*	231754.00	000000.50 84		ST,TLREFN(LXPP) -HIGH.... REPLACE BY THIS NUMBER	QD000203
53*	231755.00	231545.62 80		BB,LOVBIT,LIOD1-0.32	QD000204
54*	231756.00	000000.00 85	L IODA	L(BU,64),0.0(LXIO),0.0 -IS IOREQ SLOT AVAILABLE.	QD000205
55*	231757.00	231761.34 C6		BRZZ,LIOD1 - YES---STEP DOWN.	QD000206
56*	231757.40	000002.37 02	L IOFUL	LCI,\$15,2.0 -NO -- ERROR FLAG 2.	QD000207

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	231760	
1*	231760.00 *	232222.50	00	B,LERR4			QD000208	
2*	231760.40	000000.22	05	Z,0.0(LXIO)			QD000209	
3*	231761.00	000002.00	83	060000.20 50	L IOD1	L(BU,48),2.0(LIODX),0.0	-IS TYPE TAPE.	QD000210
4*	231762.00	231677.00	80	060000.21 10		K(BU,48),LTAPE,0.0		QD000211
5*	231763.00	232026.36	C6	BAEZ,LIOCTP			- YES----TO TAPE SECTION.	QD000212
6*	231763.40	231545.52	80	001000.36 F0		CM1111(BU,1),LNTB,C.0	- NO----SET NCN-TAPE BIT TO 1.	QD000213
7*	231764.40	231534.24	10	LX,LWORKX,LXTYPE			-DECODE TYPE AND ENTER IN	QD000214
8*	231765.00	000002.00	83	060000.20 50	L TYPR	L(BU,48),2.0(LIODX)	-IO REQUEST SLOT	QD000215
9*	231766.00	000000.00	8A	060000.21 10		K(BU,48),.0(LWORKX)		QD000216
10*	231767.00	231771.36	C2	BAE,LCCOE			-TYPE FOUND	QD000217
11*	231767.40	231765.25	48	CB+,LWORKX,LTYPR			-NO TRY AGAIN	QD000218
12*	231770.00	000006.37	02	LCI,\$15,6.0			-NO TYPE MATCHED	QD000219
13*	231770.40	232200.10	00	B,LERROR			-WITH ERROR FLAG OF 6	QD000220
14*	231771.00	231533.22	10	LX,LXNT,LNTPUX	L CODE		-IS THIS CHANNEL IN THE	QD000221
15*	231771.40	000000.00	89	060000.20 50	L COPNT	L(BU,48),0.0(LXNT),0.0	- NON-TAPE TABLE.	QD000222
16*	231772.40	231777.74	C6	BRZZ,LICD2			- NO----STEP DOWN.	QD000223
17*	231773.00 *	000004.00	83	060000.21 10		K(BU,48),4.0(LIODX),0.0		QD000224
18*	231774.00	231777.36	C0	BZAE,LNONCH			-NO EQUAL	QD000225
19*	231774.40	000000.60	89	004000.06 70		LF(BU,4),.48(LXNT)	-EQUAL CHAN FOUND CHECK EQUIP TYPE	QD000226
20*	231775.40	000000.74	8A	004000.23 10		KF(BU,4),.60(LWORKX)		QD000227
21*	231776.40	232011.36	C2	BAE,LNCN			-IF EQUIP IS SAME AND CHAN SAME CNT.	QD000228
22*	231777.00	231771.63	48	CB+,LXNT,LOCPNT	L NCNCH		-TRY AGAIN	QD000229
23*	231777.40	000004.00	83	000000.02 A9	L IOD2	TI,1,4.0(LIODX),0.0(LXNT)	-PUT CHANNEL IN NON-TAPE TABLE.	QD000230
24*	232000.40	231545.31	80	007000.22 B0		M+1,LTAPEC	-STEP REEL COUNTER	QD000231
25*	232001.40	000000.74	8A	004000.20 50		L(BU,4),.60(LWORKX)	-GET TYPE	QD000232
26*	232002.40	000000.60	89	004000.12 F0		SF(BU,4),.48(LXNT)	-AND PLACE IN CHANNEL TABLE	QD000233
27*	232003.40	000000.03	85	004000.20 D0		ST(BU,4),TTYPE(LXIO)		QD000234
28*	232004.40	000000.34	84	010000.22 B0	L FOUND	M+1,TUNCT(LXPP)	-STEP UNIT COUNT	QD000235
29*	232005.40	231545.40	80	011000.20 50		L(BU,9),LIOSCR,0.0	-ENTER IODSQ IN IOREQ. SLOT.	QD000236
30*	232006.40 *	000000.23	85	011000.20 D0		ST(BU,9),TIODSQ(LXIO)		QD000237
31*	232007.40	231545.40	80	011000.22 B0		M+1(BU,9),LIOSCR	-STEP IODSQ.	QD000238
32*	232010.40	000001.13	07			V+ICR,LXIO,1.0	-STEP IOREQ. INDEX.	QD000239
33*								QD000240
34*								QD000241
35*								QD000242
36*								QD000243
37*	232011.00	000002.00	83	060000.06 70	L NON	LF(BU,48),2.0(LIODX)	-IS TYPE DISK OR TRACK.	QD000244
38*	232012.00	231667.00	80	060000.23 10		KF(BU,48),LDISK		QD000245
39*	232013.00	232015.36	C6			BAEZ,LNEW	- DISK----BRANCH.	QD000246
40*	232013.40	231670.00	80	060000.23 10		KF(BU,48),LTRACK		QD000247
41*	232014.40	232176.76	C4			BZAEZ,LNORM	- NON DISK OR TRACK	QD000248
42*	232015.00	000005.00	83	060000.20 50	L NEW	L(BU,48),5.0(LIODX)	-IS NUMBER FIELD BLANK	QD000249
43*	232016.00	231702.00	80	060600.23 10		KF,LBLANK		QD000250
44*	232017.00	232024.36	C6			BAEZ,LDSKD	-YES	QD000251
45*	232017.40	000023.24	30			LV,LWORKX,LIODX	-IS THE NUMBER FIELD ZERO	QD000252
46*	232020.00	000010.25	02			LCI,LWORKX,8		QD000253
47*	232020.40	231545.65	80	006000.06 70		LF(BU,6),LBLZCR+.2		QD000254
48*	232021.40	000005.00	8A	006600.23 10	LDSKD	KF(BU,6,6),5.(LWORKX)		QD000255
49*	232022.40 *	232176.76	C4			BZAEZ,LNORM	-A NON ZERO ENTRY	QD000256
50*	232023.00	231545.24	80			V+,LWORKX,LNO6	-STEP TO NEXT CHAR	QD000257
51*	232023.40	232021.64	48			CB,LWORKX,LDSKD		QD000258
52*	232024.00	000000.77	89	232176.74 00	L DSKD	BZB1,LZBIT(LXNT),LNCRM	-IF NO OTHER INF REQUESETD	QD000259

DISK - TRACK CHECK ROUTINE

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	232025
1*	232025.00	000007.37	02		LCI,\$15,7.0		QD000261
2*	232025.40	232200.10	00		B,LERROR		QD000262
3*				-			QD000263
4*				-			QD000264
5*				-	TAPE IOC ROUTINE		QD000265
6*				-			QD000266
7*	232026.00	231545.52	80	L ICDTP	CM0000(BU,1),LNTB,0.0		QD000267
8*	232027.00	231531.16	10		LX,LXSU,LSYMX		QD000268
9*	232027.40	000000.00	87	L GCPST	L(BU,48),0.0(LXSU),0.0		QD000269
10*	232030.40	232033.74	C6		BRZZ,LIOD3		QD000270
11*	232031.00	000005.00	83		K(BU,48),5.0(LIODX),0.0		QD000271
12*	232032.00	232073.76	C6		BAEZ,LSET		QD000272
13*	232032.40	232027.57	48	L ETA	CB+,LXSU,LOOPSU		QD000273
14*	232033.00	232033.04	00		BD,\$		QD000274
15*	232033.40	000005.00	83	L IOD3	TI,1,5.0(LIODX),0.0(LXSU)		QD000275
16*	232034.40	231545.31	80		L,LTAPEC		QD000276
17*	232035.40	* 000000.62	87		ST(BU,7),.50(LXSU)		QD000277
18*	232036.40	231545.31	80		M+1,LTAPEC		QD000278
19*	232037.40	231677.74	80		L(BU,4),LTAPE+.60,0.0		QD000279
20*	232040.40	000000.03	85		ST(BU,4),TTYPE(LXIO)		QD000280
21*	232041.40	231532.20	10		LX,LXSC,LSYMCX		QD000281
22*	232042.00	000000.00	88	L GCPSC	L(BU,48),0.0(LXSC),0.0		QD000282
23*	232043.00	232046.34	C6		BRZZ,LIOD4		QD000283
24*	232043.40	000004.00	83		K(BU,48),4.0(LIODX),0.0		QD000284
25*	232044.40	232047.36	C6		BAEZ,LCHAN		QD000285
26*	232045.00	232042.21	48		CB+,LXSC,LOOPSC		QD000286
27*	232045.40	232045.44	00		BD,\$		QD000287
28*	232046.00	000004.00	83	L IOD4	TI,1,4.0(LIODX),0.0(LXSC)		QD000288
29*	232047.00	231624.21	00	L CHAN	V-I,LXSC,LSYMC		QD000289
30*	232047.40	000011.21	30		SV,LXSC,\$R		QD000290
31*	232050.00	000000.71	87		ST(BU,7),0.57(LXSU),46		QD000291
32*	232051.00	* 000004.00	83		L(BU,48),4.0(LIODX)		QD000292
33*	232052.00	231702.00	80		K(BU,48),LBLANK		QD000293
34*	232053.00	232063.36	C4		BZAEZ,LENTER		QD000294
35*	232053.40	000000.13	85		CM0000(BU,7),TRLSYM(LXIO)		QD000295
36*	232054.40	000000.60	87		CM1111(BU,1),0.48(LXSU)		QD000296
37*	232055.40	231624.21	05		V+I,LXSC,LSYMC		QD000297
38*	232056.00	000000.00	88		CM0000(BU,64),0.0(LXSC)		QD000298
39*	232057.00	000000.00	87		LF(BU,48),0.0(LXSU)		QD000299
40*	232060.00	231702.00	80		KF(BU,48),LBLANK		QD000300
41*	232061.00	232004.76	C0		BZAE,LFCUND		QD000301
42*	232061.40	000000.00	87		CM0000(BU,48),0.0(LXSU)		QD000302
43*	232062.40	232004.50	00		B,LFOUND		QD000303
44*	232063.00	000001.21	05	L ENTER	V+I,LXSC,1.0		QD000304
45*	232063.40	000030.13	80		L(BU,7),LXSC+.11,0.0		QD000305
46*	232064.40	* 000000.13	85		ST(BU,7),TRLSYM(LXIO)		QD000306
47*	232065.40	000032.22	00		Z,LWORKX		QD000307
48*	232066.00	000032.16	80		ST(BU,7),LWORKX+.14,0.0		QD000308
49*	232067.00	231557.70	8A		M+1(BU,8),LRLCT-.8(LWORKX)		QD000309
50*	232070.00	231545.53	80		KF(BU,7),LCCUNT		QD000310

LINE	LOCATICN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	232071
1*	232071.00	232072.77	40		BZAH,LJOE -THEN RLSYM		QD000312
2*	232071.40	231545.53	80		ST(BU,7),LCOUNT		QD000313
3*	232072.40	231623.21	05	L JOE	V+I,LXSC,LSYMC-1. -RESTORE THE CHANNEL INDEX		QD000314
4*	232073.00	232004.50	00		B,LFCUND -BRANCH		QD000315
5*	232073.40	000004.00	83	LSET	LF(BU,48),4.0(LIODX) -IS THE CARD CHANNEL NULL		QD000316
6*	232074.40	231702.00	80		KF(BU,48),LBLANK		QD000317
7*	232075.40	232076.76	C0		BZAE,LSETA -IF NOT NULL CONTINUE LOOKING		QD000318
8*	232076.00	232176.74	C0		BZRZ,LNORM -YES A NULL CHANNEL		QD000319
9*	232076.40	231532.20	10	L SETA	LX,LXSC,LSYMCX -IS CHANNEL IN THE SYMBOLIC		QD000320
10*	232077.00	000000.71	87		L(BU,7),0.57(LXSU),46 -MOVE INDEX DIRECTLY TO THE		QD000321
11*	232100.00	000011.20	B0		V+,LXSC,\$R -ASSOCIATED CHAN SLOT		QD000322
12*	232100.40 *	000000.00	88		L(BU,48),0.0(LXSC),0.0 - CHANNEL TABLE.		QD000323
13*	232101.40	000004.00	83		K(BU,48),4.0(LIODX),0.0		QD000324
14*	232102.40	232176.76	C6		BAEZ,LNCRM - YES---NORMAL RETURN.		QD000325
15*	232103.00	232032.50	00		B,LETA		QD000326
16*							QD000327
17*							QD000328
18*					THE REEL CARD ROUTINE		QD000329
19*							QD000330
20*							QD000331
21*	232103.40	231545.52	80	L REELR	BZB,LNTB,LREEL1 -BRANCH IF NON-TAPE BIT 0.		QD000332
22*	232104.40	000005.37	02		LCI,\$15,5.0 -BIT ONE -- ERROR FLAG 5.		QD000333
23*	232105.00	232200.10	00		B,LERROR -BRANCH TO ERROR ROUTINE.		QD000334
24*	232105.40	000000.61	87	L REEL1	BB1,LRLBIT(LXSU),LNORM -BRANCH ON REEL BIT ONE		QD000335
25*							QD000336
26*	232106.40	000002.00	83		LF(BU,48),2.0(LIODX) -TEST FOR BLANK FREEL SYMBOLIC		QD000337
27*	232107.40	231702.00	80		K,LBLANK		QD000338
28*	232110.40	232176.76	C6		BAEZ,LNCRM -NORMAL RETURN IF BLANK.		QD000339
29*	232111.00	231545.62	80		BB,LQVBIT,LREEL2-0.32		QD000340
30*	232112.00	000000.00	86		L(BU,64),0.0(LXFR),0.0 -IS FREEL SLOT AVAILABLE.		QD000341
31*	232113.00	232115.34	C6		BRZZ,LREEL2 - YES---STEP DOWN.		QD000342
32*	232113.40	000003.37	02		LCI,\$15,3.0 -NO ERROR FLAG SI 3.		QD000343
33*	232114.00 *	232222.50	00		B,LERR4		QD000344
34*	232114.40	000000.22	06		Z,0.0(LXFR)		QD000345
35*	232115.00	000002.00	83	L REEL2	TI,1,2.0(LIODX),0.0(LXFR) -STORE FREEL SYMBOL IN SLC.		QD000346
36*	232116.00	000000.24	34		LV,LWORKX,0.0(LXPP) -FOR COMPUTING THE CORRECT		QD000347
37*	232116.40	000000.62	87		L(BU,7),.50(LXSU),46 -I/O REQUEST TABLE ADDRESS		QD000348
38*	232117.40	232123.34	C2		BRZ,LRE3 -FOR FREEL ADDRESS INSERTION		QD000349
39*	232120.00	000011.24	50		LC,LWORKX,\$R		QD000350
40*	232120.40	000001.25	05	L RE1	V+I,LWORKX,1.0		QD000351
41*	232121.00	000000.22	8A		BZB,TLAST(LWORKX),LRE2 -CHECK FOR LAST +1 ENTRY PT WITHIN TBL		QD000352
42*	232122.00	232307.25	01		LVI,LWORKX,TIOREQ		QD000353
43*	232122.40	232120.64	48	L RE2	CB,LWORKX,LRE1		QD000354
44*	232123.00	000026.00	80	L RE3	L(BU,18),LXFR - STORE THE FREEL ADDRESS		QD000355
45*	232124.00	000000.34	8A		ST(BU,18),TFREEL(LWORKX) - IN IOREQ SLOT		QD000356
46*	232125.00	000001.15	07		V+ICR,LXFR,1.0 -STEP FREEL INDEX.		QD000357
47*	232125.40	232176.50	00		B,LNORM -NORMAL RETURN.		QD000358

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QD000360
2*				FINAL ROUTINE	QD000361
3*					QD000362
4*					QD000363
5*	232126.00	777777.00 33	L FINAL	\$TI,1,-1.0(LIODX),1.0(LXPP) -STORE PP ID	QD000364
6*	232127.00 *	231545.51 80		BZB1,LFINB,LFIN2-1. -IS FINAL BIT 1.	QD000365
7*				IF 1, GO ON....IF 0, MAKE IT 1 AND BRANCH.	QD000366
8*	232130.00	000000.13 34		SV,LXIO,0.0(LXPP) -STORE CRREF.	QD000367
9*	232130.40	000000.32 8F		232200.34 02 BB,C.26(\$15),LERROR -BRANCH ON REJECT END COMBO.	QD000368
10*	232131.40	232170.10 C0		B,LFIN3 -BRANCH TO STEP PPREF TABLE.	QD000369
11*	232132.00	000000.32 8F		232200.34 02 BB,C.26(\$15),LERROR -BRANCH ON REJECT END COMBO.	QD000370
12*	232133.00	000000.64 84	L FIN2	L,TIODCT(LXPP) -IS LARGEST PP REFERENCE NO.	QD000371
13*	232134.00	000000.50 84		K,TLREFN(LXPP) - LARGER THAN THE IODCT	QD000372
14*	232135.00	232136.76 46		BALZ,LFINI - YES....STEP DOWN.	QD000373
15*	232135.40	000000.50 84		232135.40 00 ST,TLREFN(LXPP) - NO.... REPLACE BY IODCT	QD000374
16*					QD000375
17*				SORT IOREQ TABLE ENTRIES FOR THIS PROBLEM	QD000376
18*				PROGRAM BY UNIT-PER-CHANNEL SIZE.	QD000377
19*					QD000378
20*	232136.40	231551.23 10	L FINI	SX,LXNT,LPUT -ENTER SORT---SAVE LXNT INDEX.	QD000379
21*	232137.00	000032.22 00		Z,LWORKX -ZERO 2 INDICES.	QD000380
22*	232137.40	000023.22 C0		Z,LIODX	QD000381
23*	232140.00	000000.24 34		LV,LWORKX,0.0(LXPP) -PUT CRREF IN XA VF.	QD000382
24*	232140.40	231545.53 80		007027.20 50 L(BU,7),LCOUNT,46 -LCAD RLSYM NO. COUNT.	QD000383
25*	232141.40	232167.74 C6		BRZZ,LSKIP -NO RLSYMS---SKIP SORT.	QD000384
26*	232142.00	000011.24 50		LC,LWORKX,\$R -PUT COUNT INTO XA CF.	QD000385
27*	232142.40	231546.25 50		SC,LWORKX,LSAVE	QD000386
28*	232143.00 *	231546.06 50	L SEARA	LC,LIODX,LSAVE -OUTER LOOP---LOAD XB CF.	QD000387
29*	232143.40	231560.07 01		LVI,LIODX,LRLCT -INITIALIZE XB AND XC VF.	QD000388
30*	232144.00	231560.23 C1		LVI,LXNT,LRLCT	QD000389
31*	232144.40	000000.10 83		110027.20 50 L(V+I)(BU,8),0.8(LIODX),46 -ENTER FIRST RLCT.	QD000390
32*	232145.40	000000.10 83	L SEARB	110027.23 10 KF(V+I)(BU,8),0.8(LIODX),46 -INNER LOOP---COMPARE.	QD000391
33*	232146.40	232150.76 44		BZALZ,LSEARC -ACC. NOT LOW---STEP DOWN.	QD000392
34*	232147.00	777777.70 83		010027.20 50 \$L(BU,8),-0.8(LIODX),46 -ACC LOW-- SWITCH RLCT	QD000393
35*	232150.00	232147.23 B0		LVE,LXNT,\$-1. -PUT PROPER ADDRESS IN XC VF.	QD000394
36*	232150.40	232145.46 48	L SEARC	CB,LIODX,LSEARB -LOOP BACK ON NON ZERO CF.	QD000395
37*	232151.00	000011.06 50		LC,LIODX,\$R -LCAD XB CF.	QD000396
38*	232151.40	000000.00 89		010000.00 F0 CM0000(BU,8),0.0(LXNT),0.0 -ZERO PROPER RLCT SLOT.	QD000397
39*	232152.40	231560.23 0D		V-I,LXNT,LRLCT -READY XC FOR RLSYM SEARCH.	QD000398
40*	232153.00	000032.06 30		LV,LIODX,LWORKX -LOAD XB VF.	QD000399
41*	232153.40	231554.00 89		010000.20 50 L(BU,8),LCT(LXNT),0.0 -LCAD HIGH RLSYM.	QD000400
42*	232154.40	000000.22 83	L SEARD	232157.74 00 BZB,TLAST(LIODX),LSEARF -IS THIS END OF TABLE	QD000401
43*	232155.40	232307.07 01		LVI,LIODX,TIOREQ - YES ... INITIALIZE	QD000402
44*	232156.00	000000.62 5F		LC,LXNT,.32(\$15) -CHECK MODE	QD000403
45*	232156.40 *	232157.70 42		BXCZ,LSEARF -OVERLAP MODE	QD000404
46*	232157.00	021111.07 01		LVI,LIODX,TUIORQ -IF NOT OVERLAP MODE	QD000405
47*	232157.40	000000.13 83	L SEARF	007000.23 10 KF(BU,7),.11(LIODX) - NO....INNER SEARCH LOOP.	QD000406
48*	232160.40	232162.36 C6		BAEZ,LSEARE -FOUND---STEP DOWN.	QD000407
49*	232161.00	000001.07 05		V+I,LIODX,1.0 -NOT FOUND---STEP XB VF.	QD000408
50*	232161.40	232154.50 00		B,LSEARD -GO BACK AND TRY AGAIN.	QD000409
51*	232162.00	000000.00 8A	L SEARE	000000.02 E3 SWAPI,1,0.0(LWORKX),0.0(LIODX) -SWAP IOREQ SLOTS.	QD000410
52*	232163.00	000001.25 05		V+I,LWORKX,1.0 -STEP XA VF.	QD000411
53*	232163.40	000000.22 8A		232166.74 00 BZB,TLAST(LWORKX),LSEARG -IS THIS END OF IOREQ TABLE	QD000412
54*	232164.40	232307.25 01		LVI,LWORKX,TIOREQ -YES...INITIALIZE	QD000413
55*	232165.00	000000.62 5F		LC,LXNT,.32(\$15) -CHECK MODE	QD000414
56*	232165.40	232166.70 42		BXCZ,LSEARG -IF OVERLAP	QD000415

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	232166
1*	232166.00	021111.25	01		LVI,LWCRKX,TUIORG		QD000416
2*	232166.40	232154.47	48	L SEARG	CB+,LIODX,LSEARD	-IF NOT OVERLAP MOAD	QD000417
3*	232167.00	232143.24	48		CB,LWORKX,LSEARA	- LOOP BACK ON NON-ZERO CF.	QD000418
4*	232167.40	231551.22	10	L SKIP	LX,LXNT,LPUT	-END OF SWAP AND SORT.	QD000419
5*	232170.00	00000.46	84	LFIN3	CMOC00(BU,2),TASGNP(LXPP)	-RESTORE LXNT INDEX.	QD000420
6*	232171.00	231545.62	80		BB,L OVBIT,Z LDCD1	-RESET BOTH ASSIGN AND LAST PP BITS	QD000421
7*	232172.00	231553.11	10		SX,LXPP,LASTPP	-SAVE ADR. OF LAST PP ENTERED	QD000422
8*	232172.40	00002.11	07	Z LDCD1	V+ICR,LXPP,2.0	-STEP PP REF INDEX	QD000423
9*	232173.00	00000.47	84		CM1111(BU,1),TLPPEN(LXPP)	-TURN ON LPPEN BIT	QD000424
10*	232174.00	231545.62	80		BZBZ,LOVBIT,LNORM	-IF OVERLAP MODE	QD000425
11*	232175.00	231664.00	80		SWAPI,3,LNOSAV,LXPP	-RESET INDEXES TO OVERLAP MODE	QD000426
12*	232176.00	232176.50	00		B,LNORM	-NORMAL RETURN.	QD000427
13*							QD000428
14*							QD000429
15*							QD000430
16*	232176.40	231535.00	80	L NORM	SWAPI,8,LTY,LIODX	-SWAP 8 INDICES.	QD000431
17*	232177.40	00002.10	CF		B,2.0(\$15)	-DISPATCHER NORMAL RETURN.	QD000432
18*							QD000433
19*							QD000434
20*							QD000435
21*	232200.00	231545.51	80	L ERROR	CM1111(BU,1),LFINB,0.0	-SET FINAL BIT TO 1.	QD000436
22*	232201.00	231546.23	10		SX,LXNT,LSAVE	-SAVE INDEX.	QD000437
23*	232201.40	00000.24	14		LX,LWORKX,0.0(LXPP)	-SET IOREQ AND FREEL SLOTS FOR H	QD000438
24*	232202.00	232212.31	46		BXVZZ,LERR2	- THIS PROGRAM TO ZERO.	QD000439
25*	232202.40	00000.34	84		L,TUNCT(LXPP),46		QD000440
26*	232203.40	232212.34	06		BRZZ,LERR2		QD000441
27*	232204.00	000011.24	50		LC,LWORKX,\$R		QD000442
28*	232204.40	00000.22	1A	L ERRA	LX,LXNT,0.0(LWORKX)		QD000443
29*	232205.00	00000.22	8A		BZB,TLAST(LWORKX),LERR3	-END OF IOREQ TABLE	QD000444
30*	232206.00	232307.25	01		LVI,LWORKX,TICREG		QD000445
31*	232206.40	232210.30	46	L ERR3	BXCZZ,LERR1		QD000446
32*	232207.00	000031.23	50		SC,LXNT,LXNT		QD000447
33*	232207.40	00000.22	09		Z,0.0(LXNT)	-ZERO FREEL SLOT.	QD000448
34*	232210.00	00000.22	0A	L ERR1	Z,0.0(LWORKX)	-ZERO IOREQ SLOT.	QD000449
35*	232210.40	232204.65	48		CB+,LWCRKX,LERRA	-BACK ON NON-ZERO COUNT.	QD000450
36*	232211.00	231547.12	10		LX,LXIO,LSAVEY	-RESET THE IOREQ INDEX	QD000451
37*	232211.40	231550.14	10		LX,LXFR,LSAVEZ	-RELOAD THE FREEL TABLE INDEX	QD000452
38*	232212.00	00000.22	04	L ERR2	Z,0.0(LXPP)	-ZERO PPREF SLOT.	QD000453
39*	232212.40	00000.45	84		CM1111(BU,1),TRJECT(LXPP)	-SET THE REJECT BIT	QD000454
40*	232213.40	00000.47	84		CMOC00,TLPPEN(LXPP)	-RESET THIS LPPEN BIT	QD000455
41*	232214.40	000011.37	50		SC,15,\$R	-ERROR FLAG TO ACC	QD000456
42*	232215.00	231545.62	80		BB,L OVBIT,Z LDCD2		QD000457
43*	232216.00	231553.11	10		SX,LXPP,LASTPP	-SAVE ADR. OF LAST PP ENTERED	QD000458
44*	232216.40	000002.11	07	Z LDCD2	V+ICR,LXPP,2.0	-STEP PP REF INDEX	QD000459
45*	232217.00	00000.47	84		CM1111,TLPPEN(LXPP)	-SET THE NEXT LPPEN BIT	QD000460
46*	232220.00	231546.22	10		LX,LXNT,LSAVE	-RESTORE INDEX.	QD000461
47*	232220.40	231545.62	80		BZBZ,LOVBIT,LERR4	-IF OVERLAP MODE	QD000462
48*	232221.40	231664.00	80		SWAPI,3,LNOSAV,LXPP	-RESET INDEXES TO OVERLAP MODE	QD000463
49*	232222.40	231535.00	80	L ERR4	SWAPI,8,LTY,LIODX	-SWAP 8 INDEXES	QD000464
50*	232223.40	000001.37	5F		SC,\$15,1.0(\$15)	-SAVE THE ERROR FLAG	QD000465
51*	232224.00	000001.50	0F		B,1.32(\$15)	-DISPATCHER ERROR RETURN.	QD000466

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	232224
1*	232224.40 *		SLC,\$			QE000001
2*			PRNC			QE000002
3*			-			QE000003
4*			-			QE000004
5*			-	I/O ASSIGNMENT --- ASSIGN ---		QE000005
6*			-			QE000006
7*			-			QE000007
8*			-			QE000008
9*			-	THE ASSIGN PROGRAM LINKAGE FORMAT		QE000009
10*			-			QE000010
11*			-			QE000011
12*			-		LVI,\$15,Y	QE000012
13*			-		B,TASIGN	QE000013
14*			-	Y	XW,A,B,D,C	QE000014
15*			-		BEW,\$ RETURN LOCATION	QE000015
16*			-			QE000016
17*			-		LET A = STATUS OF MACHINE	QE000017
18*			-		ZERO = NO MACHINE CONF. CHANGE	QE000018
19*			-		NOT ZERO = MACHINE CONF. CHANGE	QE000019
20*			-		LET B = EXIT DISPOSITION	QE000020
21*			-		LET D = TYPE OF ENTRY	QE000021
22*			-		ZERO = NORMAL ENTRY	QE000022
23*			-		NOT ZERO = SPECIAL ENTRY (NO STA-	QE000023
24*			-		TUS REPORT UPON EXIT)	QE000024
25*			-		LET C = MODE	QE000025
26*			-		ZERO = OVERLAP MODE	QE000026
27*			-		NOT ZERO = NOT OVERLAP MODE	QE000027

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	
1*			-		QE000029	
2*			-		QE000030	
3*			-	SYN CARDS FOR THE LENGTHS OF THE THREE TABLES	QE000031	
4*			-		QE000032	
5*			-		QE000033	
6*	000000.CC+	+00000025	NULL	TPPC SYN,21	-THE NUMBER OF JOBS ON THE SCAN AND READ TAPE PLUS 1	QE000034
7*	000000.00+	+00000120	NULL	TICC SYN,80		QE000035
8*	000000.00+	+00000062	NULL	T FRC SYN,50	-THE FIRST REEL TABLE LENGHT	QE000036
9*			-		QE000037	
10*	000000.00+	+00000002	NULL	T UPPC SYN,2	-NOT OVERLAP PP REF TABLE LENGTH	QE000038
11*	000000.00+	+00000024	NULL	T UIOC SYN,20	-NOT OVERLAP I/O REQ TABLE LENGTH	QE000039
12*	000000.CC+	+00000024	NULL	T UFRC SYN,20	-NOT OVERLAPFIRST REEL TABLE LENGHT	QE000040
13*			-		QE000041	
14*			-	--NOTE-- THE TPPC COUNT MUST BE HALF OF THE ACTUAL TABLE LENGTH	QE000042	
15*			-	WHICH IS THE ACTUAL NUMBER OF JOBS THE TABLE CAN ACCOMODATE.	QE000043	
16*			-		QE000044	

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LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			PRNS		QE000046
2*			-		QE000047
3*			-		QE000048
4*			-	CONSTANTS TO BE USED THRU OUT ASSIGN PROGRAM	QE000049
5*			-		QE000050
6*			-		QE000051
7*	232224.40	000000.00+	T NEXT	VF, -THE ADDR OF THE NEXT PP TO BE RUN	QE000052
8*	232225.00	000000.00+	T IPL	VF,C.0 -CHAN ADDRESSES FOR IPL	QE000053
9*			-		QE000054
10*			-	THE FORMAT OF THE TEMP CHAN WORD	QE000055
11*			-		QE000056
12*	021102.00+	+00000000	BU,22 ,10	T CTACH SYN(BU,18),TCTEMP+0.0 -ABSOLUTE CHANNEL NUMBER	QE000057
13*	021102.31+	+00000000	BU,07 ,10	T CTSCH SYN(BU,7),TCTEMP+0.25 -SYMBOLIC CHANNEL NUMBER	QE000058
14*			-		QE000059
15*	232226.00	232234.00+ 000 000025	232231	TSAV XW,TPREFT,TPPC,TPPREF	QE000060
16*	232227.00		000000	T LUCT DD(BU,18),0 -LARGEST UNIT COUNT ON ONE CHANNEL	QE000061
17*	232227.22		000	T LCHCT DD(BU,7),0 -TAPE CHAN COUNT FOR ENTIRE SYST CONF.	QE000062
18*	232227.31		1	T CNE DD(BU,1),1 -CONSTANT OF ONE	QE000063
19*	232227.32		0	T MODE DD(BU,1),0 -SINGLE OR FULL NOT-OVERLAP MODE	QE000064
20*	232227.33		0	T INDA DD(BU,1),0 -SAME CHANNEL ALLOWED INDICATOR	QE000065
21*	232227.34		0	T INDB DD(BU,1),0 -THE SPLIT CHANNEL INDICATOR	QE000066
22*	232227.35		0	T INDC DD(BU,1),0 -UNIT FOUND -- MULTI-UNIT CHECK	QE000067
23*	232227.36		0	T INDD DD(BU,1),0 -BYPASS OPTIMISED REEL MTINGS	QE000068
24*	232227.37		0	T INDE DD(BU,1),0 -THE ADVANCE AND SAVE INDEX IND	QE000069
25*	232227.40		0	T INDZ DD(BU,1),0 -MORE MULTI-UNITS AVAILABLE	QE000070
26*	232227.41		0	T INDX DD(BU,1),0 -FOR THE ODD-BALL SITUATION	QE000071
27*	232227.42		0	T LOOP DD(BU,1),0 -TO PREVENT A LOOP IN SECTION ELEVEN	QE000072
28*	232227.43		0	T LOOP1 DD(BU,1),0 -LOOP PREVENTER NUMBER 2	QE000073
29*	000032.00+	+00000000	BU,100,10	T CTWDX SYN,TX1 -ENTRY CONTROL WORD INDEX	QE000074
30*	000032.00+	+00000000	BU,100,10	T X1 SYN,\$10 -TEMPORARY INDEX	QE000075
31*	000031.00+	+00000000	BU,100,10	T X2 SYN,\$9 -THE SCAN CONTROL INDEX	QE000076
32*	000021.00+	+00000000	BU,100,10	T X1BR SYN,\$1 -FOR SUB-ROUTINE BRANCHING	QE000077
33*	000022.00+	+00000000	BU,100,10	T X3 SYN,\$2 -COUNTER	QE000078
34*	000024.00+	+00000000	BU,100,10	T IXA SYN,\$4 -I/O REQ. LOCATOR INDEX	QE000079
35*	000025.00+	+00000000	BU,100,10	T IXB SYN,\$5 -MULTI-UNIT STAT TBLE SCAN INDEX	QE000080
36*	000023.00+	+00000000	BU,100,10	T IXE SYN,\$3 -PP REF. WORD LOCATOR INDEX	QE000081
37*	000032.00+	+00000000	BU,100,10	T IXF SYN,TX1 -MACH CONF CHANGE-- CHAN. SCAN IX	QE000082
38*	000030.00+	+00000000	BU,100,10	T IXG SYN,\$8 -MACH CONF CHANGE -- UNIT SCAN	QE000083
39*	000022.00+	+00000000	BU,100,10	T IXH SYN,TX3 -MACH CONF CHANGE -- PP REF TBL SCAN	QE000084
40*	000025.00+	+00000000	BU,100,10	T IXI SYN,TIXB -MACH CONF CHANGE -- I/O TBLE SCAN IX	QE000085
41*	000026.00+	+00000000	BU,100,10	T IXJ SYN,\$6 -UNIT TBLE ADDR. AND UNIT COUNT	QE000086
42*	000027.00+	+00000000	BU,100,10	T IXD SYN,\$7 -CHANNEL ADDRESS	QE000087
43*	000032.00+	+00000000	BU,100,10	T IXK SYN,TX1 -LIKE CHANNEL SEARCH INDEX	QE000088
44*	000033.00+	+00000000	BU,100,10	T IXL SYN,\$11 -I/O TABLE SCAN INDEX	QE000089
45*	000030.00+	+00000000	BU,100,10	T IXM SYN,TIXG -NOT OVERLAP SCANNER INDEX	QE000090

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION		
1*					QE000092		
2*				SYN CARDS FOR THE PP REFERENCE TABLE	QE000093		
3*					QE000094		
4*					QE000095		
5*	232230.00	C21106.00+ 000 000002 232230	T PPURF	XW,TPURFT,TUPPC,\$	-CONSTANT IX FOR THE NOT OVERLAP TBL	QE000096	
6*	232231.00	232234.00+ 000 000025 232231	T PPREF	XW,TPREFT,TPPC,\$	-CONSTANT IX FOR THE PP REF TBL	QE000097	
7*	232232.00	232234.00+ 000 000025 232231	T PPRUN	XW,TPREFT,TPPC,TPPREF	-THE NEXT JOB TO BE RUN POINTER	QE000098	
8*	232233.00	000000.00+ 000 000000 000000		XW	-A BLANK WORD MUST PRECEED THE PP REF	QE000099	
9*	232234.00	232307.00+ 000 001100 000000	T PREFT	XW,TIOREQ,0,(.39)9	-INITIAL ENTRY WITHIN THE PP REF TBL	QE000100	
10*	232235.00 *	000025.00		DRZ(BU,64),(TPPC)	-THE PP REFERENCE TABLE	QE000101	
11*	232262.00	000025.00		DRZ(BU,64),(TPPC)	-THE PP REFERENCE TABLE SECCND HALF	QE000102	
12*	000000.00+	+00000000	BU,22 ,10	T CRREF	SYN(BU,18),0.0	-THE CROSS REFERENCE ADDRESS	QE000103
13*	000000.34+	+00000000	BU,10 ,10	T UNCT	SYN(BU,08),0.28	-I/O REQUEST COUNT	QE000104
14*	000000.44+	+00000000	BU,01 ,10	T JBPRO	SYN(BU,1),0.36	-JOB PROCESSED BIT	QE000105
15*	000000.45+	+00000000	BU,01 ,10	T RJECT	SYN(BU,1),0.37	-JOB REJECTED BIT	QE000106
16*	000000.46+	+00000000	BU,01 ,10	T ASGNP	SYN(BU,1),0.38	-JOB ASSIGNED BIT	QE000107
17*	000000.47+	+00000000	BU,01 ,10	T LPPEN	SYN(BU,1),0.39	-LAST ENTRY BIT	QE000108
18*	000000.50+	+00000000	BU,14 ,10	T LREFN	SYN(BU,12),0.40	-IF GO TYPE PP - THE LARGEST REF NO.	QE000109
19*	000000.64+	+00000000	BU,14 ,10	T IODCT	SYN(BU,12),0.52	-THE NUMBER OF IODS PER PP	QE000110
20*	000001.00+	+00000000	BU,60 ,06	T PNAME	SYN(BU,48,6),1.0	-NAME OF PP 8 BCD-6 CHAR	QE000111
21*						QE000112	
22*					SYN CARDS FOR THE I/O REQUEST TABLE	QE000113	
23*						QE000114	
24*						QE000115	
25*				CNOP		QE000116	
26*	232307.00	000120.00	T IOREQ	DRZ(BU,64),(TIOC)	-I/O REQUEST TABLE	QE000117	
27*	232427.00	000000.40+		VF,0.32	-DO NOT REMOVE - MARKS LAST WORD	QE000118	
28*	000000.00+	+00000000	BU,01 ,10	T ASGNI	SYN(BU,1),0.00	-I/O ASSIGNED INDICATOR	QE000119
29*	000000.01+	+00000000	BU,01 ,10	T UNOBT	SYN(BU,1),0.01	-NOT OVERLAP BIT	QE000120
30*	000000.02+	+00000000	BU,01 ,10	T PRINT	SYN(BU,1),0.02	-I/O REQ PRINTED TO OPERATOR BIT	QE000121
31*	000000.03+	+00000000	BU,04 ,10	T TYPE	SYN(BU,4),0.03	-TYPE OF REQUEST	QE000122
32*	000000.07+	+00000000	BU,03 ,10	T ABSUN	SYN(BU,3),0.07	-UNIT NUMBER	QE000123
33*	000000.13+	+00000000	BU,07 ,10	T RLSYM	SYN(BU,7),0.11	-THE SYMBOLIC CHANNEL NUMBER	QE000124
34*	000000.22+	+00000000	BU,01 ,10	T LAST	SYN(BU,1),0.18	-LAST WORD OF THE I/O REQ TABLE	QE000125
35*	000000.23+	+00000000	BU,11 ,10	T ICDSQ	SYN(BU,9),0.19	-IOD SEQUENCE NUMBER AS RECEIVED	QE000126
36*	000000.34+	+00000000	BU,22 ,10	T FREEL	SYN(BU,18),0.28	-THE FIRST REEL ADDRESS	QE000127
37*	000000.56+	+00000000	BU,22 ,10	T ABSCH	SYN(BU,18),0.46	-THE ABSOLUTE CHANNEL ADDRESS	QE000128
38*						QE000129	
39*						QE000130	
40*					SYN CARDS FOR THE FIRST REEL NUMBER TABLE	QE000131	
41*						QE000132	
42*						QE000133	
43*	232427.40	000000.30 00		CNOP		QE000134	
44*	232430.00 *	000062.00	T FSTRE	DRZ(BU,64),(TFRC)	-THE FIRST REEL TABLE	QE000135	
45*	000000.00+	+00000000	BU,60 ,10	T REELN	SYN(BU,48),0.00	-A REEL NUMBER FOR A GIVEN UNIT	QE000136

LINE	LOCATIONN	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QE000138
2*				SYN CARDS FOR THE CHANNEL/UNIT STATUS TABLE	QE000139
3*					QE000140
4*					QE000141
5*	215002.CC+	+00000000	BU,100,10	T CHSXW SYN,SXCFAN	-INDEX WCRD FOR CHAN STAT TBL QE000142
6*	000000.00+	+00000000	BU,22 ,10	T UNTBA SYN(BU,18),0.0	-THE UNIT TABLE ADDRESS QE000143
7*	000000.33+	+00000000	BU,01 ,10	T MULTI SYN(BU,1),0.27	-THE MULTI -CHANNEL BIT QE000144
8*	000000.31+	+00000000	BU,01 ,10	T CHAVL SYN(BU,1),0.25	-THE CHANNEL AVAILABLE BIT QE000145
9*	000000.33+	+00000000	BU,01 ,10	T FDISP SYN(BU,1),0.27	-THE KIND OF REEL MOUNTED ON UNIT QE000146
10*	000000.34+	+00000000	BU,01 ,10	T UNAVL SYN(BU,1),0.28	-THE UNIT AVAILABLE BIT QE000147
11*	000000.35+	+00000000	BU,01 ,10	T UNASG SYN(BU,1),0.29	-THE UNIT ASSIGNED BIT QE000148
12*	000000.40+	+00000000	BU,01 ,10	T CHOWN SYN(BU,1),0.32	-THE OWNERSHIP LEVEL INDICATOR QE000149
13*	000000.47+	+00000000	BU,01 ,10	T SEL SYN(BU,1),0.39	-THE MULTI UNIT SELECT BIT QE000150
14*	000000.50+	+00000000	BU,01 ,10	T VER SYN(BU,1),0.40	-THE VERIFY BIT QE000151
15*	000000.64+	+00000000	BU,04 ,10	T EQUIP SYN(BU,4),0.52	-TYPE OF UNIT REQUESTED QE000152
16*	000000.73+	+00000000	BU,04 ,10	T UNITK SYN(BU,4),0.59	-NUMBER OF UNITS TO A GIVEN CHANNEL QE000153
17*	000000.76+	+00000000	BU,01 ,10	T UNRES SYN(BU,1),0.62	-NOT OVERLAP RESERVED BIT QE000154
18*	000000.77+	+00000000	BU,01 ,10	T CVRES SYN(BU,1),0.63	-THE OVERLAP RESERVED BIT QE000155
19*					QE000156
20*					QE000157
21*					QE000158
22*				SYN CARDS FOR THE VALID CHECK TABLE	QE000159
23*					QE000160
24*					QE000161
25*	232512.CC	000000.00+		T VALVF VF,0.0	-TO PREVENT A DOUBLE VALIDITY CHECK QE000162
26*	000000.10+	+00000000	NULL	T TYBC SYN,0.8	-THE TYPE CODE BIT COUNT QE000163
27*	000000.10+	+00000000	NULL	T MACBC SYN,0.8	-THE MACHINE CONF COUNT BIT COUNT QE000164
28*	000000.10+	+00000000	NULL	T REQBC SYN,0.8	-THE REQUEST COUNT BIT COUNT QE000165
29*	000000.00+	+00000000	BU,10 ,10	T TYAD SYN (BU,8),0.0	-ADDRESS OF THE TYPE CODE QE000166
30*	000000.10+	+00000000	BU,10 ,10	T MCAD SYN(BU,8),TTYAD+0.8	-MACHINE CONF COUNT ADDRESS QE000167
31*	000000.20+	+00000000	BU,10 ,10	T RCAD SYN(BU,8),TMCAD+0.8	-THE REQUEST COUNT ADDRESS QE000168

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QE000170
2*				REQUEST VALIDITY CHECK TABLE	QE000171
3*					QE000172
4*					QE000173
5*	232512.40	000000.30 00		CNOP	QE000174
6*	232513.00		001	T DISK (8)CD(BU,8),1,1,0	QE000175
7*	232513.10		001		QE000175
8*	232513.20		000		QE000175
9*	232513.30		002	(8)CD(BU,8),2,0,0	QE000176
10*	232513.40		000		QE000176
11*	232513.50		000		QE000176
12*	232513.60		003	(8)CD(BU,8),3,0,0	QE000177
13*	232513.70		000		QE000177
14*	232514.00		000		QE000177
15*	232514.10		004	(8)DD(BU,8),4,0,0	QE000178
16*	232514.20		000		QE000178
17*	232514.30		000		QE000178
18*	232514.40		005	(8)CD(BU,8),5,0,0	QE000179
19*	232514.50		000		QE000179
20*	232514.60		000		QE000179
21*	232514.70		006	(8)CD(BU,8),6,0,0	QE000180
22*	232515.00		000		QE000180
23*	232515.10		000		QE000180
24*	232515.20		007	(8)CD(BU,8),7,0,0	QE000181
25*	232515.30		000		QE000181
26*	232515.40		000		QE000181
27*	232515.50		010	(8)DD(BU,8),10,0,0	QE000182
28*	232515.60		000		QE000182
29*	232515.70		000		QE000182
30*					QE000183
31*					QE000184
32*				THE MULTI-UNIT COUNT TABLE -- SORTED	QE000185
33*					QE000186
34*					QE000187
35*	232516.00	232522.00+ 000 000000 000000	T MUCTX	XW,TCHCUC,0,0	QE000188
36*	232517.00	232520.00+ 000 000002 000000	T YSCAN	XW,TFCFSC,2,0	QE000189
37*	232520.00	232522.00+ 000 000000 000000	T FCHSC	XW,TCHCUC,0,0	QE000190
38*	232521.00	232562.00- 000 000000 000000	T RCHSC	XW,-TCHCUC-32.0,0,0	QE000191
39*	232522.00 *	000020.00	T CHCUC	DRZ(BU,32),(32)	QE000192

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		QE000194
2*			-		QE000195
3*			-	SYN CARDS FOR THE MULTI-UNIT COUNT TABLE	QE000196
4*			-		QE000197
5*			-		QE000198
6*	000000.CC+	+00000000	BU,22,10	T CHADD SYN(BU,18),C.C	-MULTI-UNIT CHAN ADDRESS QE000199
7*	000000.24+	+00000000	BU,04,10	T CHCNT SYN(BU,4),0.20	-NUMBER OF UNITS ON CHANNEL QE000200
8*	232542.00			ABSSID (A*)DD(BU,48,6),BSS *	QF000001
9*	232543.00 *	000001.00		ALL DRZ(N),1	QF000002
10*	232543.01+	+00000000	N,100,04	ATCRDI SYN,ALL.1	-T CARD INDICATOR QF000003
11*	232543.02+	+00000000	N,100,04	ASTCRD SYN,ALL.2	-SUPER T CARD INDICATOR QF000004
12*	232543.04+	+00000000	N,100,04	AHFWDI SYN,ALL.4	-PARTIAL WORD INDICATOR QF000005
13*	232543.05+	+00000000	N,100,04	ADIGNI SYN,ALL.5	-IGNORE CORRECTIONS ON CARD QF000006
14*	232543.06+	+00000000	N,100,04	APCRDI SYN,ALL.6	-P CARD INDICATOR QF000007
15*	232543.07+	+00000000	N,100,04	ASETZI SYN,ALL.7	-ZEROING INDICATOR QF000008
16*	232543.10+	+00000000	N,100,04	ACCRDI SYN,ALL.8	QF000009
17*	232543.11+	+00000000	N,100,04	AFPCI SYN,ALL.9	-FORTRAN PROGRAM CARD INDICATOR QF000010
18*	232543.12+	+00000000	N,100,04	ARBCDI SYN,ALL.10	-BINARY DATA CARD INDICATOR QF000011
19*	232543.13+	+00000000	N,100,04	ARBCRI SYN,ALL.11	-RELOCATE RIGHTMOST 18 BITS AS COMMON QF000012
20*	232543.17+	+00000000	N,100,04	ANUBIT SYN,ALL.15	QF000013
21*	232544.00	000000.01+		APT1 VF,.1	QF000014
22*	232544.40	000000.03+		APT3 VF,.3	QF000015
23*	232545.00	000000.14+		ACPT12 VF,.12	QF000016
24*	232545.40	000000.30+		ACPT24 VF,.24	QF000017
25*	232546.00	000002.50+		APT168 VF,2.40	QF000018
26*	232546.40	000000.37+		ABT31 VF,0.31	QF000019
27*	232547.00	000000.00+		ARCDCT VF,C	QF000020
28*	232547.40	000000.00+		ACNT VF,C	-USED IN ASETZ TO SAVE NO. WDS. TO BE LOADED QF000021
29*	232547.71			ALB (A*)DD(BU,12,6),LB*	QF000022
30*	232550.05			ATWSTA (A*)DD(BU,48,6),)))))))*	QF000023
31*	232550.65	000000.07		ARELOB DRZ(BU,7),1	QF000024
32*	232551.00 *	000001.00		AADD DRZ(N),1	-USED IN AOCTAL ROUTINE QF000025
33*	231462.00+	+00000000	BU,100,10	ALDBF SYN,YBCBU	QF000026
34*	232552.00	000001.00		ALDCTR DRZ(N),1	-BINARY LOCATION COUNTER QF000027
35*	232552.40+	+00000000	N,100,04	ALDTC SYN,ALDCTR.32	-OCTAL LOCATION COUNTER QF000028
36*	232553.00	000000.40		ALCWD DRZ(BU,32),1	-PROGRAM LOW BOUND QF000029
37*	232553.40	000000.40		AHGHWD DRZ(BU,32),1	-PROGRAM HIGH BOUND QF000030
38*	232554.00	000000.40		AHIWD DRZ(BU,32),1	-HIGHEST LOC.OCCUPIED BY PROGRAM QF000031
39*	232554.40	000000.14		ASEQID DRZ(BU,12),1	-SEQUENCE COUNTER QF000032
40*				- *****	QF000033
41*				- ***** RESUME LOAD PSEUDO OP. *****	QF000034
42*				- *****	QF000035
43*	232554.54 *			SLC,\$	QF000036
44*				CNOP	QF000037
45*	232555.00		04	YRLTT DD(BU,6),(8)04	QF000038
46*	232555.06 *	000000.47		DRZ(BU,39),(1)	QF000039
47*				EXT(0,18)	QF000040
48*	232555.55		0465340	B,YRESLD	QF000040
49*	232556.00 *	000002.00		DR(BU),(2)	QF000041
50*	232560.00	231163.02 10		YRESLD LX,\$1,YXWRLD	QF000042
51*	232560.40	231141.10 00		B,YMPFCH	QF000043

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	QG000001
2*			-	***** THE DEBUGGER PACKAGE *****	QG000002
3*			-	*****	QG000003
4*			-		QG000004
5*	232561.00 *			SLC, \$	QG000005
6*			-	-SYN LIST	QG000006
7*	000000.54+	+00000000	NULL	G DELK SYN,0.44	QG000007
8*	000000.55+	+00000000	NULL	P CLK SYN,0.45	QG000008
9*	000000.56+	+00000000	NULL	P DUMK SYN,0.46	QG000009
10*	000000.57+	+00000000	NULL	PHCK SYN,0.47	QG000010
11*	000000.60+	+00000000	NULL	P STK SYN,0.48	QG000011
12*	000000.20+	+00000000	NULL	PSICK SYN,0.16	QG000012
13*	000002.20+	+00000000	NULL	P DKLS SYN,2.16	QG000013
14*	000002.21+	+00000000	NULL	P EBKS SYN,2.17	QG000014
15*	000002.13+	+00000000	NULL	P CAS SYN,2.11	QG000015
16*	000002.14+	+00000000	NULL	P SSRS SYN,2.12	QG000016
17*	000002.15+	+00000000	NULL	P FPS SYN,2.13	QG000017
18*	000002.16+	+00000000	NULL	P CH SS SYN, 2.14	QG000018
19*	000002.17+	+00000000	NULL	P XWS SYN,2.15	QG000019
20*	000002.20+	+00000000	NULL	PHCLDS SYN,2.16	QG000020
21*	000002.21+	+00000000	NULL	PINCS SYN,2.17	QG000021
22*	000002.22+	+00000000	NULL	PIASS SYN,2.18	QG000022
23*			-	-DEBUGGER CS FIXLP FOR CNSL	QG000023
24*	232561.00	000040.10	CO	P DBO B,DMCP	QG000024
25*	232561.40	000001.01	80	,DRDS	QG000025
26*	232562.00	000012.00	80	,PCDEF2	QG000026
27*	232562.40	232645.00	80	,PCW1	QG000027
28*	232563.00	215571.00	80	SIC, S PRIMR	QG000028
29*	232563.40	215570.04	00	BD, S PRIME	QG000029
30*	232564.00	000116.00	80	, S DCT	QG000030
31*	232564.40	232565.00	00	BE, \$ +.32	QG000031
32*	232565.00	000040.10	00	B,DMCP	QG000032
33*	232565.40	000041.00	80	,DRET	QG000033

LINE	LOCATIONN	BINARY OUTPUT	NAME	STATEMENT	LOCATIONN
1*			-	-	QG000035
2*			-	-DEBUGGER AND \$HOLD	QG000036
3*			-	-	QG000037
4*				CNOP	QG000038
5*	232566.00	040C000000C00000	P DB TT	DD(BU,45),(8)C40 C0C C0C C0C C0C -DB TENTACLE TABLE	QG000039
6*				EXT(0,18)	QG000040
7*	232566.55	0465366		B, P DB BEG	QG000040
8*	232567.00 *	000C02.C0		DRZ(BU),(2)	QG000041
9*				CNOP	QG000042
10*	232571.00	C00C01.C0	PLTRA	DRZ(N),(1)	QG000043
11*	232572.CC	C00C01.CC	PLTWA	DRZ(N),(1)	QG000044
12*			-	-DISPLAY PPS INTRUCTION CCOUNTER	QG000045
13*	232573.00	231161.02 10	PDBBEG	LX,\$1,YXWDB	QG000046
14*	232573.40	231141.10 00		B,YMPFCH	QG000047
15*			-	-	QG000048
16*			-	-DISPLAY IC ROUTINE	QG000049
17*	232574.00	C00C22.C0 80	P D4	L(DU,18,3),\$2,104 - PUT WORD ADDRESS IN \$L, OFFSET 40	QG000050
18*	232575.00	C00C22.22 80		LF(BU,1),\$2.18,-30 -HALF WORD POSITION	QG000051
19*	232576.00	500C00.C0 80		LF1(BU,4),(2)101C,-28 -DECIMAL POINT	QG000052
20*	232577.00	232631.40 80		SF(BU,32),PCNOUT+1.32,-32	QG000053
21*	232600.00	232613.00 80		TI,1,PNSLIN,PONOUT	QG000054
22*	232601.00	C00C40.10 00		B,DMCP - DISPLAY PPS IC	QG000055
23*	232601.4C	C00C01.41 80		, D W S	QG000056
24*	232602.00	000C12.C0 80		, P C DEF2	QG000057
25*	232602.40	232650.00 80		,PCW5	QG000058
26*	232603.00	000C00.10 0C		B, C. (\$12) - LINK OUT	QG000059
27*			-	-	QG000060
28*	232603.40	000C00.30 00		CNOP	QG000061
29*	232604.C0	C00C00.30 00	G NOP	NOP	QG000062
30*	232604.4C	C00C00.30 00		NCP	QG000062
31*	215012.40+	+00C00000 B ,31 ,01	P INVAD	SYN,SMARK	QG000063
32*	232605.00	000016.40+ 000 000010 232605	P K1	XW,14.32,8,PK1 -VF OFFSET = 28	QG000064
33*	232606.00 *	000002.00+ 000 000002 232606	P K2	XW,2.0,2,PK2	QG000065
34*				CNOP	QG000066
35*	232607.00	1765211525140017230400	P SETIC	DD(BU,64,8),(8)1765211525140017230400 -SET IC	QG000067
36*	232610.00	1764631725040020241400	P DISKL	DD(BU,64,8),(8)1764631725040020241400 -DIS KL	QG000068
37*	232611.00	1764652165140013640400	P ENTBK	DD(BU,64,8),(8)1764652165140013640400 -ENT BK	QG000069
38*	232612.00	1764632524251300000000	P DUMP	DD(BU,64,8),(8)1764632524251300000000 -DUMP	QG000070
39*			-	-CNSL TEMPORARY BUFFERS	QG000071
40*				CNOP, C	QG000072
41*	232613.00 *	C00C15.00	PNSLIN	DRZ(BU,64),(13) -CNSL INPUT BUFFER	QG000073
42*	232630.00	C00C15.CC	PCNOUT	DRZ(BU,64),(13) -CNSL OUTPUT BUFFER	QG000074
43*			-	-	QG000075
44*			-	-CNSL CONTROL WORDS	QG000076
45*	232645.00	232613.00+ 000 000015 232645	P CW1	CW,PNSLIN,13,\$ -CNSL INPUT CW	QG000077
46*	232646.00	232630.00+ 000 000015 232646		CW,PCNOUT,13,\$ -CNSL OUTPUT CW	QG000078
47*	232647.00	232630.00+ 000 000007 232647	P CW4	CW,PCNOUT,7,\$	QG000079
48*	232650.00	232630.00+ 000 000003 232650	P CW5	CW,PCNOUT,3,\$	QG000080
49*	232651.00	232572.00+ 000 000001 000000	PCW6	CW,PLTWA,1	QG000081
50*	232652.00	232571.00+ 000 000001 000000	PCW7	CW,PLTRA,1	QG000082

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					QG000084
2*				-CNLS I/O TABLES OF EXITS	QG000085
3*					QG000086
4*				CNCP	QG000087
5*	232653.CC *	000002.CC	P DB EX	DRZ(BU,64),2	QG000088
6*	232655.CC	232661.10 00		B,PER	QG000089
7*	232655.40	000000.30 00		NOP	QG000089
8*	232656.00	232660.10 00		B,P END1	QG000090
9*	232656.40	000000.30 00		NOP	QG000090
10*	232657.00	232561.10 00		B, P DBC	QG000091
11*	232657.40	000000.30 00		NOP	QG000091
12*	232660.CC	000040.10 00	PEND1	B,DMCP	QG000092
13*	232660.40	000041.00 80		,DRET	QG000093
14*				-CNLS ERROR FIXUP WITHIN DEBUGGER	QG000094
15*	232661.00	232670.00 80 040000.20 50	PER	L(BU,32),PUK1	QG000095
16*	232662.CC	232654.11 80 232664.34 00		BZB,PDBEX+1.9,PER1	QG000096
17*	232663.CC	232670.40 80 040000.20 50		L(BU,32),PEPGK1	QG000096
18*	232664.00	232671.10 80 040000.20 00	PER1	ST(BU,32),PERMSG+.8	QG000097
19*	232665.00	000040.10 00		B,DMCP	QG000098
20*	232665.40	000043.40 80		,DCOMM	QG000099
21*	232666.CC	232671.00 80		,PERMSG	QG000100
22*	232666.40	000006.00 80		,6.0	QG000101
23*	232667.00	000040.10 00		B,DMCP	QG000102
24*	232667.40	000041.00 80		,DRET	QG000103
25*	232670.CC *		PUK1	(IQS*)DD(BU), UK *	QG000104
26*	232670.40		PEPGK1	(IQS*)DD(BU),EPGK*	QG000105
27*				CNOP	QG000106
28*	232671.00		PERMSG	(IQS*)DD(BU), XXXX ON CNLS-LAST FUNCTION PROBABLY *	QG000107
29*	232675.50			(IQS*)DD(BU),INCORRECT *	QG000108
30*				*****HOLD SUBROUTINE*****	QG000109
31*				CNOP	QG000110
32*	232677.00	0400000000000000	P CLD TT	DD(BU,45),(8)040 000 000 000 000 - \$HOLD TENTACLE TABLE	QG000111
33*				EXT(0,18)	QG000112
34*	232677.55	0465604		B, P HOLD	QG000112
35*	232700.00 *	000002.00		DRZ(BU),(2)	QG000113
36*	232702.00	232677.04 80 232706.34 00	P HOLD	BZB,P CLD TT+.04,P HOLD1	QG000114
37*	232703.00	232700.00 80 040000.07 70		CT0011(BU,32),POLDTT+1.0	QG000115
38*	232704.00	232706.34 00		BZRZ,P HOLD1	QG000116
39*	232704.40	234663.40 80 232711.74 02		BB,P HOLD B,P HOLD2	QG000117
40*	232705.40	232713.50 00		B,P HOLD3	QG000118
41*	232706.00	234663.40 80 001000.36 00	P HOLD1	CM1111(BU,1),P HOLD B	QG000119
42*	232707.00	232632.20 80 001000.36 00		CM1111(BU,1),PONOUT+PHOLDS	QG000120
43*	232710.00	215361.04 30		LV,\$2,SICBU	QG000121
44*	232710.40	232711.71 01		LVI,\$12,\$+1.0	QG000122
45*	232711.00	232574.10 00		B,PD4	QG000123
46*	232711.40	215571.00 80	PHCLD2	SIC,SPRIMR	QG000124
47*	232712.00	215570.04 00		BD,SPRIME	QG000125
48*	232712.40	000101.40 80		,DHCLD	QG000126
49*	232713.00	232713.40 00		BE,\$+.32	QG000127
50*	232713.40	000040.10 00	PHCLD3	B,DMCP	QG000128
51*	232714.00	000041.00 80		,DRET	QG000129

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	QH000001
2*			-	***** THE SYSTEM COMMAND PACKAGE *****	QH000002
3*			-	*****	QH000003
4*	232714.40 *			SLC,\$	QH000004
5*			-	*****COMMAND PACKAGE TENTACLE*****	QH000005
6*	232714.40	000000.30 00		CNOP	QH000006
7*	232715.00		05 J TENT	DD(BU,4),5 -NUMBER OF PARAMETERS	QH000007
8*	232715.04		0	DD(BU,1),0 -USER BIT - .4	QH000008
9*	232715.05		0	DD(BU,1),0 -ENTRY MODE NOT SAME .5	QH000009
10*	232715.06		0	DD(BU,1),0 -ENTRY MODE NOT DISABLED .6	QH000010
11*	232715.07		0	DD(BU,1),0 -ENTRY MODE IS ENABLED	QH000011
12*	232715.10		0	DD(BU,1),0 -NOT USED .8	QH000012
13*	232715.11		0	DD(BU,1),0 -BUSY BIT - .9	QH000013
14*	232715.12		0	DD(BU,1),0 -NOT USED .10	QH000014
15*	232715.13		2	DD(BU,2),(2)10 -FORM EFFECTIVE,NO RESTORE-SOURCE	QH000015
16*				-CODE .11	QH000016
17*	232715.15		2	DD(BU,2),(2)10 -FORM EFFECTIVE,NO RESTORE-LOCATION .13	QH000017
18*	232715.17		3	DD(BU,2),(2)11 -FORM EFFEC.,RESTORE-NUMBER .15	QH000018
19*	232715.21 *	000000.34		DRZ(BU,2),(14) -14 VOID FIELDS .17 THRU .44	QH000019
20*				EXT(0,18)	QH000020
21*	232715.55		0465644	B,YXCMD	QH000020
22*	232716.00	000000.00+		VF,C	QH000021
23*	232716.40	000000.00+	J RETA	VF,C	QH000022
24*	232717.00	000000.00+		VF,C	QH000023
25*	232717.40	000000.00 80		,0	QH000024
26*	232720.00	000000.00 80	J CODE	,0	QH000025
27*	232720.40	000000.00 80	J FRST	,0	QH000026
28*	232721.00	000000.00 80	J SIZE	,0	QH000027
29*	232721.40	000000.00 80		,0	QH000028
30*	232722.00	231160.02 10	YXCMD	LX,1,Y XW CMD	QH000029
31*	232722.40	231141.10 00		B,Y MP FCH	QH000030
32*			-		QH000031
33*			-	*****OPERATOR CONSOLE FIXUP*****	QH000032
34*			-		QH000033
35*	232723.00 *	000002.00	JCFIX	DRZ(N),(2)	QH000034
36*	232725.00	000040.10 00		B,\$MCP	QH000035
37*	232725.40	000041.00 80		,\$RET	QH000035
38*	232726.00	232731.10 00		B,JCNCS	QH000036
39*	232726.40	000000.30 00		NOP,	QH000036
40*	232727.00	232731.10 00		B,JCNCS	QH000037
41*	232727.40	000000.30 00		NOP	QH000037
42*	232730.00	232733.10 00		B,J CNCS+2.0	QH000038
43*	232730.40	000000.30 00		NOP	QH000038
44*	232731.00	215002.02 10	J CNCS	LX,1,SX CHAN	QH000039
45*	232731.40	215006.02 80		V+,1,SYCOCH	QH000040
46*	232732.00	215006.02 80		V+,1,SYCOCH	QH000041
47*	232732.40	000000.02 31		LV,1,C.C(\$1) -GET UNIT STATUS ADDRESS	QH000042
48*	232733.00	000000.57 81	001000.00 F0	CM0000,S CNS SG(\$1)	QH000043
49*	232734.00	217000.03 01		LVI,JINXK,P MCP BF+3.0	QH000044
50*	232734.40	232745.04 10		LX,JMKNT,J LMSG	QH000045
51*	232735.00	774000.00 80	410000.06 70	LFI(BU,8),(2)11111110 -END CHARACTER	QH000046
52*	232736.00	000000.10 81	110000.23 10	J CLOK KF(V+I)(BU,8),.8(JINXK)	QH000047
53*	232737.00	232740.36 02		BAE,J ENDC	QH000048
54*	232737.40	232736.05 48		CB+,JMKNT,J CLOK	QH000049
55*	232740.00 *	232743.05 30	J ENDC	SV,J MKNT,J LINK	QH000050
56*	232740.40	215571.00 80		SIC,S PRIM R	QH000051

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	232741
1*	232741.00	215570.04 00		BD,S PRIME		QH000052
2*	232741.40	CCC120.00 80		,S COMD		QH000053
3*	232742.00	CCCC03		CF,3.0	-SOURCE IS CONSOLE	QH000054
4*	232742.40	217000.00+		VF,P MCP BF+3.0		QH000055
5*	232743.00	CCCC00	J LINK	CF,0	-FILLED IN ABOVE	QH000056
6*	232743.40	000000.30 00		NOP		QH000057
7*	232744.00	000040.00 00		BE,D MCP		QH000058
8*	232744.40	000041.00 80		,D RET		QH000059
9*	232745.00	000000.00+ 000 000120 000000	J LMSG	XW,0,80.0		QH000060
10*	000021.00+	+00000000	J INXK	SYN,\$1		QH000061
11*	000022.00+	+00000000	J MKNT	SYN,\$2		QH000062

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		QJ000001
2*			-	*****	QJ000002
3*			-	THE SPECIAL ASSIGNMENT PACKAGE	QJ000003
4*			-	*****	QJ000004
5*	232746.00 *			SLC,\$	QJ000005
6*			-		QJ000006
7*			-	CALLING LINKAGE	QJ000007
8*			-	SIC,Z CCM 90 B,Z ASN 01 VF,IOD NUMBER	QJ000008
9*			-		QJ000009
10*	232746.00	233077.40 80	Z ASN 01	SIC,Z CCM 99	QJ000010
11*	232746.40	233067.50 00		B,Z CCM 01	QJ000011
12*	232747.00	000000.31 82		BB,S CH AVL(\$2),Z ASN 50	QJ000012
13*	232750.00	000000.34 81		BB,S UN AVL(\$1),Z ASN 50	QJ000013
14*	232751.00	000000.76 81		CTOC11(BU,2),0.62(\$1)	QJ000014
15*	232752.00	232753.74 C2		BRZ,Z ASN 04	QJ000015
16*	232752.40	215001.02 80		CM1111,S CNF CG	QJ000016
17*	232753.40	000000.35 81	Z ASN04	BZBZ,S UNASG(\$1),Z ASN50	QJ000017
18*					QJ000018
19*	232754.40	000000.40 81		CM1111,S OWNER(\$1)	QJ000019
20*	232755.40	000000.05 71		SR,2,S UN A A(\$1)	QJ000020
21*	232756.00	000022.02 90		KV,1,\$2	QJ000021
22*	232756.40	000000.51 81		CMOC00(BU,8),S VER+.1(\$1)	QJ000022
23*	232757.40	000000.71 81		CMOC00(BU,7),S RD(\$1)	QJ000023
24*	232760.40	232762.72 00		BZXE,Z ASN 06	QJ000024
25*	232761.00 *	233105.02 10	Z COM 95	LX,1,Z COM 98	QJ000025
26*	232761.40	233106.04 10		LX,2,Z COM 98+1.0	QJ000026
27*	232762.00	232762.10 00	Z COM 90	B,\$	QJ000027
28*	232762.40	000000.63 81	Z ASN 06	CM1111,S MOUNT(\$1)	QJ000028
29*	232763.40	000000.65 81		CM1111(BU,1),S I MNT(\$1)	QJ000029
30*	232764.40	000000.50 81		CM1111,S VER(\$1)	QJ000030
31*	232765.40	000000.33 81		CMOC00,S DISPO(\$1)	QJ000031
32*	232766.40	000000.32 81		CM1111,STATI(\$1)	QJ000032
33*	232767.40	000000.03 09		LVNI,1,0.0	QJ000033
34*	232770.00	000022.05 70		SR,2,\$2	QJ000034
35*	232770.40	000007.43 32		SV,1,S FILE K(\$2)	QJ000035
36*	232771.00	000012.22 00		Z,\$SB	QJ000036
37*	232771.40	000012.02 80		CM1111(BU,2),\$SB+.2	QJ000037
38*	232772.40	000000.01 82	ZASN52	LCV(BU,18),.1(\$2)	QJ000038
39*	232773.40	233013.07 80		ST(DU,16,8),Z ASN 12-.1	QJ000039
40*	232774.40 *	000000.57 82		LCV(BU,3),S UNIT N(\$2)	QJ000040
41*	232775.40	233014.17 80		ST(DU,8,8),Z ASN 13-.1	QJ000041
42*	232776.40	000001.34 80		L(BU,26),\$TC	QJ000042
43*	232777.40	000001.40 82		ST,S RMT(\$2)	QJ000043
44*	233000.40	215001.10 80		CTOC11,SYSMOD	QJ000044
45*	233001.40	233017.74 C2		BRZ,Z ASN 09	QJ000045
46*	233002.00	233016.04 30		LV,2,Z ASN 15	QJ000046
47*	233002.40	233007.05 30	Z ASN 07	SV,2,Z ASN 11	QJ000047
48*	233003.00	000040.10 00		B,D MCP	QJ000048

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	233003
1*	233003.40	000043.40	80		,D COMM		QJ000050
2*	233004.00	233006.00+			VF,Z ASN 10		QJ000051
3*	233004.40	000007			CF,7.0		QJ000052
4*	233005.00	232761.10	00		B,Z CCM 95		QJ000053
5*	233005.40	000000.30	00		CNOP		QJ000054
6*	233006.00			Z ASN 10	(IQS*)DD(BU), MCUNT *		QJ000055
7*	233007.00 *			Z ASN 11	(IQS*)DD(BU), LINE MODE MCP TAPE ON CHANNEL *		QJ000056
8*	233013.10			Z ASN 12	(IQS*)DD(BU), , UNIT *		QJ000057
9*	233014.20			Z ASN 13	(IQS*)DD(BU), . *		QJ000058
10*	233015.40	000000.30	00		CNOP		QJ000059
11*	233016.00			Z ASN 15	(IQS*)DD(BU),OFF*		QJ000060
12*	233016.40	000000.30	00		CNOP		QJ000061
13*	233017.00			Z ASN 16	(IQS*)DD(BU), ON*		QJ000062
14*	233017.40	233017.04	30	Z ASN 09	LV,2,Z ASN 16		QJ000063
15*	233020.00	233002.50	00		B,Z ASN 07		QJ000064
16*	233020.40	000023.00	80	233034.20 AC ZASN50	TI,8,\$3 ,ZASN99		QJ000065
17*	233021.40	000022.20	30		LV,8,\$2	-PUT CHAN STATUS ADDRESS	QJ000066
18*	233022.00	000021.14	30		LV,6,\$1		QJ000067
19*	233022.40	235127.63	80	001000.00 FO	CM0000(BU,1),Z LCD LP+.19	-SET SWITCH	QJ000068
20*	233023.40 *	235143.40	80		SIC,Z SCAN 9		QJ000069
21*	233024.00	235071.10	00		B,Z CH SCN		QJ000069
22*	233024.40	233103.31	42	Z ASN 51	BXVZ,Z COM 19	-BR. IF NO REPLACEMENT FOUND	QJ000070
23*	233025.00	215001.02	80	001000.36 FO	CM1111,S CNF CG		QJ000071
24*	233026.00	235127.63	80	001000.36 FO	CM1111(BU,1),Z LCD LP+.19	-RESET SWITCH FOR REASSIGN	QJ000072
25*	233027.00	000022.05	70		SR,2,\$2	-GET ORIG UNIT AREA ADDRESS	QJ000073
26*	233027.40	000000.07	12		SX,ZCHNNM,SCHANN(\$2)	-NEW CHANNEL NUMBER	QJ000074
27*	233030.00	000000.51	32		SV,ZUNTNM,SUNITN(\$2)	-NEW UNIT NUMBER	QJ000075
28*	233030.40	000031.02	30		LV,1,\$9	-GET NEW UNIT STATUS ADDRESS	QJ000076
29*	233031.00	000000.05	31		SV,2,0.0(\$1)	-SET UAA INTO NEW UST	QJ000077
30*	233031.40	000000.65	81	001000.36 FO	CM1111,S I MNT(\$1)		QJ000078
31*	233032.40	233034.00	80	000023.20 AC	TI,8,ZASN99,\$3		QJ000079
32*	233033.40	232772.50	00		B,Z ASN 52		QJ000080
33*	233034.00 *	000010.00		Z ASN 99	DRZ(N),(8)	-INDEX STORAGE	QJ000081
34*							QJ000082
35*					*****		QJ000083
36*					THE SPECIAL DISASSIGN PACKAGE		QJ000084
37*					*****		QJ000085
38*							QJ000086
39*					CALLING LINKAGE		QJ000087
40*					SIC,Z COM 90 B,Z DSN 01 VF,IOD NUMBER		QJ000088
41*							QJ000089
42*	233044.00	233077.40	80	Z DSN 01	SIC,Z CCM 99		QJ000090
43*	233044.40	233067.50	00		B,Z COM 01		QJ000090
44*	233045.00	000022.02	90		KV,1,\$2		QJ000091
45*	233045.40	000000.36	81	233103.34 02	BB,S UN SUP(\$1),Z COM 19	-BRANCH IF SUPPRESSED TO ERROR	QJ000092
46*	233046.40	000000.35	81	233103.34 0E	BB1,S UN ASG(\$1),Z COM 19	-BRANCH IF NOT ASSIGNED TO ERROR	QJ000093
47*						-SET UNASSIGNED	QJ000094
48*	233047.40	000000.40	81	001000.00 FO	CM0000,S OWNER(\$1)		QJ000095
49*	233050.40	000000.50	81	011000.00 FO	CM0000(BU,9),S VER(\$1)	-CLEAR TABLES	QJ000096
50*	233051.40	000000.71	81	007000.00 FO	CM0000(BU,7),S RD(\$1)		QJ000097

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	233052		
1*	233052.40	232761.32	C2		BXE,Z CCM 95	-BRANCH IF SINGLE-UNIT CHANNEL	QJ000099		
2*	233053.00	000000.33	81	001000.36	FC	CM1111,S DISPO(\$1)	QJ000100		
3*	233054.00	000000.32	81	001000.00	FO	CM0000,STATI(\$1)	QJ000101		
4*	233055.00	000000.63	81	001000.00	FO	CM0000,S MOUNT(\$1)	QJ000102		
5*	233056.00	000000.65	81	001000.00	FO	CM0000,S I MNT(\$1)	QJ000103		
6*	233057.00	*	233062.40	80	233062.34	08	BZBN,Z DSN 05,Z DSN 09	-TEST FOR ONE MESSAGE	QJ000104
7*	233060.00	000040.10	00			B,D MCP	QJ000105		
8*	233060.40	000043.40	80			,D COMM	QJ000106		
9*	233061.00	233062.40+				VF,Z DSN 05	QJ000107		
10*	233061.40	000005				CF,5.0	QJ000108		
11*	233062.00	232761.10	00		Z DSN 09	B,Z CCM 95	QJ000109		
12*	233062.40				Z DSN 05	(IQS*)DD(BU), DISREGARD SYSTEM TAPE MOUNTING REQUESTS*	QJ000110		
13*					-		QJ000111		
14*					-	*****	QJ000112		
15*					-	THE SPECIAL ASSIGNMENT COMMON PACKAGE	QJ000113		
16*					-	*****	QJ000114		
17*					-		QJ000115		
18*					-	CALLING LINKAGE	QJ000116		
19*					-	SIC,Z COM 99 B,Z COM 01	QJ000117		
20*					-		QJ000118		
21*	233067.40	233105.03	10		Z COM 01	SX,1,Z COM 98	-SAVE INDICES	QJ000119	
22*	233070.00	233106.05	10			SX,2,Z COM 98+1.0	QJ000120		
23*	233070.40	232762.04	30			LV,2,Z COM 90	-GET IOD NUMBER ADDRESS	QJ000121	
24*	233071.00	000000.02	32			LV,1,0.0(\$2)	-GET IOD NUMBER	QJ000122	
25*	233071.40	221002.31	42			BXVZ,Z IOD H	-IOD EQUAL TO ZERO, ERROR	QJ000123	
26*	233072.00	000000.45	05			V+1,2,.32	QJ000124		
27*	233072.40	*	232762.05	D0		SVA,2,Z COM 90	-SET RETURN ADDRESS	QJ000125	
28*	233073.00	215003.02	80			V+,1,S BA MCP	-ADD IO LCC BASE ADDR TO IOD	QJ000126	
29*	233073.40	000000.04	31			LV,2,0.0(\$1)	-GET UNIT AREA ADDRESS	QJ000127	
30*	233074.00	000022.04	70			LR,2,\$2	-PUT UNIT AREA ADDR IN RF \$2	QJ000128	
31*	233074.40	000000.02	32			LV,1,S CHAN N(\$2)	QJ000129		
32*	233075.00	000021.02	80			V+,1,\$1	-GET CHANNEL NUMBER INTO \$1	QJ000130	
33*	233075.40	215002.02	80			V+,1,S X CHAN	-ADD BASE OF CHAN ST TABLES	QJ000131	
34*	233076.00	000000.33	81	233100.34	02	BB,S MULTI(\$1),Z COM 02	-BRANCH IF MULTI UNIT CHANNEL	QJ000132	
35*	233077.00	000021.04	30			LV,2,\$1	-CHAN STATUS TBL ADDR INTO \$2	QJ000133	
36*	233077.40	233077.50	C0		Z COM 99	B,\$	-RETURN SLOT	QJ000134	
37*	233100.00	000000.44	32		Z COM 02	LV,2,S UNIT N(\$2)	-GET UNIT NUMBER IN \$1	QJ000135	
38*	233100.40	000000.04	81			V+,2,S UN A A(\$1)	-ADD BASE ADDR OF UNIT ST. TBL.	QJ000136	
39*	233101.00	233102.05	D0		Z COM 03	SVA,2,Z COM 04	QJ000137		
40*	233101.40	000021.04	30			LV,2,\$1	-GET CHAN ST TBL ADDR IN \$2	QJ000138	
41*	233102.00	000000.03	01		Z COM 04	LVI,1,0.0	-GET UNIT ST ADDR IN \$1	QJ000139	
42*	233102.40	233077.50	00			B,Z COM 99	QJ000140		
43*	233103.00	004002.35	01		Z COM 19	LVI,14,S ASN ER	-ERROR ROUTINE	QJ000141	
44*	233103.40	217451.40	80			SIC,S DISIC	QJ000142		
45*	233104.00	217372.04	00			BD,S DISP	QJ000142		
46*	233105.00	000000.00+	000	000000	000000	Z COM 98	XW,0.0	-STORAGE FOR INDICES	QJ000143
47*	233106.00	*	000000.00+	000	000000	000000	XW,C.0	QJ000144	

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	QK000001
2*			-	***** THE \$TIME PSEUDO OP *****	QK000002
3*			-	*****	QK000003
4*			-		QK000004
5*			-	CALLING SEQUENCE	QK000005
6*			-	B,\$MCP , \$TIME ,FWA(I)	QK000006
7*			-		QK000007
8*	233107.00 *			SLC,\$	QK000008
9*	233107.00	215265.16 30	Z TIME	LV,7,STIC	QK000009
10*	233107.40	000000.57 05		V+I,7,.32	QK000010
11*	233110.00	233112.57 00		SVA,7,Z T 1	QK000011
12*	233110.40	000000.57 05		V+I,7,.32	QK000012
13*	233111.00	215265.17 30		SV,7,STIC	QK000013
14*	233111.40	215246.00 80	000021.36 A0	TI,15,S T LR+14.0,17.0	QK000014
15*	233112.40	000000.03 80	Z T 1	LVE,1,C.0	QK000015
16*	233113.00	233113.50 C6		BUSAZ,\$+.32	QK000016
17*	233113.40	233114.10 46		BADZ,\$+.32	QK000017
18*	233114.00	233141.00 80		SIC,Z T8 1	QK000018
19*	233114.40	233136.10 00		B,Z T8	QK000018
20*	233115.00	000012.22 00	Z T 2	Z,\$SB	QK000019
21*	233115.40	000012.02 80	002000.36 F0	CM1111(BU,2),\$SB+.2	QK000020
22*	233116.40	000001.34 80	032042.20 50	L(BU,26),\$TC,-60	QK000021
23*	233117.40	233143.00 80	033142.00 10	+(B,27,1),S TIME K,-60	QK000022
24*	233120.40	740000.00 80	406042.21 00	/I(BU,6),60,-60	QK000023
25*	233121.40 *	000015.66 80	006000.06 70	C0011(BU,6),\$RM+.54	QK000024
26*	233122.40	000000.24 81	006000.12 F0	CM0101(BU,6),0.20(\$1)	QK000025
27*	233123.40	740000.00 80	406042.21 00	/I(BU,6),60,-60	QK000026
28*	233124.40	000010.00 80	000014.21 00	CV(BU),\$L,24	QK000027
29*	233125.40	000015.66 80	006000.22 30	LTRCV(BU,6),\$RM+.54	QK000028
30*	233126.40	000017.64 80	010006.06 70	C0011(BU,8),\$TR+.52,12	QK000029
31*	233127.40	000000.24 81	006000.22 30	LTRCV(BU,6),0.20(\$1)	QK000030
32*	233130.40	000017.64 80	010000.06 70	C0011(BU,8),\$TR+.52	QK000031
33*	233131.40	000000.00 81	077000.24 00	ST(DU,63,8),0.0(\$1)	QK000032
34*	233132.40	352000.00 80	410000.06 70	LFI(BU,8),(2)01110101	QK000033
35*	233133.40	000000.20 81	010000.12 F0	SF(BU,8),0.16(\$1)	QK000034
36*	233134.40	000000.50 81	010000.12 F0	SF(BU,8),0.40(\$1)	QK000035
37*	233135.40 *	216242.10 00		B,K SUPP	QK000036
38*	233136.00	215001.04 80	233141.34 02	Z T8 BB,SL,Z T8 1	QK000037
39*	233137.00	215230.02 90		KV,1,STLR	QK000038
40*	233137.40	233141.72 40		BZXL,Z T 9	QK000039
41*	233140.00	215230.42 90		KV,1,STLR+.32	QK000040
42*	233140.40	233141.72 42		BXL,Z T 9	QK000041
43*	233141.00	233141.10 00	Z T8 1	B,\$	QK000042
44*	233141.40	010011.35 01	Z T 9	LVI,14,S FORBD	QK000043
45*	233142.00	217451.40 80		SIC,SDISIC	QK000044
46*	233142.40	217372.10 00		B,SDISP	QK000044
47*	233143.00	000000.00+	S TIME K	VF,C.0	QK000045

LINE	LOCATICN	BINARY CUTPUT	NAME	STATEMENT	LOCATION
1*			- *****		RA000001
2*			- *****	DUMMY MAJOR PACKAGE *****	RA000002
3*			- *****		RA000003
4*	233143.31 *			SLC, \$	RA000004
5*	233143.40	000000.30 CO		CNCP	RA000005
6*	233144.CC		0400000000000000	UNDEF DD(BU,45),0(.3)1	RA000006
7*				EXT(0,18)	RA000007
8*	233144.55		0466316	B, J UNDEF	RA000007
9*	233145.00	000000.00+		VF, C	RA000008
10*	233145.40	000000.00+		VF, C	RA000009
11*	233146.C0	000000.00+		VF, C	RA000010
12*	233146.40	000000.00+		VF, C	RA000011
13*	233147.00	000040.10 CO	J UNDEF	B, D MCP	RA000012
14*	233147.40	000041.00 80		, S D RET	RA000013

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-	*****	SA000001
2*				-	***** COMMENTATOR *****	SA000002
3*				-	*****	SA000003
4*	233150.00 *			-	SLC,\$	SA000004
5*				-		SA000005
6*				-	*****COMMENTATOR DISABLED ENTRY POINT*****	SA000006
7*				-		SA000007
8*	233150.00	233666.01	80	MCCMD	CM1111(BU,1),JWAIT.1	SA000008
9*	233151.00	000020.00	80		TI,16,\$XC,JDEXRG -SAVE INDEX REGISTERS	SA000009
10*	233152.00	215470.41	80		LVE,\$XC,SCOMIC -ADVANCE SCOMIC TO EXIT SETTING	SA000010
11*	233152.40	000001.01	05		V+I,\$XC,1.0	SA000011
12*	233153.00	233213.41	00		SVA,\$XC,MCOMIC	SA000012
13*	233153.40	233157.50	00		B,JJOIN -MERGE WITH IF ENTRY	SA000013
14*				-		SA000014
15*				-	*****COMMENTATOR IF ENTRY POINT*****	SA000015
16*				-		SA000016
17*	233154.00	233666.00	80	JCCMM	CMOC00(BU,2),JWAIT -SET WAIT AND IF ENTRY BITS	SA000017
18*	233155.00	215246.00	80		TI,15,STLR+14.0,\$1 -RESTORE INDICES \$1-\$15	SA000018
19*	233156.00	215265.00	30		LV,\$XC,STIC -ADVANCE STIC TO EXIT SETTING	SA000019
20*	233156.40	000001.41	05		V+I,\$XC,1.32	SA000020
21*	233157.00	215265.01	30		SV,\$XC,STIC	SA000021
22*				-	*****DISABLED ENTRY JOINS HERE*****	SA000022
23*	233157.40	233666.02	80	JJCIN	CMOC00(BU,2),JRECEP -SET RECEPTOR AND STACK BITS	SA000023
24*	233160.40	000000.41	00		V-I,\$XC,.32 -COMPUTE LOCATION OF N(J)	SA000024
25*	233161.00	233162.41	00		SVA,\$XC,JDOL1	SA000025
26*	233161.40	000000.41	00		V-I,\$XC,.32 -COMPUT LOCATION OF FWA(I)	SA000026
27*	233162.00	233163.41	00		SVA,\$XC,JDOL2	SA000027
28*	233162.40	233162.41	80	JDCL1	LVE,\$XC,\$ -COMPUTE N(J)	SA000028
29*	233163.00 *	233173.01	30		SV,\$XC,JSETL+.32	SA000029
30*	233163.40	233163.41	80	JDCL2	LVE,\$XC,\$ -COMPUTE FWA(I)	SA000030
31*	233164.00	233164.50	06		BUSAZ,\$+.32	SA000031
32*	233164.40	233165.10	46		BADZ,\$+.32	SA000031
33*	233165.00	233172.41	30		SV,0,JSETL	SA000032
34*	233165.40	233666.01	80		233171.74 02 BB,JIF,JRRRRR	SA000033
35*	233166.40	233454.10	30		LV,JXTEM,JSTKP	SA000034
36*	233167.00	233616.11	04		KVI,JXTEM,JSTACK+80.0	SA000035
37*	233167.40	233171.72	42		BXL,JRRRRR	SA000036
38*	233170.00	215265.00	80		021000.32 80 M-1(BU,17),STIC	SA000037
39*	233171.00	216242.10	00		B,KSUPP	SA000038
40*	233171.40	233172.43	01	JRRRRR	LVI,JXIN1,\$+1.0	SA000039
41*	233172.00	233224.50	00		B,JSTKR	SA000040
42*	233172.40	000000.00+		JSETL	VF,C -PRESET TO FWA(I)	SA000041
43*	233173.00	000000			CF,0 -PRESET TO N(J)	SA000042
44*	233173.40	233174.43	01		LVI,JXIN1,\$+1.0 -TEST FOR NECESSITY OF WRITE	SA000043
45*	233174.00	233245.10	00		B,JDWTST	SA000044
46*	233174.40	233211.50	00		B,JTSTEX -RETURN,NO WRITE NEEDED	SA000045
47*	233175.00	233666.04	80		233214.34 02 BB,JIOBSY,MBSY -IS COMMENTATOR BUSY	SA000046
48*	233176.00	233177.03	01	M CTL	LVI,JXIN1,\$+1.0 -COMPUTE CONTROL WORD CHAIN	SA000047
49*	233176.40 *	233252.50	00		B,JSTCW	SA000048
50*	233177.00	215006.06	30		LV,JXCNSL,JCNAD -CONSOLE CHANNEL ADDRESS	SA000049
51*	233177.40	233200.43	01		LVI,JXIN1,\$+1.0	SA000050
52*	233200.00	233337.50	00		B,JIOGC	SA000051
53*	233200.40	000000.00	83	JRITE	W,0.0(JXCNSL),JSCWD1 -JIOGC ISSUES WRITE	SA000052
54*	233201.40	233217.50	00		B,MPPBSY -RETURN IF CBJ	SA000053

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	233202
1*	233202.00	233666.04	80 001000.36	FC	CM1111(BU,1),JIOBSY	-W ACCEPTED,MAKE \$COMM BUSY	SA000055
2*	233203.00	233204.43	01		LVI,JXIN1,\$+1.32	-DU SET UP I/O BOOK KEEPING	SA000056
3*	233203.40	233200.51	01		LVI,JXTEM,JRITE		SA000057
4*	233204.00	233274.50	00		B,MSETIC		SA000058
5*	233204.40	233666.00	80 233214.34	02	BB,JWAIT,MBSY	-GO TO WAIT FOR \$COMM EOP	SA000059
6*							SA000060
7*					*****COMMON EXIT ROUTINE*****		SA000061
8*							SA000062
9*	233205.40	233666.02	80 216242.34	06	JEXITD BBZ,JRECEP,KSUPP	-IF RECEPTOR ENTRY	SA000063
10*	233206.40	233666.03	80 233211.74	04	BZBZ,JSTKBT,JTSTEX	-1 IF WE STACKED AN INTERRUPT	SA000064
11*	233207.40	215001.04	80 233211.74	02	BB,SL,JTSTEX		SA000065
12*	233210.40	216242.23	80 001000.00	FC	CMOC00(BU,1),JKSUPB	-FORCE KSUPP TO CHECK INTERRUPT QUE	SA000066
13*	233211.40 *	233666.01	80 216242.34	00	JTSTEX BZB,JIF,KSUPP	-IF ENTRY MEANS RETURN THRU ACTUATOR	SA000067
14*	233212.40	233456.00	80 000020.00	A0	TI,16,JDEXRG,\$X0	-RESTORE INDEX REGISTERS	SA000068
15*	233213.40	233213.50	00		MCCMIC B,\$	-RETURN FOR DISABLED ENTRY	SA000069
16*							SA000070
17*					***** COMMENTATOR BUSY WITH OWN I/O *****		SA000071
18*							SA000072
19*	233214.00	233215.03	01	M BSY	LVI,JXIN1,\$+1.0		SA000073
20*	233214.40	233310.50	00		B,JTERM -WAIT FOR END OF		SA000073
21*	233215.00	233200.40+			VF,JRITE	-COMMENTATOR I/O	SA000074
22*	233215.40	233451.00	80 000000.20	D0	ST(BU,0),MCCWD	-SAVE COPIED CTLWD	SA000075
23*	233216.40	233424.45	01		LVI,JXIN2,MFIXUP		SA000076
24*	233217.00	233332.50	00		B,JRELGN -RELEASE CONSOLE		SA000076
25*						-AND PROCESS INTERRUPT	SA000077
26*							SA000078
27*					***** CONSOLE BUSY WITH OTHER I/O *****		SA000079
28*							SA000080
29*	233217.40	233220.43	01	M PP BSY	LVI,JXIN1,\$+1.0		SA000081
30*	233220.00	233310.50	00		B,JTERM -WAIT FOR END OF		SA000081
31*	233220.40	000000.00+			VF,C	-OTHER I/O	SA000082
32*	233221.00	740000.00	80 404024.43	70	CTIC001(BU,4),(8)740000.0,41	-EPGK,UK,EE, OR EOP ON	SA000083
33*	233222.00	233223.74	C2		BRZ,MRID	-CS ONLY ON	SA000084
34*	233222.40	233223.55	01		LVI,MXIN1,\$+1.0	-STACK SOMEONE ELSE'S	SA000085
35*	233223.00	233347.10	00		B,MSTACK	-INTERRUPT	SA000086
36*	233223.40	233177.05	01	M RID	LVI,JXIN2,JRITE-1.32	-RELEASE CONSOLE	SA000087
37*	233224.00	233332.50	00		B,JRELGN	-AND GO TO WRITE	SA000088
38*							SA000089
39*					*****ENTER MESSAGE IN STACK*****		SA000090
40*							SA000091
41*					LINKAGE...LVI,JXIN1,\$+1.0		SA000092
42*					B,JSTKR		SA000093
43*					VF,LOCATION OF MESSAGE		SA000094
44*					CF,LENGTH OF MESSAGE,LESS THAN 11 WORDS		SA000095
45*					RETURN		SA000096
46*							SA000097
47*	233224.40	000000.50	51	JSTKR	LC,JXTEM,.32(JXIN1)	-NO OF WORDS	SA000098
48*	233225.00	233211.70	42		BXCZ,JTSTEX		SA000099
49*	233225.40 *	233454.12	30		LV,JXTEM2,JSTKP	-NEXT BYTE IN STACK	SA000100
50*	233226.00	000000.10	31		LV,JXTEM,0.0(JXIN1)	-FWA	SA000101

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	233226
1*	233226.40	005764.00	80 420040.06 70		LFI(BU,16),(16)02FD,64 - RED \$ AND CR		SA000103
2*	233227.40	000000.10	85 110040.12 F0		SF(BU,8)(V+I),.8(JXTEM2),64		SA000104
3*	233230.40	215001.04	80 233236.34 02		BB,SL,JSTKRP-1.0		SA000105
4*	233231.40	233666.01	80 233236.34 02		BB,JIF,JSTKRP-1.0 -IF ACTUATOR		SA000106
5*	233232.40	215230.50	90		KV,JXTEM,SLOWER		SA000107
6*	233233.00	233234.72	42		BXL,JSTKER -TO ERRCR EXIT		SA000108
7*	233233.40	215230.10	90		KV,JXTEM,SUPPER		SA000109
8*	233234.00	233237.32	42		BXL,JSTKRP -IF NO ERROR		SA000110
9*	233234.40	000410.35	01	JSTKER	LVI,\$14,SCOMER		SA000111
10*	233235.00	217451.40	80		SIC,SDISIC		SA000112
11*	233235.40	217372.10	00		B,SDISP		SA000112
12*	233236.00	000000.10	85 110044.12 F0		SF(BU,8)(V+I),.8(JXTEM2),72		SA000113
13*	233237.00	000012.11	CA	JSTKRP	KCI,JXTEM,10.0		SA000114
14*	233237.40	233240.73	40		BZXH,\$+1.0 -		SA000115
15*	233240.00	000012.11	02		LCI,JXTEM,10.0 -RESET TO 10 WORDS		SA000116
16*	233240.40 *	000000.00	84 000000.06 70	JSTKR1	LF(BU,64),0.0(JXTEM) -MESSAGE WORD		SA000117
17*	233241.40	000001.00	85 100000.12 F0		SF(BU,64)(V+I),1.0(JXTEM2) -TO STACK		SA000118
18*	233242.40	233240.51	48		CB+,JXTEM,JSTKR1		SA000119
19*	233243.00	000000.10	85 110040.12 F0		SF(BU,8)(V+I),.8(JXTEM2),64 -CR LAST		SA000120
20*	233244.00	233454.13	30		SV,JXTEM2,JSTKP -NEW STACK PCINTER		SA000121
21*	233244.40	000001.10	01		B,1.0(JXIN1) -EXIT		SA000122
22*							SA000123
23*					*****IS WRITE NECESSARY*****		SA000124
24*							SA000125
25*					LINKAGE...LVI,JXIN1,\$+1.0		SA000126
26*					B,JDWTST		SA000127
27*					RETURN,NO WRITE NEEDED		SA000128
28*					RETURN,WRITE NEEDED		SA000129
29*							SA000130
30*	233245.00	233666.04	80 000000.74 01	JDWTST	BZB,JIOBSY,.32(JXIN1) -IF NOT BUSY,DO A WRITE		SA000131
31*	233246.00	233666.00	80 000000.74 03		BB,JWAIT,.32(JXIN1) -WRITE IF WAITING		SA000132
32*	233247.00	233454.10	30		LV,JXTEM,JSTKP -STACK POINTER		SA000133
33*	233247.40	233455.10	80		V+,JXTEM,JMESM -PLUS LENGTH OF LARGEST MESSAGE		SA000134
34*	233250.00	233666.11	04		KVI,JXTEM,JSTACK+JSIZSW		SA000135
35*	233250.40	000000.33	41		BZXH,C.C(JXIN1) -IF NOT FULL		SA000136
36*	233251.00	233666.00	80 001000.36 F0		CM1111(BU,1),JWAIT -IF FULL,TURN ON WAIT		SA000137
37*	233252.00	000000.50	01		B,.32(JXIN1)		SA000138
38*							SA000139
39*					*****CONSTRUCT TWO LINK CHAIN FOR WRITE*****		SA000140
40*							SA000141
41*					LINKAGE...LVI,JXIN1,\$+1.0		SA000142
42*					B,JSTCW		SA000143
43*					RETURN,TWO CW SET UP IN POOL		SA000144
44*							SA000145
45*	233252.40	000025.22	00	JSTCW	Z,JXTEM2-		SA000146
46*	233253.00	233454.10	30		LV,JXTEM,JSTKP -CURRENT STACK POINTER		SA000147
47*	233253.40	000024.22	80 006000.06 70	JSTCW1	LF(BU,6),JXTEM+.18 -BIT PORTION .18-.23		SA000148
48*	233254.40 *	233256.74	C2		BRZ,JPNTOK		SA000149
49*	233255.00	000000.10	84 110000.00 F0		CM0000(BU,8)(V+I),0.8(JXTEM) -INSERT IQS BLANK		SA000150
50*	233256.00	233253.50	00		B,JSTCW1		SA000151

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	233256
1*	233256.40	233454.11	30	JPNTOK	SV,JXTEM,JSTKP -POINTER NOW AT FULL WA.	SA000153	
2*	233257.00	233454.52	30		LV,JXTEM2,JSTWP	SA000154	
3*	233257.40	233264.53	D0		SVA,JXTEM2,RTRANS -TRANS START ADDRESS	SA000155	
4*	233260.00	233263.53	D0		SVA,JXTEM2,RSIC1 -	SA000156	
5*	233260.40	233476.13	0D		V-I,JXTEM2,JSTACK	SA000157	
6*	233261.00	233266.13	D0		SVA,JXTEM2,RSIC2	SA000158	
7*	233261.40	233476.13	01		LVI,JXTEM2,JSTACK -	SA000159	
8*	233262.00	233454.53	30		SV,JXTEM2,JSTWP -RESET WRITE TO ORIGIN	SA000160	
9*	233262.40	233452.31	80		CM000(BU,3),JSCWD1.25 -	SA000161	
10*	233263.40	233263.51	0D	RSIC1	V-I,JXTEM,\$ - CALC COUNT	SA000162	
11*	233264.00	000024.12	50		LC,JXTEM2,JXTEM - COUNT FOR TRANS + WRITE	SA000163	
12*	233264.40	233264.40	80	233476.12 2C	RTRANS T,JXTEM2,\$,JSTACK-	SA000164	
13*	233265.40	233454.10	30		LV,JXTEM,JSTKP-	SA000165	
14*	233266.00	233266.11	0D	RSIC2	V-I,JXTEM,\$-	SA000166	
15*	233266.40	233454.11	30		SV,JXTEM,JSTKP -RESET STACK POINTER	SA000167	
16*	233267.00	233453.13	10		SX,JXTEM2,JSCWD2 -	SA000168	
17*	233267.40	233271.30	42		BXCZ,\$+1.32 -LEAVE CHAIN OFF,IF COUNT ZERO	SA000169	
18*	233270.00 *	233452.31	80	001000.36 F0	CM1111(BU,1),JSCWD1+.25 -TURN CHAIN BIT ON	SA000170	
19*	233271.00	233454.10	30		LV,JXTEM,JSTKP -STACK POINTER	SA000171	
20*	233271.40	233455.10	80		V+,JXTEM,JMESM -PLUS LENGTH OF LARGEST MESSAGE	SA000172	
21*	233272.00	233666.11	04		KVI,JXTEM,JSTACK+JSIZSW	SA000173	
22*	233272.40	000000.33	41		BZXH,0.0(JXIN1) -IF ROOM FOR NEXT MESSAGE	SA000174	
23*	233273.00	233666.00	80	001000.36 F0	CM1111(BU,1),JWAIT -IF FULL,TURN ON WAIT BIT	SA000175	
24*	233274.00	000000.10	01		B,0.0(JXIN1)	SA000176	
25*				-		SA000177	
26*				-	***** SET UP I/O BOOK KEEPING *****	SA000178	
27*				-		SA000179	
28*				-	LINKAGE...LVI,JXIN1,\$+1.32	SA000180	
29*				-	LVI,JXTEM,I/O ADDRESS	SA000181	
30*				-	B,MSETIC	SA000182	
31*				-	RETURN	SA000183	
32*				-		SA000184	
33*	233274.40	215002.20	30	M SET ID	LV,MXCST,SCHANS -BASE OF CST	SA000185	
34*	233275.00	215006.20	80		V+,MXCST,JCNAD -FORM CST ENTRY	SA000186	
35*	233275.40	215006.20	80		V+,MXCST,JCNAD -ADDRESS	SA000187	
36*	233276.00	000000.22	38		LV,MXUST,C.0(MXCST) -UST ENTRY ADDRESS	SA000188	
37*	233276.40	000000.24	39		LV,MXUAT,0.0(MXUST) -UAT ADDRESS	SA000189	
38*	233277.00	000000.47	89	001000.00 F0	CM000(BU,1),SSEL(MXUST) -SELECT MCP UNIT	SA000190	
39*	233300.00	000001.47	89	001000.36 F0	CM1111(BU,1),SSEL+1.0(MXUST) -UNSELECT PP UNIT	SA000191	
40*	233301.00	000000.32	88	001000.36 F0	CM1111(BU,1),SCHOP(MXCST)	SA000192	
41*	233302.00	000000.37	89	001000.36 F0	CM1111(BU,1),SSETUP(MXUST)	SA000193	
42*	233303.00 *	000000.72	89	001000.36 F0	CM1111(BU,1),SWR(MXUST)	SA000194	
43*	233304.00	233421.13	01		LVI,JXTEM2,MRETAD -SET RETURN	SA000195	
44*	233304.40	000005.13	3A		SV,JXTEM2,SRETAD(MXUAT) -UPON INTERRUPT	SA000196	
45*	233305.00	000000.70	88	003000.00 F0	CM000(BU,3),SUNIT(MXCST)	SA000197	
46*	233306.00	000000.00	84	000000.20 50	L(BU,64),(JXTEM)	SA000198	
47*	233307.00	000004.00	8A	000000.20 D0	ST(BU,64),SIOINS(MXUAT)	SA000199	
48*	233310.00	000000.10	01		B,0.0(JXIN1)	SA000200	
49*				-		SA000201	
50*				-	*****CONSOLE I/O TERMINATION ROUTINE*****	SA000202	
51*				-		SA000203	
52*				-	LINKAGE...LVI,JXIN1,\$+1.0	SA000204	
53*				-	B,JTERM	SA000205	
54*				-	VF,LOC. OF I/O OP OR ZERO IF NOT CURS	SA000206	
55*				-	RETURN,CCW IN \$R	SA000207	
56*				-		SA000208	

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	233310
1*	233310.40	000012.03	02	JTERM	LCI,JXIN1,10.0 -WILL TRY CCW 10 TIMES		SA000209
2*	233311.00	215006.06	30		LV,JXCNSL,JCNAD -GET CONSOLE CHANNEL NUMBER		SA000210
3*	233311.40	000000.00	83		CCW,0.0(JXCNSL),JCWTMP	233322.21 00	SA000211
4*	233312.40	233314.03	44		BZEKJZ,JEKJZ		SA000212
5*	233313.00	233311.02	48		CB,JXIN1,JTERM+.32 -EKJ,TRY AGAIN		SA000213
6*	233313.40	233313.50	00		B,\$ -CONSOLE DOWN,10 EKJS IN A ROW		SA000214
7*	233314.00	233322.00	80	JEKJZ	LF(BU,64),JCWTMP -CW TO \$R	000000.06 70	SA000215
8*	233315.00	740000.00	80		CTI0001(BU,4),(8)740000.0,41 -EPGK,UK,OR EOP ON	404024.43 70	SA000216
9*	233316.00	233325.74	00		BZRZ,JFKCS		SA000217
10*	233316.40	000000.10	31		LV,JXTEM,0.0(JXIN1) -LOCATION OF I/O OP.		SA000218
11*	233317.00 *	233323.31	42		BXVZ,JTERMS		SA000219
12*	233317.40	000000.64	84		BZB,.52(JXTEM),JTERM -IF NOT SEOP,TRY AGAIN	233310.74 00	SA000220
13*	233320.40	000011.30	80		BB,\$R+.24,JTERM -IF SEOP NOT DOWN,TRY AGAIN	233310.74 02	SA000221
14*	233321.40	233325.50	00		B,JFKCS		SA000222
15*	233322.00	000000.00+	000	JCWTMP	XW,0 -STORAGE FOR CCW	000000 000000	SA000223
16*	233323.00	215006.20	30	JTERMS	LV,MXCST,JCNAD		SA000224
17*	233323.40	000030.20	80		V+,MXCST,MXCST		SA000225
18*	233324.00	215002.20	80		V+,MXCST,SCHANS		SA000226
19*	233324.40	000000.32	88		BB,SCHOP(MXCST),JTERM - IF CHANNEL OPERATING	233310.74 02	SA000227
20*	233325.40	000011.27	80	JFKCS	BZB,\$R.23,.32(JXIN1)	000000.74 01	SA000228
21*	233326.40	215006.34	30		LV,\$14,JCNAD		SA000229
22*	233327.00	216272.40	80		SIC,KSTCS		SA000230
23*	233327.40	216267.10	00		B,KCSIN		SA000230
24*	233330.00	233322.00	80		LF(BU),JCWTMP	000000.06 70	SA000231
25*	233331.00	233666.00	80		CM1111(BU,1),JWAIT	001000.36 F0	SA000232
26*	233332.00	000000.50	01		B,.32(JXIN1)		SA000233
27*				-			SA000234
28*				-	*****RELEASE CONSOLE ROUTINE*****		SA000235
29*				-			SA000236
30*				-	LINKAGE...LVI,JXIN2,\$+1.0		SA000237
31*				-	B,JRELCN		SA000238
32*				-	RETURN,CONSOLE RELEASED		SA000239
33*				-			SA000240
34*	233332.40 *	000012.05	02	JRELCN	LCI,JXIN2,10.0 -WILL TRY REL 10 TIMES		SA000241
35*	233333.00	000000.00	83		REL(SEOP),0.0(JXCNSL) -INDEX HAS CONSOLE CHANNEL NO.	000000.33 00	SA000242
36*	233334.00	233335.43	44		BZEKJZ,JNOEKJ		SA000243
37*	233334.40	233333.04	48		CB,JXIN2,JRELCN+.32		SA000244
38*	233335.00	233335.10	00		B,\$ -CONSOLE DOWN,10 EKJS IN A ROW		SA000245
39*	233335.40	233336.43	01	JNOEKJ	LVI,JXIN1,\$+1.0 -TEST FOR COMPLETION		SA000246
40*	233336.00	233310.50	00		B,JTERM		SA000247
41*	233336.40	233333.00+			VF,JRELCN+.32		SA000248
42*	233337.00	000000.10	02		B,0.0(JXIN2) -EXIT		SA000249
43*				-			SA000250
44*				-	*****CONSOLE I/O ACCEPTANCE ROUTINE*****		SA000251
45*				-			SA000252
46*				-	LINKAGE...LVI,JXIN1,\$+1.0		SA000253
47*				-	B,JIOGO		SA000254
48*				-	PRESET I/O COMMAND		SA000255
49*				-	RETURN CBJ		SA000256
50*				-	RETURN IF ACCEPTED		SA000257
51*				-			SA000258
52*	233337.40	000000.00	81	JIOGO	LF(BU,64),0.0(JXIN1) -PICK UP I/O COM.	000000.06 70	SA000259

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	233340
1*	233340.40	233342.40	80		SF(BU,64),JIONST		SA000261
2*	233341.40	000012.11	02	JNRED	LCI,JXTEM,10.0		SA000262
3*	233342.00	000012.03	02		LCI,JXIN1,10.0		SA000263
4*	233342.40	000000.30	00	JICNST	NOP	-PRESET TO I/O INST.	SA000264
5*	233343.00	000000.30	00		NCP		SA000265
6*	233343.40	233345.03	44		BZEKJZ,JTUNR		SA000266
7*	233344.00	233342.42	48		CB,JXIN1,JIONST	-IF EKJ,TRY AGAIN	SA000267
8*	233344.40	233344.50	00		B,\$	-CONSOLE DOWN,EKJ 10 IN A ROW	SA000268
9*	233345.00	233341.43	06	JTUNR	BUNRJZ,JNRED	-INFINITE LOOP IF UNRJ	SA000269
10*	233345.40	000001.44	45		BZCBJZ,1.32(JXIN1)		SA000270
11*	233346.00 *	233342.10	48		CB,JXTEM,JNRED+.32		SA000271
12*	233346.40	000001.10	01		B,1.0(JXIN1)	-GIVE CBJ RETURN	SA000272
13*				-			SA000273
14*				-	***** STACK INTERRUPTS (COMMENTATOR) *****		SA000274
15*				-			SA000275
16*				-	LINKAGE...LVI,MXIN1,\$+1.0		SA000276
17*				-	B,MSTACK		SA000277
18*				-	RETURN		SA000278
19*				-			SA000279
20*	233347.00	233350.17	01	M STACK	LVI,MXIN2,\$+1.0	-COMPUTE I/O TABLE	SA000280
21*	233347.40	233413.50	00		B,MTABLE	-ENTRY ADDRESSES	SA000281
22*	233350.00	000000.37	89		BZB,SSETUP(MXUST),MSTKGO	- IF NO SETUP	SA000282
23*	233351.00	216644.01	01		LVI,\$0,PCONE2		SA000283
24*	233351.40	000005.00	9A		KV,\$0,SRETAD(MXUAT)		SA000284
25*	233352.00	233357.32	00		BZXE,MSTKGO		SA000285
26*	233352.40	216257.00	80		ST(BU),KCOMCW	-MUST BE CONCEPTORS	SA000286
27*	233353.40	216242.23	80		CMOC00(BU,1),JKSUPB	-FORCE KSUPP TO TAKE EOP	SA000287
28*	233354.40	216250.23	80		CM1111(BU,1),KCONCP.19		SA000288
29*	233355.40	233666.00	80		CM1111(BU,1),JWAIT		SA000289
30*	233356.40	000000.10	06		B,0.0(MXIN1)	- EXIT	SA000290
31*	233357.00	000000.32	88	MSTKGO	CMOC00(BU,1),SCHOP(MXCST)		SA000291
32*	233360.00	000011.27	80		CMOC00(BU,1),\$R+.23		SA000292
33*	233361.00 *	000000.75	89		BBZ,SREL(MXUST),MREL1		SA000293
34*	233362.00	000004.00	88		ST(BU,0),SCCW(MXFAT)	-SAVE COPIED CTLWD	SA000294
35*	233363.00	000000.56	89		BBZ,SSEOP(MXUST),MSEOP		SA000295
36*	233364.00	000001.11	88	M SEOP B	ST(BU,5),SIOIND(MXFAT),40	-SAVE I/O IND	SA000296
37*	233365.00	215021.31	01		LVI,MXSTK,SPROGS		SA000297
38*	233365.40	000000.50	3C		LV,JXTEM,SQK(MXSTK)	-GET TOTAL	SA000298
39*	233366.00	000001.50	8C		V+,JXTEM,SQK+1.0(MXSTK)	-QUEUE COUNT	SA000299
40*	233366.40	000000.70	88		CMOC00(BU,3),SUNIT(MXCST)		SA000300
41*	233367.40	000000.36	89		CM1111(BU,1),SUNSUP(MXUST)		SA000301
42*	233370.40	000177.11	04		KVI,JXTEM,127.0	-IS QUEUE FULL	SA000302
43*	233371.00	216313.33	42		BXH,CQ2BIG		SA000303
44*	233371.40	215466.32	30		LV,MXCUMQ,SCUMQ	-GET NEXT STACK LOCATION	SA000304
45*	233372.00	000010.27	30		SV,MXFAT,\$L	-COMPUTE ENTRY	SA000305
46*	233372.40	000000.40	89		LF(BU,1),SOWNER(MXUST),-19	-TO BE STACKED	SA000306
47*	233373.40	233374.74	02		BRZ,\$+1.0	-MCP OR PP ENTRY	SA000307
48*	233374.00	000001.31	05		V+I,MXSTK,1.0	-MCP ENTRY	SA000308
49*	233374.40 *	000000.23	8D		ST(V+I)(BU,19),.19(MXCUMQ),-19	-STACK	SA000309
50*	233375.40	215466.33	30		SV,MXCUMQ,SCUMQ	-RESET NEXT STACK LCC.	SA000310

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	233376
1*	233376.00	216246.65 D0		SVA,MXUAT,KCOMMR		SA000312
2*	233376.40	000000.40 8C	022000.22 8C	M+1(BU,18),SQK(MXSTK) -INCREMENT PROPER Q COUNT		SA000313
3*	233377.40	233666.03 80	001000.36 F0	CM1111(BU,1),JSTKBT -TURN ON STACK BIT		SA000314
4*	233400.40	000000.71 89	005000.00 F0	M SKIP CM0000(BU,5),S RD(MXUST) -CLEAR STATUS BITS		SA000315
5*	233401.40	000000.10 06		B,0.0(MXIN1) -EXIT		SA000316
6*	233402.00	000004.22 0B		M REL 1 Z,SCCW(MXFAT)		SA000317
7*	233402.40	000000.37 89	001000.00 F0	CM0000(BU,1),SSETUP(MXUST)		SA000318
8*	233403.40	000001.11 8B	005000.00 F0	CM0000(BU,5),SIOIND(MXFAT)		SA000319
9*	233404.40	000011.22 00		Z,\$R		SA000320
10*	233405.00	000000.56 89	233400.74 06	BBZ,SSEOP(MXUST),MSKIP		SA000321
11*	233406.00	000011.26 80	001000.36 F0	CM1111(BU,1),\$R+.22		SA000322
12*	233407.00	000004.26 8B	001000.36 F0	CM1111(BU,1),SCCW+.22(MXFAT)		SA000323
13*	233410.00	233364.10 00		B,MSEOPB		SA000324
14*	233410.40 *	700000.00 80	403025.03 70	M SEOP CTIC001(BU,3),(8)700000.0,42 -EPGK,UK,OR EE ON		SA000325
15*	233411.40	233364.34 C0		BZRZ,MSEOPB		SA000326
16*	233412.00	000004.26 8B	003000.00 F0	CM0000(BU,3),SCCW+.22(MXFAT)		SA000327
17*	233413.00	233400.50 00		B,MSKIP		SA000328
18*				-		SA000329
19*				-	*****COMPUTE TABLE ENTRIES*****	SA000330
20*				-		SA000331
21*				-	LINKAGE...LVI,MXIN2,\$+1.0	SA000332
22*				-	B,M TABLE	SA000333
23*				-	RETURN	SA000334
24*				-		SA000335
25*	233413.40	215006.20 30		MTABLE LV,MXCST,JCNAD -GET CHANNEL ADDRESS		SA000336
26*	233414.00	000030.20 80		V+,MXCST,MXCST -COMPUTE CST		SA000337
27*	233414.40	215002.20 80		V+,MXCST,SCHANS -ENTRY ADDRESS		SA000338
28*	233415.00	000000.22 38		LV,MXUST,0.0(MXCST) -COMPUTE MCP UST ADDRESS		SA000339
29*	233415.40	000000.70 88	003000.07 70	CTOC11(BU,3),SUNIT(MXCST) -WHO OWNS THE UNIT NOW		SA000340
30*	233416.40	233417.74 C2		BRZ,\$+1.0 -MCP IF BRANCH		SA000341
31*	233417.00	000001.23 05		V+I,MXUST,1.0 -PP UST ADDRESS		SA000342
32*	233417.40	000000.24 39		LV,MXUAT,0.0(MXUST) -COMPUTE UNIT AREA TABLE ADDRESS		SA000343
33*	233420.00	000003.26 3A		LV,MXFAT,SFIAAC(MXUAT) -COMPUTE FILE AREA TABLE ADDRESS		SA000344
34*	233420.40	000000.10 07		B,0.0(MXIN2) -EXIT		SA000345
35*				-		SA000346
36*				-	***** SETUP RETURN FOR COMMENTATOR *****	SA000347
37*				-		SA000348
38*	233421.00	233666.02 80	001000.36 F0	M RET AD CM1111(BU,1),JRECEP -SET RECEPTOR ENTRY BIT		SA000349
39*	233422.00	000012.11 02		LCI,JXTEM,10 -CCW AT MOST 10 TIMES		SA000350
40*	233422.40	000005.12 30		LV,JXTEM2,\$CA -GET CONSOLE CHANNEL		SA000351
41*	233423.00	000000.00 85	233451.21 00	MCCOPY CCW,0.0(JXTEM2),MCCWD		SA000352
42*	233424.00 *	233443.43 46		BEKJZ,MTRY		SA000353
43*	233424.40	233425.57 01		M FIXUP LVI,MXIN2,\$+1.0 -COMPUTE I/O TABLES		SA000354
44*	233425.00	233413.50 00		B,MTABLE -ENTRY ADDRESSES		SA000355
45*	233425.40	233451.23 80	002000.07 70	CTO011(BU,2),MCCWD+.19 -CHECK EPGK + UK		SA000356
46*	233426.40	233444.74 C0		M CHK B BZRZ,MCHECK -EPGK OR UK ON IF BRANCH		SA000357
47*	233427.00	233444.51 01		LVI,JXTEM,MCHECK -RESET EPGK + UK EXIT		SA000358
48*	233427.40	233426.51 00		SVA,JXTEM,MCHKB -IF BOTH ARE OFF		SA000359
49*	233430.00	233451.31 80	233433.74 02	M CHK R BB,MCCWD+.25,MASTOR -SHOULD WRITE POINTER BE RESET		SA000360
50*	233431.00	233451.10 30		LV,JXTEM,MCCWD -YES		SA000361

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	233431
1*	233431.40	000024.22 80	007000.CO FO	CMOC00(BU,7),JXTEM+.18		SA000363
2*	233432.40	000002.11 0D		V-I,JXTEM,2.0	-REDUCE CW BY 2.0	SA000364
3*	233433.00	233454.51 30		SV,JXTEM,JSTWP	-RESET WRITE POINTER	SA000365
4*	233433.40	233666.C4 80	001000.CO FC	MASTOR CMOC00(BU,1),JIOBSY	-MAKE \$CCMM NOT BUSY	SA000366
5*	233434.40	000000.32 88	001000.CO FO	CMOC00(BU,1),SCHOP(MXCST)		SA000367
6*	233435.40	000000.37 89	001000.CO FO	CMOC00(BU,1),SSETUP(MXUST)		SA000368
7*	233436.40	000000.72 89	001000.00 FO	CMOC00(BU,1),SWR(MXUST)		SA000369
8*	233437.40 *	233454.10 90		KV,JXTEM,JSTKP	-IS STACK EMPTY	SA000370
9*	233440.00	233176.32 C0		BZXE,MCTL	-NO, IF BRANCH	SA000371
10*	233440.40	233476.11 01		LVI,JXTEM,JSTACK		SA000372
11*	233441.00	233666.00 80	001000.CO FC	CMOC00(BU,1),JWAIT		SA000373
12*	233442.00	233454.11 30		SV,JXTEM,JSTKP	-RESET STACK	SA000374
13*	233442.40	233454.51 30		SV,JXTEM,JSTWP	-AND WRITE POINTERS	SA000375
14*	233443.00	233205.50 00		B,JEXITD	-EXIT	SA000376
15*	233443.40	233423.10 48	M TRY	CB,JXTEM,MCCOPY		SA000377
16*	233444.CO	233444.10 C0		B,\$	-CONSOLE DOWN	SA000378
17*						SA000379
18*					*****EPGK AND UK FIXUPS FOR COMMENTATOR *****	SA000380
19*						SA000381
20*	233444.40	000012.11 02	M CHECK	LCI,JXTEM,10	-RETRY 10 TIMES	SA000382
21*	233445.00	233455.51 50		SC,JXTEM,MCTR		SA000383
22*	233445.40	233446.51 01		LVI,JXTEM,MCHK1	-SET NEW FIXUP ENTRY	SA000384
23*	233446.00	233426.51 D0		SVA,JXTEM,MCHKB	-FOR COUNTING	SA000385
24*	233446.40	233455.50 50	M CHK 1	LC,JXTEM,MCTR		SA000386
25*	233447.00	000001.11 08		C-I,JXTEM,1.0		SA000387
26*	233447.40	233455.51 50		SC,JXTEM,MCTR		SA000388
27*	233450.00	233430.30 40		BZXCZ,MCHKR		SA000389
28*	233450.40	233450.50 C0		B,\$		SA000390
29*						SA000391
30*					***** MISCELLANEOUS COMMENTATOR SYMBOLS *****	SA000392
31*						SA000393
32*	233451.00	000000.00+ 000 000000 000000	M CCWD	XW,C		SA000394
33*	233452.00	232630.00+ 000 000003 233453	JSCWD1	XW,SLITES,3.0,JSCWD2	-LIGHTS CONTROL WORD	SA000395
34*	233453.00 *	000000.00+ 000 000000 000000	JSCWD2	XW,C	-2ND CONTROL WORD	SA000396
35*	233454.00	233476.00+	JSTKP	VF,JSTACK	-STACK POINTER	SA000397
36*	233454.40	233476.00+	JSTWP	VF,JSTACK	-WRITE POINTER	SA000398
37*	233455.00	000012.30+	JMESM	VF,10.24	-MAX MESSAGE SIZE	SA000399
38*	233455.40	000000.00+	M CTR	VF,0	-COUNTER FOR UK AND EPGK ON COMMENTATOR	SA000400
39*	233456.00 *	000020.00	JDEXRG	DR(N),(16)	-SAVE INDEX REGS.	SA000401
40*	232630.00+	+00000000	SLITES	BU,100,10 SYN,POROUT	-CONSOLE DISPLAY LITES	SA000402
41*	233476.00	000170.00	JSTACK	DR(N),(JSIZS)	-STACK	SA000403
42*	233666.00		0 JWAIT	DD(BU,1),0		SA000404
43*	233666.01		0 JIF	DD(BU,1),0		SA000405
44*	233666.02		0 JRECEP	DD(BU,1),0		SA000406
45*	233666.03		0 JSTKBT	DD(BU,1),0		SA000407
46*	233666.04		0 JIOBSY	DD(BU,1),0	-I/C BUSY IF EQUAL TO 0	SA000408
47*	000021.00+	+00000000	BU,100,10	JXIN 1 SYN,\$1	-CLASS 1 SUBROUTINE INDEX	SA000409
48*	000022.00+	+00000000	BU,100,10	JXIN 2 SYN,\$2	-CLASS 2 SUBROUTINE INDEX	SA000410
49*	000023.00+	+00000000	BU,100,10	JXCNSL SYN,\$3	-INDEX CONTAINING CHAN. NO.	SA000411
50*	000024.00+	+00000000	BU,100,10	JXTEM SYN,\$4	-TEMPORARY INDEX	SA000412

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	000025
1*	000025.00+	+00000000	BU,100,10	JXTEM 2 SYN,\$5	-TEMP INDEX	SA000414
2*	000026.00+	+00000000	BU,100,10	MXIN 1 SYN,\$6	-SUBROUTINE INDEX	SA000415
3*	000027.00+	+00000000	BU,100,10	MXIN 2 SYN,\$7	-SUBROUTINE INDEX	SA000416
4*	000030.00+	+00000000	BU,100,10	MXCST SYN,\$8		SA000417
5*	000031.00+	+00000000	BU,100,10	MXUST SYN,\$9		SA000418
6*	000032.00+	+00000000	BU,100,10	MXUAT SYN,\$10		SA000419
7*	000033.00+	+00000000	BU,100,10	MXFAT SYN,\$11		SA000420
8*	000034.00+	+00000000	BU,100,10	MXSTK SYN,\$12		SA000421
9*	000035.00+	+00000000	BU,100,10	MXCUMQ SYN,\$13		SA000422
10*	000000.00+	+00000170	NULL	J SIZS SYN,120	-LENGTH OF STACK	SA000423
11*	000170.00+	+00000000	NULL	J SIZSW SYN,120.0	-LENGTH OF STACK IN WORDS	SA000424
12*	215006.00+	+00000000	B ,31 ,01	J CNAD SYN,SYCOCH		SA000425
13*	216242.23+	+00000000	BU,40 ,10	J KSUPB SYN,KSUPP.19	-BRANCH IN KSUPP	SA000426

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*					- *****	SB000001
2*					- ***** DISK FETCH *****	SB000002
3*					- *****	SB000003
4*	233666.05 *				SLC, \$	SB000004
5*	233666.40	000000.30	00		CNOP	SB000005
6*	233667.00			46000522000000	XTENTB DD(BU,45),(8)46000522000000	SB000006
7*					EXT(0,18)	SB000007
8*	233667.55			0467574	B, C FETCH	SB000007
9*	233670.00 *	000006.00			DRZ(BU,64), (6)	SB000008
10*	233676.00	233667.04	80	233677.74 02	C FETCH BB,XTENTB+.4,\$+1.32 - SET MAJOR PACKAGE BUFFER	SB000009
11*	233677.00	231164.22	00		Z,YMP SAV	SB000010
12*	233677.40	000020.00	80	234363.26 AC	TI,11, \$0, C LR -SAVE LOWER REGISTERS	SB000011
13*	233700.40	233701.25	80	234165.34 06	C SCNOP BBZ, \$ + 0.53, C NDX F -BRANCH AND RESET TO SIC,NOP	SB000012
14*	233701.40	233673.03	80		LVE,1, X TENTB + 4.0	SB000013
15*	233702.00	234211.03	30		SV,1, C BETA	SB000014
16*	233702.40	233673.43	80		LVE,1, X TENTB + 4.32	SB000015
17*	233703.00	234211.43	30		SV,1, C GAMMA	SB000016
18*	233703.40	233674.03	80		LVE,1, X TENTB + 5.0	SB000017
19*	233704.00	234213.43	30		SV,1, C DELTA -SAVE ORIGINAL VALUE OF N IN C DELTA	SB000018
20*	233704.40	234212.03	30		SV,1, C N	SB000019
21*	233705.00	233672.00	80	060050.20 50	L(BU,48), CS ARTY, -48 -IS THIS A REQUEST FOR THE SAME	SB000020
22*	233706.00	234220.00	80	060050.21 10	K(BU,48), C FOT, -48 -TYPE-AREA AS LAST TIME	SB000021
23*	233707.00	234044.36	02		BAE, C FAST -IF SO, GO TO C FAST	SB000022
24*	233707.40	234212.42	30		LV,1, X NFOST	SB000023
25*	233710.00	233710.50	01		B, \$+0.32(\$1)	SB000024
26*	233710.40	233724.50	00		B, X NDX LK -INDEX SEARCH	SB000025
27*	233711.00 *	233716.10	00		B, X DIC LK -DICTIONARY SEARCH	SB000026
28*	233711.40	233712.50	00		B, X MAP LK -BUFFER MAP SEARCH	SB000027
29*	233712.00	233724.50	00		B, X NDX LK -INDEX SEARCH	SB000028
30*	233712.40	233672.06	10		X MAP LK LX,3, CS ARTY	SB000029
31*	233713.00	234272.13	01		LVI,5, C BF MAP -IS CS ARTY IN BUFFER MAP	SB000029
32*	233713.40	234216.12	50		LC,5, CNT BUF	SB000030
33*	233714.00	234156.00	80		SIC, X GOBAK	SB000031
34*	233714.40	234150.10	00		B, X 2WD LK	SB000031
35*	233715.00	233724.71	42		BXVZ, X NDX LK -IF IT ISN,T, GO TO INDEX SEARCH	SB000032
36*	233715.40	234042.10	00		B, C BUFT -IF IT IS, GO TO C BUFT	SB000033
37*	233716.00	233672.06	10		X DIC LK LX,3, CS ARTY -SEE IF CS ARTY IS IN THE	SB000034
38*	233716.40	235464.06	90		KV,3, C DSK BF	SB000035
39*	233717.00	233724.72	42		BXL, X NDX LK	SB000036
40*	233717.40	000000.07	04		KVI,3, 0.0	SB000037
41*	233720.00	233721.72	02		BXE, \$ + 1.32	SB000038
42*	233720.40	236462.06	90		KV,3, C DSK BF+ 510.0	SB000039
43*	233721.00	233724.73	42		BXH, X NDX LK	SB000040

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	233721
1*	233721.40	235464.13	01		LVI,5, C DSK BF	-DICTIONARY ARC IN THE BUFFER	SB000042
2*	233722.00	000400.13	02		LCI,5, 256		SB000043
3*	233722.40	234156.00	80		SIC, X GOBAK		SB000044
4*	233723.00	234150.10	00		B, X 2WD LK		SB000044
5*	233723.40	233724.71	42		BXVZ, X NDX LK	-IF NOT, GO TO INDEX SEARCH	SB000045
6*	233724.00	233753.50	00		B, XCPT RD	-IF IT IS, GO TO XCPT RD	SB000046
7*	233724.40	233672.00	80	014072.20 50	X NDX LK L(BU,12), CS ARTY, -12	-INDEX SEARCH	SB000047
8*	233725.40	000010.06	30		LV,3, \$L	-SET UP PARAMETERS FOR	SB000048
9*	233726.00	234222.05	01		LVI,2, C INDEX	-BINARY SEARCH OF INDEX	SB000049
10*	233726.40	000050.13	01		LVI,5,40.C		SB000050
11*	233727.00	234140.40	80		SIC,X GOBK		SB000051
12*	233727.40	234144.50	00		B,X SQ SCH		SB000051
12*	233730.00	234076.31	42		BXVZ, C URD	-TYPE NOT IN INDEX	SB000052
14*	233730.40	234215.53	30		SV,5, C NDX AD	-VF \$5 ADDRESSES INDEX ENTRY FOR TYPE	SB000053
15*	233731.00	000000.40	85	014067.20 50	L(BU,12), 0.32(\$5), -18	-SET ARC ADDRESS IN CALLING SEQ	SB000054
16*	233732.00	233734.40	80	022067.20 DC	ST(BU,18), \$+ 2.32, -18		SB000055
17*	233733.00	000040.10	00		B, D MCP	-LOCATE ARC A(TAWA)	SB000056
18*	233733.40	000003.01	80		, D LOCS		SB000057
19*	233734.00	000001.00	80		, PROSA		SB000058
20*	233734.40	000000.00	80		, C		SB000059
21*	233735.00	234214.00	80	014067.12 FO	SF(BU,12),CBUFF,-18		SB000060
22*	233736.00	234402.00	80	022067.20 DO	ST(BU,18),CLUK,-18		SB000061
23*	233737.00	234207.00	80	234416.02 AO	TI,1,CWDC RD, CW RD	-READ AN ARC OF THE DICT INTO	SB000062
24*	233740.00	234164.00	80		SIC,CRDBR		SB000063
25*	233740.40	234157.10	00		B,C READ	-BUFFER WHEN CS ARTY NOT FOUND IN	SB000063
26*	233741.00	234210.00	80	233741.34 02	BB,ADSKRD,\$	-BF MAP	SB000064
27*	233742.00	000000.43	01		LVI,1,1		SB000065
28*	233742.40	234212.43	30		SV,1, X NFOST		SB000065
29*	233743.00	234215.42	30		LV,1, C NDX AD		SB000066
30*	233743.40	000000.54	81	011067.20 50	C RODE L(BU,9), 0.44(\$1), -18	-SEARCH FOR CS ARTY AMONG THE DICT	SB000067
31*	233744.40	000010.12	30		LV,5,\$L	-ENTRIES FOR THE GIVEN TYPE	SB000068
32*	233745.00	000001.54	81	011067.20 50	L(BU,9), 1.44(\$1), -18		SB000069
33*	233746.00	234060.34	C2		BRZ, C NARK		SB000070
34*	233746.40	000010.14	30		LV,6,\$L		SB000070
35*	233747.00	000026.30	80	001000.36 FO	CM1111(BU,1),\$6.24		SB000071
36*	233750.00	000025.14	80		V+,6,\$5		SB000072
37*	233750.40	000026.12	50		LC,5, \$6		SB000072
38*	233751.00	235464.13	05		V+I,5, C DSK BF		SB000073
39*	233751.40	233672.06	10		LX,3, CS ARTY		SB000073
40*	233752.00	234156.00	80		SIC, X GOBAK		SB000074
41*	233752.40	234150.10	00		B, X 2WD LK		SB000074
42*	233753.00	234076.31	42		BXVZ, C URD	-BRANCH IF CS ARTY NOT IN DICT	SB000075
43*	233753.40	234215.13	30		XCPT RD SV,5, C DICT	-SAVE ADDRESS OF DICTIONARY ENTRY	SB000076
44*	233754.00	000000.10	15		LX,4,0.0(\$5)		SB000077
45*	233754.40	234220.11	10		SX,4, C FOT -FORM C FOT		SB000077
46*	233755.00	000001.10	15		LX,4, 1.0(\$5)		SB000078
47*	233755.40	234221.11	10		SX,4, C FOT + 1.0		SB000078
48*	233756.00	000010.11	30		SV,4, \$L		SB000079
49*	233756.40	234211.00	80	022065.60 10	+(BU,18), C BETA, -21	-BETA PLUS ARC-WORD IS ALPHA	SB000080
50*	233757.40	233762.06	80	014072.20 DO	ST(BU,12), \$ + 2.38, -12	-SET ARC ADDRESS IN CALL SEQ	SB000081
51*	233760.40	000040.10	00		B, D MCP		SB000082

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	233761
1*	233761.00	000003.01	80		, D LOCS		SB000084
2*	233761.40	000001.00	80		, PROSA		SB000085
3*	233762.00	000000.00	80		, C		SB000086
4*	233762.40	234214.00	80	014072.12	FC SF(BU,12),CBUFF,-12		SB000087
5*	233763.40	234402.06	80	014072.20	DC ST(BU,12),CLUK+.06,-12		SB000088
6*	233764.40	234213.00	80	025065.60	DC ST(BU,21), C ALPHA, -21		SB000089
7*	233765.40	000000.00	80	411065.63	10 KFI(BU,9), 0, -21		SB000090
8*	233766.40	234067.36	C2		BAE, C ALFZE	-BRANCH IF W(ALPHA IS ZERO	SB000091
9*	233767.00	* 000025.14	30		LV,6,\$5		SB000092
10*	233767.40	000025.16	30		LV,7,\$5		SB000092
11*	233770.00	000001.00	85	014072.20	50 L(BU,12), 1.0(\$5), -12		SB000093
12*	233771.00	235464.15	04		X TO LK KVI,6, C DSK BF	-LOOK FOR FIRST ENTRY IN BUFFER	SB000094
13*	233771.40	233774.72	C2		BXE, X FRO LK	-WITH ARC ADDRESS DIFFERING	SB000095
14*	233772.00	000002.15	0D		V-1,6,2.0	-FROM THAT IN ARC FIELD	SB000096
15*	233772.40	000001.00	86	014072.21	10 K(BU,12), 1.0(\$6), -12	-ADDRESSED BY 1.0(\$5)	SB000097
16*	233773.40	233771.36	C2		BAE, X TO LK		SB000098
17*	233774.00	000002.15	05		V+1,6, 2.0		SB000099
18*	233774.40	236462.17	04		X FRO LK KVI,7, C DSK BF + 510.0		SB000100
19*	233775.00	233777.72	C2		BXE, XIT		SB000101
20*	233775.40	000002.17	05		V+1,7,2.0		SB000102
21*	233776.00	000001.00	87	014072.21	10 K(BU,12), 1.0(\$7), -12		SB000103
22*	233777.00	233774.76	C2		BAE, X FRO LK		SB000104
23*	233777.40	234000.15	D0		XIT SVA,6,\$+0.32		SB000105
24*	234000.00	234000.15	09		LVNI,6,\$		SB000105
25*	234000.40	000026.16	80		V+,7, \$6		SB000106
26*	234001.00	000050.17	04		KVI,7, 40.0		SB000107
27*	234001.40	234130.73	42		BXH, X LIMIT		SB000107
28*	234002.00	000010.17	30		SV,7,\$L		SB000108
29*	234002.40	* 234216.01	80	021067.60	D0 ST(BU,17), CNT BUF + 0.01, -17		SB000109
30*	234003.40	000027.14	50		LC,6, \$7		SB000110
31*	234004.00	000026.30	80	001000.00	FO CMOC00(BU,10), \$6 + 0.24		SB000111
32*	234005.00	000000.00	86	234272.14	20 X TRAN T, \$6, 0.0(\$6), C BF MAP		SB000112
33*	234006.00	000001.03	01		LVI,1,2		SB000113
34*	234006.40	234130.00	80		C PRERD SIC, CHEKT		SB000114
35*	234007.00	234102.10	C0		B, CHK PAR		SB000114
36*	234007.40	234207.00	80	234416.02	AC TI,1,CW DC RD,CW RD	-FETCH ONE ARC OF INFORMATION	SB000115
37*	234010.40	234164.00	80		SIC,C RD BR		SB000116
38*	234011.00	234157.10	00		B, CREAD	-INTO BUFFER	SB000116
39*	234011.40	234213.14	80	011067.30	50 C INTER LN(BU,9), C ALPHA + 0.12, -18		SB000117
40*	234012.40	000010.16	30		LV,7,\$L		SB000118
41*	234013.00	235464.17	05		V+I,7, C DSK BF -VF\$7 HOLDS C DSK BF + W(ALPHA)		SB000118
42*	234013.40	001000.00	80	422067.20	10 +I(BU,18), 512, -18	-VF\$6 HOLDS 512 - W(ALPHA)	SB000119
43*	234014.40	000010.14	30		LV,6,\$L		SB000120
44*	234015.00	234210.00	80	234015.34	02 BB,A DSK RD,\$		SB000121
45*	234016.00	* 234212.43	30		SV,1,X N FOST		SB000122
46*	234016.40	234213.54	90		KV,6, C DELTA	-IS N LESS THAN 512 - W(ALPHA)	SB000123
47*	234017.00	234075.32	40		BZXL, C SET J	-BRANCH IF IT IS	SB000124
48*	234017.40	000026.20	30		LV,8,\$6		SB000125
49*	234020.00	234211.60	80		V+,8, C GAMMA	-GAMMA + 512 - W(ALPH) IN VF \$8	SB000125
50*	234020.40	234213.62	30		LV,9, C DELTA		SB000126
51*	234021.00	234021.55	D0		SVA,6, \$+0.32 -N - 512 + W(ALPHA) IN CF\$8		SB000126

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	234021
1*	234021.40	000000.23	00		V-I,9, C.0		SB000128
2*	234022.00	000031.20	50		LC,8,\$9		SB000129
3*	234022.40	000000.20	70		LR,8,\$Z -CLEAR RF \$8		SB000129
4*	234023.00	234217.21	10		SX,8, CW DISK		SB000130
5*	234023.40	234402.00	80	022000.22	BC M+1(BU,18),CLUK		SB000131
6*	234024.40	234217.00	80	234416.C2	AO TI,1,CWDISK,CWRD		SB000132
7*	234025.40	234205.40	80	001000.36	FO CM1111,YNRBIT		SB000133
8*	234026.40	000026.14	50		LC,6, \$6		SB000134
9*	234027.00	234031.30	42		BXCZ,\$+2.0		SB000135
10*	234027.40	234211.60	30		C T LV,8, C GAMMA		SB000136
11*	234030.00	000000.00	87	000000.14	28 T, \$6, C.0(\$7), 0.0(\$8)		SB000137
12*	234031.00	234212.02	30		LV,1,CN		SB000138
13*	234031.40	* 234205.40	80	234034.74	04 BZBZ,YNRBIT,\$+3.0		SB000139
14*	234032.40	234164.00	80		SIC,CRDBR		SB000140
15*	234033.00	234157.10	00		B,CREAD		SB000140
16*	234033.40	234210.00	80	234033.74	02 BB,ADSKRD,\$		SB000140
17*	234034.40	000000.03	04		KVI,1,0		SB000141
18*	234035.00	234037.32	C2		BXE, X RETN - 1.0		SB000142
19*	234035.40	234213.42	30		LV,1, C DELTA		SB000143
20*	234036.00	234212.02	90		KV,1, C N		SB000143
21*	234036.40	234040.32	C2		BXE, X RETN		SB000144
22*	234037.00	234213.44	30		LV,2, C DELTA		SB000145
23*	234037.40	233674.45	30		SV,2, C N PRIM		SB000145
24*	234040.00	234363.00	80	000020.26	AO XRETN TI,11,C LR,\$0		SB000146
25*	234041.00	000040.10	00		B, D MCP		SB000147
26*	234041.40	000041.00	80		, S D RET		SB000148
27*	234042.00	000000.06	15		C BUFT LX,3, 0.0(\$5)		SB000149
28*	234042.40	234220.07	10		SX,3, C FOT		SB000149
29*	234043.00	000001.06	15		LX,3, 1.0(\$5)		SB000150
30*	234043.40	234221.07	10		SX,3, C FOT + 1.0		SB000150
31*	234044.00	234221.00	80	025065.60	50 C FAST L(BU,21), C FOT + 1.0, -21		SB000151
32*	234045.00	* 234211.00	80	022065.60	10 +(BU,18), C BETA, -21		SB000152
33*	234046.00	234213.00	80	025065.60	D0 ST(BU,21), C ALPHA, -21		SB000153
34*	234047.00	234214.00	80	014072.23	10 KF(BU,12),CBUFF,-12		SB000154
35*	234050.00	234061.36	C2		BAE, C NOLOC		SB000155
36*	234050.40	000000.00	80	411065.63	10 KFI(BU,9), 0, -21		SB000156
37*	234051.40	234063.36	C2		BAE, X LC ALF		SB000157
38*	234052.00	234054.46	80	014072.20	D0 ST(BU,12), \$ + 2.38, -12		SB000158
39*	234053.00	000040.10	00		B, D MCP		SB000159
40*	234053.40	000003.01	80		,D LOCS		SB000160
41*	234054.00	000001.00	80		, PROSA		SB000161
42*	234054.40	000000.00	80		, C		SB000162
43*	234055.00	234214.00	80	014072.12	FO SF(BU,12),CBUFF,-12		SB000163
44*	234056.00	234402.06	80	014072.20	D0 ST(BU,12),CLUK+.06,-12		SB000164
45*	234057.00	000001.43	01		LVI,1,3		SB000165
46*	234057.40	234006.50	00		B, C PRERD		SB000166
47*	234060.00	000776.15	01		C NARK LVI,6, 510.0		SB000167
48*	234060.40	* 233747.10	00		B, C RODE + 3.32		SB000167
49*	234061.00	234130.00	80		C NOLOC SIC, CHEKT		SB000168
50*	234061.40	234102.10	00		B, CHK PAR		SB000168

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LCCATION	234062
1*	234062.00	000001.03	01		LVI,\$1,1.		SB000170
2*	234062.40	234011.50	00		B,CINTER		SB000171
3*	234063.00	234065.46	80	014072.20 D0	X LC ALF ST(BU,12), \$ + 2.38, -12		SB000172
4*	234064.00	000040.10	00		B, D MCP		SB000173
5*	234064.40	000003.01	80		, C LOCS		SB000174
6*	234065.00	000001.00	80		, PRCSA		SB000175
7*	234065.40	000000.00	80		, 0		SB000176
8*	234066.00	234402.06	80	014072.20 D0	ST(BU,12),CLUK+.06,-12		SB000177
9*	234067.00	234130.00	80	C ALFZE	SIC, CHEKT		SB000178
10*	234067.40	234102.10	00		B, CHK PAR		SB000178
11*	234070.00	234211.50	30		LV,4, C GAMMA		SB000179
12*	234070.40	234213.50	50		LC,4, C DELTA		SB000179
13*	234071.00	234217.11	10		SX,4,C W DISK		SB000180
14*	234071.40	234217.00	80	234416.02 A0	TI,1,CW DISK,CW RD		SB000181
15*	234072.40	234164.00	80		SIC,C RD BR		SB000182
16*	234073.00	234157.10	00		B,C READ		SB000182
17*	234073.40 *	234210.00	80	234073.74 02	BB,A DSK RD,\$		SB000183
18*	234074.40	234031.50	00		B, C T + 2.0		SB000184
19*	234075.00	234213.54	50	C SET J	LC,6, C DELTA		SB000185
20*	234075.40	234027.50	00		B, C T		SB000186
21*	234076.00	233670.42	30	C URD	LV,1,C NORM		SB000187
22*	234076.40	000001.03	00		V-I,1,2		SB000188
23*	234077.00	233670.43	30		SV,1,C NORM		SB000189
24*	234077.40	000000.03	01		LVI,1,C.C		SB000190
25*	234100.00	233674.43	30		SV,1,C N PRIM		SB000190
26*	234100.40	234214.00	80	014000.36 F0	CM1111(BU,12),CBUFF		SB000191
27*	234101.40	234040.10	00		B, X RETN		SB000192
28*	234102.00	233670.54	30	CHK PAR	LV,6,C NORM		SB000193
29*	234102.40	234221.04	10		LX,2,C FOT+1.C		SB000194
30*	234103.00	000023.05	50		SC,2,\$3	-SIZE IS IN CF \$2	SB000195
31*	234103.40	234104.70	40		BZXCZ,\$+1.0		SB000196
32*	234104.00	777777.47	01		LVI,3,(8)777777.40		SB000197
33*	234104.40	234211.00	30		LV,0,C BETA		SB000198
34*	234105.00	234105.41	00		SVA,0,\$.32		SB000199
35*	234105.40	234105.47	00		V-I,3,\$	-SIZE-BETA IS IN VF \$3	SB000200
36*	234106.00	234110.31	02		BXVGZ,\$+2.		SB000201
37*	234106.40	000000.55	05		V+I,6,1		SB000202
38*	234107.00	233670.55	30		SV,6,C NORM		SB000203
39*	234107.40 *	234076.10	00		B,C URD		SB000204
40*	234110.00	234211.52	30		LV,5,CGAMMA		SB000205
41*	234110.40	233667.04	80	234113.74 02	BB,XTENTB.4,\$+3.		SB000206
42*	234111.40	215324.10	30		LV,4,SPPUB		SB000207
43*	234112.00	234112.53	00		SVA,5,\$.32		SB000208
44*	234112.40	234112.51	00		V-I,4,\$	-VF \$4 HOLDS \$UB-CORE FWA	SB000209
45*	234113.00	234076.31	00		BZXVGZ,CURD		SB000210
46*	234113.40	234212.16	30		LV,7,C N		SB000211
47*	234114.00	000023.16	90		KV,7,\$3		SB000212
48*	234114.40	234115.73	42		BXH,\$+1.		SB000213
49*	234115.00	234116.71	40		BZXVZ,CNNOTO-1.0		SB000214

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234115
1*	234115.40	000023.16	30		LV,7,\$3		SB000216
2*	234116.00	000000.55	0D		V-I,6,1	-OTHERWISE SET N REQUEST TO	SB000217
3*	234116.40	233667.04	80	234123.34 02	BB,XTENTB.4,CENT	-SIZE-BETA	SB000218
4*	234117.40	000024.16	90	C NNCTC	KV,7,\$4		SB000219
5*	234120.00	234123.33	40		BZXH,C ENT		SB000220
6*	234120.40	000024.16	30		LV,7,\$4		SB000221
7*	234121.00	233670.54	90		KV,6,C NORM		SB000222
8*	234121.40	234122.72	C0		BZXE,\$+1.	-SET C NORM TO ERROR RETURN	SB000223
9*	234122.00	000000.55	0D		V-I,6,1		SB000224
10*	234122.40	000000.55	0D		V-I,6,1		SB000225
11*	234123.00 *	234213.57	30	C ENT	SV,7,C DELTA		SB000226
12*	234123.40	233667.04	80	234127.74 02	BB,XTENTB.4,CHEKT-.32		SB000227
13*	234124.40	215324.52	90		KV,5,SPPLB		SB000228
14*	234125.00	234076.32	42		BXL,CURD		SB000229
15*	234125.40	000027.12	80		V+,5,\$7		SB000230
16*	234126.00	215324.12	90		KV,5,SPPUB		SB000231
17*	234126.40	234076.32	40		BZXL,CURD		SB000232
18*	234127.00	231164.22	00		Z,YMP SAV		SB000233
19*	234127.40	233670.55	30		SV,6,C NORM		SB000234
20*	234130.00	234130.10	00	CHEKT	B,\$		SB000235
21*	234130.40	000050.15	02	X LIMIT	LCI,6, 40.0		SB000236
22*	234131.00	000024.21	01		LVI,8, 20.0		SB000237
23*	234131.40	234216.21	30		SV,8, CNT BUF		SB000237
24*	234132.00	234005.10	00		B, X TRAN		SB000238
25*	234132.40	000024.12	30	X BN SCH	LV,5,\$4		SB000239
26*	234133.00	000003.13	0D		V-I,5,3.0	-BINARY SCH FROM (VF\$2) TO (VF\$4)	SB000239
27*	234133.40	000022.12	90		KV,5,\$2		SB000240
28*	234134.00	234143.33	40		BZXH, X CERT	-SEQUENTIAL SCH LAST 3 ITEMS	SB000240
29*	234134.40	000003.13	05		V+I,5,3.0		SB000241
30*	234135.00	000022.12	80		V+,5, \$2		SB000241
31*	234135.40	000025.00	80	021067.20 50	L(BU,17), \$5, -18	-FIND AVERAGE ADDRESS	SB000242
32*	234136.40 *	000010.12	30		LV,5, \$L		SB000243
33*	234137.00	000000.06	95		KV,3, C.0(\$5)		SB000244
34*	234137.40	234142.33	42		BXH, X3 HI		SB000245
35*	234140.00	234141.32	42		BXL, X3 LO		SB000245
36*	234140.40	234140.50	00	X GOBK	B, \$	-RETURN ON EQUALITY	SB000246
37*	234141.00	000025.10	30	X3 LO	LV,4, \$5		SB000247
38*	234141.40	234132.50	00		B, X BN SCH	-LOWER UPPER BOUND	SB000247
39*	234142.00	000025.04	30	X3 HI	LV,2, \$5		SB000248
40*	234142.40	234132.50	00		B, X BN SCH	-RAISE UPPER BOUND	SB000248
41*	234143.00	000003.13	05	X CERT	V+I,5, 3.0		SB000249
42*	234143.40	234144.05	0D		SVA,2, \$ + 0.32		SB000249
43*	234144.00	000022.13	0D		V-I,5, \$2		SB000250
44*	234144.40	000025.12	50	X SQ SCH	LC,5,\$5		SB000251
45*	234145.00	000022.12	30		LV,5,\$2	-SEARCH (CF \$5) ENTRIES	SB000251
46*	234145.40	000000.06	95		KV,3,0.0(\$5)		SB000252
47*	234146.00	234140.72	C2		BXE, X GOBK	-BEGINNING AT (VF \$5)TH WORD	SB000252
48*	234146.40	234145.53	48		CB+,5, \$-1.0		SB000253
49*	234147.00	000000.13	01		LVI,5, 0.0		SB000253
50*	234147.40	234140.50	00		B, X GOBK	-RETURN VIA X GOBK	SB000254

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234150
1*	234150.00	000000.06 95	X 2WD LK	KV,3, 0.0(\$5)		SB000256
2*	234150.40	234152.72 C2		BXE, X VFL LK -SEQUENTIAL SEARCH		SB000256
3*	234151.00	000002.13 06		V+IC,5,2.0		SB000257
4*	234151.40	234150.30 40		BZXCZ, X 2WD LK -COMPARE VFS FIRST		SB000257
5*	234152.00 *	234155.50 00		B, X GOBAK - 0.32		SB000258
6*	234152.40	000010.07 10	X VFL LK	SX,3, \$L		SB000259
7*	234153.00	000000.00 85	060050.21 10	K(BU,48),0.0(\$5), -48	-THEN COMPARE FULL 48 BITS	SB000260
8*	234154.00	234156.36 C2		BAE, X GOBAK		SB000261
9*	234154.40	000002.13 06		V+IC,5, 2.0		SB000261
10*	234155.00	234153.30 40		BZXCZ, \$-2.0		SB000262
11*	234155.40	000000.13 01		LVI,5, 0.0		SB000263
12*	234156.00	234156.10 00	X GOBAK	B, \$		SB000264
13*	234156.40	234156.60 00	XTRCT R	BEW, \$	-ROUTINE FOR FETCHING RESTART AREA	SB000265
14*	234157.00	000024.00 80	430000.60 50	CREAD	LI(BU,24),20.,1	SB000266
15*	234160.00	234210.40 80	031000.20 D0	ST(BU,25),CUKCNT		SB000267
16*	234161.00	234210.00 80	001000.36 FC	CRD1	CM1111(BU,1),A DSK RD	SB000268
17*	234162.00	000040.10 00		B,D MCP		SB000269
18*	234162.40	000001.00 80		,D RD		SB000270
19*	234163.00	000001.00 80		,PROSA		SB000271
20*	234163.40	234416.00 80		,CW RD		SB000272
21*	234164.00	234164.10 00	C RD BR	B,\$		SB000273
22*	234164.40	234164.60 00	XTRCT C	BEW, \$	-DITTO COMPILED PROGRAM	SB000274
23*	234165.00	000040.10 00	C NDX F	B, D MCP	-LOCATE FIRST ARC OF DICT	SB000275
24*	234165.40 *	000003.01 80		,DLCCS		SB000276
25*	234166.00	000001.00 80		, PROSA		SB000277
26*	234166.40	000000.00 80		, 0		SB000278
27*	234167.00	234214.00 80	014000.00 FO	CM0000(BU,12),CBUFF		SB000279
28*	234170.00	234402.00 80	022000.00 FC	CM0000(BU,18),CLUK		SB000280
29*	234171.00	234207.00 80	234416.02 AC	TI,1,CW DC RD,CW RD	-READ 1ST ARC OF DICT INTO BUFFER	SB000281
30*	234172.00	234164.00 80		SIC,C RD BR		SB000282
31*	234172.40	234157.10 00		B,C READ		SB000282
32*	234173.00	234210.00 80	234173.34 02	BB,A DSK RD,\$		SB000283
33*	234174.00	235467.00 80	014067.20 50	L(BU,12), C DSK BF + 3.0, -18	-LOAD ARC ADDRESS OF INDEX	SB000284
34*	234175.00	234177.40 80	022067.20 D0	ST(BU,18), \$ + 2.32, -18	-AND STORE IT IN CALLING SEQUENCE	SB000285
35*	234176.00	000040.10 00		B, D MCP	-LOCATE ARC HOLDING INDEX	SB000286
36*	234176.40	000003.01 80		,D LOCS		SB000287
37*	234177.00	000001.00 80		, PROSA		SB000288
38*	234177.40	000000.00 80		,0		SB000289
39*	234200.00	234214.00 80	014067.12 FO	SF(BU,12),CBUFF,-18		SB000290
40*	234201.00 *	234402.00 80	022067.20 D0	ST(BU,18),CLUK,-18		SB000291
41*	234202.00	234206.00 80	234416.02 A0	TI,1,C NDX CW,CW RD		SB000292
42*	234203.00	234164.00 80		SIC,C RD BR		SB000293
43*	234203.40	234157.10 00		B,C READ	-READ INDEX INTO CORE	SB000293
44*	234204.00	234210.00 80	234204.34 02	BB,A DSK RD,\$		SB000294
45*	234205.00	233701.50 00		B, C SCNOP + 1.0	-RETURN TO BEGINNING OF ROUTINE	SB000295
46*	234205.40		0	YNRBIT	-TO PREVENT A READ.	SB000296
47*	234206.00	234222.00+ 000	000050 000000	C NDX CW	CW, C INDEX,40,0	SB000297
48*	234207.00	235464.00+ 000	001000 000000	CW DC RD	XW, C DSK BF, 512, C	-CONTROL WORD FOR DICTIONARY READ
49*	233670.40+	+00000000	BU,30 ,10	C NORM	SYN(BU,24), X TENTB + 1.32	SB000298
50*	233672.00+	+00000000	BU,60 ,10	CS ARTY	SYN(BU,48), X TENTB + 3.0	-TYPE-AREA IN CALLING SEQUENCE
51*	234210.00 *	000000.01		A DSK RD	DRZ(BU,1),1	SB000300
52*	234210.40	000000.00+		CUKCNT	VF,C	SB000301
53*	234211.00	000000.00+		C BETA	VF, 0	-RELATIVE AREA FWA
54*	234211.40	000000.00+		C GAMMA	VF, 0	-CORE FWA
55*	234212.00	000000.00+		C N	VF, 0	-NUMBER OF WORDS REQUESTED
56*	233674.40+	+00000000	BU,30 ,10	C N PRIM	SYN(BU,24), X TENTB + 5.32	-NUMBER OF WORDS READ FROM DISK

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234212
1*	234212.40	000000.00+	X NFOST	VF,0	-STATUS OF INFORMATION AVAILABLE	SB000307
2*	234213.00	000000.00+	C ALPHA	VF, 0	-ALPHA EQUALS BETA PLUS ARC-WORD	SB000308
3*	234213.40	000000.00+	C DELTA	VF, 0	-DELTA EQUALS NO. OF WDS READ	SB000309
4*	234214.00	000000.00+ 000 000000 000000	C BUFF	XW,C	-ARC LAST READ INTO BUFFER	SB000310
5*	234215.00	000000.00+	C DICT	VF, 0	-ADDRESSES DICT ENTRY FOR CS ARTY	SB000311
6*	234215.40	000000.00+	C NDX AD	VF, 0	-ADDRESS OF TYPE INDEX ENTRY	SB000312
7*	234216.00	000000.00+	CNT BUF	VF, 0	-NUMBER OF ENTRIES IN BUFFER MAP	SB000313
8*	234217.00	000000.00+ 000 000000 000000	CW DISK	XW,0,0,0	-CONTROL WORD FOR DISK FETCH	SB000314
9*	234220.00 *	000002.00	C FOT	DRZ(BU,64), (2)		SB000315
10*	234222.00	000050.00	C INDEX	DRZ(N), 40	-INDEX	SB000316
11*	234272.00	000062.00	C BF MAP	DRZ(BU,64), (50)	-MAP OF BUFFER CONTENTS	SB000317
12*	234354.00	000002.00	C DIC EX	DRZ(BU,64), (2)		SB000318
13*	234356.00	234356.37 01		LVI,\$15,\$		SB000319
14*	234356.40	234376.00 00		BE,CXUK		SB000319
15*	234357.00	234357.37 01		LVI, 15, \$		SB000320
16*	234357.40	234362.00 00		BE, CXIT		SB000320
17*	234360.00	234360.37 01		LVI, 15, \$		SB000321
18*	234360.40	234362.00 00		BE, CXIT		SB000321
19*	234361.00	234210.00 80 001000.00 F0		CM0000(BU,1),A DSK RD		SB000322
20*	234362.00	000040.10 00	C XIT	B, D MCP		SB000323
21*	234362.40	000041.00 80		, D RET		SB000323
22*	234363.00 *	000013.00	C LR	DRZ(BU,64), (11)		SB000324
23*	234376.00	234355.11 80 234404.74 02	CXUK	BB,CDICEX+1.09,CEPGK		SB000325
24*	234377.00	234210.40 80 022000.32 BC		M-1(BU,18),CUKCNT		SB000326
25*	234400.00	234406.34 C2		BRZ,CXUKND		SB000327
26*	234400.40	000040.10 00		B,DMCP		SB000328
27*	234401.00	000003.01 80		,DLQCS		SB000329
28*	234401.40	000001.00 80		,PRCSA		SB000330
29*	234402.00	000000.00 80	CLUK	,0		SB000331
30*	234402.40	234164.00 80		SIC,CRDBR		SB000332
31*	234403.00	234161.10 00		B,CRDI		SB000332
32*	234403.40	000040.10 00		B,DMCP		SB000333
33*	234404.00	000041.00 80		,DRET		SB000333
34*	234404.40	004001.35 01	CEPGK	LVI,\$14,SEPGK		SB000334
35*	234405.00	217451.40 80		SIC,SDISIC		SB000335
36*	234405.40	217372.10 00		B,SDISP		SB000335
37*	234406.00	000040.10 00	CXUKND	B,DMCP		SB000336
38*	234406.40	000043.40 80		,DCOMM		SB000337
39*	234407.00	234411.00 80		,CDSKFL		SB000338
40*	234407.40	000004.00 80		,4.		SB000339
41*	234410.00	000040.10 00		B,DMCP		SB000340
42*	234410.40	000041.00 80		,DRET		SB000340
43*	234411.00 *		CDSKFL	(IQS*)DD(BU),OPERATOR--REPEATED UKS ON DISK *		SB000341
44*	234415.00	000000.00+	CLOCCT	VF,0		SB000342
45*	234416.00	000000.00+ 000 000000 000000	CW RD	CW,0,0,0		SB000343

LINE	LOCATICN	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	SC000001
2*			-	***** THE DUMP ROUTINE *****	SC000002
3*			-	*****	SC000003
4*	234417.00 *			SLC, \$	SC000004
5*				CNOP	SC000005
6*	234417.00	10010000000000	PDUMPT	DD(BU,45),0(.3)2(.11)1	SC000006
7*				EXT(0,18)	SC000007
8*	234417.55		0471045	B,YXDUMP	SC000007
9*	234420.00 *	000002.00		DRZ(BU,64),2	SC000008
10*	234422.00	000000.40		DRZ(BU,32),1	SC000009
11*	234422.40	231157.02 10	YXDUMP	LX,\$1,YXWDMP	SC000010
12*	234423.00	231141.10 00		B,YMPFCH	SC000011
13*	234423.40	000000.30 00		CNOP	SC000012
14*	234424.00 *	002100.00	YMPBUF	DRZ(BU),1088 -RESERVE ROOM FOR OVERLAID AREA	SC000013

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				PUNFUL	TA000001
2*	236524.00			(CC*)DD(BU,,12),B HED, REP, 22LOADER, LOAD,, *	TA000002
3*	236534.34			(CC*)DD(BU,,12), 22LOADER*	TA000003
4*				PUNCRG	TA000004
5*				PUNID,22LOADER	TA000005
6*				RESEQ	TA000006
7*				- *****	TA000007
8*				- ***** JOB CONTROL BINARY LOADER *****	TA000008
9*				- *****	TA000009
10*	234424.00			SLC,YMPBUF	TA000010
11*	234424.00	000000.71 8F	234436.74 04	ALCADR BZBZ,.57(\$15),ALDR1 -CHECK IF NEW JOB	TA000011
12*	234425.00	232543.22 00		Z,ALL -INITIALIZE LOADER	TA000012
13*	234425.40	000001.31 8F	234427.74 04	BZBZ,.89(\$15),+\$2.	TA000013
14*	234426.40	232543.01 80	001000.36 F0	CM1111(BU,1),ATCRDI -SET TO STORE INITIAL ID AND SEQ	TA000014
15*	234427.40	000000.40 8F	022000.06 70	LF(BU,18),.32(\$15) -SET PPS BOUNDARIES	TA000015
16*	234430.40	232553.00 80	022000.12 F0	SF(BU,18),ALQWDC	TA000016
17*	234431.40	000001.00 8F	022000.06 70	LF(BU,18),1.(\$15)	TA000017
18*	234432.40	232553.40 80	022000.12 F0	SF(BU,18),AHGHWD	TA000018
19*	234433.40	232552.00 80	000400.00 F0	CM0000,ALDCTR -ZERO BINARY CARD ORIGIN COUNTER	TA000019
20*	234434.40	232554.40 80	014000.00 F0	CM0000,ASEQID -ZERO SEQ AND ID COUNTER	TA000020
21*	234435.40	232554.00 80	040000.00 F0	CM0000,AHIWD -ZERO PROGRAM HIGH WORD	TA000021
22*	234436.40	000000.07 8F		ALDR1 LVE,\$3,C(\$15)	TA000022
23*	234437.00	000020.22 00		Z,\$C	TA000023
24*	234437.40	000036.00 80		SIC,\$14	TA000024
25*	234440.00	234546.50 00		B,ATST1	TA000024
26*	234440.40	234440.10 03		ATYPE B,ATYPE-.32(\$3) -SEPARATE CARD TYPES	TA000025
27*	234441.00	235233.10 00		B,ANORMR	TA000026
28*	234441.40	235221.50 00		B,AERR3 -B CARD	TA000026
29*	234442.00	235034.50 00		B,ACCTAL -C CARD	TA000027
30*	234442.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000028
31*	234443.00	234600.10 00		B,ASUPRT -SUPER T CARD	TA000029
32*	234443.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000030
33*	234444.00	235130.10 00		B,APCARD - P CARD	TA000031
34*	234444.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000032
35*	234445.00	234576.50 00		B,ATCARD - T CARD	TA000033
36*	234445.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000034
37*	234446.00	234601.50 00		B,ABCARD - BRANCH CARD	TA000035
38*	234446.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000036
39*	234447.00	235172.10 00		B,ADCARD -DUMP CARD	TA000037
40*	234447.40	235221.50 00		B,AERR3 -ILLEGAL CARD	TA000038
41*	234450.00	234634.10 00		B,AFPCRD	TA000039
42*	234450.40	235221.50 00		B,AERR3 -FORTRAN PROGRAM CARD	TA000039
43*	234451.00	234634.10 00		B,AFPCRD	TA000040
44*	234451.40	235221.50 00		B,AERR3 -COMMON DEFINITION CARD	TA000040
45*	234452.00	234621.10 00		B,ALDADJ	TA000041
46*	234452.40	235221.50 00		B,AERR3 -LOADER ADJUSTMENT CARD	TA000041
47*	234453.00	235260.10 10		LX,\$4,AXWBIN	TA000042
48*	234453.40	234653.10 00		B,ARBNCB -RELOC. BIN. INSTR. CARD	TA000042
49*	234454.00	235261.10 10		LX,\$4,AXRDAT	TA000043
50*	234454.40	234764.10 00		B,ARBDCD -RELOC. BIN DATA CARD	TA000043
51*	234455.00	234634.10 00		B,AFPCRD	TA000044
52*	234455.40	235221.50 00		B,AERR3 -FORTRAN BRANCH CARD	TA000044
53*	234456.00	235256.10 10		LX,\$4,AXWFLW	TA000045
54*	234456.40	234615.10 00		B,AFLCW -FLOW CARD	TA000045

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234457
1*	234457.00	235255.10	10		LX,\$4,AXWORG		TA000047
2*	234457.40	000021.22	00		Z,\$1		TA000048
3*	234460.00	000025.22	00		Z,\$5		TA000049
4*	234460.40	000026.22	00		Z,\$6		TA000050
5*	234461.00	231462.60	80		LF(BU,60),ALDBF.48	-LOAD COLUMNS 5-9	TA000051
6*	234462.00	000021.00	80		SF(BU,24),\$1,24	-PLACE ORIGIN IN \$1	TA000052
7*	234463.00	232553.42	90	ALD8	KV,1,AHGHWD		TA000053
8*	234463.40	235225.33	42		BXH,AERR5A		TA000054
9*	234464.00	232553.02	90		KV,\$1,ALOWWD		TA000055
10*	234464.40	235225.32	42		BXL,AERR5A		TA000056
11*	234465.00	000025.00	80		SF(BU,24),\$5	-STORE NO. OF BITS TO BE SKIPPED	TA000057
12*	234466.00	* 000026.16	80		SF(BU,10),\$6.14,48		TA000058
13*	234467.00	000025.14	80		V+,6,\$5		TA000059
14*	234467.40	000021.14	80		V+,6,\$1		TA000060
15*	234470.00	000024.52	80		SF(BU,4),\$4.42,54	-STORE NO OF WHOLE WORDS IN CF	TA000061
16*	234471.00	232553.54	90	ACRG1	KV,\$6,AHGHWD		TA000062
17*	234471.40	235225.33	42		BXH,AERR5A		TA000063
18*	234472.00	000000.00	80		KFI(BU,6),0,48	-TEST IF PARTIAL WORD TO BE STORED	TA000064
19*	234473.00	234504.36	00		BZAE,AHFWD		TA000065
20*	234473.40	232543.03	80		BB1,ALL.3,\$+1.32	-SAVE INITIAL ORIGIN IN JOB CONTROL-	TA000066
21*	234474.40	000003.03	3F	AORG2	SV,\$1,3.(\$15)	-CALLING SEQUENCE AS BRANCH ADDR.	TA000067
22*	234475.00	231462.30	80		LF(BU,24),ALDBF.24	-LOAD COLUMNS 3-4	TA000068
23*	234476.00	000036.00	80		SIC,\$14		TA000069
24*	234476.40	234553.50	00		B,ASEQ1	-CHECK COLUMN 3 FOR SEQUENCE	TA000069
25*	234477.00	000036.00	80		SIC,\$14		TA000070
26*	234477.40	234563.10	00		B,ACHSM	-CHECK CHECKSUM COLUMN 4	TA000070
27*	234500.00	235256.10	90		KV,\$4,AXWFLW	-TEST IF FLOW CARD	TA000071
28*	234500.40	234511.72	C2		BXE,ALOAD	-YES-GO TO LOAD	TA000072
29*	234501.00	* 231462.61	80		BB,ALDBF.49,ALOAD	-IF SKIP OR ZERO DONE LAST - LOAD	TA000073
30*	234502.00	231462.60	80		BB,ALDBF.48,ASETZ	-ZERO DONE FIRST	TA000074
31*	234503.00	000025.02	80		V+,\$1,\$5	-ADD NO OF BITS SKIPPED TO ORG.	TA000075
32*	234503.40	234511.50	00		B,ALOAD		TA000076
33*	234504.00	232543.04	80		CM1111(BU,1),AHFWDI	-SET PARTIAL WORD INDICATOR	TA000077
34*	234505.00	234524.62	80		SF(BU,6),ALD1.18,48	-STORE NO OF BITS IN VFL-	TA000078
35*	234506.00	234525.62	80		SF(BU,6),ALD1+1.18,48	-INSTRUCTIONS IN ALD1	TA000079
36*	234507.00	234525.03	80		SF(BU,6),ALD1.35,48		TA000080
37*	234510.00	234526.03	80		SF(BU,6),ALD1+1.35,48		TA000081
38*	234511.00	234473.50	00		B,AORG2	-CONTINUE WITH LOAD ROUTINE	TA000082
39*					ORIGIN AND FLOW CARD LOADER		TA000083
40*	234511.40	000000.11	0A	ALCAD	KCI,\$4,0	-ARE THERE FULL WORDS TO BE LOADED	TA000084
41*	234512.00	234515.72	C2		BXE,ALD6	-NO-TEST FOR ZEROING AND PARTIAL WORD	TA000085
42*	234512.40	000000.30	00		CNOP		TA000086
43*	234513.00	000001.00	84		L(BU,64)(V+I),1.(\$4)	-CHANGED TO LOAD ZEROS IN SETZ ROUTINE	TA000087
44*	234514.00	000001.00	81		ST(BU,64)(V+I),1.(\$1)	-LOAD FULL WORDS	TA000088
45*	234515.00	* 234513.10	48		CB,\$4,ALOAD1		TA000089
46*	234515.40	232543.07	80		BBZ,ASETZI,ASETZ1	-TEST IF ZEROING WAS BEING DONE	TA000090
47*	234516.40	232543.04	80		BBZ,AHFWDI,ALD1	-TEST IF PARTIAL WD TO BE STORED	TA000091
48*	234517.40	231462.61	80		BB,ALDBF.49,ALD3	-TEST IF SKIP OR ZERO STILL TO BE DONE	TA000092
49*	234520.40	232543.12	80		BBZ,ARBCDI,ARNORM		TA000093
50*	234521.40	232552.03	30		SV,\$1,ALDCTR		TA000094

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234522	
1*	234522.00	232554.02 90		KV,\$1,AHIWD		TA000096	
2*	234522.40	235233.32 42		BXL,ANORMR		TA000097	
3*	234523.00	232546.42 80		V+,\$1,ABT31		TA000098	
4*	234523.40	232554.03 00		SVA,\$1,AHIWD	-IN ALDCTR AND AHIWD	TA000099	
5*	234524.00	235233.10 00		B,ANORMR	-NORMAL RETURN TO JOB CONTROL	TA000100	
6*	234524.40	000000.40 84	140000.06 70	ALD1	LF(BU,32)(V+I),.32(\$4)	-LOAD PARTIAL WORD	TA000101
7*	234525.40	000000.40 81	140000.12 00		SF(BU,32)(V+I),.32(\$1)		TA000102
8*	234526.40	234517.50 00		B,ALD5		TA000103	
9*	234527.00	231462.60 80	234531.34 02	ALD3	BB,ALDBF.48,ASETZ	-SKIP OR ZERO AFTER CARD LOADED	TA000104
10*	234530.00	000025.02 80			V+,\$1,\$5	-ADD NO. OF BITS SKIPPED TO LOCATION-	TA000105
11*	234530.40 *	234520.50 00			B,ALD2	-CTR.-\$1	TA000106
12*	234531.00	232547.51 50		ASETZ	SC,\$4,ACNT	-SAVE COUNT OF NO. OF WDS TO BE LOADED	TA000107
13*	234531.40	000025.00 80	030000.06 70		LF(BU,24),\$5	-STORE NO. OF WHOLE WDS ZEROED IN CF OF \$4	TA000108
14*	234532.40	000024.34 80	022003.12 00		SF(BU,18),\$4+.28,6		TA000109
15*	234533.40	234542.22 80	006000.12 00		SF(BU,6),ASETZ1+1.18	-STORE NO OF BITS TO ZERO IN ASETZ1-	TA000110
16*	234534.40	234541.43 80	006000.12 00		SF(BU,6),ASETZ1+.35	-AND ASETZ1+1.	TA000111
17*	234535.40	234542.43 80	006000.12 00		SF(BU,6),ASETZ1+1.35		TA000112
18*	234536.40	235235.00 80	234513.02 00		TI,1,ASETZ3,ALOAD1	-CHANGE ALCAD1 TO LOAD ZEROS	TA000113
19*	234537.40	232543.07 80	001000.36 00		CM1111(BU,1),ASETZ1	-TURN ON ZEROING INDICATOR	TA000114
20*	234540.40	234511.50 00			B,ALOAD		TA000115
21*	234541.00	000000.00 80	040000.06 70	ASETZ1	LF(BU,32),(\$0)	-LOAD PARTIAL WORD OF ZEROS-	TA000116
22*	234542.00	000000.40 81	140000.12 00		SF(BU,32)(V+I),.32(\$1)	-OR NOTHING IF FL=0	TA000117
23*	234543.00	235236.00 80	234513.02 00		TI,1,ALD4,ALOAD1	-REINITIALIZE ALCAD1	TA000118
24*	234544.00 *	232547.50 50			LC,\$4,ACNT	-RESTORE COUNT OF NO. OF WDS. TO BE LOADED	TA000119
25*	234544.40	234511.70 40			BZX CZ,ALOAD		TA000120
26*	234545.00	232543.04 80	234524.74 06		BBZ,AHFWDI,ALD1		TA000121
27*	234546.00	234520.50 00			B,ALD2		TA000122
28*				-	TEST TO DETERMINE TYPE OF CARD		TA000123
29*	234546.40	235257.06 10		ATST1	LX,\$3,ATXW1		TA000124
30*	234547.00	231462.00 80	014000.06 70		LF(BU,12),ALDBF	-LOAD COLUMN 1	TA000125
31*	234550.00	000000.14 83	114000.23 10	ATST	KF(BU,12)(V+I),.12(\$3)	-COMPARE WITH ENTRIES IN ATBL	TA000126
32*	234551.00	234552.76 02			BAE,AALRT	-IF TYPE OF CARD DETERMINED GO TO AALRT	TA000127
33*	234551.40	234550.06 48			CB,\$3,ATST		TA000128
34*	234552.00	235221.50 00			B,AERR3	-ILLEGAL TYPE OF CARD	TA000129
35*	234552.40	000023.07 50		AALRT	SC,\$3,\$3	-CF INDICATES TYPE OF CARD	TA000130
36*	234553.00	000000.10 0E			B,0(\$14)	-RETURN TO ATYPE AT BEG. OF LOADER	TA000131
37*				-	SEQUENCE AND ID TEST		TA000132
38*	234553.40	232543.01 80	234561.74 06	ASEQ1	BBZ,ATCRDI,ASEQ	-TEST FOR T CARD	TA000133
39*	234554.40	232543.02 80	234561.34 02		BB,ASTCRD,ASEQ2A	-TEST FOR SUPER T, YES-RETURN	TA000134
40*	234555.40	000011.50 80	014000.32 00		M-1(BU,12,8),\$R.40		TA000135
41*	234556.40	232554.40 80	014006.23 10		KF(BU,12),ASEQID,12		TA000136
42*	234557.40 *	235215.36 00			BZAE,AERR2	-SEQUENCE OR ID ERROR	TA000137
43*	234560.00	232554.40 80	014000.22 00		M+1(BU,12),ASEQID	-UPDATE SEQUENCE COUNTER	TA000138
44*	234561.00	000000.10 0E		ASEQ2A	B,0(\$14)		TA000139
45*	234561.40	232554.40 80	014006.12 00	ASEQ	SF(BU,12),ASEQID,12		TA000140
46*	234562.40	000000.10 0E			B,0(\$14)		TA000141
47*				-	COMPUTE CHECKSUM		TA000142
48*	234563.00	231462.44 80	014000.07 70	ACHSM	CT0011(BU,12),ALDBF.36	-CHECKSUM COLUMN BLANK	TA000143
49*	234564.00	234576.34 02			BRZ,ACHSM2	-IGNORE CHECKSUM	TA000144
50*	234564.40	235253.06 10			LX,\$3,ACXW3		TA000145

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	234565
1*	234565.00	000011.22	00		Z,\$R		TA000147
2*	234565.40	000000.14	83		LF(BU,12)(V+I),.12(\$3) -COMPUTE CHECKSUM		TA000148
3*	234566.40	000000.14	83	ACHSM1	+(BU,12)(V+I),.12(\$3)		TA000149
4*	234567.40	234566.46	4C		CBR,\$3,ACHSM1		TA000150
5*	234570.00	234566.63	42		BXF,ACHSM1		TA000151
6*	234570.40	000011.50	80		LF(PU,12),\$R.40,64		TA000152
7*	234571.40	000011.50	80		CM0000(BU,12),\$R.40		TA000153
8*	234572.40 *	000010.64	80		+(BU,12),\$L.52		TA000154
9*	234573.40	000011.63	80		+(BU,1),\$R.51		TA000155
10*						-CHK SUM	TA000156
11*	234574.40	231462.44	80		KF(BU,12),ALDBF.36		TA000157
12*	234575.40	235210.76	00		BZAE,AERR1	-INCORRECT CHECKSUM	TA000158
13*	234576.00	000000.10	0E	ACHSM2	B,0(\$14)		TA000159
14*	234576.40	232543.01	80	ATCARD	CM1111(BU,1),ATCRDI	-SET T CARD INDICATOR	TA000160
15*	234577.40	235233.10	00		B,ANORMR		TA000161
16*						SUPER T CARD ROUTINE-ALL SEQ AND ID IGNCRE	TA000162
17*	234600.00	232543.02	80	ASUPRT	CM1111(BU,1),ASTCRD		TA000163
18*	234601.00	235233.10	00		B,ANORMR		TA000164
19*						BRANCH CARD ROUTINE	TA000165
20*	234601.40	231462.30	80	ABCARD	LF(BU,24),ALDBF.24	-CHECK SEQUENCE AND CHECKSUM	TA000166
21*	234602.40	232543.11	80		BB,AFPCI,ARNRM1		TA000167
22*	234603.40	000036.00	80		SIC,\$14		TA000168
23*	234604.00	234553.50	00		B,ASEQ1		TA000168
24*	234604.40	000036.00	80		SIC,\$14		TA000169
25*	234605.00	234563.10	00		B,ACHSM		TA000169
26*	234605.40	231462.74	80		LF(BU,24),ALDBF.60	-PUT BRANCH ADDRESS INTO \$1	TA000170
27*	234606.40 *	000021.00	80		SF(BU,24),\$1		TA000171
28*	234607.40	000000.03	04		KVI,\$1,0	-IF NO BRANCH ADDR. GIVEN USE 1ST ORG	TA000172
29*	234610.00	234613.72	02		BXE,ABCRDI		TA000173
30*	234610.40	232553.02	90		KV,\$1,ALOWWD	-IS BRANCH ADDRESS WITHIN BOUNDS	TA000174
31*	234611.00	235225.32	42		BXL,AERR5A		TA000175
32*	234611.40	232553.42	90		KV,\$1,AHGHWD		TA000176
33*	234612.00	235225.33	42		BXH,AERR5A		TA000177
34*	234612.40	000003.03	0F		SVA,\$1,3.(\$15)		TA000178
35*	234613.00	000002.50	0F		B,2.32(\$15)		TA000179
36*	234613.40	232543.03	80	ABCRDI	BZB,ALL.3,AERR8	-CHECK IF ORIGIN STORED	TA000180
37*	234614.40	000002.50	0F		B,2.32(\$15)	-BRANCH RETURN IN JOB CONTROL	TA000181
38*						FLOW CARD ROUTINE	TA000182
39*	234615.00	232543.03	80	AFLOW	BZB,ALL.3,AERR8	-NO ORIGIN STORED ERROR	TA000183
40*	234616.00	232552.02	30		LV,\$1,ALDCTR	-PUT BINARY LOC.CTR.INTO XR1	TA000184
41*	234616.40	000021.14	30		LV,6,\$1	-SET UP FOR BOUNDARY TEST	TA000185
42*	234617.00	000014.55	05		V+I,\$6,12.32		TA000186
43*	234617.40	400000.00	80		LF1(BU,6),(8)400000.,48	-SET UP FOR PARTIAL WD LOADING	TA000187
44*	234620.40	234471.10	00		B,AORG1		TA000188
45*	234621.00	232543.11	80	ALCADJ	BB,AFPCI,ARNRM1		TA000189
46*	234622.00 *	235247.02	10		LX,\$1,ACXW1		TA000190
47*	234622.40	000036.45	01		LVI,\$2,30.32		TA000191
48*	234623.00	000000.14	81	ALDA1	CT0011(BU,8)(V+I),.12(\$1) -PICK UP LOCATION FIELD		TA000192
49*	234624.00	000007.25	80		LF(BU,3),\$LZC.4,(\$2)		TA000193
50*	234625.00	000001.45	0D		V-1,\$2,1.32		TA000194

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234625
1*	234625.40	234623.02	48		CB,\$1,ALDA1		TA000196
2*	234626.00	000023.22	00	ALDA5	Z,\$3		TA000197
3*	234626.40	000023.00	80		SF(BU,18),\$3,46	-TEST IF WITHIN BOUNDS	TA000198
4*	234627.40	232553.06	90		KV,\$3,ALOWWD		TA000199
5*	234630.00	235225.32	42		BXL,AERR5A		TA000200
6*	234630.40	232553.46	90		KV,\$3,AHGHWD		TA000201
7*	234631.00	235225.33	42		BXH,AERR5A		TA000202
8*	234631.40	232552.07	30		SV,\$3,ALDCTR		TA000203
9*	234632.00	232543.03	80		BB1,ALL.3,\$+1.32		TA000204
10*	234633.00	000003.07	DF		SVA,\$3,3.(\$15)		TA000205
11*	234633.40	235233.10	00		B,ANORMR		TA000206
12*	234634.00	232543.11	80	235004.74 02	AFPCRD	BB,AFPCI,ARNRM1	TA000207
13*	234635.00 *	220453.00	80	022000.20 50		L(BU,18),KSILO+2.0	TA000208
14*	234636.00	232542.00	80	022000.23 10		KF(BU,18),ABSSID	TA000209
15*	234637.00	235216.76	C0			BZAE,AERR4	TA000210
16*	234637.40	232543.11	80	001000.36 F0		CM1111(BU,1),AFPCI	TA000211
17*	234640.40	220462.42	30			LV,\$1,KSILO+9.32	-ADDRESS OF RELOCATION TABLES
18*	234641.00	000001.04	31			LV,\$2,1.(\$1)	-ORG. OF PROG. IN \$2
19*	234641.40	232552.05	30			SV,\$2,ALDCTR	
20*	234642.00	000002.00	81	023000.06 70		LF(BU,19),2.(\$1)	-= OF NAMED COMMONS DEVELOP A LZC
21*	234643.00	114000.00	80	407000.20 50		LI(BU,7),19	
22*	234644.00	000007.21	80	007000.30 10		-(BU,7),\$LZC	-COMPUTE = OF RELOC. BITS PER 1/2 WD.
23*	234645.00	232550.65	80	007000.12 F0		SF(BU,7),ARELOB	TA000218
24*	234646.00	000000.77	81	234651.74 02		BB,.63(\$1),AFPCD2	TA000219
25*	234647.00	000000.34	81	022000.06 70		LF(BU,18),.28(\$1)	TA000220
26*	234650.00	232547.00	80	022000.12 F0	AFPCD1	SF(BU,18),ARCDCT	-SET UP COUNT OF CARDS
27*	234651.00 *	235004.50	00			B,ARNRM1	TA000222
28*	234651.40	000000.00	80	422000.06 70	AFPCD2	LFI(BU,18),0	-LIBRARY ROUTINE CARD CT.=0
29*	234652.40	234650.10	00			B,AFPCD1	TA000224
30*	234653.00	000036.00	80		ARBNC0	SIC,\$14	TA000225
31*	234653.40	234563.10	00			B,ACHSM	TA000225
32*	234654.00	232552.04	30			LV,\$2,ALDCTR	-PROGRAM ORIGIN IN \$2
33*	234654.40	235220.31	42			BXVZ,AERR8	-NO LOADER ADJUSTMENT CARD
34*	234655.00	231462.60	80	044000.20 50		L(BU,36),ALDBF.48	-COLUMNS 5,6,7
35*	234656.00	000026.22	00			Z,\$6	TA000229
36*	234656.40	000021.22	C0			Z,\$1	TA000229
37*	234657.00	000027.22	00			Z,\$7	TA000229
38*	234657.40	000021.00	80	030000.12 F0		SF(BU,24),\$1	-RELATIVE ORIGIN IN \$1
39*	234660.40	000022.02	80			V+,\$1,\$2	-ABSOLUTE ORIGIN FOR CRD IN \$1
40*	234661.00	000027.16	80	012014.12 F0		SF(BU,10),\$7.14,24	-NO. OF INSR. TO LOAD
41*	234662.00	000027.14	80			V+,\$6,\$7	-COMPUTE LOC. OF RELOC. BITS
42*	234662.40	000021.16	80			V+,\$7,\$1	-COMPUTE UPPER ADDR. OCCUPIED
43*	234663.00	232553.56	90			KV,\$7,AHGHWD	TA000235
44*	234663.40	235225.33	42			BXH,AERR5A	TA000236
45*	234664.00 *	000024.51	80	005016.52 F0		SF(BU,5),\$4.41,29	-= HLF. WD. INSTR. IN CF OF \$4
46*	234665.00	000026.23	80	005000.06 70		LF(BU,5),\$6.19	TA000238
47*	234666.00	000000.00	80	405000.23 10		KFI(BU,5),0	TA000239
48*	234667.00	234673.76	C2			BAE,ARBCD4	TA000240
49*	234667.40	232543.17	80	001000.36 F0		CM1111(BU,1),ANUBIT-	TA000241
50*	234670.40	234735.44	80	005000.12 F0		SF(BU,5),ARBCD7.36	-IN LOAD INSTR.
51*	234671.40	234747.04	80	005000.12 F0		SF(BU,5),ARBCD6.36	-IN STORE INSTR.
52*	234672.40	234746.63	80	005000.12 F0		SF(BU,5),ARBCD6.19	TA000244
53*	234673.40	000024.14	80		ARBCD4	V+,\$6,\$4	-LOC. OF RELOCATION BITS
54*	234674.00	000021.23	80	005064.30 70		C1100(BU,5),\$1.19,-24	TA000246
55*	234675.00	000010.23	80	005000.22 80		M+1(BU,5),\$L.19	TA000247
56*	234676.00	000010.02	80			V+,1,\$L	TA000248

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234676
1*	234676.40	000010.10	BO	V+,4,\$L		TA000249
2*	234677.00	000000.11	OA	KCI,\$4,0		TA000250
3*	234677.40	234734.32	C2	BXE,ARBCD5		TA000251
4*	234700.00	* 000000.40	84	140000.20 50		TA000252
5*	234701.00	232544.14	BO	L(BU,32)(V+I),.32(\$4)	-NO. OF FULL WDS. TO BE LOADED	TA000253
6*	234701.40	777777.77	86	234707.34 00	-PICK UP HLF. WD. INSTR.	TA000254
7*	234702.40	234727.21	01	V+,\$6,APT1	-ADV. RELOC. BIT CTR. BY 1 BIT	TA000255
8*	234703.00	234726.61	D0	BZB,-.1(\$6),ARBCD3.32	-BRANCH IF NO RELOCATION	TA000256
9*	234703.40	000000.02	86	234712.74 02		TA000257
10*	234704.40	000000.01	86	234711.34 02		TA000258
11*	234705.40	000022.00	80	022007.20 10		TA000259
12*	234706.40	232544.54	BO			TA000260
13*	234707.00	000000.40	81	140000.20 D0		TA000261
14*	234710.00	000001.11	08			TA000262
15*	234710.40	234677.10	00			TA000263
16*	234711.00	000022.00	80	022000.20 10		TA000264
17*	234712.00	234706.50	00			TA000265
18*	234712.40	232543.11	80	235216.74 00		TA000266
19*	234713.40	* 232550.65	80	007064.20 50		TA000267
20*	234714.40	000000.01	86	234716.74 00		TA000268
21*	234715.40	232543.13	80	001000.36 F0		TA000269
22*	234716.40	000000.03	86	234720.74 02		TA000270
23*	234717.40	220462.16	30			TA000271
24*	234720.00	234726.10	00			TA000272
25*	234720.40	234722.43	80	006064.12 F0		TA000273
26*	234721.40	000027.22	00			TA000274
27*	234722.00	000000.04	86	000002.46 70		TA000275
28*	234723.00	000027.00	80	030000.12 F0		TA000276
29*	234724.00	220462.56	80			TA000277
30*	234724.40	000002.17	05			TA000278
31*	234725.00	000000.16	37			TA000279
32*	234725.40	000010.14	BO			TA000280
33*	234726.00	232544.14	BO			TA000281
34*	234726.40	234726.50	00			TA000282
35*	234727.00	* 777777.40	84	040000.20 50		TA000283
36*	234730.00	232543.13	80	234732.74 06		TA000284
37*	234731.00	000027.00	80	022007.20 10		TA000285
38*	234732.00	234706.50	00			TA000286
39*	234732.40	000027.00	80	022000.20 10		TA000287
40*	234733.40	234706.50	00			TA000288
41*	234734.00	232543.17	80	235001.74 00		TA000289
42*						TA000290
43*	234735.00	000000.00	84	000000.06 70		TA000291
44*	234736.00	232544.14	BO			TA000292
45*	234736.40	777777.77	86	234746.74 00		TA000293
46*	234737.40	234753.21	01			TA000294
47*	234740.00	234726.61	D0			TA000295
48*	234740.40	000000.02	86	234712.74 02		TA000296
49*	234741.40	000000.01	86	234751.34 02		TA000297
50*	234742.40	* 234735.43	80	006075.06 70		TA000298
51*	234743.40	220000.00	80	406075.30 10		TA000299
52*	234744.40	234746.15	80	006075.12 F0		TA000300
53*	234745.40	000022.00	80	022000.20 10		TA000301
54*	234746.40	000000.00	81	100000.12 F0		TA000302
55*	234747.40	232543.17	80	001000.00 F0		TA000303
56*	234750.40	235001.50	00			TA000304

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234751	
1*	234751.00	000022.00	80	022000.20	10	ARBCD8	+(BU,18),\$2	TA000305
2*	234752.00	234746.50	00				B,ARBCD6	TA000306
3*	234752.40	000000.30	00				CNCP,	TA000307
4*	234753.00	234735.00	80	234754.02	A0	ARBCDA	TI,1,ARBCD7,\$+1.	TA000308
5*	234754.00	000000.30	00				NOP	TA000309
6*	234754.40	000000.30	00				NOP	TA000309
7*	234755.00	232543.13	80	234762.74	06		BBZ,ARBCRI,ARBCDD	TA000310
8*	234756.00	* 234735.43	80	006075.06	70		LF(BU,6),ARBCD7.35,-6	TA000311
9*	234757.00	220000.00	80	406075.30	10		-I(BU,6),(8)22,-6	TA000312
10*	234760.00	234761.55	80	006075.12	FC		SF(BU,6),\$+1.45,-6	TA000313
11*	234761.00	000027.00	80	022000.20	10		+(BU,18),\$7,0	TA000314
12*	234762.00	234746.50	00				B,ARBCD6	TA000315
13*	234762.40	000027.00	80	022000.20	10	ARBCDD	+(BU,18),\$7	TA000316
14*	234763.40	234746.50	00				B,ARBCD6	TA000317
15*							BINARY DATA CARD	TA000318
16*	234764.00	000025.22	00			ARBDCD	Z,\$5	TA000319
17*	234764.40	000026.22	00				Z,\$6	TA000319
18*	234765.00	231463.54	80	014066.60	50		L(BU,12),ALDBF.108,-19 -PICK UP LOADING BASE	TA000320
19*	234766.00	000021.22	00				Z,\$1	TA000321
20*	234766.40	000010.02	30				LV,\$1,\$L -STORE AS 19 BIT ADDR.	TA000322
21*	234767.00	235000.31	42				BXVZ,ARBDC2 -PROGRAM DATA	TA000323
22*	234767.40	232543.11	80	235216.74	00		BZB,AFPCI,AEERR4 -ILLEGAL IN NON BSS JOB	TA000324
23*	234770.40	000002.03	05				V+I,\$1,2.	TA000325
24*	234771.00	220462.42	80				V+,\$1,KSIL0+9.32	TA000326
25*	234771.40	* 000000.02	31				LV,\$1,0(\$1)	TA000327
26*	234772.00	231462.74	80	030064.20	50	ARBDC3	L(BU,24),ALDBF.60,-24 -PICK UP RELATIVE ORIGIN	TA000328
27*	234773.00	000010.02	80				V+,\$1,\$L -COMPUTE ABSOLUTE ORIGIN	TA000329
28*	234773.40	231462.60	80	074000.06	70		LF(BU,60),ALDBF.48 -INITIALIZE FOR ABSOLUTE LOADER	TA000330
29*	234774.40	232543.03	80	001000.36	FC		CM1111(BU,1),ALL.3	TA000331
30*	234775.40	232543.01	80	001000.36	FC		CM1111(BU,1),ATCRDI	TA000332
31*	234776.40	232543.12	80	001000.36	FC		CM1111(BU,1),ARBCDI	TA000333
32*	234777.40	234463.10	00				B,ALD8	TA000334
33*	235000.00	232552.02	30			ARBDC2	LV,\$1,ALDCTR	TA000335
34*	235000.40	235220.31	42				BXVZ,AEERR8	TA000336
35*	235001.00	234772.10	00				B,ARBDC3	TA000337
36*	235001.40	232554.02	90			ARNORM	KV,\$1,AHIWD	TA000338
37*	235002.00	235003.72	42				BXL,\$+1.32	TA000339
38*	235002.40	232546.42	80				V+,\$1,ABT31	TA000340
39*	235003.00	232554.03	00				SVA,\$1,AHIWD	TA000341
40*	235003.40	232543.11	80	235233.34	00		BZB,AFPCI,ANORMR -NON BSS JOB-BRANCH	TA000342
41*	235004.40	232547.02	50			ARNRM1	LC,\$1,ARCDCT	TA000343
42*	235005.00	* 000001.03	08				C-I,\$1,1	TA000344
43*	235005.40	232547.03	50				SC,\$1,ARCDCT	TA000345
44*	235006.00	235007.30	42				BXCZ,ARNRM2	TA000346
45*	235006.40	000003.50	0F				B,3.32(\$15)	TA000347
46*	235007.00	220462.42	30			ARNRM2	LV,\$1,KSIL0+9.32 -ZERO CARD COUNT	TA000348
47*	235007.40	000001.04	11				LX,\$2,1.(\$1)	TA000349

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	235010
1*	235010.00	235012.70	42		BXCZ,ARNRM5		TA000351
2*	235010.40	000002.02	B1		V+,\$1,2.(\$1)	-NO TRANSFER VECTOR TO TRANSMIT	TA000352
3*	235011.00	000003.03	05		V+I,\$1,3.	-COMPUTE LOC. OF T.V. IN RELOC. TABLE	TA000353
4*	235011.40	000000.00	81	000001.04 22	T,\$2,0(\$1),1.(\$2)		TA000354
5*	235012.40	000021.22	00	ARNRM5	Z,\$1		TA000355
6*	235013.00	232543.11	80	000400.00 FO	CMOC00,AFPCI		TA000356
7*	235014.00	000021.05	70		SR,\$2,\$1		TA000357
8*	235014.40	000000.03	04		KVI,\$1,0	-ANY MORE SEGMENTS TO BE LOADED.	TA000358
9*	235015.00	235033.32	C2		BXE,ARNRM4	-NO-BRANCH	TA000359
10*	235015.40	220462.43	30		SV,\$1,KSIL0+9.32	-STORE ADDR. OF NEXT RELOCATION TABLE	TA000360
11*	235016.00	000000.77	81	235027.34 02	BB,.63(\$1),ARNRM3	-LIBRARY ROUTINE BRANCH	TA000361
12*	235017.00	000000.00	81	022067.20 50	L(BU,18),(\$1),-18		TA000362
13*	235020.00	235246.32	10		LX,\$13,AREADS	-SET UP \$13 FOR RESLD	TA000363
14*	235020.40 *	000010.32	B0		V+,\$13,\$L		TA000364
15*	235021.00	000000.00	80	411073.46 70	LFI(BU,9),0,-9		TA000365
16*	235022.00	000017.00	80	422067.21 00	/I(BU,18),15.,-18		TA000366
17*	235023.00	000010.02	30		LV,1,\$L		TA000367
18*	235023.40	235024.03	D0		SVA,1,\$.32		TA000368
19*	235024.00	235024.33	C8		C-1,13,\$		TA000369
20*	235024.40	232550.05	80	060600.06 70	LF(BU,48,6),ATWSTA		TA000370
21*	235025.40	235307.00	80	060600.12 FO	SF(BU,48,6),YRLDTA		TA000371
22*	235026.40	000003.50	0F		B,3.32(\$15)		TA000372
23*	235027.00	232547.71	80	014630.06 70	ARNRM3 LF(BU,12,6),ALB,48	-SET UP RESLD FOR LIB SUBROUTINE	TA000373
24*	235030.00	000000.00	81	044600.06 70	LF(BU,36,6),C(\$1)		TA000374
25*	235031.00	235307.00	80	060600.12 FO	SF(BU,48,6),YRLDTA		TA000375
26*	235032.00	235245.32	10		LX,\$13,AREAD1		TA000376
27*	235032.40	000003.50	0F		B,3.32(\$15)		TA000377
28*	235033.00	220463.02	30		ARNRM4 LV,\$1,KSIL0+10.		TA000378
29*	235033.40	000003.03	DF		SVA,\$1,3.(\$15)		TA000379
30*	235034.00 *	000002.50	0F		B,2.32(\$15)		TA000380
31*					OCTAL CARD LOADER		TA000381
32*	235034.40	235042.43	01		ACCTAL LVI,\$1,AOCTLD	-INITIALIZE FOR C CARDS	TA000382
33*	235035.00	235065.03	D0		SVA,\$1,AOCTL5+.32		TA000383
34*	235035.40	235233.23	80	001000.36 FO	CM1111(BU,1),ANORMR.19	-SET BRANCH TO APCRDND TO NOP	TA000384
35*	235036.40	000000.71	8F	001000.00 FO	CMOC00(BU,1),.57(\$15)		TA000385
36*	235037.40	235055.47	01		ACCTLA LVI,\$3,ACCTL2+1.	-INITIALIZE FOR C AND P CARDS	TA000386
37*	235040.00	235054.47	D0		SVA,\$3,AOCTL2		TA000387
38*	235040.40	235247.02	10		LX,\$1,A0XW1	-XRI LOCATED COLUMN BEING TESTED	TA000388
39*	235041.00	000000.07	01		LVI,\$3,0	-USED FOR CONTINUATION C AND P CARDS	TA000389
40*	235041.40	235250.04	10		LX,\$2,A0XW2	-STORAGE AREA FOR CONVERTED COLUMNS	TA000390
41*	235042.00	000004.07	02		LCI,\$3,4	-MAX. NO. OF HALFWDS PER CARD	TA000391
42*	235042.40	000001.06	81	014000.06 70	ACCTLD LF(BU,12),.70(\$1)	-PUT DECIMAL PT COLUMN IN AC	TA000392
43*	235043.40	232543.05	80	235107.34 02	BB,AOIGN1,AOIGN2	-IF ON IGNORE CORRECTIONS ON CRD	TA000393
44*	235044.40	232543.10	80	235047.74 02	BB,ADCRDI,\$+3.		TA000394
45*	235045.40	232543.06	80	235047.74 02	BB,APCRDI,\$+2.	-IF P CARD DONT TEST FOR 1	TA000395
46*	235046.40	410200.00	80	414000.15 70	CTIC110(BU,12),(8)4102	-TEST FOR DECIMAL POINT	TA000396
47*	235047.40 *	000011.67	80	235106.34 06	BBZ,\$R+.55,AOIGNR	-A 1 BIT IGNORE CORRECTION	TA000397
48*	235050.40	235122.74	C0		BZRZ,ACCTL6	-NOT A DECIMAL PCINT	TA000398
49*	235051.00	000000.14	81	110000.07 70	ACCTL1 CTOC11(BU,8)(V+I),.12(\$1)	-PICK UP AN OCTAL COLUMN	TA000399
50*	235052.00	235103.34	C2		BRZ,AOCTZ	-BLANK COL STORE A ZERO	TA000400

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	235052
1*	235052.40	000007.25	80 003000.06 70		LF(BU,3), \$LZC+.4	-STORE OCTAL CHARACTER INTO AADD	TA000402
2*	235053.40	000000.03	82 303000.12 FO		SF(BU,3)(V+ICR), .3(\$2)		TA000403
3*	235054.40	235055.42	4A	ACCTL2	CBZ, \$1, \$+1.		TA000404
4*	235055.00	235051.10	00		B, ACCTL1		TA000405
5*	235055.40	000001.03	02		LCI, \$1, 1	-PICK UP HALF WORD	TA000406
6*	235056.00	232545.02	80		V+, \$1, AOPT12	-ADVANCE OVER DECIMAL POINT	TA000407
7*	235056.40	235054.40	80		SIC, AOCTL2		TA000408
8*	235057.00	235051.10	00		B, ACCTL1		TA000408
9*	235057.40	232551.06	30		LV, \$3, AADD	-PICK UP OCTAL CARD ORIGIN IN \$3	TA000409
10*	235060.00	000023.23	80 006000.00 FO		CMOC00(BU,6), \$3.19	-ZERO REST OF VF OF \$3	TA000410
11*	235061.00	232553.06	90		KV, \$3, ALOWWD		TA000411
12*	235061.40	235226.72	42		BXL, AERR5B		TA000412
13*	235062.00	235135.30	00	AOCTLP	NOP, APCRD2	-IF P CARD THIS IS A BRANCH	TA000413
14*	235062.40	232553.46	90	AOCTL3	KV, \$3, AHGHWD		TA000414
15*	235063.00 *	235226.73	42		BXH, AERR5B		TA000415
16*	235063.40	232545.42	80		V+, \$1, AOPT24	-ADVANCE OVER BLANKS	TA000416
17*	235064.00	000006.03	02		LCI, \$1, 6	-SET COUNT TO PICK UP 6 OCTAL CHAR.	TA000417
18*	235064.40	235054.40	80	AOCTL5	SIC, AOCTL2		TA000418
19*	235065.00	235042.50	00		B, AOCTLD	-GO TO CHECK DECIMAL POINT	TA000418
20*	235065.40	232545.02	80		V+, \$1, AOPT12	-SPACE OVER DECIMAL POINT	TA000419
21*	235066.00	000002.03	02		LCI, \$1, 2	-PICK UP LAST 2 OCTAL CHAR.	TA000420
22*	235066.40	235054.40	80		SIC, AOCTL2		TA000421
23*	235067.00	235051.10	00		B, ACCTL1		TA000421
24*	235067.40	000002.03	02		LCI, \$1, 2		TA000422
25*	235070.00	232545.02	80		V+, \$1, AOPT12		TA000423
26*	235070.40	000000.14	81 112000.07 70	AOCTH	CT0011(BU,10)(V+I), .12(\$1)	-PICK UP 2 HEX CHARACTERS	TA000424
27*	235071.40	235104.74	C2		BRZ, AOCTHZ	-BLANK COL STORE A ZERO	TA000425
28*	235072.00	000007.24	80 004000.06 70		LF(BU,4), \$LZC+.3		TA000426
29*	235073.00	777777.62	81 235116.34 02		BB, -.14(\$1), AOCTH1		TA000427
30*	235074.00	000000.04	82 304000.12 FO	AOCTH2	SF(BU,4)(V+ICR), .4(\$2)		TA000428
31*	235075.00	235070.42	48	AOCT2A	CB, \$1, AOCTH		TA000429
32*	235075.40	232551.00	80 040000.06 70		LF(BU,32), AADD	-STORE HALF WORD INSTRUCTION	TA000430
33*	235076.40 *	000000.40	83 140000.12 FO		SF(BU,32)(V+I), .32(\$3)		TA000431
34*	235077.40	232545.42	80		V+, \$1, AOPT24	-ADVANCE OVER BLANKS	TA000432
35*	235100.00	235062.46	48		CB, \$3, AOCTL3	-HAVE ALL CORRECTIONS BEEN LOADED	TA000433
36*	235100.40	232554.06	90	AOCT4A	KV, \$3, AHIWD	-UPDATE HIWD	TA000434
37*	235101.00	235102.33	40		BZXH, \$+1.		TA000435
38*	235101.40	232554.07	00		SVA, \$3, AHIWD		TA000436
39*	235102.00	232552.47	00		SVA, \$3, ALDTC	-UPDATE OCTAL CARD LOCATION CTR	TA000437
40*	235102.40	235233.10	00		B, ANORMR	-NORMAL RETURN IN JOB CONTROL	TA000438
41*	235103.00	000000.03	82 304000.00 FO	AOCTZ	CMOC00(BU,4)(V+ICR), .3(\$2)		TA000439
42*	235104.00	235054.50	00		B, AOCTL2		TA000440
43*	235104.40	000000.04	82 304000.00 FO	AOCTHZ	CMOC00(BU,4)(V+ICR), .4(\$2)		TA000441
44*	235105.40	235075.10	00		B, AOCT2A		TA000442
45*	235106.00	000000.07	04	AOIGNR	KVI, \$3, 0		TA000443
46*	235106.40	235114.72	C2		BXE, AOIGN1	-IGNORE WHOLE CARD	TA000444
47*	235107.00	000011.67	80 235110.34 06	AOIGN2	BBZ, \$R.55, \$+1.	-SET 1 BIT TO ZERO IF ON	TA000445
48*	235110.00	410200.00	80 414000.15 70		CTIC110(BU,12), (8)4102		TA000446
49*	235111.00	235113.34	C0		BZRZ, AOIGN3	-LAST HLF WD ON CRD TESTED	TA000447
50*	235111.40	000000.47	05		V+I, \$3, .32	-ADVANCE OCTAL CRD LOC CTR A HLF WD	TA000448

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235154
1*	235154.00 *	000000.00	84 040040.06 70		LF(BU,32),(\$4),64	-PICK UP OTHER HLF OF INSTR	TA000500
2*	235155.00	235237.40	80 040000.06 70		LF(BU,32),APNOP		TA000501
3*	235156.00	000000.40	84 140000.12 FO		SF(BU,32),(V+I),.32(\$4)	-STORE NOP	TA000502
4*	235157.00	000000.40	83 140040.12 FO		SF(BU,32)(V+I),.32(\$3),64	-STORE HLF WD IN PATCH AREA	TA000503
5*	235160.00	235150.50	00		B,APCRD4		TA000504
6*	235160.40	000000.47	00	APCRD5	V-I,\$3,.32	-PICK UP BRANCH BACK TO PROGRAM	TA000505
7*	235161.00	000000.10	33		LV,\$4,0(\$3)	-SAVE AND DECREMENT \$3 BY A HLF WD	TA000506
8*	235161.40	232545.42	80		V+,1,AOPT24		TA000507
9*	235162.00	235062.23	80 001000.36 FO		CM1111(BU,1),AOCTLP.19	-RESET TO NOP	TA000508
10*	235163.00	235150.50	00		B,APCRD4		TA000509
11*	235163.40	232543.06	80 001000.00 FO	APCRND	CMOC00(BU,1),APCRDI	-TURN OFF P CARD INDICATOR	TA000510
12*	235164.40	235233.23	80 001000.36 FO		CM1111(BU,1),ANORMR+.19	-SET TO NOP	TA000511
13*	235165.40	235237.00	80 040000.06 70		LF(BU,32),APBRCH	-STORE BRANCH TO PROGRAM-	TA000512
14*	235166.40	000000.00	83 040000.12 FO		SF(BU,32),(\$3)	-IN PATCH AREA	TA000513
15*	235167.40	000000.11	D3		SVA,\$4,(\$3)		TA000514
16*	235170.00 *	000000.47	05		V+I,\$3,.32	-UPDATE HIWD AND ALDCTC	TA000515
17*	235170.40	232554.07	D0		SVA,\$3,AHIWD		TA000516
18*	235171.00	232552.47	D0		SVA,\$3,ALDTC		TA000517
19*	235171.40	235233.10	00		B,ANORMR		TA000518
20*	235172.00	232554.06	30	ADCARD	LV,3,AHIWD		TA000519
21*	235172.40	000000.07	04		KVI,3,0		TA000520
22*	235173.00	235226.72	C2		BXE,AERR5B		TA000521
23*	235173.40	232543.10	80 001000.36 FO		CM1111(BU,1),ADCRDI		TA000522
24*	235174.40	235062.23	80 001000.00 FO		CMOC00(BU,1),AOCTLP.19		TA000523
25*	235175.40	235037.50	00		B,AOCTLA		TA000524
26*	235176.00	000002.07	05	ADCRD1	V+I,\$3,2.		TA000525
27*	235176.40	232553.46	90		KV,\$3,AHGHWD		TA000526
28*	235177.00	235226.73	42		BXH,AERR5B		TA000527
29*	235177.40	235240.00	80 000000.20 50		L(BU,64),ABDMP		TA000528
30*	235200.40	777776.00	83 000000.20 D0		ST(BU,64),-2.(\$3)		TA000529
31*	235201.40	235241.00	80 040000.06 70		LF(BU,32),ADFWA		TA000530
32*	235202.40	777777.00	83 040000.12 FO		SF(BU,32),-1.(\$3)		TA000531
33*	235203.40 *	777777.07	D3		SVA,\$3,-1.(\$3)		TA000532
34*	235204.00	235237.00	80 040000.06 70		LF(BU,32),APBRCH		TA000533
35*	235205.00	777777.40	83 040000.12 FO		SF(BU,32),-.32(\$3)		TA000534
36*	235206.00	777777.51	D3		SVA,\$4,-.32(\$3)		TA000535
37*	235206.40	235151.50	00		B,APCRD4+1.		TA000536
38*	235207.00	235062.23	80 001000.36 FO	ADCRD2	CM1111(BU,1),AOCTLP.19		TA000537
39*	235210.00	235062.50	00		B,AOCTL3		TA000538
40*	235210.40	020000.00	80 405000.06 70	AERR1	LFI(BU,5),1	-CHECK SUM ERROR	TA000539
41*	235211.40	000002.15	8F 005000.12 FO	AERRA	SF(BU,5),2.13(\$15)		TA000540
42*	235212.40	231462.30	80 014000.06 70		LF(BU,12),ALDBF.24		TA000541
43*	235213.40	000002.00	8F 014000.12 FO		SF(BU,12),2.(\$15)		TA000542
44*	235214.40	000001.50	0F		B,1.32(\$15)		TA000543
45*	235215.00	040000.00	80 405000.06 70	AERR2	LFI(BU,5),2	-SEQ. NO. OR IDD ERROR	TA000544
46*	235216.00	235211.50	00		B,AERRA		TA000545
47*	235216.40 *	100000.00	80 405000.06 70	AERR4	LFI(BU,5),4	-ILLEGAL NON BSS FUNCTION	TA000546
48*	235217.40	235211.50	00		B,AERRA		TA000547
49*	235220.00	200000.00	80 405000.06 70	AERR8	LFI(BU,5),8	-NO ORIGIN CARD	TA000548
50*	235221.00	235211.50	00		B,AERRA		TA000549

LINE	LOCATICN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235221
1*	235221.40	060000.00	80 405000.06 70	AERR3	LFI(BU,5),3	-ILLEGAL TYPE OF CARD	TA000551
2*	235222.40	000002.15	8F 005000.12 FO	AERRB	SF(BU,5),2.13(\$15)		TA000552
3*	235223.40	000002.00	8F 014000.00 FO		CM0000(BU,12),2.(\$15)		TA000553
4*	235224.40	000001.50	CF		B,1.32(\$15)		TA000554
5*	235225.00	120000.00	80 405000.06 70	AERR5A	LFI(BU,5),5	-CARD LOADED OUTSIDE OF-	TA000555
6*	235226.00	235211.50	00		B,AERRA	-A AND B	TA000556
7*	235226.40	120000.00	80 405000.06 70	AERR5B	LFI(BU,5),5		TA000557
8*	235227.40	235222.50	00		B,AERRB		TA000558
9*	235230.00	140000.00	80 405000.06 70	AERR6	LFI(BU,5),6	-C OR P CARD INCORRECTLY PUNCHED	TA000559
10*	235231.00	235222.50	00		B,AERRB		TA000560
11*	235231.40	160000.00	80 405000.06 70	AERR7	LFI(BU,5),7	-NO ORIGIN PUNCHED IN FIRST C-	TA000561
12*	235232.40 *	235222.50	00		B,AERRB	-CARD ENCOUNTERED	TA000562
13*	235233.00	235163.70	00	ANORMR	NOP,APCRND		TA000563
14*	235233.40	232543.11	80 235004.74 02		BB,AFPCI,ARNRM1		TA000564
15*	235234.40	000003.50	0F		B,3.32(\$15)		TA000565
16*					CNOP		TA000566
17*	235235.00	000000.00	80 000000.20 50	ASETZ3	L(BU,64),(\$0)	-USED TO CHANGE ALCAD1-	TA000567
18*	235236.00	000001.00	84 100000.20 50	ALC4	L(BU,64)(V+I),1.(\$4)	-TC LOAD ZEROS	TA000568
19*	235237.00	235237.10	00	APBRCH	B,\$	-USED IN P CARD ROUTING	TA000569
20*	235237.40	000000.30	00	APNOP	NOP	-USED IN P CARD ROUTINE	TA000570
21*	235240.00	000040.10	00	ABDMP	B,DMCP		TA000571
22*	235240.40	000100.00	80		,DDUMP	-USED IN ADCARD	TA000571
23*	235241.00	000000.00	80	ADFWA	SIC,0	-USED IN ADCARD	TA000572
24*	235241.40		0007	ATBL	DD(BU,12),(8)0007	-ORIGIN	TA000573
25*	235241.54		0005		DD(BU,12),(8)0005	-FLOW	TA000574
26*	235241.70		0037		DD(BU,12),(8)0037	-FORTRAN BRANCH CARD 5,6,7,8,9	TA000575
27*	235242.04		0017		DD(BU,12),(8)0017	-BINARY DATA CARD 6,7,8,9	TA000576
28*	235242.20		0025		DD(BU,12),(8)0025	-BINARY INSTR. CARD 5,7,9	TA000577
29*	235242.34		2010		DD(BU,12),(8)2010	-LCADER ADJ. CARD C	TA000578
30*	235242.50		0027		DD(BU,12),(8)0027	-COMMON DEFINITION CARD 5,7,8,9	TA000579
31*	235242.64		0035		DD(BU,12),(8)0035	-FORTRAN PROGRAM CARD 5,6,7,9	TA000580
32*	235243.00		4040		DD(BU,12),(8)4040	-D CARD	TA000581
33*	235243.14		0015		DD(BU,12),(8)0015	-BRANCH	TA000582
34*	235243.30		1100		DD(BU,12),(8)1100	-T CARD	TA000583
35*	235243.44		2004		DD(BU,12),(8)2004	-P CARD	TA000584
36*	235243.60		1300		DD(BU,12),(8)1300	-SUPERT	TA000585
37*	235243.74		4100		DD(BU,12),(8)4100	-C CARD	TA000586
38*	235244.10		4200		DD(BU,12),(8)4200	-B CARD	TA000587
39*	235245.00	000017.00-	111 000000 000000	AREAD1	XW,-15.,0.,7		TA000588
40*	235246.00 *	000015.00-	111 000043 000000	AREADS	XW,-13.,35.,7		TA000589
41*	235247.00	231462.16+	000 000006 000000	ACXW1	XW,ALDBF.14,6	-PICKS UP COLUMNS ON OCTAL CARD	TA000590
42*	235250.00	232551.00+	000 000007 235251	ACXW2	XW,AADD,7,AOXW3	-STORES LOC.FIELD OF OCTAL CARDS	TA000591
43*	235251.00	232551.00+	000 000010 235252	ACXW3	XW,AADD,8,AOXW4	-STORES OCTAL CHAR.	TA000592
44*	235252.00	232551.30+	000 000002 235251	AOXW4	XW,AADD+.24,2,AOXW3	-STORES HEX CHAR.	TA000593
45*	235253.00	231462.00+	100 000002 235254	ACXW3	XW,ALDBF,2,ACXW3A,0-4	-USED IN CHECKSUM SETS XF	TA000594
46*	235254.00	231462.60+	000 000103 235253	ACXW3A	XW,ALDBF.48,67,ACXW3	-USED IN CHECKSUM	TA000595
47*	235255.00	231463.64+	000 000000 000000	AXWORG	XW,ALCBF.116,	-INDICATES ORIGIN CARD	TA000596
48*	235256.00	231462.64+	000 000014 000000	AXWFLW	XW,ALDBF.52,12	-INDICATES FLOW CARD	TA000597
49*	235257.00	235241.40+	000 000017 000000	ATXW1	XW,ATBL,15,0		TA000598
50*	235260.00	231463.40+	000 000000 000000	AXWBIN	XW,ALDBF.96		TA000599
51*	235261.00 *	231463.70+	000 000000 000000	AXRDAT	XW,ALDBF.120		TA000600

LINE	LOCATICN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*					RESUME LOAD	TB000001
2*	235262.00	215001.03	80	YRESL1	BB, SCORG, YRESL2	TB000002
3*	235263.00	220452.23	80		BZB, KSILO+1.19, YRESL2	TB000003
4*	235264.00	220453.00	80		L(BU, 18), KSILO+2.	TB000004
5*	235265.00	232542.00	80		KF(BU, 18), ABSSID	TB000005
6*	235266.00	235340.36	C2		BAE, YARSL	TB000006
7*	235266.40	231426.00	80	YRESL2	TI, 1, YLLSAV, YRLLL	TB000007
8*	235267.40	231427.00	80		TI, 1, YDFCS, YRLDTA	TB000008
9*	235270.40	215467.32	10		LX, \$13, SREADS	TB000009
10*	235271.00	232557.62	80		BZB, YRLTT+2.50, \$+1.32	TB000010
11*	235272.00	000035.22	00		Z, \$13	TB000011
12*	235272.40	235315.31	80		BZB, YRLLL+.25, YRLCR	TB000012
13*	235273.40	215005.02	50		LC, \$1, SBAPP	TB000013
14*	235274.00	000041.03	01		LVI, \$1, (8)41.	TB000014
15*	235274.40	000041.03	08		C-I, \$1, (8)41.	TB000015
16*	235275.00 *	000000.22	01		Z, (\$1)	TB000016
17*	235275.40	235275.03	48		CB+, \$1, \$-.32	TB000017
18*	235276.00	215001.03	80		BZB, SCORG, YLOAD	TB000018
19*	235277.00	000035.31	80	YRLCR	BB, \$13.25, YRDISK	TB000019
20*	235300.00	000040.10	00		B, DMCP	TB000020
21*	235300.40	000104.40	80		, DSCR	TB000021
22*	235301.00	231462.00	80		, YBCBU	TB000022
23*	235301.40	000001.00	80		, 1.0	TB000023
24*	235302.00	000000.00	80		, 0	TB000024
25*	235302.40	235346.50	00		B, YLERR	TB000025
26*	235303.00	235313.10	00		B, YLOAD	TB000026
27*	235303.40	000017.33	06	YRDISK	V+IC, 13, 15.	TB000027
28*	235304.00	235305.70	40		BZXCZ, YCOMDK	TB000028
29*	235304.40	000002.33	05		V+I, \$13, 2.0	TB000029
30*	235305.00	000042.33	02		LCI, \$13, 34.0	TB000030
31*	235305.40	235310.33	00	YCCMDK	SVA, \$13, YDFRDA	TB000031
32*					CNOP	TB000032
33*	235306.00	000040.10	00		B, DMCP	TB000033
34*	235306.40	000102.40	80		, DFETCH	TB000034
35*	235307.00 *	000001.00		YRLDTA	DR(N), (1)	TB000035
36*	235310.00	000000.00	80	YDFRDA	, 0	TB000036
37*	235310.40	231462.00	80		, YBCBU	TB000037
38*	235311.00	000017.00	80		, 15.	TB000038
39*	235311.40	000000.00	80		, 0	TB000039
40*	235312.00	000000.30	00		NOP	TB000040
41*	235312.40	235346.50	00		B, YLERR	TB000041
42*	235313.00	235314.77	01	YLCAD	LVI, 15, YLOADA	TB000042
43*	235313.40	000000.30	00		CNOP	TB000043
44*	235314.00	234424.10	00		B, ALOADR	TB000044
45*	235314.40	231462.00+		YLCADA	VF, YBCBU	TB000045
46*	235315.00	000000.00	80	YRLLL	, 0	TB000046
47*	235315.40	000000.00	80		, 0	TB000047
48*	235316.00	235356.10	00		B, YLERR2	TB000048
49*	235316.40	000000.00+		YLJSLT	VF, 0	TB000049
50*	235317.00	235320.50	00		B, YBCENC	TB000050
51*	235317.40	000000.00+		YLBRA	VF, 0	TB000051
52*	235320.00	235277.10	00		B, YRLCR	TB000052
53*	235320.40	235317.74	30	YBCENC	LV, \$14, YLBRA	TB000053
54*	235321.00	230364.74	80		BBZ, REJJOB+.60, YSUKFX	TB000054
55*	235322.00	232557.62	80		BB, YRLTT+2.50, \$+1.32	TB000055
56*	235323.00 *	215467.33	10		SX, \$13, SREADS	TB000056

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235323
1*	235323.40	232556.75	30		SV,\$14,YRLTT+1.32		TB000057
2*	235324.00	215361.35	30		SV,14,SICBU		TB000058
3*	235324.40	231426.31	80		CMOC00(BU,1),YLLSAV+.25		TB000059
4*	235325.40	000040.10	00		B,DMCP		TB000060
5*	235326.00	000041.00	80		,DRET		TB000061
6*	235326.40	000032.02	30	YRLLCG	LV,1,\$1C		TB000062
7*	235327.00	231204.40	80		SIC,YPRRET		TB000063
8*	235327.40	231172.10	00		B,YPR		TB000063
9*	235330.00	231501.01	80		CM1111,YEQJS		TB000064
10*	235331.00	215001.06	80		CMOC00,SPINCL		TB000065
11*	235332.00	231426.31	80	YRLEJJ	BZBZ,YLLSAV.25,\$+3.C		TB000066
12*	235333.00	215571.00	80		SIC,SPRIMR		TB000067
13*	235333.40	215570.10	00		B,SPRIME		TB000068
14*	235334.00	000101.00	80		,DECJ		TB000069
15*	235334.40	235337.00	00		BE,\$+2.32		TB000070
16*	235335.00	215571.00	80	YLREST	SIC,SPRIMR		TB000071
17*	235335.40	215570.04	00		BD,SPRIME	-HAVING DIAGNOSED ERROR FOR P.P.,	TB000072
18*	235336.00	000104.00	80		,DABEQJ	- GO TO ENDCFJOB.	TB000073
19*	235336.40 *	235337.00	00		BE,\$+.32		TB000074
20*	235337.00	000040.10	00		B,DMCP		TB000075
21*	235337.40	000041.00	80		,DRET		TB000076
22*	235340.00	220461.00	80	YARSL	L(BU,18),KSILO+8.,46	-SET UP LIMITS FROM COMMUNICATION REG.	TB000077
23*	235341.00	220462.00	80		LF(BU,18),KSILO+9.,14		TB000078
24*	235342.00	235315.00	80		ST(BU),YRLLL		TB000079
25*	235343.00	235315.31	80		CM1111(BU,1),YRLLL.25		TB000080
26*	235344.00	220462.44	70		LR,\$2,KSILO+9.32		TB000081
27*	235344.40	235314.77	01		LVI,\$15,YLOADA		TB000082
28*	235345.00	235012.50	00		B,ARNRM5		TB000083

LINE	LOCATIONN	BINARY	OUTPUT	NAME	STATEMENT	LOCATIONN
1*				-	*****	TB000085
2*				-	LOADER REJECT - (YLERR2 - YLERR IS CASE WHERE BRANCH CARD IS MI	TB000086
3*				-	SSING) - USE RETURN TO DIAGNOSE ERROR AND GOTO YBRLCG	TB000087
4*				-	*****	TB000088
5*	235345.40	235454.25	01	YSUKFX	LVI,\$10,YSUKM	TB000089
6*	235346.00	235326.50	00		B,YRLLCG	TB000090
7*	235346.40	220453.00	80	YLERR	L(BU,18),KSILO+2.	TB000091
8*	235347.40	232542.00	80		KF(BU,18),ABSSID	TB000092
9*	235350.40	235352.36	C2		BAE,YAERR1	TB000093
10*	235351.00	235374.25	01	YAERR2	LVI,\$10,YLEM1	TB000094
11*	235351.40	235326.50	00		B,YRLLCG	TB000095
12*	235352.00	220462.42	30	YAERR1	LV,\$1,KSILO+9.32 -FETCH END RETURN ON A BSS JOB	TB000096
13*	235352.40	000000.77	81		BZB,.63(\$1),YAERR2	TB000097
14*	235353.40	000001.00	80		LI(BU,18),1. -LIBRARY ROUTINE WAS READ	TB000098
15*	235354.40	232547.00	80		ST(BU,18),ARCDCT	TB000099
16*	235355.40	235001.50	00		B,ARNORM	TB000100
17*	235356.00	235316.40	80	YLERR2	LF(BU,12,3),YLJSLT	TB000101
18*	235357.00	000004.23	02		LCI,\$9,4.0	TB000102
19*	235357.40	000000.23	01		LVI,\$9,0.0	TB000103
20*	235360.00	235360.00	80	YLJL	CT0101(BU,8),\$0(\$9)	TB000104
21*	235361.00	235362.74	C0		BZRZ,\$+1.32	TB000105
22*	235361.40	024000.00	80		LF1(BU,8),(2)00001010,0(\$9)	TB000106
23*	235362.40	000004.23	05		V+I,\$9,4.0	TB000107
24*	235363.00	235360.22	48		CB,\$9,YLJL	TB000108
25*	235363.40	235405.70	80		ST(BU,32),YMLJM+1.56	TB000109
26*	235364.40	235365.77	C1		LVI,\$15,\$+1.0	TB000110
27*	235365.00	230623.04	00		BD,SCA8	TB000111
28*	235365.40	231477.40+			VF,ALD BF+13.32	TB000112
29*	235366.00	000010			CF,8	TB000113
30*	235366.40	235407.00+			VF,YMLJM+3.0	TB000114
31*	235367.00	235316.62	30		LV,\$9,YLJSLT	TB000115
32*	235367.40	000031.00	80		CM0000(BU,12),\$9	TB000116
33*	235370.40	000031.22	80		V+,\$9,\$9	TB000117
34*	235371.00	000031.22	80		V+,\$9,\$9	TB000118
35*	235371.40	235410.00	89		TI,4,YLJMI(\$9),YLJMI	TB000119
36*	235372.40	235404.25	01		LVI,\$10,YMLJM	TB000120
37*	235373.00	235326.50	00		B,YRLLCG	TB000121
38*	235373.40	000000.30	00		CNOP	TB000122
39*	235374.00			YLEM1	(AX)DD(BU),-NO BRANCH CARD IN CURRENT DECK-X	TB000123
40*	235400.00				(AX)DD(BU), JOB REJECTED. X	TB000124
41*	235404.00			YMLJM	(AX)DD(BU),-LOAD. REJ. CD. ID X	TB000125
42*	235410.00	000004.00		YLJMI	DRZ(BU),(4)	TB000126
43*	235414.00				(AX)DD(BU), CHECKSUM ERROR. X	TB000127
44*	235420.00				(AX)DD(BU), SEQUENCE ERROR. X	TB000128
45*	235424.00				(AX)DD(BU), ILLEGAL TYPE OF CARD. X	TB000129
46*	235430.00				(A*)DD(BU), ILLEGAL NON-BSS FUNCTION *	TB000130
47*	235434.00				(AX)DD(BU), TRIED TO LOAD OUTSIDE LIMITS. X	TB000131
48*	235440.00				(AX)DD(BU), C OR P CARD INCORRECTLY PUNCHED X	TB000132
49*	235444.00				(AX)DD(BU), FIRST C CARD HAS NO ORIGIN. X	TB000133
50*	235450.00				(AX)DD(BU),NO ORIGIN IN FIRST CARD. X	TB000134
51*	235454.00			YSUKM	(AX)DD(BU),-JOB CANNOT BE RUN BECAUSE OF INPUT DIFFICULTIES.X	TB000135
52*	235462.10				(AX)DD(BU), X	TB000136
53*	235464.00	001000.00		CDSKBF	DRZ(N),(512) - ***** DISK FETCH BUFFER *****	TC000001
54*	236464.00	000000.00+		ZFINIS	VF,0	TC000002

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				----- DEBUGGER -----	VA000001
2*				PUNFUL	VA000002
3*	236464.31			(CC*)DD(BU,,12),B HED, REP, 22\$DUMP, LOAD,, *	VA000003
4*	236474.65			(CC*)DD(BU,,12), 22\$DUMP*	VA000004
5*				PUNORG	VA000005
6*				PUNID,22\$DUMP	VA000006
7*				RESEQ	VA000007
8*	234424.00			SLC,YMPBUF	VA000008
9*	234424.00	215361.04 30	YDBBEG	LV,\$2,SICBU	VA000009
10*	234424.40	234425.71 01		LVI,\$12,\$+1.0 - TOK DISPLAY IC	VA000010
11*	234425.00	232574.10 00		B,PC4	VA000011
12*				-ANY DEBUGGING ACTIONS DEFINED	VA000012
13*	234425.40	232613.54 80 005000.07 70		CT0011(BU,5),P NSLIN+G DELK -IS ANY OF THE 5 KEYS ON	VA000013
14*	234426.40	234433.74 00		BZRZ,PDB1	VA000014
15*	234427.00	232613.20 80 234433.74 02		BB, PNSLIN+ PSICK, PDB1	VA000015
16*	234430.00	232615.20 80 002000.31 70		CT1100(BU,2), PNSLIN + PDKLS,0 -ARE BOTH ENTER FROM BINARY	VA000016
17*				- KEYS AND DISPLAY ON BINARY KEY LITES SET	VA000017
18*	234431.00	234454.74 02		BRZ, PINC -YES TURN ON INCCMP COMBO LITE	VA000018
19*	234431.40	232615.20 80 234433.74 02		BB,PNSLIN+PDKLS,PDB1 -ANY OF SWITCHES ON	VA000019
20*	234432.40	232615.21 80 234656.74 00		BZB,PNSLIN+ PEBKS, P STR - NONE ON	VA000020
21*	234433.40	234434.35 01	PDB1	LVI,\$14,\$+.32	VA000021
22*	234434.00	232615.21 80 234535.74 06		BBZ,PNSLIN+PEBKS,PEBK -ENTER FROM BINARY KEYS	VA000022
23*	234435.00	234435.75 01		LVI,\$14,\$+.32	VA000023
24*	234435.40	232613.57 80 234502.34 06		BBZ,PNSLIN+PHDK,PH -HOLD KEY ON	VA000024
25*	234436.40	234437.35 01		LVI,\$14,\$+.32	VA000025
26*	234437.00 *	232615.20 80 234507.34 06		BBZ,PNSLIN+PDKLS,PDKL -DISPLAY ON BINARY KEY LITES	VA000026
27*	234440.00	234440.75 01		LVI,\$14,\$+.32	VA000027
28*	234440.40	232613.20 80 234456.74 06		BBZ,PNSLIN+PSICK,PSC -SET IC	VA000028
29*	234441.40	234442.35 01		LVI,\$14,\$+.32	VA000029
30*	234442.00	232613.56 80 234556.74 06		BBZ,PNSLIN+PDUMK,PDUM -DUMP	VA000030
31*	234443.00	234443.75 01		LVI,\$14,\$+.32	VA000031
32*	234443.40	232613.60 80 234656.74 06		BBZ,PNSLIN+PSTK,PSTR -START	VA000032
33*					VA000033
34*				-NO MORE CNSL REQUESTS AND START KEY NOT ON	VA000034
35*	234444.40	232632.22 00	P E1	Z,PCNOUT+2.0	VA000035
36*	234445.00	232632.20 80 001000.36 F0		CM1111(BU,1),PONOUT+PHOLDS -TURN ON HOLD LITE	VA000036
37*	234446.00	232613.04 10	PE4	LX,\$2,PNSLIN -KEY SETTINGS	VA000037
38*	234446.40	232630.05 10		SX,\$2,PONOUT -LEAVE NUM DISPLAY ALONE	VA000038
39*	234447.00	000040.10 00	P E2	B,D MCP	VA000039
40*	234447.40	00001.41 80		,D W S	VA000040
41*	234450.00	000012.00 80		,P C DEF2	VA000041
42*	234450.40	232650.00 80		,P CW5	VA000042
43*	234451.00	234663.40 80 001000.36 F0	PE3	CM1111(BU,1),PHOLDB -HOLD BIT ON	VA000043
44*	234452.00	215571.00 80		SIC, S PRIMR	VA000044
45*	234452.40 *	215570.04 00		BD, S PRIME	VA000045
46*	234453.00	000101.40 80		,D HOLD	VA000046
47*	234453.40	000040.00 00		BE,CMCP	VA000047
48*	234454.00	000041.00 80		, D RET	VA000048
49*	234454.40	232632.22 00	PINC	Z,PCNOUT+2.0	VA000049
50*	234455.00	232632.21 80 001000.36 F0		CM1111(BU,1),PONOUT+PINCS,0	VA000050
51*	234456.00	234446.10 00		B,PE4	VA000051

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					VA000053
2*				-SET INSTRUCTION COUNTER	VA000054
3*	234456.40	234677.40 80	PSC	SIC,PA02	VA000055
4*	234457.00	234666.10 00		B,PA1 -OBTAIN NEW BINARY ADDRESS IN ADDRESS PORTION	VA000055
5*				-OF \$R. \$L=0.	VA000056
6*	234457.40	215361.00 80		ST(BU,24), SIC BU, 40 -NO INSERT IC FOR MAINSTREAM RETURN	VA000057
7*	234460.40	232636.00 80		ST(BU,24),PONOUT+6.0,40	VA000058
8*	234461.40	215334.22 00		Z,SLRBU+8.0	VA000059
9*	234462.00	232607.04 10		LX,\$2,PSETIC	VA000060
10*	234462.40	232633.05 10	PSC3	SX,\$2,PONOUT+3.0	VA000061
11*	234463.00	232614.00 80		L(BU,32), PNSLIN+1.0,0	VA000062
12*	234464.00	232631.00 80		ST(BU,32),PONOUT+1.0	VA000063
13*	234465.00	140000.05 01	PSC5	LVI,\$2,49152.	VA000064
14*	234465.40	000012.05 30		SV,\$2,10.0	VA000065
15*	234466.00 *	000010.00 80		ST(DU,48,8),\$L,8	VA000066
16*				-EXPAND 1ST 6 4 BIT DEC CHARACTERS TO -8 BIT BYTES WITH ZERO BITS = 001	VA000067
17*	234467.00	164000.00 80		CI0011(BU,8),(2)00111010,72	VA000068
18*				-INSERT 1 ZERO BIT + 7 BITS OF -PERIOD.	VA000069
19*	234470.00	000010.70 80		ST(DU,16,8),\$L+0.56,0	VA000070
20*				-EXPAND 2 DECIMAL CHARACTERS TO 8 BIT -BYTES	VA000071
21*	234471.00	232615.13 80		BZB,PNSLIN+POAS,PSC1	VA000072
22*	234472.00	045146.23 80		+I(BU,24),(8)04514623,32	VA000073
23*	234473.00	776000.00 80	PSC2	CI0011(BU,9),(8)776,23	VA000074
24*	234474.00	232634.00 80		CM0101(BU,64),PONOUT+4.0,63	VA000075
25*	234475.00	232635.00 80		CM0101(BU,40),PONOUT+5.0,23	VA000076
26*					VA000077
27*	234476.00	000040.10 00		B,DMCP	VA000078
28*	234476.40	000001.41 80		, D W S	VA000079
29*	234477.00	000012.00 80		, P C DEF2	VA000080
30*	234477.40	232647.00 80		, P CW4	VA000081
31*	234500.00	000001.10 0E		B,1.0(\$14)	VA000082
32*	234500.40	045222.23 80	PSC1	+I(BU,24),(8)04522223,32	VA000083
33*	234501.40 *	234473.10 00		B,PSC2	VA000084
34*					VA000085
35*					VA000086
36*				-HOLD	VA000087
37*	234502.00	232632.22 00	PH	Z,PONOUT+2.0	VA000088
38*	234502.40	232632.20 80		CM1111(BU,1),PONOUT+PHOLDS	VA000089
39*	234503.40	232613.04 10		LX,\$2,PNSLIN	VA000090
40*	234504.00	232630.05 10		SX,\$2,PONOUT	VA000091
41*					VA000092
42*	234504.40	000040.10 00		B,DMCP	VA000093
43*	234505.00	000001.41 80		, D W S	VA000094
44*	234505.40	000012.00 80		, P C DEF2	VA000095
45*	234506.00	232650.00 80		,PCW5	VA000096
46*	234506.40	000001.10 0E		B, 1.0(\$14)	VA000097

LINE	LOCATIONN	BINARY OUTPUT	NAME	STATEMENT	LOCATIONN
1*					VA000099
2*				-	VA000100
3*	234507.00	234535.00 80	P DKL	-DISPLAY ON BINARY KEY-LIGHTS SIC, P LOCK T	VA000101
4*	234507.40	234515.10 00		B, P LT - TO TEST FOR LATCHED KEYS	VA000101
5*	234510.00	234677.40 80		SIC, PA02	VA000102
6*	234510.40	234666.10 00		B, PA1 -OBTAIN ADDR OF LOC TO BE DISPLAYED	VA000102
7*	234511.00	000011.04 30		LV, \$2, \$R	VA000103
8*	234511.40	000000.06 12		LX, \$3, 0(\$2)	VA000104
9*	234512.00	232630.07 10		SX, \$3, PONOUT -SET UP CONTENTS OF LOC TO BE DISPLAYED	VA000105
10*	234512.40	232632.20 80	001000.36 FO	CM1111(BU,1), PONOUT+PHOLDS	VA000106
11*	234513.40	234450.35 01		LVI, \$14, PE3-1.0	VA000107
12*	234514.00	232610.04 10		LX, \$2, PCISKL	VA000108
13*	234514.40	234462.50 00		B, PSC3	VA000109
14*	234515.00 *	232572.00 80	000000.36 FO PLT	CM1111(BU), PLTWA -INSERT ALL 1S	VA000110
15*	234516.00	000040.10 00		B, D MCP	VA000111
16*	234516.40	000001.41 80		, D W S -WRITE SEOP ALL ONES	VA000112
17*	234517.00	000012.00 80		, P C DEF2	VA000113
18*	234517.40	232651.00 80		, PCW6	VA000114
19*	234520.00	000040.10 00		B, D MCP	VA000115
20*	234520.40	000001.01 80		, D RD S -ATTEMPT TO RD SEOP ALL ONES	VA000116
21*	234521.00	000012.00 80		, P C DEF2	VA000117
22*	234521.40	232652.00 80		, PCW7	VA000118
23*	234522.00	000040.10 00		B, DMCP	VA000119
24*	234522.40	000013.40 80		, DWAIT	VA000120
25*	234523.00	000012.00 80		, PCDEF2	VA000121
26*	234523.40	232571.00 80	000000.31 70	CT1100(BU), PLTRA	VA000122
27*	234524.40	234454.74 00		BZRZ, P INC -OUT-KEY LATCHED TO ZERO	VA000123
28*	234525.00	232572.00 80	000000.00 FO	CM0000(BU), PLTWA	VA000124
29*	234526.00	000040.10 00		B, DMCP	VA000125
30*	234526.40	000001.41 80		, D W S -WRITE SEOP ALL ZEROS	VA000126
31*	234527.00	000012.00 80		, P C DEF2	VA000127
32*	234527.40	232651.00 80		, PCW6	VA000128
33*	234530.00	000040.10 00		B, DMCP	VA000129
34*	234530.40 *	000001.01 80		, D RD S -ATTEMPT TO RD SEOP ALL ZEROS	VA000130
35*	234531.00	000012.00 80		, P CDEF2	VA000131
36*	234531.40	232652.00 80		, PCW7	VA000132
37*	234532.00	000040.10 00		B, DMCP	VA000133
38*	234532.40	000013.40 80		, DWAIT	VA000134
39*	234533.00	000012.00 80		, PCDEF2	VA000135
40*	234533.40	232571.00 80	000000.07 70	CT0011(BU), PLTRA	VA000136
41*	234534.40	234454.74 00		BZRZ, P INC -OUT-KEY LATCHED TO ONE	VA000137
42*	234535.00	000000.10 00	P LOCK T	B, 0 -RETURN TO PDKL	VA000138

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*						VA000140
2*					(ENTER FROM BINARY KEYS	VA000141
3*	234535.40	234677.40	80	PEBK	SIC,PA02	VA000142
4*	234536.00	234666.10	00		B,PA1	VA000142
5*	234536.40	000011.06	30		LV,\$3,\$R -PUT STORAGE ADDR IN \$3	VA000143
6*	234537.00	232614.70	80		L(BU,8),PNSLIN+1.56,0 -LOAD N	VA000144
7*	234540.00	776000.00	80		KI(BU,8),(2)1111111,0	VA000145
8*	234541.00	234555.76	C2		BAE,PEBK1 -TO INSERT N=64	VA000146
9*	234541.40	740000.00	80		KFI(BU,4),(2)1111,4	VA000147
10*	234542.40	234664.36	C2		BAE,PERR1	VA000148
11*	234543.00	740000.00	80		KFI(BU,4),(2)1111	VA000149
12*	234544.00 *	234664.36	C2		BAE,PERR1	VA000150
13*	234544.40	000000.00	80		KFI(BU,8),0	VA000151
14*	234545.40	234555.76	C2		BAE,PEBK1	VA000152
15*	234546.00	310000.00	80		KFI(BU,8),(16)64	VA000153
16*	234547.00	234664.37	42		BAH,PERR1	VA000154
17*	234547.40	000011.70	80		LCV(DU,8,4),\$R+0.56,119 -LOAD N INTO VF TO EFFECT LENGTH	VA000155
18*	234550.40	000010.04	30		LV,\$2,\$L	VA000156
19*	234551.00	000022.00	80		CM000(BU,3),\$2	VA000157
20*	234552.00	232613.00	80	PEBK2	L(BU,64),PNSLIN,0	VA000158
21*	234553.00	000000.00	83		ST(BU,0,8),0(\$3),0(\$2) -STORE N BINARY BITS	VA000159
22*	234554.00	232611.04	10		LX,\$2,PENTBK	VA000160
23*	234554.40	234443.75	01		LVI,\$14,PE1-1.0 -NO MORE SCANNING	VA000161
24*					-SCANNING	VA000162
25*	234555.00	234462.50	00		B,PSC3	VA000163
26*	234555.40	000000.05	01	PEBK1	LVI,\$2,0 -SET M=64 I.E. LENGHT = 0	VA000164
27*	234556.00	234552.10	00		B,PEBK2	VA000165
28*						VA000167
29*						VA000167
30*					-DUMP	VA000168
31*	234556.40	232615.15	80	PDUM	CT0011(BU,3),PNSLIN+PFPS	VA000169
32*	234557.40 *	000007.44	30		LV,\$2,7.32	VA000170
33*	234560.00	000001.05	04		KVI,\$2,1.0	VA000171
34*	234560.40	234454.72	40		BZXL,PINC	VA000172
35*	234561.00	232614.00	80		CT1100(BU,32),PNSLIN+1.0	VA000173
36*	234562.00	234454.72	40		BZXL,PINC	VA000174
37*	234562.40	234573.34	C0		BZRZ,PDUM9 -NC-BY PASS	VA000175
38*	234563.00	232614.40	80		CT1100(BU,32),PNSLIN+1.32,0 -RIGHT ADDR. BLANK.	VA000176
39*	234564.00	234664.34	C0		BZRZ,PERR1	VA000177
40*					-OBTAIN RANGE FROM LIMIT CARD	VA000178
41*	234564.40	215324.70	30		LV,\$12,SPPLB	VA000179
42*	234565.00	215324.32	30		LV,\$13,SPPUB	VA000180
43*	234565.40	000034.00	80		L(DU,21,3),\$12,4 -	VA000181
44*	234566.40	232614.00	80		ST(BU,32),PNSLIN+1.0 -	VA000182
45*	234567.40	000035.00	80		L(DU,21,3),\$13,4 -	VA000183
46*	234570.40	232614.40	80		ST(BU,32),PNSLIN+1.32 -	VA000184
47*	234571.40	232615.13	80		CM000(BU,1),PNSLIN+2.11 -	VA000185

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234572
1*	234572.40	234605.10	00		B, P DUM5 -1.0		VA000187
2*	234573.00 *	234677.40	80	PDUM9	SIC,PA02		VA000188
3*	234573.40	234666.10	00		B,PA1 -OBTAIN INITIAL ADDR		VA000188
4*	234574.00	000011.30	30		LV,\$12,\$R -INITIAL ADDR OF DUMP IN \$12		VA000189
5*	234574.40	232614.00	80		L(BU),PNSLIN+1.0,C -LOAD INITIAL AND END ADDR		VA000190
6*	234575.40	232614.40	80		+(BU,32),PNSLIN+1.32,64-ADD END ADDR LEFT OF INT ADDR		VA000191
7*	234576.40	232614.00	80		ST(BU),PNSLIN+1.0,32 -REVERSE ORDER OF INT AND END ADDR)		VA000192
8*	234577.40	234677.40	80		SIC,PA02		VA000193
9*	234600.00	234666.10	00		B,PA1 -OBTAIN END ADDR		VA000194
10*	234600.40	000011.32	30		LV,\$13,\$R -PUT END ADDR IN VF OF \$13		VA000195
11*	234601.00	232614.00	80		L(BU),PNSLIN+1.0,C -LOAD END AND INITIAL ADDRS		VA000196
12*	234602.00	232614.40	80		+(BU,32),PNSLIN+1.32,64-ADD INITIAL ADDR LEFT OF END ADDR		VA000197
13*	234603.00	232614.00	80		ST(BU),PNSLIN+1.0,32 -RESTORE ORDER OF INT AND END ADDRS		VA000198
14*	234604.00	000035.30	90		KV,\$12,\$13		VA000199
15*	234604.40	234664.33	42		BXH,PERR1		VA000200
16*	234605.00	234624.71	D0		SVA,\$12,P DU DAT		VA000201
17*	234605.40	234625.33	D0		SVA,\$13,P DU DAT+.32		VA000202
18*	234606.00 *	232615.15	80	PDUM5	BB,PNSLIN+PFPS,PFPS -FP		VA000203
19*	234607.00	232615.16	80		BB,PNSLIN + P OHSS,POHS - OCT HEX SUPPRESS MNEMONICS		VA000204
20*	234610.00	232615.17	80		BB,PNSLIN+PXWS,PXW -XW		VA000205
21*	234611.00	234625.40	80	P DUM1	CM0000(BU,18),P DU DAT+1.0 -SET TO OCTAL-HEX		VA000206
22*	234612.00	232615.14	80		BB,PNSLIN+PSSRS,PDUM8		VA000207
23*	234613.00	234625.62	80		CM0000(BU,1),P DU DAT+1.18 -PRINT LOWER REGS		VA000208
24*	234614.00	232612.04	10	PDUM7	LX,\$2,PDUMP -		VA000209
25*	234614.40	232633.05	10		SX,\$2,PONOUT+3.0 -INSERT DUMP CHAR CODE		VA000210
26*	234615.00	234650.00	80		SIC,PMES1		VA000211
27*	234615.40	234626.10	00		B,PMES -INSERT ADDR RANGE		VA000211
28*					-WRITE OUT DUMP LINKAGE TYPED MESSAGE		VA000212
29*	234616.00	000040.10	00		B,DMCP -LOG DUMP REQUEST		VA000213
30*	234616.40	000001.41	80		, D W S		VA000214
31*	234617.00	000012.00	80		, P C DEF2		VA000215
32*	234617.40	232647.00	80		, P CW4		VA000216
33*	234620.00	000001.35	05		V+I,\$14,1.0 -		VA000217
34*	234620.40	234622.75	D0		SVA,\$14,PDUM6 -		VA000218
35*	234621.00	000040.10	00		B,D MCP -TO \$DUMP		VA000219
36*	234621.40	000100.00	00		BE, D DUMP		VA000220
37*	234622.00 *	234624.40	80		,P DU DAT		VA000221
38*	234622.40	234622.50	00	PDUM6	B,\$ -		VA000222
39*	234623.00	234625.62	80	P DUM8	CM1111(BU,1),P DU DAT+1.18 -SUPPRESS LOWER REGS		VA000223
40*	234624.00	234614.10	00		B,PDUM7		VA000224
41*	234624.40	000000.00	80	P DU DAT	,0		VA000225
42*	234625.00	000000.00	80		,0		VA000226
43*	234625.40	000000.30	00		NOP,0		VA000227
44*					-		VA000228
45*					-		VA000229
46*					-		VA000230
47*	234626.00	232614.40	80	PMES	L(BU,32),PNSLIN+1.32,0 -PUT END ADDR IN \$R		VA000231
48*	234627.00	140000.05	01		LVI,\$2,49152. -2 TO 14TH PLUS 2TO 15TH		VA000232
49*	234627.40	000012.05	30		SV,\$2,10.0 -SET ZONE BITS=0011		VA000233
50*	234630.00	000010.00	80		ST(DU,48,8),\$L,8 -EXPAND 1ST 6 4 BIT NEC CHAYS OF END		VA000234

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	-ADD2	VA000236
2*			-	-TC 8BIT BYTES. BITS 0-47 OF \$L	VA000237
3*	234631.00	164000.00 80 410044.06 70		CI0011(BU,8),(2)00111010,72 -INSERT 1 ZERO BIT 8 7BITS OF	VA000238
4*			-	-PERIOD	VA000239
5*	234632.00	000010.70 80 020000.24 DC		ST(CU,16,8),\$L+0.56,0 -EXPAND THE 2 4 BIT DEC BIT ADDR	VA000240
6*			-	-TC 8 BIT BYTES	VA000241
7*	234633.00	232615.13 80 234650.74 00		BZB,PNSLIN+POAS,PMES2 -TO INSERT (0)	VA000242
8*	234634.00	045146.23 80 430020.20 10		+I(BU,24),(8)04514623,32 -INSERT 0 BIT + 23 BITS OF (D)	VA000243
9*	234635.00 *	776000.00 80 411013.46 70	PMES3	CI0011(BU,9),(8)776,23 -INSERT 24TH BIT OF) + END CODE	VA000244
10*	234636.00	232635.10 80 010000.00 FO		CM0000(BU,8),PONOUT+5.08,C -INSERT SPACE BETWEEN INITIAL	VA000245
11*			-	-ADDR + END ADDR	VA000246
12*	234637.00	232635.20 80 000037.52 FO		CM0101(BU,64),PONOUT+5.16,63 -INSERT END ADDR-	VA000247
13*	234640.00	232636.20 80 050013.52 FO		CM0101(BU,40),PONOUT+6.16,23 -XXXXXX.XX(D) END CODE	VA000248
14*	234641.00	232614.00 80 040000.20 50		L(BU,32),PNSLIN+1.0,0 -PUT INITIAL ADDR IN \$R	VA000249
15*	234642.00	140000.05 01		LVI,\$2,49152.	VA000250
16*	234642.40	000012.05 30		SV,\$2,10.0 -SET ZONE BITS=0011	VA000251
17*	234643.00	000010.00 80 060004.24 DC		ST(DU,48,8),\$L,8 -EXPAND BIT 6 4 BIT CHAR OF INITIAL ADDR	VA000252
18*	234644.00	164000.00 80 410044.06 70		CI0011(BU,8),(2)00111010,72 -PUT 1 ZERO BIT + 7 BITS OF PERIOD	VA000253
19*	234645.00	000010.70 80 020000.24 DC		ST(DU,16,8),\$L+0.56,0 -FIND CHAR=0 OF PREVIOUS LOAD UNITS	VA000254
20*	234646.00	232634.00 80 000037.52 FO		CM0101(BU,64),PONOUT+4.0,63 -INSERT INITIAL ADDR-	VA000255
21*	234647.00	232635.00 80 010033.52 FO		CM0101(BU,8),PONOUT+5.0,55 -XXXXXX.XX	VA000256
22*	234650.00	000000.10 00	PMES1	B,0	VA000257
23*	234650.40 *	045222.23 80 430020.20 10	PMES2	+I(BU,24),(8)04522223,32	VA000258
24*	234651.40	234635.10 00		B,PMES3	VA000259
25*	234652.00	000001.01 01	P FP	LVI,\$0,1.0 - FL PT FORMAT	VA000260
26*	234652.40	234625.41 DC		SVA,\$0,PDUDAT+1.0 -	VA000261
27*	234653.00	234612.10 00		B, P DUM1 + 1.0	VA000262
28*	234653.40	000017.01 01	P CHS	LVI,\$0,15.0 -O-H WITH MNEMONIC SUPPRESSION FORMAT	VA000263
29*	234654.00	234625.41 DC		SVA,\$0,PDUDAT+1.0 -	VA000264
30*	234654.40	234612.10 00		B, P DUM1 + 1.0	VA000265
31*	234655.00	000002.01 01	P XW	LVI,\$0,2.0 - XW FRMAT	VA000266
32*	234655.40	234625.41 DC		SVA,\$0,PDUDAT+1.0 -	VA000267
33*	234656.00	234612.10 00		B, P DUM1 + 1.0	VA000268
34*			-		VA000269
35*			-		VA000270
36*			-	-START	VA000271
37*	234656.40	232632.20 80 001000.00 FO	P STR	CM0000(BU,1),PONOUT+PHOLDS -TURN OFF HOLD LITE	VA000272
38*	234657.40	000040.10 00		B,D MCP	VA000273
39*	234660.00	000001.41 80		,D W S	VA000274
40*	234660.40	000012.00 80		,P C DEF2	VA000275
41*	234661.00	232650.00 80		,P CW5	VA000276
42*	234661.40	234663.40 80 001000.00 FO		CM0000(BU,1),PHOLDB -TURN OFF HOLD BIT	VA000277
43*	234662.40	000040.10 00		B,D MCP	VA000278
44*	234663.00	000041.00 80		, D RET	VA000279
45*	234663.40	000000.00+	P HOLD B	VF,0.0	VA000280
46*				CNOP,	VA000281
47*	234664.00	232632.22 00	PERR1	Z,PCNOUT+2.0	VA000282

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234664
1*	234664.40 *	232632.22 80	001000.36 FC	CM1111(BU,1),PONCUT+PIASS	-INCOM. ADDR. LIGHT ON	VA000284
2*	234665.40	234446.10 CO		B,PE4	-	VA000285
3*						VA000286
4*						VA000287
5*				-SUBROUTINE PA1		VA000288
6*	234666.00	232614.00 80	040000.60 50	PA1	L(BU,32),PNSLIN+1.0,1 -LOAD FROM LEFT NUMERICAL SWITCHES	VA000289
7*	234667.00	232605.04 10			LX,\$2,PK1	VA000290
8*	234667.40	740000.00 80	404000.21 12	P A01	KI(BU,4), (2)1111,0(\$2) - CHECK DIGITWISE FOR BLANKS	VA000291
9*	234670.40	234664.36 C2			BAE,PERR1	VA000292
10*	234671.00	000002.05 OD			V-1,\$2,2.0 -SUBTRACT 4 FROM OFFSET	VA000293
11*	234671.40	234667.44 4C			CBR,\$2,PA01	VA000294
12*	234672.00	232615.13 80	234700.34 0C		BZB,PNSLIN+POAS,PA03 -OCTAL SWITCH ON	VA000295
13*	234673.00	000011.67 80	010400.26 30		LTRCV(DU,8,4),\$R+0.55 -CONVERT BIT ADDR TO \$TR	VA000296
14*	234674.00	000011.37 80	030427.24 30		LCV(DU,24,4),\$R+0.31,46 -CONVERT WORD ADDR TO \$R	VA000297
15*	234675.00	000017.65 80	007024.20 10		+(BU,7,8),\$TR+0.53,40 -WORD ADDR + BIT ADDR	VA000298
16*	234676.00	215012.40 80	030024.21 10	PA04	K(BU,24,8),PINVAD,40 -IS ADDR INVALID	VA000299
17*	234677.00	234664.36 40			BZAL,PERR1	VA000300
18*	234677.40	000000.10 00		PAC2	B,0 -LINK OUT	VA000301
19*	234700.00 *	000010.00 80	010102.24 D0	PAC3	ST(DU,8,1),\$L,4 -ANY LEAD BIT = 1	VA000302
20*	234701.00	234664.34 CO			BZRZ,PERR1	VA000303
21*	234701.40	232614.00 80	040000.20 50		L(BU,32),PNSLIN+1.0,0	VA000304
22*	234702.40	000011.00 80	030300.24 D0		ST(DU,24,3),\$R,0 -REMOVE LEAD BIT FROM EACH DEC CHAR	VA000305
23*	234703.40	234676.10 00			B,PA04	VA000306

LINE	LOCATICN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*					DUMP	
2*	234704.00	234704.10	00	APUML6	B,\$	VB000001
3*	234704.40	000000.00	80	AWDUMP	TI,3,0.,ABUFF	VB000002
4*	234705.40	215324.00	80		TI,16,SLRBU,ABUFF+3.	VB000003
5*	234706.40	215344.00	80		TI,13,SLRBU+16.,ABUFF+19.	VB000004
6*	234707.40	215361.00	80		TI,1,SICBU,ABUFF+32.	VB000005
7*	234710.40	236147.02	80		CM0000(BU,2),ASPUBI	VB000006
8*	234711.40	000020.22	00		Z,\$0	VB000007
9*	234712.00	234422.00	30		LV,\$0,PDUMPT+3.	VB000008
10*	234712.40	234717.41	D0		SVA,\$0,APUMP9	VB000009
11*	234713.00	234417.04	80	ADMP1	BB,PDUMPT.4,APUMP8	VB000010
12*	234714.00	215324.40	90		KV,\$0,SPPLB	VB000011
13*	234714.40	235235.32	42		BXL,AUNERR	VB000012
14*	234715.00	215324.00	90		KV,\$0,SPPUB	VB000013
15*	234715.40	235235.33	42		BXH,AUNERR	VB000014
16*	234716.00	236065.00	80	APUMP8	TI,15,ABUFF+17.,\$1	VB000015
17*	234717.00	234717.44	00		BD,\$.32	VB000016
18*	234717.40	234717.43	80	APUMP9	LVE,\$1,\$	VB000017
19*	234720.00	000021.20	80		CM0000(BU,9),\$1.16	VB000018
20*	234721.00	236425.03	D0		SVA,\$1,ADMPBG	VB000019
21*	234721.40	236065.00	80		TI,1,ABUFF+17.,\$1	VB000020
22*	234722.40	000000.41	05		V+I,\$0,.32	VB000021
23*	234723.00	234723.41	D0		SVA,\$0,\$.32	VB000022
24*	234723.40	234723.43	80		LVE,\$1,\$	VB000023
25*	234724.00	000001.03	05		V+I,\$1,1.	VB000024
26*	234724.40	236162.03	D0		SVA,\$1,ADMPND	VB000025
27*	234725.00	236065.00	80		TI,1,ABUFF+17.,\$1	VB000026
28*	234726.00	000000.41	05		V+I,\$0,.32	VB000027
29*	234726.40	234727.01	D0		SVA,\$0,\$.32	VB000028
30*	234727.00	234727.31	80		LVE,\$12,\$	VB000029
31*	234727.40	234730.10	C6		BUSAZ,\$.32	VB000030
32*	234730.00	234730.50	46		BADZ,\$.32	VB000031
33*	234730.40	234731.00	00		BE,\$.32	VB000032
34*	234731.00	236425.32	30		LV,\$13,ADMPBG	VB000033
35*	234731.40	236162.04	30		LV,\$2,ADMPND	VB000034
36*	234732.00	234417.04	80		BB,PDUMPT.4,ADMPPR	VB000035

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	234733
1*	234733.00	215324.72	90		KV,\$13,SPPLB		VB000038
2*	234733.40	234740.32	40		BZXL,APUMP5		VB000039
3*	234734.00	236147.03	80	234736.34	OC		VB000040
4*	234735.00	236147.02	80	235231.34	02		VB000041
5*	234736.00	215324.72	30		LV,\$13,SPPLB		VB000042
6*	234736.40	000035.20	80	011000.00	FO		VB000043
7*	234737.40	236425.33	D0		SVA,\$13,ADMPBG		VB000044
8*	234740.00	215012.44	90	APUMP5	KV,\$2,SMARK		VB000045
9*	234740.40	234744.73	40		BZXH,ADMPPR		VB000046
10*	234741.00	236147.02	80	234743.34	OC		VB000047
11*	234742.00	* 236147.03	80	235231.34	02		VB000048
12*	234743.00	215012.44	30		LV,\$2,SMARK		VB000049
13*	234743.40	000001.05	05		V+I,\$2,1.		VB000050
14*	234744.00	236162.05	D0		SVA,\$2,ADMPND		VB000051
15*	234744.40	000035.04	90	ADMPPR	KV,\$2,\$13		VB000052
16*	234745.00	235231.33	40		BZXH,ADLWER		VB000053
17*	234745.40	000034.22	80	234747.74	04		VB000054
18*	234746.40	234763.23	80	001000.00	FO		VB000055
19*	234747.40	000002.31	04		KVI,\$12,2.		VB000056
20*	234750.00	234751.73	40		BZXH,\$+1.32		VB000057
21*	234750.40	000017.31	04		KVI,\$12,15.		VB000058
22*	234751.00	235231.32	C0		BZXE,ADLWER		VB000059
23*	234751.40	000034.16	80	004066.60	50		VB000060
24*	234752.40	000010.30	30		LV,\$12,\$L		VB000061
25*	234753.00	000020.02	30	APUMP6	LV,\$1,\$0		VB000062
26*	234753.40	000000.30	81	235221.74	00		VB000063
27*	234754.40	235226.11	01		BZB,.24(\$1),ALSRQ		VB000064
28*	234755.00	234704.11	D0		LVI,\$4,APUML7		VB000065
29*	234755.40	000000.41	05		SVA,\$4,APUML6		VB000066
30*	234755.40	000000.41	05		V+I,\$0,.32		VB000066
31*	234756.00	* 234717.41	D0		SVA,\$0,APUMP9		VB000067
32*	234756.40	236105.35	01		LVI,\$14,APCOL1		VB000068
33*	234757.00	235210.40	80		SIC,AINTLB		VB000069
34*	234757.40	235205.50	00		B,AINITL		VB000069
35*	234760.00	236126.35	01		LVI,\$14,AMNMBF		VB000070
36*	234760.40	235210.40	80		SIC,AINTLB		VB000071
37*	234761.00	235205.50	00		B,AINITL		VB000071
38*	234761.40	000021.27	01		LVI,\$11,17.		VB000072
39*	234762.00	235327.40	80		SIC,AWRITB		VB000073
40*	234762.40	235325.50	00		B,AWRITE		VB000073
41*	234763.00	235175.30	00	APANEL	NCP,AFORMAT-.32		VB000074
42*	234763.40	236161.74	30		LV,\$14,AMNTOP		VB000075
43*	234764.00	106314.00	80	420000.06	70		VB000076
44*	234765.00	000000.30	8E	120000.12	FO		VB000077
45*	234766.00	236104.32	30		LFI(BU,16),(8)021463 -LC		VB000078
46*	234766.40	235373.00	80		SF(BU,16)(V+I),.24(\$14)		VB000079
47*	234767.00	235370.10	C0		LV,\$13,ABUFF+32.		VB000080
48*	234767.40	166000.00	80	410004.06	70		VB000081
49*	234770.40	777777.60	8E	020000.12	FO		VB000082
50*	234771.40	* 000000.75	05		B,ALCRFB		VB000080
					V+I,\$14,.32		VB000083

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	234772	
1*	234772.00	162114.00	80	420000.06	7C	LFI(BU,16),(8)034423	-IT	VB000085
2*	234773.00	000000.30	8E	120000.12	FC	SF(BU,16)(V+I),.24(\$14)		VB000086
3*	234774.00	236045.00	80	001030.20	50	L(BU,1),ABUFF+1.,48		VB000087
4*	234775.00	236045.01	80	022300.06	70	LF(BU,18,3),ABUFF+1.1		VB000088
5*	234776.00	235376.40	80			SIC,AOCTLB		VB000089
6*	234776.40	235373.50	00			B,ACCTLC		VB000089
7*	234777.00	000001.30	8E	170000.12	FO	SF(BU,56)(V+I),1.24(\$14)		VB000090
8*	235000.00	050310.00	80	420000.06	70	LFI(BU,16),(8)012062	-UB	VB000091
9*	235001.00	000000.30	8E	120000.12	FC	SF(BU,16)(V+I),.24(\$14)		VB000092
10*	235002.00	236047.00	80	022300.06	7C	LF(BU,18,3),ABUFF+3.		VB000093
11*	235003.00	235376.40	80			SIC,AOCTLB		VB000094
12*	235003.40	235373.50	00			B,ACCTLC		VB000094
13*	235004.00	000001.20	8E	160000.12	FC	SF(BU,48,8)(V+I),1.16(\$14)		VB000095
14*	235005.00 *	106310.00	80	420000.06	7C	LFI(BU,16),(8)021462	-LB	VB000096
15*	235006.00	000000.30	8E	120000.12	FO	SF(BU,16)(V+I),.24(\$14)		VB000097
16*	235007.00	236047.40	80	022300.06	7C	LF(BU,18,3),ABUFF+3.32		VB000098
17*	235010.00	235376.40	80			SIC,AOCTLB		VB000099
18*	235010.40	235373.50	00			B,ACCTLC		VB000099
19*	235011.00	000001.20	8E	160000.12	FO	SF(BU,48,8)(V+I),1.16(\$14)		VB000100
20*	235012.00	236223.30	80	030000.06	70	LF(BU,24),ALZC	-LZC	VB000101
21*	235013.00	000000.40	8E	130000.12	FO	SF(BU,24)(V+I),.32(\$14)		VB000102
22*	235014.00	236053.21	80	001010.20	50	L(BU,1),ABUFF+7.17,16		VB000103
23*	235015.00	236053.22	80	006300.06	70	LF(BU,6,3),ABUFF+7.18		VB000104
24*	235016.00	235376.40	80			SIC,AOCTLB		VB000105
25*	235016.40	235373.50	00			B,ACCTLC		VB000105
26*	235017.00	000000.70	8E	130000.12	FO	SF(BU,24)(V+I),.56(\$14)		VB000106
27*	235020.00 *	236223.60	80	030000.06	70	LF(BU,24),AAOC		VB000107
28*	235021.00	000000.40	8E	130000.12	FO	SF(BU,24)(V+I),.32(\$14)		VB000108
29*	235022.00	236053.54	80	001010.20	50	L(BU,1),ABUFF+7.44,16		VB000109
30*	235023.00	236053.55	80	006300.06	70	LF(BU,6,3),ABUFF+7.45		VB000110
31*	235024.00	235376.40	80			SIC,AOCTLB		VB000111
32*	235024.40	235373.50	00			B,ACCTLC		VB000111
33*	235025.00	000000.70	8E	130000.12	FO	SF(BU,24)(V+I),.56(\$14)		VB000112
34*	235026.00	154114.00	80	420000.06	70	LFI(BU,16),(8)033023	-FT	VB000113
35*	235027.00	000000.30	8E	120000.12	FO	SF(BU,16)(V+I),.24(\$14)		VB000114
36*	235030.00	236062.03	01			LVI,\$1,ABUFF+14.		VB000115
37*	235030.40	235221.00	80			SIC,AFTRMB		VB000116
38*	235031.00	235211.10	00			B,AFTRMT		VB000116
39*	235031.40	235327.40	80			SIC,AWRITB		VB000117
40*	235032.00	235325.50	00			B,AWRITE		VB000117
41*						PANEL 2ND LINE		VB000118
42*	235032.40	236126.35	01			LVI,\$14,AMNMBF		VB000119
43*	235033.00	235210.40	80			SIC,AINTLB		VB000120
44*	235033.40	235205.50	00			B,AINITL		VB000120
45*	235034.00 *	142314.00	80	420000.06	7C	LFI(BU,16),(8)030463	-AC	VB000121
46*	235035.00	000000.10	8E	020000.12	FO	SF(BU,16),.8(\$14)		VB000122
47*	235036.00	000000.75	05			V+I,\$14,.32		VB000123
48*	235036.40	236150.02	10			LX,\$1,APNLW1		VB000124
49*	235037.00	000000.02	81	102010.20	50	L(BU,2)(V+I),.2(\$1),16		VB000125
50*	235040.00	000000.06	81	106300.06	70	LF(BU,6,3)(V+I),.6(\$1)		VB000126

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235041
1*	235041.00	235376.40	80		SIC, AOCTLB		VB000128
2*	235041.40	235373.50	00		B, ACCTLC		VB000128
3*	235042.00	000000.40	8E	130000.12	FO		VB000129
4*	235043.00	000000.30	81	130300.06	70	APNLP1	VB000130
5*	235044.00	235376.40	80		SIC, AOCTLB		VB000131
6*	235044.40	235373.50	00		B, ACCTLC		VB000131
7*	235045.00	000001.10	8E	100000.20	DO		VB000132
8*	235046.00	235043.02	48		CB, \$1, APNLP1		VB000133
9*	235046.40	000000.75	05		V+I, \$14, .32		VB000134
10*	235047.00	* 044310.00	80	420000.06	70		VB000135
11*	235050.00	000000.30	8E	120000.12	FO		VB000136
12*	235051.00	236056.00	80	010100.06	70		VB000137
13*	235052.00	235376.40	80		SIC, AOCTLB		VB000138
14*	235052.40	235373.50	00		B, ACCTLC		VB000138
15*	235053.00	236056.04	80	235055.74	02		VB000139
16*	235054.00	140000.00	80	410014.06	70		VB000140
17*	235055.00	235056.50	00		B, \$+1.32		VB000141
18*	235055.40	100000.00	80	410014.06	70		VB000142
19*	235056.40	000001.40	8E	100000.20	DO		VB000143
20*	235057.40	122220.00	80	420000.06	70		VB000144
21*	235060.40	000000.30	8E	120000.12	FO		VB000145
22*	235061.40	236061.03	01		LVI, \$1, ABUFF+13.		VB000146
23*	235062.00	235221.00	80		SIC, AFTRMB		VB000147
24*	235062.40	235211.10	00		B, AFTRMT		VB000147
25*	235063.00	* 235327.40	80		SIC, AWRITB		VB000148
26*	235063.40	235325.50	00		B, AWRITE		VB000148
27*					PANEL 3RD LINE		VB000149
28*	235064.00	236126.35	01		LVI, \$14, AMNMBF		VB000150
29*	235064.40	235210.40	80		SIC, AINTLB		VB000151
30*	235065.00	235205.50	00		B, AINITL		VB000151
31*	235065.40	000000.75	05		V+I, \$14, .32		VB000152
32*	235066.00	236224.10	80	030000.06	70		VB000153
33*	235067.00	000000.40	8E	130000.12	FO		VB000154
34*	235070.00	236151.02	10		LX, \$1, APNLW2		VB000155
35*	235070.40	000000.10	81	110100.06	70	APNLP2	VB000156
36*	235071.40	235376.40	80		SIC, AOCTLB		VB000157
37*	235072.00	235373.50	00		B, ACCTLC		VB000157
38*	235072.40	000001.00	8E	100000.20	DO		VB000158
39*	235073.40	235070.42	48		CB, \$1, APNLP2		VB000159
40*	235074.00	000000.10	81	110100.06	70		VB000160
41*	235075.00	235376.40	80		SIC, AOCTLB		VB000161
42*	235075.40	235373.50	00		B, ACCTLC		VB000161
43*	235076.00	* 000000.50	8E	140020.12	FO		VB000162
44*	235077.00	000000.40	8E	140000.12	FO		VB000163
45*	235100.00	000003.03	02		LCI, \$1, 3		VB000164
46*	235100.40	000000.10	81	110100.06	70	APNLP3	VB000165
47*	235101.40	235376.40	80		SIC, AOCTLB		VB000166
48*	235102.00	235373.50	00		B, ACCTLC		VB000166
49*	235102.40	000001.00	8E	100000.20	DO		VB000167
50*	235103.40	235100.42	48		CB, \$1, APNLP3		VB000168

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	235104
1*	235104.00	236155.34 80		V+,\$14,APT8		VB000170
2*	235104.40	000002.03 02		LCI,\$1,2		VB000171
3*	235105.00	000000.10 81	110100.06 70	APNLP4 LF(BU,8,1)(V+I),.8(\$1)		VB000172
4*	235106.00	235376.40 80		SIC,AOCTLB		VB000173
5*	235106.40	235373.50 00		B,ACCTLC		VB000173
6*	235107.00	000001.00 8E	100000.20 DO	ST(BU,64)(V+I),1.(\$14)		VB000174
7*	235110.00	235105.02 48		CB,\$1,APNLP4		VB000175
8*	235110.40	000000.75 05		V+I,\$14,.32		VB000176
9*	235111.00	000035.22 00		Z,\$13	-SET UP \$MR	VB000177
10*	235111.40	236050.33 01		LVI,\$13,ABUFF+4.		VB000178
11*	235112.00 *	236147.05 80	001000.36 FO	CM1111,APNLI		VB000179
12*	235113.00	000001.33 02		LCI,\$13,1		VB000180
13*	235113.40	110244.00 80	420000.06 70	LFI(BU,16),(16)2429	-MR	VB000181
14*	235114.40	000000.40 8E	120000.12 FO	SF(BU,16)(V+I),.32(\$14)		VB000182
15*	235115.40	235726.10 00		B,ACNVER		VB000183
16*				PANEL 4TH LINE		VB000184
17*	235116.00	236126.35 01		APNLP4 LVI,\$14,AMNMBF		VB000185
18*	235116.40	235210.40 80		SIC,AINTLB		VB000186
19*	235117.00	235205.50 00		B,AINITL		VB000186
20*	235117.40	236231.50 80	040000.06 70	LF(BU,32),AMASK		VB000187
21*	235120.40	000000.30 8E	040000.12 FO	SF(BU,32),.24(\$14)		VB000188
22*	235121.40	236160.74 80		V+,\$14,A3PT40		VB000189
23*	235122.00	236152.02 10		LX,\$1,APNLW3		VB000190
24*	235122.40	000000.10 81	110100.06 70	APNLP6 LF(BU,8,1)(V+I),.8(\$1)		VB000191
25*	235123.40	235376.40 80		SIC,AOCTLB		VB000192
26*	235124.00	235373.50 00		B,ACCTLC		VB000192
27*	235124.40	000001.00 8E	100000.20 DO	ST(BU,64)(V+I),1.(\$14)		VB000193
28*	235125.40 *	235122.42 48		CB,1,APNLP6-1.		VB000194
29*	235126.00	000000.00 81	004100.06 70	LF(BU,4,1),(\$1)		VB000195
30*	235127.00	235376.40 80		SIC,AOCTLB		VB000196
31*	235127.40	235373.50 00		B,ACCTLC		VB000196
32*	235130.00	000003.00 8E	140000.12 FO	SF(BU,32)(V+I),3.(\$14)		VB000197
33*	235131.00	236231.00 80	050000.06 70	LF(BU,40),ATR16		VB000198
34*	235132.00	000000.60 8E	150000.12 FO	SF(BU,40)(V+I),.48(\$14)		VB000199
35*	235133.00	236153.02 10		LX,\$1,APNLW4		VB000200
36*	235133.40	000000.04 81	104065.60 50	APNLP7 L(BU,4)(V+I),.4(\$1),-21		VB000201
37*	235134.40	000010.32 30		LV,\$13,\$L		VB000202
38*	235135.00	236232.10 80	010000.06 70	LF(BU,8),AHXTB(\$13)		VB000203
39*	235136.00	000000.10 8E	110000.12 FO	SF(BU,8)(V+I),.8(\$14)		VB000204
40*	235137.00	235133.42 48		CB,\$1,APNLP7		VB000205
41*	235137.40	236225.00 80	236143.10 A0	TI,4,AMCMDE,AMNMBF+13.		VB000206
42*	235140.40 *	215021.75 80	235143.34 02	BB,SPROGS+SSIO,\$+2.32	-SIO MODE	VB000207
43*	235141.40	122000.00 80	410000.06 70	LFI(BU,8),(16)29	-R	VB000208
44*	235142.40	235144.10 00		B,\$+1.32		VB000209
45*	235143.00	044000.00 80	410000.06 70	LFI(BU,8),(16)12	-S	VB000210
46*	235144.00	000000.40 8E	010000.12 FO	SF(BU,8),.32(\$14)		VB000211
47*	235145.00	215021.31 80	235150.34 00	BZB,SAS+SPROGS,\$+3.C		VB000212
48*	235146.00	040100.20 80	430000.06 70	LFI(BU,24),(16)101010	-3 BLANKS	VB000213
49*	235147.00	000001.10 8E	030000.12 FO	SF(BU,24),.72(\$14)		VB000214
50*	235150.00	235327.40 80		SIC,AWRITB		VB000215
51*	235150.40	235325.50 00		B,AWRITE		VB000215

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	235151
1*	235151.00	236126.35 01		LVI,\$14,AMNMBF		VB000217
2*	235151.40	235210.40 80		SIC,AINTL8		VB000218
3*	235152.00	235205.50 00		B,AINITL		VB000218
4*	235152.40	235327.40 80		SIC,AWRITB		VB000219
5*	235153.00	235325.50 00		B,AWRITE		VB000219
6*			-	INDEX REGISTERS		VB000220
7*	235153.40	236154.32 10		LX,\$13,APNLW5		VB000221
8*	235154.00	000004.35 02		LCI,\$14,4		VB000222
9*	235154.40 *	235244.23 80		CM0000(BU,1),ANDX3.19		VB000223
10*	235155.40	235271.63 80		CM0000(BU,1),ANDX4.19		VB000224
11*	235156.40	000000.03 01		LVI,\$1,0		VB000225
12*	235157.00	235240.10 00		B,ANDXWD.32		VB000226
13*	235157.40	236161.74 30	APNL1	LV,\$14,AMNTOP		VB000227
14*	235160.00	000004.03 02		LCI,\$1,4		VB000228
15*	235160.40	236156.74 80		V+,\$14,APT40		VB000229
16*	235161.00	056000.00 80		LFI(BU,8),(8)27,72		VB000230
17*	235162.00	236232.10 81	APNLP8	LF(BU,8),AHXTB(\$1),64		VB000231
18*	235163.00	000004.00 8E		SF(BU,16)(V+I),4.(\$14),64		VB000232
19*	235164.00	236155.02 80		V+,\$1,APT8		VB000233
20*	235164.40	235162.02 48		CB,\$1,APNLP8		VB000234
21*	235165.00	235327.40 80		SIC,AWRITB		VB000235
22*	235165.40	235325.50 00		B,AWRITE		VB000235
23*	235166.00	000004.33 02		LCI,\$13,4		VB000236
24*	235166.40	236126.35 01		LVI,\$14,AMNMBF		VB000237
25*	235167.00	236157.74 80		V+,\$14,A1PT8		VB000238
26*	235167.40	235251.74 48		CB,\$14,ANDX1		VB000239
27*	235170.00 *	235244.23 80		CM1111(BU,1),ANDX3.19		VB000240
28*	235171.00	235271.63 80		CM1111(BU,1),ANDX4.19		VB000241
29*	235172.00	000033.00 80		CM0000(BU,19),\$11		VB000242
30*	235173.00	235327.40 80		SIC,AWRITB		VB000243
31*	235173.40	235325.50 00		B,AWRITE		VB000243
32*	235174.00	236425.32 30		LV,\$13,ADMPPB		VB000244
33*	235174.40	235233.70 00	ANCRMP	NOP,APUMP7		VB000245
34*	235175.00	235175.50 00		B,AFORMAT(\$12)		VB000246
35*	235175.40	235275.50 00	AFCRMT	B,ACCTLH	-0 CCTAL HEX	VB000247
36*	235176.00	235713.50 00		B,AFLPNT	-1 FLOATING POINT	VB000248
37*	235176.40	235237.50 00		B,ANDXWD	-2 INDEX WORD	VB000249
38*	235177.00	235275.50 00		B,ACCTLH	-3 UNDEFINED	VB000250
39*	235177.40	235275.50 00		B,ACCTLH	-4-UNDEFINED	VB000251
40*	235200.00	235275.50 00		B,ACCTLH	-5-UNDEFINED	VB000252
41*	235200.40	235275.50 00		B,ACCTLH	-6-UNDEFINED	VB000253
42*	235201.00	235275.50 00		B,ACCTLH	-7-UNDEFINED	VB000254
43*	235201.40	235275.50 00		B,ACCTLH	-8-UNDEFINED	VB000255
44*	235202.00	235275.50 00		B,ACCTLH	-9-UNDEFINED	VB000256
45*	235202.40	235275.50 00		B,ACCTLH	-10-UNDEFINED	VB000257
46*	235203.00	235275.50 00		B,ACCTLH	-11-UNDEFINED	VB000258
47*	235203.40 *	235275.50 00		B,ACCTLH	-12-UNDEFINED	VB000259
48*	235204.00	235275.50 00		B,ACCTLH	-13-UNDEFINED	VB000260
49*	235204.40	235275.50 00		B,ACCTLH	-14-UNDEFINED	VB000261
50*	235205.00	235275.50 00		B,ACCTLH	-15-NO MNEMONICS	VB000262

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235205
1*	235205.40	236216.00	80	000000.02 AE	AINITL	TI,1,APLC,(\$14)	VB000264
2*	235206.40	236220.00	80	000001.02 AE		TI,1,ABLNC,1.(\$14)	VB000265
3*	235207.40	000001.00	8E	000002.36 AE		TI,15,1.(\$14),2.(\$14)	VB000266
4*	235210.40	235210.50	00		AINTLB	B,\$	VB000267
5*	235211.00	000000.01	81	101024.20 5C	AFTRMT	L(BU,1)(V+I),.1(\$1),40	VB000268
6*	235212.00	000000.17	81	117300.06 7C		LF(BU,15,3)(V+I),.15(\$1)	VB000269
7*	235213.00	235376.40	80			SIC,ACCTLB	VB000270
8*	235213.40	235373.50	00			B,ACCTLC	VB000270
9*	235214.00	000000.60	8E	160000.12 FO		SF(BU,48)(V+I),.48(\$14)	VB000271
10*	235215.00	000002.03	02			LCI,\$1,2	VB000272
11*	235215.40	000000.30	81	130300.06 7C	APNLP5	LF(BU,24,3)(V+I),.24(\$1)	VB000273
12*	235216.40	235376.40	80			SIC,ACCTLB	VB000274
13*	235217.00 *	235373.50	00			B,ACCTLC	VB000274
14*	235217.40	000001.00	8E	100000.20 DO		ST(BU,64)(V+I),1.(\$14)	VB000275
15*	235220.40	235215.42	48			CB,\$1,APNLP5	VB000276
16*	235221.00	235221.10	00		AFTRMB	B,\$	VB000277
17*	235221.40	235223.11	01		ALSRQ	LVI,\$4,APUMP1	VB000278
18*	235222.00	234704.11	00			SVA,\$4,APUML6	VB000279
19*	235222.40	234755.50	00			B,APUMP6+2.32	VB000280
20*	235223.00	236063.00	80	000020.00 AO	APUMP1	TI,16,ABUFF+15.,\$0	VB000281
21*	235224.00	234763.23	80	001000.36 FO		CM1111(BU,1),APANEL.19	VB000282
22*	235225.00	000040.10	00			B,DMCP	VB000283
23*	235225.40	000041.00	80			,DRET	VB000283
24*	235226.00	234717.40	30		APUML7	LV,\$0,APUMP9	VB000284
25*	235226.40	000020.23	80	006000.00 FO		CM0000(BU,6),\$0.19	VB000285
26*	235227.40	234763.23	80	001000.36 FO		CM1111(BU,1),APANEL.19	VB000286
27*	235230.40	234713.10	00			B,ADMP1	VB000287
28*	235231.00	235174.63	80	001000.00 FO	ADLWER	CM0000(BU,1),ANORMP.19	VB000288
29*	235232.00 *	234763.23	80	001000.36 FO		CM1111(BU,1),APANEL.19	VB000289
30*	235233.00	234753.10	00			B,APUMP6	VB000290
31*	235233.40	235174.63	80	001000.36 FO	APUMP7	CM1111(BU,1),ANORMP.19	VB000291
32*	235234.40	234704.10	00			B,APUML6	VB000292
33*	235235.00	235174.63	80	001000.00 FO	AUNERR	CM0000(BU,1),ANORMP.19	VB000293
34*	235236.00	234763.23	80	001000.36 FO		CM1111(BU,1),APANEL.19	VB000294
35*	235237.00	235221.50	00			B,ALSRQ	VB000295
36*	235237.40	236105.35	01		ANDXWD	LVI,\$14,APCOL1	VB000296
37*	235240.00	236217.00	80	000001.02 AE		TI,1,APXW,1.(\$14)	VB000297
38*	235241.00	236217.00	80	000005.02 AE		TI,1,APXW,5.(\$14)	VB000298
39*	235242.00	236217.00	80	000011.02 AE		TI,1,APXW,9.(\$14)	VB000299
40*	235243.00	236217.00	80	000015.02 AE		TI,1,APXW,13.(\$14)	VB000300
41*	235244.00	235274.70	00		ANDX3	NOP,ANDX5	VB000301
42*	235244.40	235245.77	01		ANDX2	LVI,\$15,\$+1.	VB000302
43*	235245.00	235330.10	00			B,AWDCMP	VB000302
44*	235245.40	000001.33	02			LCI,\$13,1	VB000303
45*	235246.00 *	235251.50	00			B,ANDX1	VB000303
46*	235246.40	236161.34	30			LV,\$14,AHOTP	VB000304
47*	235247.00	000033.00	80	023000.00 FO		CM0000(BU,19),\$11	VB000305
48*	235250.00	235373.00	80			SIC,ALCRFB	VB000306
49*	235250.40	235370.10	00			B,ALCRF	VB000306
50*	235251.00	000004.33	02			LCI,\$13,4	VB000307

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATIONN	235251
1*	235251.40	000000.31	8D 130300.06 70	ANDX1	LF(BU,24,3)(V+I),.25(\$13)		VB000309
2*	235252.40	235376.40	80		SIC, AOCTLB		VB000310
3*	235253.00	235373.50	00		B, ACCTLC		VB000310
4*	235253.40	000000.70	8E 160010.12 F0		SF(BU,48,8)(V+I),.56(\$14),16		VB000311
5*	235254.40	000000.20	8E 120000.12 F0		SF(BU,16)(V+I),.16(\$14)		VB000312
6*	235255.40	777777.77	8D 235260.34 02		BB,-.1(\$13), \$+2.32		VB000313
7*	235256.40	140000.00	80 410000.06 70		LFI(BU,8),(8)60		VB000314
8*	235257.40	235261.10	00		B, \$+1.32		VB000315
9*	235260.00	100000.00	80 410000.06 70		LFI(BU,8),(8)40		VB000316
10*	235261.00 *	000000.20	8E 110000.12 F0		SF(BU,8)(V+I),.16(\$14)		VB000317
11*	235262.00	000000.25	8D 125300.06 70		LF(BU,21,3)(V+I),.21(\$13)		VB000318
12*	235263.00	235376.40	80		SIC, AOCTLB		VB000319
13*	235263.40	235373.50	00		B, ACCTLC		VB000319
14*	235264.00	000000.20	8E 110030.12 F0		SF(BU,8,8)(V+I),.16(\$14),48		VB000320
15*	235265.00	000000.70	8E 160000.12 F0		SF(BU,48,8)(V+I),.56(\$14)		VB000321
16*	235266.00	000000.22	8D 122300.06 70		LF(BU,18,3)(V+I),.18(\$13)		VB000322
17*	235267.00	235376.40	80		SIC, AOCTLB		VB000323
18*	235267.40	235373.50	00		B, ACCTLC		VB000323
19*	235270.00	000001.40	8E 160000.12 F0		SF(BU,48,8)(V+I),1.32(\$14)		VB000324
20*	235271.00	235251.72	48		CB, \$13, ANDX1		VB000325
21*	235271.40	235157.70	00	ANDX4	NCP, APNL1		VB000326
22*	235272.00	235327.40	80		SIC, AWRITB		VB000327
23*	235272.40	235325.50	00		B, AWRITE		VB000327
24*	235273.00	236162.32	90		KV, \$13, ADMPND		VB000328
25*	235273.40	235244.72	42		BXL, ANDX2		VB000329
26*	235274.00	234704.10	00		B, APUML6		VB000330
27*	235274.40	236157.74	80	ANDX5	V+, \$14, A1PT8		VB000331
28*	235275.00 *	235251.50	00		B, ANDX1		VB000332
29*	235275.40	236105.35	01	ACCTLH	LVI, \$14, APCOL1		VB000333
30*	235276.00	236217.00	80 000001.04 AE		TI, 2, APXW, 1.(\$14)		VB000334
31*	235277.00	000001.00	8E 000003.34 AE		TI, 14, 1.(\$14), 3.(\$14)		VB000335
32*	235300.00	236147.06	80 001000.36 F0		CM1111(BU,1), ACTLBT		VB000336
33*	235301.00	235302.37	01	AOCTHB	LVI, \$15, \$+1.		VB000337
34*	235301.40	235330.10	00		B, AWDCMP		VB000337
35*	235302.00	000002.33	02		LCI, \$13, 2		VB000338
36*	235302.40	235306.10	00		B, AOCTLJ		VB000338
37*	235303.00	236161.34	30		LV, \$14, AHOTP		VB000339
38*	235303.40	000033.00	80 023000.00 F0		CM0000(BU,19), \$11		VB000340
39*	235304.40	235373.00	80		SIC, ALCRFB		VB000341
40*	235305.00	235370.10	00		B, ALCRF		VB000341
41*	235305.40	000010.33	02		LCI, \$13, 8		VB000342
42*	235306.00	000000.30	8D 130300.06 70	AOCTLJ	LF(BU,24,3)(V+I),.24(\$13)		VB000343
43*	235307.00	235376.40	80		SIC, AOCTLB		VB000344
44*	235307.40	235373.50	00		B, ACCTLC		VB000344
45*	235310.00 *	000000.70	8E 160010.12 F0		SF(BU,48,8)(V+I),.56(\$14),16		VB000345
46*	235311.00	000000.30	8E 120000.12 F0		SF(BU,16,8)(V+I),.24(\$14)		VB000346
47*	235312.00	000002.35	02		LCI, \$14, 2		VB000347
48*	235312.40	000000.04	8D 104065.60 50	ADHEX	L(BU,4)(V+I),.4(\$13),-21		VB000348
49*	235313.40	000010.02	30		LV, \$1, \$L		VB000349
50*	235314.00	236232.10	81 010000.06 70		LF(BU,8), AHXTB(\$1)		VB000350

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235315
1*	235315.00	000000.10	8E 110000.12		SF(BU,8)(V+I),.08(\$14)		VB000352
2*	235316.00	235312.74	48		CB,\$14,ADHEX		VB000353
3*	235316.40	000000.75	05		V+I,\$14,.32		VB000354
4*	235317.00	235306.32	48		CB,\$13,AOCTLJ		VB000355
5*	235317.40	235327.40	80		SIC,AWRITB		VB000356
6*	235320.00	235325.50	00		B,AWRITE		VB000356
7*	235320.40	235322.30	00	ADHMN	NOP,ADOHND		VB000357
8*	235321.00	000000.31	04		KVI,\$12,0		VB000358
9*	235321.40	235402.32	C2		BXE,AMNEMO		VB000359
10*	235322.00	236162.32	90	ACCHND	KV,\$13,ACMPND		VB000360
11*	235322.40	235320.63	80 001000.36	FC	CM1111(BU,1),ADHMN.19		VB000361
12*	235323.40	235301.32	42		BXL,AOCTHB		VB000362
13*	235324.00	* 236147.06	80 001000.00	FO	CM0000(BU,1),ACTLBT		VB000363
14*	235325.00	234704.10	00		B,APUML6		VB000364
15*	235325.40	000040.10	00	AWRITE	B,DMCP		VB000365
16*	235326.00	000103.40	80		,DSPR		VB000366
17*	235326.40	236105.00	8B		,APCOL1(\$11)		VB000367
18*	235327.00	000001.00	80		,1.		VB000368
19*	235327.40	235327.50	00	AWRITB	B,\$		VB000369
20*	235330.00	000000.00	80 000000.20	50	AWDCMP		VB000370
21*	235331.00	000022.33	30		L(BU,64),(\$13)		VB000371
22*	235331.40	000001.05	05		SV,\$13,\$2		VB000372
23*	235332.00	000001.00	82 100000.21	10	V+I,\$2,1.		VB000373
24*	235333.00	235332.36	C2		K(BU,64)(V+I),1.(\$2)		VB000374
25*	235333.40	000001.05	00		BAE,\$-1.		VB000375
26*	235334.00	000022.20	80 010000.00	FO	V-I,\$2,1.		VB000376
27*	235335.00	000035.04	90		CM0000(BU,8),\$2.16		VB000377
28*	235335.40	235336.72	C0		KV,\$2,\$13		VB000378
29*	235336.00	000001.10	0F	ACMPB	BZXE,\$+1.		VB000379
30*	235336.40	236126.35	01		B,1.(\$15)		VB000380
31*	235337.00	235210.40	80		LVI,\$14,AMNMBF		VB000381
32*	235337.40	* 235205.50	00		SIC,AINTLB		VB000381
33*	235340.00	236161.74	30		B,AINITL		VB000382
34*	235340.40	000021.27	01		LV,\$14,AMNTOP		VB000383
35*	235341.00	236162.04	90		LVI,\$11,17.		VB000384
36*	235341.40	235342.72	42		KV,\$2,ACMPND		VB000384
37*	235342.00	236162.04	30		BXL,\$+1.		VB000385
38*	235342.40	000000.45	00		LV,\$2,ADMPND		VB000386
39*	235343.00	235373.00	80		V-I,\$2,.32		VB000387
40*	235343.40	235370.10	00		SIC,ALCRFB		VB000388
41*	235344.00	166000.00	80 410004.06	70	B,ALCRF		VB000388
42*	235345.00	777777.60	8E 020000.12	FO	LFI(BU,8),(8)73,8		VB000389
43*	235346.00	236155.34	80		SF(BU,16),-.16(\$14)		VB000390
44*	235346.40	046230.00	80 420000.06	70	V+,\$14,APT8		VB000391
45*	235347.40	000000.30	8E 120000.12	FO	LFI(BU,16),(8)011446		VB000392
46*	235350.40	000022.32	30		SF(BU,16,8)(V+I),.24(\$14)		VB000393
47*	235351.00	235373.00	80		LV,\$13,\$2		VB000394
48*	235351.40	235370.10	00		SIC,ALCRFB		VB000395
49*	235352.00	166000.00	80 410004.06	70	B,ALCRF		VB000395
50*	235353.00	* 777777.60	8E 020000.12	FO	LFI(BU,8),(8)73,8		VB000396
					SF(BU,16),-.16(\$14)		VB000397

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235354
1*	235354.00	236155.34	80		V+,\$14,APT8		VB000399
2*	235354.40	236222.00	80	000000.20	50	L(BU,64,8),ALLCN	VB000400
3*	235355.40	000001.00	8E	100000.20	DO	ST(BU,64,8)(V+I),1.(\$14)	VB000401
4*	235356.40	236223.00	80	030000.06	7C	LF(BU,24,8),ALLCN+1.	VB000402
5*	235357.40	000001.30	8E	130000.12	FC	SF(BU,24)(V+I),1.24(\$14)	VB000403
6*	235360.40	000000.73	0D			V-I,\$13,.32	VB000404
7*	235361.00	236147.01	80	235366.74	02	BB,AFLPTI,ACMP1	VB000405
8*	235362.00	236217.00	80	236133.02	AO	TI,1,APXW,AMNMBF+5.	VB000406
9*	235363.00	236147.06	80	235366.34	CC	BZB,ACTLBT,\$+3.	VB000407
10*	235364.00	235320.63	80	001000.00	FC	CMOC00(BU,1),ADHMN.19	VB000408
11*	235365.00	236217.00	80	236135.02	AO	TI,1,APXW,AMNMBF+7.	VB000409
12*	235366.00	000000.10	0F			B,0(\$15)	VB000410
13*	235366.40	* 236221.00	80	236134.02	AC	ACMP1	VB000411
14*	235367.40	000000.10	0F			B,0(\$15)	VB000412
15*	235370.00	000035.00	80	025300.06	70	ALCRF	VB000413
16*	235371.00	235376.40	80			SIC,ACCTLB	VB000414
17*	235371.40	235373.50	00			B,ACCTLC	VB000414
18*	235372.00	000001.00	8E	160004.12	FO	SF(BU,48)(V+I),1.(\$14),8	VB000415
19*	235373.00	235373.10	00			ALCRFB	VB000416
20*	235373.40	236174.22	80	000400.24	10	ADCTLC	VB000417
21*	235374.40	236175.22	80	000000.20	10	+(DU,64,4),AKON9	VB000418
22*	235375.40	236176.22	80	000000.02	70	+(BU,64,8),AKON1	VB000419
23*	235376.40	235376.50	00			C0001(BU,64),AKONZ	VB000420
24*	235377.00	000002.01	05			ADCTLB	VB000421
25*	235377.40	000036.01	30			ARETRN	VB000422
26*	235400.00	235406.72	C8			V+I,\$0,2.	VB000423
27*	235400.40	235327.40	80			SV,\$0,\$14	VB000424
28*	235401.00	235325.50	00			CBH,\$13,AMNEM1	VB000425
29*	235401.40	235322.10	00			SIC,AWRITB	VB000426
30*	235402.00	* 236126.35	01			B,AWRITE	VB000427
31*	235402.40	235210.40	80			B,ACOHND	VB000428
32*	235403.00	235205.50	00			AMNEM0	VB000429
33*	235403.40	236161.74	30			LVI,\$14,AMNMBF	VB000430
34*	235404.00	000021.27	01			SIC,AINTLB	VB000431
35*	235404.40	000004.33	0D			B,AINITL	VB000432
36*	235405.00	000010.33	02			LV,\$14,AMNTOP	VB000433
37*	235405.40	236157.74	80			LVI,\$11,17.	VB000434
38*	235406.00	000020.35	30			V-I,\$13,4.	VB000435
39*	235406.40	236147.00	80	235427.74	06	LCI,\$13,8	VB000436
40*	235407.40	000000.33	8D	235667.74	02	V+,\$14,APT8	VB000437
41*	235410.40	000000.32	8D	235567.34	02	SV,\$14,\$0	VB000438
42*	235411.40	000000.31	8D	235643.74	02	BBZ,AHLFWD,AFULL	VB000439
43*	235412.40	000000.30	8D	235436.74	02	BB,.27(\$13),ADIRX	VB000440
44*	235413.40	000000.27	8D	235636.74	02	BB,.26(\$13),AFLPT	VB000441
45*	235414.40	000000.26	8D	235677.34	02	BB,.25(\$13),ABRCH	VB000442
46*	235415.40	* 000000.23	8D	003000.06	70	BB,.24(\$13),AFULL2	VB000443
47*	235416.40	700000.00	80	403000.23	10	BB,.23(\$13),AIMNDX	VB000444
48*	235417.40	235425.36	C2			BB,.22(\$13),AMISC	VB000445
49*	235420.00	000000.23	8D	003024.20	50	LF(BU,3),.19(\$13)	VB000446
50*	235421.00	236174.14	80	006012.21	90	KFI(BU,3),7	VB000447
						BAE,ANVLD0	VB000448
						L(BU,3),.19(\$13),40	VB000449
						*(BU,6),AL24,20	VB000450

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235422
1*	235422.00	000011.02	30		LV,\$1,\$R		VB000447
2*	235422.40	236250.50	81	030000.06	70	LF(BU,24),ABRTBL(\$1)	VB000448
3*	235423.40	000000.00	8E	030000.12	F0	SF(BU,24),(\$14)	VB000449
4*	235424.40	235377.10	00			B,ARETRN	VB000450
5*	235425.00	236420.30	80	050000.06	70	ANVLDO LF(BU,40),AERROR	VB000451
6*	235426.00	000000.00	8E	050000.12	F0	SF(BU,40),0(\$14)	VB000452
7*	235427.00	235377.10	00			B,ARETRN	VB000453
8*	235427.40	000000.33	8D	235451.74	02	AFULL BB,.27(\$13),AINTCC	VB000454
9*	235430.40	* 000000.32	8D	235703.34	02	BB,.26(\$13),ATRNST	VB000455
10*	235431.40	000000.27	8D	235425.34	02	BB,.23(\$13),ANVLDO	VB000456
11*	235432.40	000000.34	8D	003066.60	50	ABRBT L(BU,3),.28(\$13),-19	VB000457
12*	235433.40	000010.02	30			LV,\$1,\$L	VB000458
13*	235434.00	236244.50	81	040000.06	70	LF(BU,32),ABRBTB(\$1)	VB000459
14*	235435.00	000000.00	8E	040000.12	F0	SF(BU,32),(\$14)	VB000460
15*	235436.00	235377.10	00			B,ARETRN	VB000461
16*	235436.40	000000.73	8D	235450.74	02	AFULL2 BB,.59(\$13),AFULL4	VB000462
17*	235437.40	000000.72	8D	235450.74	02	BB,.58(\$13),AFULL4	VB000463
18*	235440.40	000000.71	8D	235446.34	02	BB,.57(\$13),ASICCP	VB000464
19*	235441.40	000000.70	8D	235425.34	02	BB,.56(\$13),ANVLDO	VB000465
20*	235442.40	000000.67	8D	235450.74	02	BB,.55(\$13),AFULL4	VB000466
21*	235443.40	000000.63	8D	003000.06	70	LF(BU,3),.51(\$13)	VB000467
22*	235444.40	* 700000.00	80	403000.23	10	KFI(BU,3),7	VB000468
23*	235445.40	235450.76	C2			BAE,AFULL4	VB000469
24*	235446.00	236420.00	80	030000.06	70	ASICOP LF(BU,24),ASIC	VB000470
25*	235447.00	000000.00	8E	030000.12	F0	SF(BU,24),0(\$14)	VB000471
26*	235450.00	235377.10	00			B,ARETRN	VB000472
27*	235450.40	236147.00	80	235377.34	00	AFULL4 BZB1,AHLFWD,ARETRN	VB000473
28*	235451.40	000000.31	8D	003000.06	70	AINTCC LF(BU,3),.25(\$13)	VB000474
29*	235452.40	700000.00	80	403000.23	10	KFI(BU,3),7	VB000475
30*	235453.40	235562.36	C2			BAE,ACONN	VB000476
31*	235454.00	000000.26	8D	005024.20	50	L(BU,5),.22(\$13),40	VB000477
32*	235455.00	236174.06	80	006012.21	90	AINTC3 *(BU,6),AL40,20	VB000478
33*	235456.00	000011.02	30			LV,\$1,\$R	VB000479
34*	235456.40	236362.03	05			V+I,\$1,AOPTBL	VB000480
35*	235457.00	000000.00	81	040014.06	70	LF(BU,32),(\$1),24	VB000481
36*	235460.00	* 000000.24	8D	235531.34	02	BB,.20(\$13),AMNUS	VB000482
37*	235461.00	040000.00	80	410010.06	70	LFI(BU,8),(8)20,16	VB000483
38*	235462.00	000000.00	8D	003040.06	70	AINTC1 LF(BU,3),0(\$13),-64	VB000484
39*	235463.00	000000.00	80	403040.23	10	KFI(BU,3),0,64	VB000485
40*	235464.00	235511.36	C2			BAE,ADIRCT	VB000486
41*	235464.40	400000.00	80	403040.23	10	KFI(BU,3),4,64	VB000487
42*	235465.40	235513.76	C2			BAE,AIMMED	VB000488
43*	235466.00	000000.45	81	235425.34	02	BB,.37(\$1),ANVLDO	VB000489
44*	235467.00	777777.60	8E	050010.12	F0	SF(BU,40),-.16(\$14),16	VB000490
45*	235470.00	000000.44	81	235563.74	02	BB,.36(\$1),ACONNP	VB000491
46*	235471.00	000000.01	8D	002024.20	50	AINTC2 L(BU,2),.1(\$13),40	VB000492
47*	235472.00	236174.06	80	006012.21	90	*(BU,6),AL40,20	VB000493
48*	235473.00	000011.04	30			LV,\$2,\$R	VB000494
49*	235473.40	* 070000.00	80	410034.20	50	LI(BU,8),(8)34,56	VB000495
50*	235474.40	236410.40	82	040014.06	70	LF(BU,32),2.32+AIMNTB(\$2),24	VB000496

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235475
1*	235475.40	000000.00	8D 235477.74 00		BZB,0(\$13),+\$2.		VB000498
2*	235476.40	100000.00	80 410024.06 70		LFI(BU,8),(8)40,40	-CHNGE. + TO -	VB000499
3*	235477.40	170000.00	80 410010.06 70		LFI(BU,8),(8)74,16	-)	VB000500
4*	235500.40	000000.25	8D 235503.34 02		BB,.21(\$13),+\$2.32		VB000501
5*	235501.40	144000.00	80 410004.06 70		LFI(BU,8),(8)62,8	-B	VB000502
6*	235502.40	235504.10	00		B,\$+1.32		VB000503
7*	235503.00	150000.00	80 410004.06 70		LFI(BU,8),(8)64,8	-D	VB000504
8*	235504.00	000000.23	8D 235506.74 00		BZB,.19(\$13),+\$2.32		VB000505
9*	235505.00	050000.00	80 410000.06 70		LFI(BU,8),(8)24	-U	VB000506
10*	235506.00	235507.50	00		B,\$+1.32		VB000507
11*	235506.40 *	040000.00	80 410000.06 70		LFI(BU,8),(8)20	-BLANK	VB000508
12*	235507.40	000000.30	8E 000000.20 00		ST(BU,64),.24(\$14)		VB000509
13*	235510.40	235377.10	00		B,ARETRN		VB000510
14*	235511.00	000000.44	81 235555.74 02	ADIRCT	BB,.36(\$1),ACONNI+1.		VB000511
15*	235512.00	040000.00	80 410004.06 70		LFI(BU,8),(8)20,8		VB000512
16*	235513.00	235517.50	00		B,AIMMD1		VB000513
17*	235513.40	000000.47	81 235425.34 00	AIMMED	BZB,.39(\$1),ANVLDO		VB000514
18*	235514.40	000000.43	81 235545.74 02		BB,.35(\$1),AMPY1A		VB000515
19*	235515.40	000000.44	81 235554.74 02		BB,.36(\$1),ACONNI		VB000516
20*	235516.40	162000.00	80 410004.06 70		LFI(BU,8),(8)71,8	-I	VB000517
21*	235517.40	000000.60	8E 160004.12 00	AIMMD1	SF(BU,48)(V+1),.48(\$14),8		VB000518
22*	235520.40	000000.25	8D 235523.34 02	AIMMD2	BB,.21(\$13),+\$2.32		VB000519
23*	235521.40	144000.00	80 410004.06 70		LFI(BU,8),(8)62,8	-B	VB000520
24*	235522.40 *	235524.10	00		B,\$+1.32		VB000521
25*	235523.00	150000.00	80 410004.06 70		LFI(BU,8),(8)64,8	-D	VB000522
26*	235524.00	000000.23	8D 235526.74 00		BZB,.19(\$13),+\$2.32		VB000523
27*	235525.00	050000.00	80 410000.06 70		LFI(BU,8),(8)24	-U	VB000524
28*	235526.00	235527.50	00		B,\$+1.32		VB000525
29*	235526.40	040000.00	80 410000.06 70		LFI(BU,8),(8)20	-BLANK	VB000526
30*	235527.40	000000.00	8E 020000.12 00		SF(BU,16),0(\$14)		VB000527
31*	235530.40	235377.10	00		B,ARETRN		VB000528
32*	235531.00	000000.46	81 235540.74 02	AMNUS	BB,.38(\$1),ANEG		VB000529
33*	235532.00	000000.44	81 235462.34 02		BB,.36(\$1),AINTC1		VB000530
34*	235533.00	000000.27	8D 004040.06 70		LF(BU,4),.23(\$13),64		VB000531
35*	235534.00	000000.00	80 404040.23 10		KFI(BU,4),0,64		VB000532
36*	235535.00	235537.36	C2		BAE,\$+2.		VB000533
37*	235535.40 *	100000.00	80 410024.06 70		LFI(BU,8),(8)40,40		VB000534
38*	235536.40	235461.10	00		B,AINTC1-1.		VB000535
39*	235537.00	100000.00	80 410030.06 70		LFI(BU,8),(8)40,48		VB000536
40*	235540.00	235461.10	00		B,AINTC1-1.		VB000537
41*	235540.40	000000.43	81 235543.34 02	ANEG	BB,.35(\$1),AMPYA		VB000538
42*	235541.40	112000.00	80 410010.06 70		LFI(BU,8),(8)45,16		VB000539
43*	235542.40	235462.10	00		B,AINTC1		VB000540
44*	235543.00	000011.30	80 010024.12 00	AMPYA	SF(BU,8),\$R.24,40		VB000541
45*	235544.00	112000.00	80 410024.06 70		LFI(BU,8),(8)45,40		VB000542
46*	235545.00	235461.10	C0		B,AINTC1-1.		VB000543
47*	235545.40	000000.24	8D 235552.34 02	AMPY1A	BB,.20(\$13),AMPY2A		VB000544
48*	235546.40	000011.30	80 010024.12 00		SF(BU,8),\$R.24,40		VB000545
49*	235547.40	162000.00	80 410024.06 70		LFI(BU,8),(8)71,40		VB000546
50*	235550.40	162000.00	80 410024.06 70		LFI(BU,8),(8)71,40		VB000547

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	235551
1*	235551.40 *	235517.50	00		B,AIMMD1		VB000549
2*	235552.00	000011.40	80	AMPY2A	SF(BU,8), \$R.32,32		VB000550
3*	235553.00	162000.00	80		LFI(BU,8),(8)71,32		VB000551
4*	235554.00	235517.50	00		B,AIMMD1		VB000552
5*	235554.40	162000.00	80	ACCNNI	LFI(BU,8),(8)71,40		VB000553
6*	235555.40	000000.30	8E		SF(BU,24)(V+I),.24(\$14),40		VB000554
7*	235556.40	000000.23	8D		LF(BU,4,1),.19(\$13)		VB000555
8*	235557.40	235376.40	80		SIC,ACCTLB		VB000556
9*	235560.00	235373.50	00		B,ACCTLC		VB000556
10*	235560.40	000000.40	8E		SF(BU,32,8)(V+I),.32(\$14)		VB000557
11*	235561.40	235377.10	00		B,ARETRN		VB000558
12*	235562.00	000000.27	8D	ACCNN	L(BU,5),.23(\$13),40		VB000559
13*	235563.00	235455.10	00		B,AINTC3		VB000560
14*	235563.40	000000.23	8D	ACGNP	LF(BU,4,1),.19(\$13)		VB000561
15*	235564.40	235376.40	80		SIC,ACCTLB		VB000562
16*	235565.00 *	235373.50	00		B,ACCTLC		VB000562
17*	235565.40	000000.40	8E		SF(BU,32)(V+I),.32(\$14)		VB000563
18*	235566.40	235377.10	00		B,ARETRN		VB000564
19*	235567.00	000000.25	8D	AFLPT	L(BU,5),.21(\$13),40		VB000565
20*	235570.00	236174.06	80		*(BU,6),AL40,20		VB000566
21*	235571.00	000011.02	30		LV,\$1,\$R		VB000567
22*	235571.40	236336.03	05		V+I,\$1,AFLTBL		VB000568
23*	235572.00	000000.00	81		L(BU,32),(\$1),32		VB000569
24*	235573.00	000000.24	8D		BB,.20(\$13),AFLMIN		VB000570
25*	235574.00	040000.00	80	AFLPT1	LFI(BU,8),(8)20,24		VB000571
26*	235575.00	000000.23	8D		BB,.19(\$13),AFLABS		VB000572
27*	235576.00	040000.00	80		LFI(BU,8),(8)20,16		VB000573
28*	235577.00	070000.00	80	AFLPT2	LFI(BU,8),(8)34,8		VB000574
29*	235600.00 *	000000.22	8D		BB,.18(\$13),AUNORM		VB000575
30*	235601.00	112000.00	80		LFI(BU,8),(8)45	-N	VB000576
31*	235602.00	235603.50	00		B,\$+1.32		VB000577
32*	235602.40	050000.00	80	AUNORM	LFI(BU,8),(8)24	-U	VB000578
33*	235603.40	000001.00	8E		ST(BU,64)(V+I),1.(\$14)		VB000579
34*	235604.40	170000.00	80		LFI(BU,8),(8)74		VB000580
35*	235605.40	000000.00	8E		SF(BU,8),0(\$14)		VB000581
36*	235606.40	235377.10	00		B,ARETRN		VB000582
37*	235607.00	000000.47	81	AFLMIN	BB,.39(\$1),AFLNEG		VB000583
38*	235610.00	000000.25	8D		LF(BU,5),.21(\$13)		VB000584
39*	235611.00	000000.00	80		KFI(BU,5),0		VB000585
40*	235612.00	235615.76	C2		BAE,AFLMN1		VB000586
41*	235612.40	200000.00	80		KFI(BU,5),(2)01000		VB000587
42*	235613.40	235615.76	C2		BAE,AFLMN1		VB000588
43*	235614.00 *	100000.00	80		LFI(BU,8),(8)40,48		VB000589
44*	235615.00	235574.10	00		B,AFLPT1		VB000590
45*	235615.40	100000.00	80	AFLMN1	LFI(BU,8),(8)40,56		VB000591
46*	235616.40	235574.10	00		B,AFLPT1		VB000592
47*	235617.00	000000.44	81	AFLNEG	BB,.36(\$1),AFMPY		VB000593
48*	235620.00	000000.45	81		BB,.37(\$1),AFMPY		VB000594
49*	235621.00	112000.00	80		LFI(BU,8),(8)45,24		VB000595
50*	235622.00	235575.10	00		B,AFLPT1+1.		VB000596

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235622	
1*	235622.40	000011.20	80	020024.12	FO	AFMPY	SF(BU,16), \$R.16,40	VB000598
2*	235623.40	112000.00	80	410030.06	70		LFI(BU,8), (8)45,48	VB000599
3*	235624.40	235574.10	00				B, AFLPT1	VB000600
4*	235625.00	000000.46	81	235634.34	02	AFLABS	BB, .38(\$1), AFLEI	VB000601
5*	235626.00	000000.44	81	235630.74	02		BB, .36(\$1), AFMPYA	VB000602
6*	235627.00	* 142000.00	80	410010.06	70		LFI(BU,8), (8)61,16	VB000603
7*	235630.00	235577.10	00				B, AFLPT2	VB000604
8*	235630.40	000000.24	8D	235634.34	02	AFMPYA	BB, .20(\$13), AFLEI	VB000605
9*	235631.40	000011.20	80	010030.12	FO		SF(BU,8), \$R.16,48	VB000606
10*	235632.40	142000.00	80	410030.06	70		LFI(BU,8), (8)61,48	VB000607
11*	235633.40	235576.10	00				B, AFLPT2-1.	VB000608
12*	235634.00	000011.30	80	010024.12	FO	AFLEI	SF(BU,8), \$R.24,40	VB000609
13*	235635.00	142000.00	80	410024.06	70		LFI(BU,8), (8)61,40	VB000610
14*	235636.00	235576.10	00				B, AFLPT2-1.	VB000611
15*	235636.40	000000.34	8D	004024.20	50	AIMNDX	L(BU,4), .28(\$13),40	VB000612
16*	235637.40	236174.06	80	006012.21	90		*(BU,6), AL40,20	VB000613
17*	235640.40	000011.02	30				LV, \$1, \$R	VB000614
18*	235641.00	236406.00	81	050010.20	50		L(BU,40), AIMNTB(\$1),16	VB000615
19*	235642.00	000000.10	8E	110030.12	FO		SF(BU,8)(V+I), .8(\$14),48	VB000616
20*	235643.00	* 235672.10	00				B, ADIRX2	VB000617
21*	235643.40	000000.34	8D	235653.34	00	ABRCH	BZB, .28(\$13), ABRIND	VB000618
22*	235644.40	236264.03	01				LVI, \$1, ANXBR	VB000619
23*	235645.00	000000.35	8D	002024.20	50		L(BU,2), .29(\$13),40	VB000620
24*	235646.00	000000.27	8D	002025.06	70		LF(BU,2), .23(\$13),42	VB000621
25*	235647.00	236174.06	80	006012.21	90		*(BU,6), AL40,20	VB000622
26*	235650.00	000011.02	80				V+, \$1, \$R	VB000623
27*	235650.40	000000.00	81	050010.20	50		L(BU,40), 0(\$1),16	VB000624
28*	235651.40	000000.10	8E	110030.12	FO		SF(BU,8)(V+I), .8(\$14),48	VB000625
29*	235652.40	235672.10	00				B, ADIRX2	VB000626
30*	235653.00	000000.23	8D	006066.60	50	ABRIND	L(BU,6), .19(\$13),-19	VB000627
31*	235654.00	000010.02	30				LV, \$1, \$L	VB000628
32*	235654.40	144000.00	80	410020.20	50		LI(BU,8), (8)62,32	VB000629
33*	235655.40	236276.00	81	040000.06	70		LF(BU,32), AINDCR(\$1)	VB000630
34*	235656.40	* 000000.36	8D	235664.34	00		BZB, .30(\$13), ABINDF	VB000631
35*	235657.40	000000.50	8E	150000.12	FO		SF(BU,40)(V+I), .40(\$14)	VB000632
36*	235660.40	000000.35	8D	235377.34	00	ABND1	BZB, .29(\$13), ARETRN	VB000633
37*	235661.40	062000.00	80	410000.06	70		LFI(BU,8), (8)31	VB000634
38*	235662.40	000000.00	8E	010000.12	FO		SF(BU,8), (\$14)	VB000635
39*	235663.40	235377.10	00				B, ARETRN	VB000636
40*	235664.00	000011.20	80	010020.12	FO	ABINDF	SF(BU,8), \$R.16,32	VB000637
41*	235665.00	062000.00	80	410020.06	70		LFI(BU,8), (8)31,32	VB000638
42*	235666.00	000000.60	8E	160000.12	FO		SF(BU,48)(V+I), .48(\$14)	VB000639
43*	235667.00	235660.50	00				B, ABND1	VB000640
44*	235667.40	000000.27	8D	004066.60	50	ADIRX	L(BU,4), .23(\$13),-19	VB000641
45*	235670.40	000010.02	30				LV, \$1, \$L	VB000642
46*	235671.00	236254.00	81	040010.20	50		L(BU,32), ADRNDX(\$1),16	VB000643
47*	235672.00	* 066000.00	80	410004.06	70	ADIRX2	LFI(BU,8), (8)33,8	VB000644
48*	235673.00	000000.23	8D	004065.46	70		LF(BU,4), .19(\$13),-21	VB000645
49*	235674.00	000010.02	30				LV, \$1, \$L	VB000646
50*	235674.40	236232.10	81	010000.06	70		LF(BU,8), AHXTB(\$1)	VB000647

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235675
1*	235675.40	000000.00	8E 060000.12	F0	SF(BU,48),(\$14)		VB000649
2*	235676.40	235377.10	00		B,ARETRN		VB000650
3*	235677.00	000000.23	8D 003066.60	50	AMISC L(BU,3),.19(\$13),-19		VB000651
4*	235700.00	000010.02	30		LV,\$1,\$L		VB000652
5*	235700.40	236242.10	81 040000.06	70	LF(BU,32),AMISTB(\$1)		VB000653
6*	235701.40	000000.00	8E 040000.12	F0	SF(BU,32),(\$14)		VB000654
7*	235702.40	235377.10	00		B,ARETRN		VB000655
8*	235703.00	000000.27	8D 003024.20	50	ATRNST L(BU,3),.23(\$13),40		VB000656
9*	235704.00	236174.00	80 006012.21	90	*(BU,6),AL48,20		VB000657
10*	235705.00	000011.02	30		LV,\$1,\$R		VB000658
11*	235705.40	* 236234.10	81 060010.20	50	L(BU,48),ATRNTB(\$1),16		VB000659
12*	235706.40	066000.00	80 410004.06	70	LF(BU,8),(\$13),8		VB000660
13*	235707.40	000000.23	8D 004065.46	70	LF(BU,4),.19(\$13),-21		VB000661
14*	235710.40	000010.02	30		LV,\$1,\$L		VB000662
15*	235711.00	236232.10	81 010000.06	70	LF(BU,8),AHXTB(\$1)		VB000663
16*	235712.00	000000.00	8E 000000.20	D0	ST(BU,64),(\$14)		VB000664
17*	235713.00	235377.10	00		B,ARETRN		VB000665
18*	235713.40	236105.35	01		AFLPNT LVI,\$14,APCOL1		VB000666
19*	235714.00	236221.00	80 000002.02	AE	TI,1,APFL,2.(\$14)		VB000667
20*	235715.00	236221.00	80 000006.02	AE	TI,1,APFL,6.(\$14)		VB000668
21*	235716.00	236221.00	80 000012.02	AE	TI,1,APFL,10.(\$14)		VB000669
22*	235717.00	236221.00	80 000016.02	AE	TI,1,APFL,14.(\$14)		VB000670
23*	235720.00	236147.01	80 001000.36	F0	CM1111(BU,1),AFLPTI		VB000671
24*	235721.00	* 235722.37	01		AFLP1 LVI,\$15,\$+1.		VB000672
25*	235721.40	235330.10	00		B,AWDCMP		VB000673
26*	235722.00	000001.33	02		LCI,\$13,1		VB000674
27*	235722.40	235726.10	00		B,ACNVER		VB000674
28*	235723.00	236161.34	30		LV,\$14,AHOTP		VB000675
29*	235723.40	000033.00	80 023000.00	F0	CM0000(BU,19),\$11		VB000676
30*	235724.40	235373.00	80		SIC,ALCRFB		VB000677
31*	235725.00	235370.10	00		B,ALCRF		VB000677
32*	235725.40	000004.33	02		LCI,\$13,4		VB000678
33*	235726.00	000013.77	80 001000.36	F0	ACNVER CM1111(BU,1),\$IND.63	-SET NOISY MODE	VB000679
34*	235727.00	000000.20	8E 010000.00	F0	CM0000(BU,8),.16(\$14)		VB000680
35*	235730.00	000000.00	8D 235732.34	00	BZB,0(\$13),\$+2.		VB000681
36*	235731.00	236147.04	80 001000.36	F0	CM1111(BU,1),AEXPF		VB000682
37*	235732.00	000000.04	6D		DL(N),0(\$13)		VB000683
38*	235732.40	000010.00	80 235733.74	06	BBZ,\$L,\$+1.		VB000684
39*	235733.40	235740.74	00		BZRZ,ALOOP4		VB000685
40*	235734.00	* 000013.51	80 001000.36	F0	CM1111(BU,1),\$PGC	-INDICATE X FOR FRACTION	VB000686
41*	235735.00	000010.14	80 001000.36	70	CM1111(BU,1),\$L.12	-ASSUME EXISTENCE OF BIT 49	VB000687
42*	235736.00	014000.57	60		E-I,48	-ADJUST EXPNT AS IF NORMALIZED	VB000688
43*	235736.40	000010.00	80 235740.74	04	BZBZ,\$L,ALOOP4		VB000689
44*	235737.40	236147.04	80 001000.36	F0	CM1111(BU,1),AEXPF		VB000690
45*	235740.40	000012.04	80 235743.34	04	ALCOP4 BZBZ,10.04,ACPLUS		VB000691
46*	235741.40	236017.03	80 001000.00	F0	CM0000,AFRACI		VB000692
47*	235742.40	235744.10	00		B,ACPLUS+1.		VB000693
48*	235743.00	236017.03	80 001000.36	F0	ACPLUS CM1111,AFRACI		VB000694

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235744
1*	235744.00	000000.01	01		LVI,\$0,C		VB000696
2*	235744.40	236424.06	10		LX,\$3,AFXW1		VB000697
3*	235745.00	000000.00	80	013072.63	10		VB000698
4*	235746.00	235747.76	C2		BAE,\$+1.32		VB000699
5*	235746.40	000010.13	80	235752.34	00		VB000700
6*	235747.40	* 236015.03	80	001000.00	FO		VB000701
7*	235750.40	236200.00	80	235757.02	AO		VB000702
8*	235751.40	235753.10	00		B,ATEXP		VB000703
9*	235752.00	236201.00	80	235757.02	AO		VB000704
10*	235753.00	236212.00	83	013072.63	10	ATEXP	VB000705
11*	235754.00	236213.00	83	013072.63	50		VB000706
12*	235755.00	235756.76	C2		BAE,AGO		VB000707
13*	235755.40	235753.07	C8		CB-,\$3,ATEXP		VB000708
14*	235756.00	235760.50	00		B,ACUT		VB000709
15*	235756.40	236173.00	B3		V+,\$0,ABDEC+8.(\$3)		VB000710
16*					CNOP		VB000711
17*	235757.00	000000.30	00		ATAH		VB000712
18*	235757.40	000000.30	00		NOP		VB000712
19*	235760.00	235753.10	00		B,ATEXP		VB000713
20*	235760.40	236015.03	80	235762.74	02	ACUT	VB000714
21*	235761.40	236163.00	B0		V+,\$0,ABDEC		VB000715
22*	235762.00	236202.05	AO		D*(N),AFL10		VB000716
23*	235762.40	235773.64	C2		BPG0,ACUT2A		VB000717
24*	235763.00	* 000000.00	80	004472.13	70	ACUT2	VB000718
25*	235764.00	235765.74	C6		BRZZ,\$+1.32		VB000719
26*	235764.40	000023.07	80	004472.60	DC		VB000720
27*	235765.40	236043.02	E0		SRD(N),ATEMPD		VB000721
28*	235766.00	236043.04	60		DL(N),ATEMPD		VB000722
29*	235766.40	001000.37	20		SHFR,4		VB000723
30*	235767.00	000000.07	23		SHF,0(\$3)		VB000724
31*	235767.40	236043.00	80	060040.20	D0		VB000725
32*	235770.40	000010.14	80	004000.06	70		VB000726
33*	235771.40	235376.40	80		SIC,ACCTLB		VB000727
34*	235772.00	235373.50	00		B,ACCTLC		VB000727
35*	235772.40	000001.00	8E	010000.12	FO		VB000728
36*	235773.40	000020.00	80	022000.22	30	ACUT2A	VB000729
37*	235774.40	000017.60	80	014400.06	70	ACUT3	VB000730
38*	235775.40	235376.40	80		SIC,ACCTLB		VB000731
39*	235776.00	235373.50	00		B,ACCTLC		VB000731
40*	235776.40	* 000000.30	8E	030000.12	FO		VB000732
41*	235777.40	236034.24	C6		BPGCZ,AZFRTN		VB000733
42*	236000.00	236043.00	80	060000.20	50.		VB000734
43*	236001.00	236214.00	80	060000.21	90		VB000735
44*	236002.00	000000.00	80	060000.21	B0		VB000736
45*	236003.00	236043.00	80	070400.24	D0		VB000737
46*	236004.00	236043.00	80	040400.06	70		VB000738
47*	236005.00	235376.40	80		SIC,ACCTLB		VB000739
48*	236005.40	235373.50	00		B,ACCTLC		VB000739
49*	236006.00	000001.20	8E	000000.20	D0		VB000740

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	236007
1*	236007.00	236043.40	80	030400.06	70	LF(DU,24,4),ATEMPD.32	VB000742
2*	236010.00	235376.40	80			SIC,AOCTLB	VB000743
3*	236010.40	235373.50	00			B,ACCTLC	VB000743
4*	236011.00	000002.20	8E	060000.12	FO	SF(BU,48),2.16(\$14)	VB000744
5*	236012.00	236147.04	80	236015.34	04	AUP BZBZ,AEXPF,\$+3.	VB000745
6*	236013.00	154000.00	80	410000.06	70	LFI(BU,8),(8)66	VB000746
7*	236014.00	000000.20	8E	010000.12	FO	SF(BU,8),.16(\$14)	VB000747
8*	236015.00	140000.00	80	410000.06	70	AEXPS LFI(BU,8),(8)60	VB000748
9*	236016.00	000000.10	8E	010000.12	FO	SF(BU,8),.8(\$14)	VB000749
10*	236017.00	140000.00	80	410000.06	70	AFRACS LFI(BU,8),(8)60	VB000750
11*	236020.00	000000.70	8E	010000.12	FO	SF(BU,8),.56(\$14)	VB000751
12*	236021.00	000000.75	8D	003024.20	50	L(BU,3),.61(\$13),40	VB000752
13*	236022.00	236174.14	80	006012.21	90	*(BU,6),AL24,20	VB000753
14*	236023.00	000011.02	30			LV,\$1,\$R	VB000754
15*	236023.40	236421.00	81	030000.06	70	LF(BU,24),AFLGTB(\$1)	VB000755
16*	236024.40	000003.10	8E	030000.12	FO	SF(BU,24),3.8(\$14)	VB000756
17*	236025.40	236015.03	80	001000.36	FO	CM1111(BU,1),AALL15	VB000757
18*	236026.40	000004.35	05			V+I,\$14,4.	VB000758
19*	236027.00	235726.33	48			CB+,\$13,ACNVER	VB000759
20*	236027.40	235327.40	80			SIC,AWRITB	VB000760
21*	236030.00	235325.50	00			B,AWRITE	VB000760
22*	236030.40	236147.05	80	235116.34	06	BBZ,APNLI,APNL4	VB000761
23*	236031.40	236162.32	90			KV,\$13,ADMPND	VB000762
24*	236032.00	235721.32	42			BXL,AFLP1	VB000763
25*	236032.40	236147.01	80	001000.00	FO	CM0000(BU,1),AFLPTI	VB000764
26*	236033.40	234704.10	00			B,APUML6	VB000765
27*	236034.00	024000.00	80	410000.06	70	AZFRTN LFI(BU,8),(8)12	VB000766
28*	236035.00	000001.00	8E	010000.12	FO	SF(BU,8),1.(\$14)	VB000767
29*	236036.00	236214.60	80	000000.20	50	L(BU,64),AXMAGE	VB000768
30*	236037.00	000001.20	8E	000000.20	DO	ST(BU,64),1.16(\$14)	VB000769
31*	236040.00	236214.60	80	060000.06	70	LF(BU,48),AXMAGE	VB000770
32*	236041.00	000002.20	8E	060000.12	FO	SF(BU,48),2.16(\$14)	VB000771
33*	236042.00	236012.10	00			B,AUP	VB000772
34*	236043.00	000001.00				ATEMPD DRZ(N),1	VB000773
35*	236044.00	000041.00				ABUFF DRZ(N),33	VB000774
36*	236105.00	000021.00				APCOL1 DRZ(N),17	VB000775
37*	236126.00	000021.00				AMNMBF DRZ(N),17	VB000776
38*	236147.00	000000.01				AHLFWD DRZ(BU,1),1	VB000777
39*	236147.01			0		AFLPTI DD(BU,1),0	VB000778
40*	236147.02	000000.01				ASPUBI DRZ(BU,1),1	VB000779
41*	236147.03	000000.01				ASPLBI DRZ(BU,1),1	VB000780
42*	236147.04	000000.01				AEXPF DRZ(BU,1),1	VB000781
43*	236017.03+	+00000000		BU,01 ,10		AFRACI SYN(BU,1),AFRACS.3	VB000782
44*	236015.03+	+00000000		BU,01 ,10		AALL15 SYN(BU,1),AEXPS.3	VB000783
45*	236147.05	000000.01				APNLI DRZ(BU,1),1	VB000784
46*	236147.06			0		ACTLBT DD(BU,1),0	VB000785
47*	236150.00	236054.00+	000	000005	000000	APNLW1 XW,ABUFF+8.,5	VB000786
48*	236151.00	236057.00+	000	000002	000000	APNLW2 XW,ABUFF+11.,2	VB000787
49*	236152.00	236060.24+	000	000003	000000	APNLW3 XW,ABUFF+12.20,3	VB000788
50*	236153.00	236063.00+	000	000020	000000	APNLW4 XW,ABUFF+15.,16	VB000789

-USE AS LOADER BUFFER

-USED FOR COMPUTING \$MR

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	236154
1*	236154.00	236064.00+ 000 000004 000000	APNLW5	XW,ABUFF+16.,4		VB000791
2*	236155.00	000000.10+	APT8	VF,.8		VB000792
3*	236155.40	000000.20+	APT16	VF,.16		VB000793
4*	236156.00	000000.30+	APT24	VF,.24		VB000794
5*	236156.40	000000.50+	APT40	VF,.40		VB000795
6*	236157.00	000000.60+	APT48	VF,.48		VB000796
7*	236157.40	000001.10+	A1PT8	VF,1.8		VB000797
8*	236160.00	000001.20+	A1PT16	VF,1.16		VB000798
9*	236160.40	000003.50+	A3PT40	VF,3.40		VB000799
10*	236161.00	236105.10+	AHCTP	VF,APCOL1.08		VB000800
11*	236161.40	236126.10+	AMNTCP	VF,AMNMBF.08		VB000801
12*	236162.00	000000.00+	ACMPND	VF,C		VB000802
13*	236163.00 *	000001.00+ 000 000000 000000	ABDEC	XW,1.		VB000803
14*	236164.00	000002.00+ 000 000000 000000		XW,2.		VB000803
15*	236165.00	000004.00+ 000 000000 000000		XW,4.		VB000803
16*	236166.00	000010.00+ 000 000000 000000		XW,8.		VB000803
17*	236167.00	000020.00+ 000 000000 000000		XW,16.		VB000803
18*	236170.00	000040.00+ 000 000000 000000		XW,32.		VB000803
19*	236171.00	000100.00+ 000 000000 000000		XW,64.		VB000803
20*	236172.00	000200.00+ 000 000000 000000		XW,128.		VB000803
21*	236173.00	001000.00+ 000 000000 000000		XW,512.		VB000804
22*	236174.00		60 AL48	(2)DD(BU,6),110000		VB000805
23*	236174.06		50 AL40	(2)DD(BU,6),101000		VB000806
24*	236174.14		30 AL24	DD(BU,6),(8)30		VB000807
25*	236174.22	0044110220441102204411	AKON9	DD(BU,64,4),(16)C909090909090909		VB000808
26*	236175.22 *	0004010020040100200401	AKON1	DD(BU,64,4),(16)0101010101010101		VB000809
27*	236176.22	0074170360741703607417	AKONZ	DD(BU,64),(16)0F0F0F0F0F0F0F0F		VB000810
28*	236177.40	000000.30 00		CNOP		VB000811
29*	236200.00	236212.05 A3	ADBLMP	D*(N),AFL10+8.(\$3) -REDUCE X BY 10 TO THE N POWER		VB000812
30*	236200.40	000000.30 00		NOP		VB000813
31*	236201.00	236212.05 E3	ADLDVD	D/(N),AFL10+8.(\$3)		VB000814
32*	236201.40	000000.30 00		NOP		VB000815
33*	236202.00	C004+ 5000000000000000 +000	AFL10	DD(N),1.E1,1.E2,1.E4,1.E8,1.E16,1.E32,1.E64		VB000816
34*	236203.00	C007+ 6200000000000000 +000				VB000816
35*	236204.00	C016+ 4704000000000000 +000				VB000816
36*	236205.00	C033+ 5753604000000000 +000				VB000816
37*	236206.00	C066+ 4341571157602000 +000				VB000816
38*	236207.00	C0153+ 4734265552025560 +000				VB000816
39*	236210.00	C325+ 6047403722377717 +000				VB000816
40*	236211.00 *	C652+ 4473510762300351 +000		DD(N),1.E128,1.E512,9.99999E615		VB000817
41*	236212.00	3246+ 0000000000000000 +000				VB000817
42*	236213.00	3246+ 7364320000000000 +000				VB000817
43*	236214.00	2657142036440000	A1E14	DD(BU,48),1.E14		VB000818
44*	236214.60		AXMAGE	(A*)DD(BU),XXXXXXXX*		VB000819
45*				CNOP,		VB000820
46*	236216.00		APLC	(A8)DD(BU),- 8		VB000821
47*	236217.00		APXW	(A8)DD(BU),.8		VB000822
48*	236220.00		ABLNK	(A8)DD(BU), 8		VB000823
49*	236221.00		APFL	(A8)DD(BU),. 8		VB000824
50*	236222.00		ALLCN	(A8)DD(BU),ALL CONTAIN8		VB000825
51*	236223.30		ALZC	(A*)DD(BU),LZC*		VB000826
52*	236223.60		AACC	(A*)DD(BU),AOC*		VB000827
53*	236224.10		AIND	(A*)DD(BU),IND*		VB000828
54*	236224.40	000000.30 00		CNOP,		VB000829
55*	236225.00 *		AMCMDE	(A*)DD(BU,8),10, NOT AUTO-STACKING MODE *		VB000830
56*	236231.00		ATRI6	(A*)DD(BU),TR-16*		VB000831

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	236231
1*	236231.50		AMASK	(A*)DD(BU),MASK*		VB000832
2*	236232.10		012 AHXTB	(8)CD(BU,8),12,1,2,3,4,5,6,7,10,11,61,62,63,64,65,66		VB000833
3*	236232.20		001			VB000833
4*	236232.30		002			VB000833
5*	236232.40		003			VB000833
6*	236232.50		004			VB000833
7*	236232.60		005			VB000833
8*	236232.70		006			VB000833
9*	236233.00		007			VB000833
10*	236233.10		010			VB000833
11*	236233.20		011			VB000833
12*	236233.30		061			VB000833
13*	236233.40		062			VB000833
14*	236233.50		063			VB000833
15*	236233.60		064			VB000833
16*	236233.70		065			VB000833
17*	236234.00		066			VB000833
18*	236234.10 *		ATRNTB	(A*)DD(BU),T SWAP TI SWAPI TB SWAPB TBI SWAPBI*		VB000834
19*	236242.10		AMISTB	(A*)DD(BU),R RCZ EX EXICZ *		VB000835
20*	236244.50		ABRBTB	(A*)DD(BU),BZB BB BZBZBBZ BZBNBBN BZB1BB1 *		VB000836
21*	236250.50		ABRTBL	(A*)DD(BU),BE BD B BR BEW NOP*		VB000837
22*	236253.40	000000.30 00		CNOP		VB000838
23*	236254.00 *		ADRNDX	(A*)DD(BU),LX LV LC LR KV V+ V+C V+CRSX SV SC *		VB000839
24*	236261.40			(A*)DD(BU),SR KC LVE SVA RNX *		VB000840
25*				CNOP		VB000841
26*	236264.00 *		ANXBR	(A*)DD(BU),CB CBZ CBR CBRZ CBH CBZH CBRH CBRZHCB+ *		VB000842
27*	236271.50			(A*)DD(BU),CBZ+ CBR+ CBRZ+CB- CBZ- CBR- CBRZ-*		VB000843
28*				CNOP		VB000844
29*	236276.00 *		AINDCR	(A*)DD(BU),MK IK IJ EK TS CPUSEKJ UNRJCBJ EPGKUK EE *		VB000845
30*	236304.00			(A*)DD(BU),EOP CS CP AD USA EXE DS DF IF LC PF *		VB000846
31*	236312.00			(A*)DD(BU),ZD *		VB000847
32*	236312.40 *			(A*)DD(BU),IR LS PSH XPFPXPO XPH XPL XPU ZM RU TF UF *		VB000848
33*	236320.40			(A*)DD(BU),VF *		VB000849
34*	236321.00			(A*)DD(BU),XF BTR DTR PGO PG1 PG2 PG3 PG4 PG5 PG6 XCZ *		VB000850
35*	236326.40 *			(A*)DD(BU),XVLZXVZ XVGZXL XE XH MOP RLZ RZ RGZ RN *		VB000851
36*	236334.00			(A*)DD(BU),AL AE AH NM *		VB000852
37*				CNOP		VB000853
38*	236336.00		AFLTBL	(A*)DD(BU),+ -L 1M+ -ST 1K 1KR 1* 1/ 1(VB000854
39*	236343.00 *			(A*)DD(BU),+MG -LWF 1M+MG-SRD 1KMG 1KMGRI** 9R/ 1(VB000855
40*	236350.00			(A*)DD(BU),D+ -CL 1LFT 1SLC 1F+ -E+ -D* 1D/ 1(VB000856
41*	236355.00 *			(A*)DD(BU),D+MG-DLWFI SRT 5SHF 1E+I 2STM 1(VB000857
42*	236361.40	000000.30 00		CNOP		VB000858
43*	236362.00		AGPTBL	(A*)DD(BU),+ 1LCV 7L 3 M+ -LFT 3*		VB000859
44*	236365.60			(A*)DD(BU),ST 2C 9K 3KE 3KR 3 *		VB000860
45*	236371.40 *			(A*)DD(BU),* 3CV 6/ 3CM 9+MG 1LTRC7(VB000861
46*	236375.20			(A*)DD(BU),LWF 3 M+MG-M+1 -SRD 2CT 9*		VB000862
47*	236401.00			(A*)DD(BU),KF 3KFE 3KFR 3 ** TDCV 6LTRS3(VB000863
48*	236405.40	000000.30 00		CNOP		VB000864
49*	236406.00 *		AIMNTB	(A*)DD(BU),C+I LVI LCI LRI KVI V+I V+IC V+ICRC-I LVNI *		VB000865
50*	236414.20			(A*)DD(BU),KCI LVS KVNI V-I V-IC V-ICR*		VB000866
51*	236420.00		ASIC	(A*)DD(BU),SIC*		VB000867
52*	236420.30		AERROR	(A*)DD(BU),ERROR*		VB000868
53*	236421.00 *		AFLGTB	(A*)DD(BU), V U LVT T VTU TLV*		VB000869
54*	236424.00	CC0000.00+ 000 000011 000000	AFXWI	XW,C,9		VB000870
55*	236425.00	CC0000.00+	ADMFBG	VF,C		VB000871

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				PUNFUL	WA000001
2*	236425.31			(CC*)DD(BU,,12),B	WA000002
3*	236435.65			(CC*)DD(BU,,12),	WA000003
4*				22SCOMD*	WA000004
5*				PUNCRG	WA000005
6*				PUNID,22SCOMD	WA000006
7*	234424.00			RESEQ	WA000007
8*				SLC,Y MP BUF	WA000008
9*					WA000009
10*				*****TABLE OF SYSTEM COMMANDS*****	WA000010
11*					WA000011
12*					WA000012
13*	234424.00		J LIST	(A*)DD(BU,48,6),OUTPUT * -CHANGE SPOOL OUTPUT TAPE	WA000013
14*	234424.60			(A*)DD(BU,48,6),EOF * -END OF FILE,NEXT JOB WHEN CS	WA000014
15*	234425.40			(A*)DD(BU,48,6),EOJ * -END OF JOB	WA000015
16*	234426.20			(A*)DD(BU,48,6),REWIND * -TERMINATE WRITE TAPE	WA000016
17*	234427.00			(A*)DD(BU,48,6),REJECT * -REJECT JOB IN JCI PHASE	WA000017
18*	234427.60			(A*)DD(BU,48,6),IOCHANGE * -I/O CONFIGURATION CHANGE	WA000018
19*	234430.40			(A*)DD(BU,48,6),BYPASS * -NEXT JOB NOT OVERLAPPED	WA000019
20*	234431.20			(A*)DD(BU,48,6),ONLINE * -RESUME ON LINE OVERLAPPED MODE	WA000020
21*	234432.00			(A*)DD(BU,48,6),OFFLINE * -RESUME OFF LINE OVERLAPPED MODE	WA000021
22*	234432.60			(A*)DD(BU,48,6),CLOCK * -TIME CONSTANT COMMAND	WA000022
23*	234433.40			(A*)DD(BU,48,6),ABEOJ *	WA000023
24*	234434.20			(A*)DD(BU,48,6),COMMENT *	WA000024
25*					WA000025
26*				*****TABLE OF BRANCHES CORRESPONDING TO ABOVE COMMANDS*****	WA000026
27*					WA000027
28*	234435.00	234671.10 00	J TABL	B,JCUTP	WA000028
29*	234435.40	234700.50 00		B,J EOF	WA000029
30*	234436.00	234722.10 00		B,JEOJ	WA000030
31*	234436.40	234766.10 00		B,Z REW CD	WA000031
32*	234437.00 *	234774.50 00		B,Z REJCT	WA000032
33*	234437.40	235023.10 00		B,Z IO CH	WA000033
34*	234440.00	235373.50 00		B,Z BYPAS	WA000034
35*	234440.40	235414.50 00		B,Z ONLIN	WA000035
36*	234441.00	235440.10 00		B,Z OFFLN	WA000036
37*	234441.40	235473.50 00		B,Z TCC	WA000037
38*	234442.00	234744.10 00		B,Z ABEND	WA000038
39*	234442.40	235540.50 00		B,VVCOMJ	WA000039

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000041
2*				-	*****SYSTEM COMMAND ROUTINE*****	WA000042
3*				-		WA000043
4*	234443.00	000020.00	80	J CGMD	TI,16,\$XO,JSTLR	WA000044
5*	234444.00	232721.34	50		LC,14,J SIZE	WA000045
6*	234444.40	232720.74	30		LV,14,J FRST	WA000046
7*	234445.00	000000.33	01		LVI,JX MSK,0.0	WA000047
8*	234445.40	232720.06	10		LX,Z SORCE,J CODE	WA000048
9*	234446.00	000004.07	04		KVI,Z SORCE,4.0	WA000049
10*	234446.40	234517.33	42		BXH,JERR X	WA000050
11*	234447.00	215001.10	80		L(BU,2),SYSMCD,-18	WA000051
12*	234450.00	000010.10	30		LV,Z SMCDE,\$L	WA000052
13*	234450.40	000000.14	04		BR,0.0(Z SMCDE)	WA000053
14*	234451.00	000240.33	05		V+I,JXMSK,JOV+JON	WA000054
15*	234451.40	234455.10	00		B,Z TST SR	WA000054
16*	234452.00	000440.33	05		V+I,JXMSK,JOV+JOF	WA000055
17*	234452.40 *	234455.10	00		B,Z TSTSR	WA000055
18*	234453.00	000300.33	05		V+I,JX MSK,JNV+JCN	WA000056
19*	234453.40	234455.10	00		B,Z TST SR	WA000056
20*	234454.00	000500.33	05		V+I,JX MSK,JNV+JOF	WA000057
21*	234454.40	234507.32	00		BZXE,Z MODER	WA000058
22*	234455.00	777777.14	03	Z TST SR	BR,-1.0(Z SORCE)	WA000059
23*	234455.40	000014.33	05		V+I,JX MSK,JJ1+JSR	WA000060
24*	234456.00	234471.10	00		B,Z BK BCD	WA000060
25*	234456.40	000024.33	05		V+I,J X MSK,JJ4+JSR	WA000061
26*	234457.00	234471.10	00		B,Z BK BCD	WA000061
27*	234457.40	002002.33	05		V+I,JX MSK,JCN+JOP	WA000062
28*	234460.00	234472.50	00		B,Z IQS	WA000062
29*	234460.40	001000.33	05		V+I,JX MSK,ZIPL	WA000063
30*	234461.00	234477.10	00		B,Z BCD	WA000063
31*	234461.40	234527.40	60	Z CM CRD	L(U),Z MAIN 1	WA000064
32*	234462.00	234560.00	80		KF(BU,48,6),JFLDB,-48	WA000065
33*	234463.00	234631.36	00		BZAE,Z ER EX1	WA000066
34*	234463.40	234575.35	50	Z LCK UP	SC,14,JFLD C	WA000067
35*	234464.00	000002.35	0A		KCI,14,2.0	WA000068
36*	234464.40	234631.32	42		BXL,Z ER EX1	WA000069
37*	234465.00	234574.02	10		LX,JX1,J JX1	WA000070
38*	234465.40	234424.05	01		LVI,JX2,JLIST	WA000071
39*	234466.00 *	234561.40	60		L(U),J FLDB+1.0	WA000072
40*	234466.40	000000.60	82	Z LOCK 4	KF(V+I)(BU,48,6),.48(JX2),80	WA000073
41*	234467.40	234435.36	03		BAE,J TABL(JX1)	WA000074
42*	234470.00	234466.42	08		CBH,JX1,Z LOOK 4	WA000075
43*	234470.40	234631.10	00		B,Z ER EX1	WA000076
44*	234471.00	000000.00	8E	Z BK BCD	T,\$14,0.0(\$14),J FLDB	WA000077
45*	234472.00	234463.50	00		B,Z LOK UP	WA000078
46*	234472.40	234474.75	50	Z IQS	SC,14,Z IQS CT	WA000079
47*	234473.00	234474.37	01		LVI,15,\$+1.0	WA000080
48*	234473.40	230506.04	00		BD,SIQSA6	WA000081
49*	234474.00	217000.00+			VF,P MCP BF+3.0	WA000082
50*	234474.40	000000		Z IQS CT	CF,0.0	WA000083
51*	234475.00	234550.00+			VF,JCBUF	WA000084
52*	234475.40	234550.35	01		LVI,14,JCBUF	WA000085
53*	234476.00	234503.35	30		SV,14,ZBRKAD	WA000086
54*	234476.40	234501.40	00		BE,ZBCD9	WA000087

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	234477
1*	234477.00	000120.35 0A	Z BCD	KCI,14,80.0	-BCD FORMAT	WA000089
2*	234477.40	234501.33 40		BZXH,\$+1.32		WA000090
3*	234500.00	000120.35 02		LCI,14,80.0		WA000091
4*	234500.40	232721.35 50		SC,14,J SIZE		WA000092
5*	234501.00	234503.35 30		SV,14,Z BRKAD		WA000093
6*	234501.40 *	234503.75 50	Z BCD9	SC,14,J BRK C	-TC BREAK SETUP	WA000094
7*	234502.00	234503.37 01		LVI,15,\$+1.0		WA000095
8*	234502.40	230672.04 00		BD,SBRK8		WA000096
9*	234503.00	000000.00+	Z BRK AD	VF,C		WA000097
10*	234503.40	000000	J BRK C	CF,C		WA000098
11*	234504.00	234560.00+		VF,J FLDB		WA000099
12*	234504.40	000000		CF,C		WA000100
13*	234505.00	230726.04 00		BD,QBRK8		WA000101
14*	234505.40	234506.00 00		BE,\$+.32		WA000102
15*	234506.00	234504.74 50		LC,14,JBRKC+1.0		WA000103
16*	234506.40	234461.50 00		B,Z CMCRD		WA000104
17*	234507.00	234510.30 10	Z MODER	LX,12,Z ER EX3		WA000105
18*	234507.40	234575.50 00		B,JHARD		WA000106
19*				CNOP		WA000107
20*	234510.00		Z ER EX3	(IQS*)DD(BU),IPL MODE ERROR IN*		WA000108
21*	234512.10 *			(IQS*)DD(BU), COMMAMD REQUEST. SYSTEM CONTAMINATION.*		WA000109
22*	234517.00	234520.30 10	J ERRX	LX,12,Z ER EX4		WA000110
23*	234517.40	234575.50 00		B,JHARD		WA000111
24*				CNOP		WA000112
25*	234520.00		Z ER EX4	(IQS*)DD(BU), SOURCE CODE FOR COMMAND IN ERROR.*		WA000113
26*	234524.20			(IQS*)DD(BU), SYSTEM CONTAMINATION.*		WA000114
27*			-	*****STORAGE AND PARAMETERS*****		WA000115
28*				CNOP		WA000116
29*	234527.00		Z MAIN 1	(A*)DD(BU,48,6),COMD *		WA000117
30*				CNOP		WA000118
31*	234530.00 *	000020.00	J STLR	DR(BU,64),(16)	-STORAGE FOR INDEX REGISTERS	WA000119
32*	234550.00	000007.40	JC BUF	DR(BU,6),(80)		WA000120
33*	234560.00 *	000014.00	J FLD B	DRZ,(12)	-BROKEN OUT FIELD BUFFER	WA000121
34*	234574.00	000000.00+ 000 000014 000000	J JX1	XW,C.0,12	-NUMBER OF COMMANDS	WA000122
35*	234575.00	000000	J FLDC	CF,0	-CCUNT OF BROKEN OUT FIELDS	WA000123
36*	000021.00+	+00000000	BU,100,10	J X1	SYN,\$X1	WA000124
37*	000022.00+	+00000000	BU,100,10	J X2	SYN,\$X2	WA000125
38*	000023.00+	+00000000	BU,100,10	Z SORCE	SYN,\$3	WA000126
39*	000024.00+	+00000000	BU,100,10	Z SMODE	SYN,\$X4	WA000127
40*	000035.00+	+00000000	BU,100,10	J XMSK	SYN,\$X13	-MODE MASK INDEX WA000128
41*						WA000129
42*				*****DEFINITION OF MODE MASK BITS*****		WA000130
43*						WA000131
44*	000002.00+	+00000000	NULL	J OP	SYN,2.0	-OPERATOR IS SOURCE WA000132
45*	000004.00+	+00000000	NULL	J SR	SYN,4.0	-SPOOL READER WA000133
46*	000010.00+	+00000000	NULL	J J1	SYN,8.0	-JOB CONTROL I WA000134
47*	000020.00+	+00000000	NULL	J J4	SYN,16.0	-JOB CONTROL IV WA000135
48*	000040.00+	+00000000	NULL	J CV	SYN,32.0	-OVER-LAPPED WA000136
49*	000100.00+	+00000000	NULL	J NV	SYN,64.0	-NOT OVER-LAPPED WA000137
50*	000200.00+	+00000000	NULL	J ON	SYN,128.0	-ON LINE WA000138
51*	000400.00+	+00000000	NULL	J CF	SYN,256.0	-OFF-LINE WA000139
52*	001000.00+	+00000000	NULL	Z IPL	SYN,512.0	-IPL IS THE SOURCE WA000140
53*	002000.00+	+00000000	NULL	J CN	SYN,1024.0	-CONSOLE WA000141

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		WA000143
2*			-	*****COMMAND HARD COPY MAKER*****	WA000144
3*			-		WA000145
4*	234575.40	000011.33 10	J HARD	SX,JXMSK,\$R -SET MODE MASK	WA000146
5*	234576.00	000004.00 80		422027.05 70 CTIC010(BU,18),JSR,46	WA000147
6*	234577.00	234620.74 C2		BRZ,Z SR HRD	WA000148
7*	234577.40	002000.00 80		422027.05 70 CTIC010(BU,18),JCN,46	WA000149
8*	234600.40	234620.34 C2		BRZ,J HAXT -CONSOLE - NO HARD COPY	WA000150
9*	234601.00	232720.76 30		LV,15,J FRST -IPL IS THE SOURCE	WA000151
10*	234601.40	232721.00 80		022025.60 50 L(BU,18),J SIZE,43 -DIVIDE NUM OF CHARS. BY 8	WA000152
11*	234602.40	000011.36 50		LC,15,\$R -NUMBER OF WORDS INTO CF	WA000153
12*	234603.00	000000.00 80		403025.53 70 CTIC101(BU,3),O.C,43 -TEST REMAINDER	WA000154
13*	234604.00	234605.34 C2		BRZ,Z TR IPL	WA000155
14*	234604.40	000001.37 00		C+I,15,1.	WA000156
15*	234605.00	000000.00 8F		234550.36 20 Z TR IPL T,\$15,0.0(\$15),JC BUF	WA000157
16*	234606.00	000037.37 50		SC,15,\$15	WA000158
17*	234606.40	234627.42 60		LWF(U),Z MS IPL	WA000159
18*	234607.00 *	234550.40 EF		ST(U),JC BUF(\$15)	WA000160
19*	234607.40	234630.42 60		LWF(U),Z MS IPL+1.0	WA000161
20*	234610.00	234551.40 EF		ST(U),JCBUF+1.0(\$15)	WA000162
21*	234610.40	232721.36 30		LV,15,J SIZE -GET NUMBER OF CHARACTERS	WA000163
22*	234611.00	000020.37 05		V+I,15,16.0	WA000164
23*	234611.40	000002.37 00		C+I,15,2	WA000165
24*	234612.00	234614.77 30	Z HARD C	SV,15,J HAR5	WA000166
25*	234612.40	234617.77 50		SC,15,J HAR 6	WA000167
26*	234613.00	234614.37 01		LVI,15,\$+1.0 -CONVERT TO IQS FROM A6	WA000168
27*	234613.40	230567.44 00		BD,SA6IQS	WA000169
28*	234614.00	234550.00+		VF,JC BUF	WA000170
29*	234614.40	000000	J HAR 5	CF,0.0 -NUMBER OF CHARACTERS	WA000171
30*	234615.00	234560.00+		VF,J FLDB	WA000172
31*	234615.40	234616.00 00		BE,\$+.32	WA000173
32*	234616.00	000040.10 00	J HAR 7	B,DMCP	WA000174
33*	234616.40	000043.40 80		,DCCMM	WA000175
34*	234617.00	234560.00+		VF,J FLDB -BUFFER FOR IQS CONVERSION	WA000176
35*	234617.40	000000	J HAR 6	CF,0.0 -NUMBER OF WORDS	WA000177
36*	234620.00	234634.50 00	J HAXT	B,Z EXIT -EXIT	WA000178
37*	234620.40	234575.34 50	Z SR HRD	LC,14,J FLDC -NUMBER OF FIELDS OR WORDS	WA000179
38*	234621.00	234550.35 01		LVI,14,JC BUF	WA000180
39*	234621.40	234560.37 01		LVI,15,J FLDB	WA000181
40*	234622.00 *	000001.00 8F		160600.20 50 Z PACK F L(V+I)(BU,48,6),1.0(\$15)	WA000182
41*	234623.00	000000.60 8E		260600.20 DO ST(V+I)(BU,48,6),0.48(\$14)	WA000183
42*	234624.00	234622.30 40		BZXCZ,Z PACK F	WA000184
43*	234624.40	234575.00 80		022030.60 50 L(BU,18),J FLDC,49 -FIELD COUNT * 8 EQUALS	WA000185
44*	234625.40	234575.36 50		LC,15,J FLDC -NUMBER OF CHARACTERS	WA000186
45*	234626.00	000011.36 30		LV,15,\$R	WA000187
46*	234626.40	234612.10 00		B,Z HARD C	WA000188
47*				CNOP	WA000189
48**	234627.00		Z MS IPL	(A*)DD(BU,96,6), IPL IS SOURCE*	WA000190

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		WA000192
2*			-	*****COMMAND EXIT ROUTINE*****	WA000193
3*			-		WA000194
4*	234630.40	000000.30 CO		CNOP	WA000195
5*	234631.00	234641.30 10	Z ER EX1	LX,12,ZEX1	WA000196
6*	234631.40	234575.50 CO		B,J HARD	WA000197
7*	234632.00	234642.30 10	Z ER EX2	LX,12,ZEX2	WA000198
8*	234632.40	234575.50 CO		B,J HARD	WA000199
9*	234633.00	234656.42 6C	Z EXITX	LWF(U),Z LIST(\$12)	WA000200
10*	234633.40	234651.30 10		LX,12,Z LISTC	WA000201
11*	234634.00	234652.40 EO		ST(U),Z LISTX	WA000202
12*	234634.40	234636.31 10	Z EXIT	SX,12,J ERZ	WA000203
13*	234635.00	000040.00 00		BE,D MCP	WA000204
14*	234635.40	000043.40 80		,D COMM	WA000205
15*	234636.00 *	000001.00	J ERZ	DRZ(BU,64),1	WA000206
16*			-		WA000207
17*			-	ENTRY FOR NORMAL RETURN	WA000208
18*	234637.00+	+000000CO	JNCPX	SYN,\$	WA000209
19*	234637.00	234530.00 80	J FINX	TI,16,JSTLR,\$XO	WA000210
20*	234640.00	000040.00 00		BE,D MCP	WA000211
21*	234640.40	000041.00 80		,D RET	WA000212
22*				CNOP	WA000213
23*	234641.00	234643.00+	Z EX1	VF,Z EX 11	WA000214
24*	234641.40	000002		CF,2.0	WA000215
25*				CNOP	WA000216
26*	234642.00	234645.00+	Z EX2	VF,Z EX 21	WA000217
27*	234642.40	000004		CF,4.0	WA000218
28*				CNOP	WA000219
29*	234643.00		Z EX11	(IQS*)DD(BU),ILLEGAL COMMAND *	WA000220
30*	234645.00		Z EX21	(IQS*)DD(BU),LEGAL COMMAND, ILLEGAL SITUATION*	WA000221
31*				CNOP	WA000222
32*	234651.00	234652.00+	Z LISTC	VF,Z LISTX	WA000223
33*	234651.40	000004		CF,4.0	WA000224
34*				CNOP	WA000225
35*	234652.00 *		Z LISTX	(IQS*)DD(BU),	WA000226
36*				COMMAND ACCEPTED. *	WA000227
37*	234656.00		Z LIST	(IQS*)DD(BU), OUTPUT*	WA000228
38*	234657.00			(IQS*)DD(BU), ECF*	WA000229
39*	234660.00			(IQS*)DD(BU), EQJ*	WA000230
40*	234661.00			(IQS*)DD(BU), REWIND*	WA000231
41*	234662.00			(IQS*)DD(BU), REJECT*	WA000232
42*	234663.00			(IQS*)DD(BU), IOCHANGE*	WA000233
43*	234664.00			(IQS*)DD(BU), BYPASS*	WA000234
44*	234665.00 *			(IQS*)DD(BU), ONLINE*	WA000235
45*	234666.00			(IQS*)DD(BU), OFFLINE*	WA000236
46*	234667.00			(IQS*)DD(BU), ABECJ*	WA000237
47*	234670.00			(IQS*)DD(BU), COMMENT*	WA000238

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000240
2*				-	*****OUTPUT COMMAND SUB-PACKAGE*****	WA000241
3*				-		WA000242
4*	234671.00	000011.33	10	J CUTP	SX,JXMSK,\$R	WA000243
5*	234671.40	000024.00	80	422027.05 70	CTIC010(BU,18),JSR+JJ4,46	WA000244
6*	234672.40	234676.74	C2		BRZ,JXOTP -GO TO EXECUTE	WA000245
7*	234673.00	000002.00	80	422027.05 70	CTIC010(BU,18),JCP,46	WA000246
8*	234674.00	234676.74	C2		BRZ,JXOTP	WA000247
9*	234674.40	000054.00	80	422027.05 70	CTIC010(BU,18),JSR+JJ1+JOV,46	WA000248
10*	234675.40	234637.34	C2		BRZ,JFINX	WA000249
11*	234676.00	234632.10	00		B,ZEREX2	WA000250
12*	234676.40	000040.10	00	J XOTP	B,D MCP	WA000251
13*	234677.00	000115.00	80		,S OUT PT	WA000252
14*	234677.40	000000.31	01		LVI,12,C.0	WA000253
15*	234700.00	234633.10	00		B,Z EXITX	WA000254
16*				-		WA000255
17*				-	*****EOF COMMAND SUB-PACKAGE*****	WA000256
18*				-		WA000257
19*	234700.40	000011.33	10	J EOF	SX,JXMSK,\$R	WA000258
20*	234701.00 *	000414.00	80	422027.05 70	CTI0010(BU,18),JSR+JJ1+JOF,46	WA000259
21*	234702.00	234720.34	C2		BRZ,Z EOF1	WA000260
22*	234702.40	000124.00	80	422027.05 70	CTIC010(BU,18),JSR+JJ4+JNV,46	WA000261
23*	234703.40	234721.34	C2		BRZ,Z ECF2	WA000262
24*	234704.00	000254.00	80	422027.05 70	CTIC010(BU,18),JSR+JJ1+JON+JCV,46	WA000263
25*	234705.00	234715.34	C2		BRZ,Z ECF3	WA000264
26*	234705.40	000064.00	80	422027.05 70	CTIC010(BU,18),JSR+JJ4+JOV,46	WA000265
27*	234706.40	234632.34	C0		BZRZ,Z ER EX2	WA000266
28*	234707.00	234637.31	C1		LVI,12,JNOPX	WA000267
29*	234707.40	000040.10	00	Z EOF10	B,DMCP	WA000268
30*	234710.00	000120.40	80		,SLOG4	WA000269
31*	234710.40	231462.30	C0		NOP,YBCBU -HOLLERITH FIRST WORD ADDRESS	WA000270
32*	234711.00	020707.30	00		NOP,YJCDBU -A8 FIRST WORD ADDRESS	WA000271
33*	234711.40	000000.10	0C		B,0.0(\$12)	WA000272
34*	234712.00	000040.10	00	J DO IT	B,D MCP	WA000273
35*	234712.40	000117.40	80		,SKCM	WA000274
36*	234713.00	000001.00	80		,1.0	WA000275
37*	234713.40	234632.10	00		B,Z ER EX2	WA000276
38*	234714.00	000001.31	01		LVI,12,1.0	WA000277
39*	234714.40 *	234633.10	C0		B,Z EXITX	WA000278
40*	234715.00	234712.31	01	Z EOF 3	LVI,12,J DOIT	WA000279
41*	234715.40	230765.04	30	Z EOF 19	LV,2,YCICA	WA000280
42*	234716.00	000040.10	00		B,D MCP	WA000281
43*	234716.40	000121.40	80		,S LOG 1	WA000282
44*	234717.00	000000.30	02		NOP,0.0(\$2)	WA000283
45*	234717.40	000000.10	0C		B,0.0(\$12)	WA000284
46*	234720.00	234637.31	01	Z EOF 1	LVI,12,JNOP X	WA000285
47*	234720.40	234715.50	00		B,Z EOF19	WA000286
48*	234721.00	234712.31	01	Z EOF 2	LVI,12,J DOIT	WA000287
49*	234721.40	234707.50	00		B,Z EOF 10	WA000288

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000290
2*				-	*****EOJ COMMAND SUB-PACKAGE*****	WA000291
3*				-		WA000292
4*	234722.00	000011.33	10	J ECJ	SX,JXMSK,\$R	WA000293
5*	234722.40	000002.00	80		CTIC010(BU,18),JCP,46	WA000294
6*	234723.40	234727.74	C2		BRZ,JECJX -GO TO EXECUTE	WA000295
7*	234724.00	000254.00	80		CTI0010(BU,18),JSR+JJ1+JOV+JCN,46	WA000296
8*	234725.00	234727.74	C2		BRZ,J ECJ X	WA000297
9*	234725.40	000064.00	80		CTIC010(BU,18),JSR+JJ4+JOV,46	WA000298
10*	234726.40	234637.34	C2		BRZ,J NCPX	WA000299
11*	234727.00	234632.10	C0		B,Z ER EX2	WA000300
12*	234727.40 *	215001.22	80	JECJX	BZB,SJBUSY,Z EREX2	WA000301
13*	234730.40	215001.10	80		BB,SYSMOD,Z EOJX	WA000302
14*	234731.40	231133.00	80		BB,YTSTR,Z EREX2	WA000303
15*	234732.40	224052.00	80	Z EOJX	SIC,Z SPL P9	WA000304
16*	234733.00	224046.44	00		BD,Z SPL PR	WA000305
17*	234733.40	234740.00	80		,Z EOJ 99	WA000306
18*	234734.00	000004.00	80		,4.C	WA000307
19*	234734.40	215571.00	80		SIC,S PRIM R	WA000308
20*	234735.00	215570.04	00		BD,S PRIME	WA000309
21*	234735.40	000101.00	80		,DEOJ	WA000310
22*	234736.00	000002.31	01		LVI,12,2.0	WA000311
23*	234736.40	231501.01	80		CM1111(BU,1),YEOJS	WA000312
24*	234737.40	234633.00	00		BE,Z EXIT X	WA000313
25*					CNOP	WA000314
26*	234740.00 *			Z EOJ99	(A*)DD(BU),LEOJ REQUESTED BY OPERATOR. *	WA000315
27*				-		WA000316
28*				-		WA000317
29*				-	**** ABEOJ COMMAND ****	WA000318
30*				-		WA000319
31*	234744.00	000011.33	10	Z ABEND	SX,JXMSK,\$R	WA000320
32*	234744.40	000002.00	80		CTI0010(BU,18),JCP,46	WA000321
33*	234745.40	234751.74	C2		BRZ,ZAEOJX	WA000322
34*	234746.00	000254.00	80		CTI0010(BU,18),JSR+JJ1+JOV+JCN,46	WA000323
35*	234747.00	234751.74	C2		BRZ,ZAEOJX	WA000324
36*	234747.40	000064.00	80		CTIC010(BU,18),JSR+JJ4+JOV,46	WA000325
37*	234750.40	234637.34	C2		BRZ,JNOPX	WA000326
38*	234751.00	234632.10	00		B,Z EREX2	WA000327
39*	234751.40	215001.22	80	ZAEOJX	BZB,SJBUSY,Z EREX2	WA000328
40*	234752.40	215001.10	80		BB,SYSMOD,Z AEOJZ	WA000329
41*	234753.40	231133.00	80		BB,YTSTR,Z EREX2	WA000330
42*	234754.40	224052.00	80	ZAEOJZ	SIC,Z SPLP9	WA000331
43*	234755.00	224046.44	00		BD,Z SPLPR	WA000331
44*	234755.40	234761.00	80		,Z ABJ99	WA000332
45*	234756.00	000005.00	80		,5.C	WA000333
46*	234756.40	215571.00	80		SIC,SPRIMR	WA000334
47*	234757.00 *	215570.04	00		BD,SPRIME	WA000334
48*	234757.40	000104.00	80		,DABEOJ	WA000335
49*	234760.00	000011.31	01		LVI,12,9.0	WA000336
50*	234760.40	234633.00	00		BE,Z EXITX	WA000337
51*					CNOP	WA000338
52*	234761.00			Z ABJ99	(A*)DD(BU),LABNORMAL EOJ REQUESTED BY OPERATOR. *	WA000339

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000341
2*				-	*****REWIND COMMAND*****	WA000342
3*				-		WA000343
4*	234766.00	000010.33	10	Z REW CD	SX,JXMSK,\$L -INPUT SPOOL REWIND COMMAND	WA000344
5*	234766.40	000254.00	80	422067.05	70 CTIC010(BU,18),JSR+JJ1+JOV+JCN,-18	WA000345
6*	234767.40	234772.34	C2		BRZ,Z REW OK	WA000346
7*	234770.00	000064.00	80	422067.05	70 CTIC010(BU,18),JSR+JJ4+JOV,-18	WA000347
8*	234771.00	234637.34	C2		BRZ,J NOP X -NORMAL EXIT	WA000348
9*	234771.40	234632.10	00		B,Z ER EX2	WA000349
10*	234772.00	000040.10	00	Z REW OK	B,D MCP	WA000350
11*	234772.40	* 000117.40	80		,SKCM	WA000351
12*	234773.00	000002.40	80		,2.32	WA000352
13*	234773.40	000003.31	01		LVI,12,3.0	WA000353
14*	234774.00	234633.10	00		B,Z EXIT X	WA000354
15*				-		WA000355
16*				-	*****REJECT COMMAND*****	WA000356
17*				-		WA000357
18*	234774.40	000010.33	10	Z REJCT	SX,JXMSK,\$L -REJECT COMMAND	WA000358
19*	234775.00	000102.00	80	422067.05	70 CTIC010(BU,18),JOP+JNV,-18 -BYPASS,OPER SOURCE - GIVE EOJ	WA000359
20*	234776.00	234727.74	C2		BRZ,J ECJX	WA000360
21*	234776.40	000054.00	80	422067.05	70 CTIC010(BU,18),JSR+JOV+JJ1,-18	WA000361
22*	234777.40	235002.34	C2		BRZ,Z REJ 1	WA000362
23*	235000.00	000064.00	80	422067.05	70 CTIC010(BU,18),JSR+JOV+JJ4,-18 -NOT RELEVANT	WA000363
24*	235001.00	234637.34	C2		BRZ,JNOPX	WA000364
25*	235001.40	234632.10	00		B,Z ER EX2	WA000365
26*	235002.00	232716.40	80	023100.32	B0 Z REJ 1 M-1(BU,19,1),J RETA -SET ERROR RETURN ADDRESS	WA000366
27*	235003.00	000004.31	01		LVI,12,4.0	WA000367
28*	235003.40	234633.10	00		B,ZEXITX	WA000368
29*				-		WA000369
30*				-	*****IOCHANGE PACKAGE*****	WA000370
31*				-		WA000371
32*	235004.00	000000.00	85	000040.20	50 Z CONV C L(BU,64),0.0(\$5),64	WA000372
33*	235005.00	201200.00	80	414000.06	70 LFI(BU,12),(8)2012	WA000373
34*	235006.00	* 235022.12	10		LX,5,Z XWCV	WA000374
35*	235006.40	000000.06	85	206003.23	10 ZCG 1 KF(V+IC)(BU,6),0.6(\$5),6 -TEST FOR BCD BLANK (8) 20	WA000375
36*	235007.40	235013.76	C2		BAE,ZCG 2 -BRANCH IF BLANK	WA000376
37*	235010.00	235021.30	42		BXCZ,ZCG 5 -BR IF 3RD CHAR NOT BL TO ERROR	WA000377
38*	235010.40	777777.72	85	006000.23	10 KF(BU,6),-.6(\$5) -TEST FOR BCD ZERO (8) 12	WA000378
39*	235011.40	235006.76	C0		BZAE,ZCG 1 -BRANCH IF NOT ZERO	WA000379
40*	235012.00	777777.72	85	006000.00	F0 CMOC00(BU,6),-.6(\$5)	WA000380
41*	235013.00	235006.50	00		B,ZCG 1	WA000381
42*	235013.40	000002.13	0A		ZCG 2 KCI,5,2.0	WA000382
43*	235014.00	235015.72	C0		BZXE,Z END 1	WA000383
44*	235014.40	000011.22	00		Z,\$R	WA000384
45*	235015.00	235020.50	00		B,Z END	WA000385

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235015
1*	235015.40	235017.70	42	Z END 1	BXCZ,Z END 2		WA000387
2*	235016.00	777777.64	85		LCV(DU,6,6),-.12(\$5),46	-CONVERT ONE CHARACTER	WA000388
3*	235017.00	235020.50	00		B,Z END		WA000389
4*	235017.40	777777.56	85	Z END 2	LCV(DU,12,6),-.18(\$5),46	-CONVERT TWO CHARACTERS	WA000390
5*	235020.40	235020.50	00	Z END	B,\$	-RETURN	WA000391
6*	235021.00	234631.10	00	Z CG 5	B,Z ER EX1		WA000392
7*	235022.00	* 000010.00+	000	Z XW CV	XW,\$L,3.0		WA000393
8*	235023.00	235115.23	80	ZICCH	CM1111(BU,1),RMOVE.19		WA000394
9*	235024.00	000010.33	10		SX,JXMSK,\$L		WA000395
10*	235024.40	000104.00	80		CTIC010(BU,18),JSR+JNV,-18		WA000396
11*	235025.40	235032.74	C2		BRZ,Z TST C1	-BRANCH IF YES TO ACTION	WA000397
12*	235026.00	000064.00	80		CTIC010(BU,18),JSR+JJ4+JOV,-18		WA000398
13*	235027.00	234637.34	C2		BRZ,JNOPX		WA000399
14*	235027.40	000254.00	80		CTIC010(BU,18),JSR+JJ1+JON+JOV,-18		WA000400
15*	235030.40	235032.74	C2		BRZ,Z TST C1	-BRANCH IF YES TO ACTION	WA000401
16*	235031.00	000002.00	80		CTIC010(BU,18),JCP,-18	-TEST IF OPERATOR SOURCE	WA000402
17*	235032.00	234632.34	C0		BZRZ,Z ER EX2		WA000403
18*	235032.40	000013.51	80	Z TST C1	CM0000(BU,6),\$PGO	-INITIALIZE SWITCHES	WA000404
19*	235033.40	234562.13	01		LVI,5,J FLDB+2.0		WA000405
20*	235034.00	235020.40	80		SIC,Z END		WA000406
21*	235034.40	235004.10	00		B,Z CONV C		WA000406
22*	235035.00	* 215002.34	80	Z COMP C	K(BU,18),S CHAN K,46	-COMPARE MAX BASIC EXCH CHAN	WA000407
23*	235036.00	234631.36	40		BZAL,Z ER EX1		WA000408
24*	235036.40	215002.20	10		LX,Z REQ CH,S XCHAN	-GET BINARY CHANNEL NUMBER	WA000409
25*	235037.00	000011.20	80		V+,Z REQ CH,\$R		WA000410
26*	235037.40	000037.00	80		KI(BU,18),31.0,46	-COMPARE WITH MAX DISK CHAN	WA000411
27*	235040.40	235325.77	40		BZAH,Z DSKCH	-BRANCH IF DISK CHAN	WA000412
28*	235041.00	614343.00	80		LI(BU,18),Z ALL		WA000413
29*	235042.00	234563.00	80		KF(BU,18),J FLDB+3.0		WA000414
30*	235043.00	235211.36	C2		BAE,Z CHONY		WA000415
31*							WA000416
32*						-***** UNIT AND CHANNEL REQUEST *****	WA000417
33*	235043.40	234563.13	01		LVI,5,J FLDB+3.0		WA000418
34*	235044.00	235020.40	80		SIC,Z END		WA000419
35*	235044.40	235004.10	00		B,Z CONV C	-GET UNIT NUMBER	WA000419
36*	235045.00	000000.73	88		K(BU,4),S UNIT K(ZREQCH),46	-IS UNIT NUMBER LEGAL FOR CHANNEL	WA000420
37*	235046.00	234631.36	40		BZAL,Z ER EX1		WA000421
38*	235046.40	000000.14	38		LV,Z REQ UN,0.0(Z REQ CH)	-GET UNIT STATUS ADDR	WA000422
39*	235047.00	000011.14	80		V+,Z REQUN,\$R		WA000423
40*	235047.40	235050.00	00	Z JOE	BE,\$+.32		WA000424
41*	235050.00	235050.44	00		BD,\$+.32		WA000425
42*	235050.40	* 000000.32	88		BZB,S CHOP(Z REQ CH),Z ACT ON	-BRANCH IF NOT OPERATING	WA000426
43*	235051.40	000000.33	88		BZB,S MULTI(ZREQ CH),Z JOE	-OPER.,BR IF SINGLE	WA000427
44*	235052.40	000000.47	86		BZB,S SEL(Z REQ UN),Z JOE		WA000428
45*	235053.40	000000.33	88	ZACTON	BZB,SMULTI(ZREQCH),RBYPTT		WA000429
46*	235054.40	000000.63	86		C0011(BU,3),SMOUNT(ZREQUN)		WA000430
47*	235055.40	235057.34	C0		BZRZ,RBYPTT		WA000431
48*	235056.00	235115.23	80		CM0000(BU,1),RMOVE.19		WA000432
49*	235057.00	234564.00	80	RBYPTT	L(BU,48),JFLDB+4.0		WA000433
50*	235060.00	616464.00	80		KI(BU,18,6),Z ADD,30	-IS IT ADD	WA000434
51*	235061.00	215001.02	80		CM1111,S CNF CG	-SET IOASSN BIT	WA000435
52*	235062.00	235215.25	42		BPG1,Z CHON2	-BRANCH IF CHAN ONLY REQUEST	WA000436

LINE	LOCATICN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*					-***** UNIT AND CHANNEL REQUEST *****	WA000438
2*	235062.40	235272.36	C2		BAE,Z ADD UN -BRANCH TO ADD UNIT	WA000439
3*	235063.00	000000.34	86	234631.34	OE BB1,S UN AVL(Z REQ UN),ZEREX1 -BRANCH IF UNAVAILABLE	WA000440
4*	235064.00 *	000000.35	86	235341.34	OE BB1,S UN ASG(Z REQ UN),Z MAIN D	WA000441
5*	235065.00	235372.00	80	044606.21	10 K(BU,36,6),Z DELET,12	WA000442
6*	235066.00	235363.36	C0		BZAE,Z MNER9 -IF NOT DELETE, TO MAIN. ERROR	WA000443
7*	235066.40	000000.40	86	235347.74	00 ZOWNER BZB,SOWNER(ZREQUN),ZABEOJ -TO ABEQJ IF PP UNIT	WA000444
8*					-DO NOT TRY TO REASSIGN	WA000445
9*	235067.40	235143.40	80		SIC,Z SCAN 9	WA000446
10*	235070.00	235071.10	00		B,Z CH SCN	WA000447
11*	235070.40	235234.10	00		B,Z DONE -UNIT FOUND FOR MCP	WA000448
12*						WA000449
13*					-***** COMMON SCAN FOR NEW UNIT *****	WA000450
14*	235071.00	000020.07	01	Z CH SCN	LVI,Z CHN NM,16.0	WA000451
15*	235071.40	000000.11	01		LVI,Z UNT NM,0.0	WA000452
16*	235072.00	215002.16	10		LX,Z NEW CH,S X CHAN -GET BASE ADDR AND NO. OF CHNS.	WA000453
17*	235072.40	000000.64	88	004000.06	70 LF,S EQUIP(Z REQ CH) -GET EQUIP TYPE FOR NEW UNIT	WA000454
18*	235073.40	000040.17	C8		C-I,Z NEW CH,32.0	WA000455
19*	235074.00	000040.17	05		V+I,Z NEW CH,32.0	WA000456
20*	235074.40	000000.64	87	004000.23	10 Z LOP 0 KF,S EQUIP(Z NEW CH)	WA000457
21*	235075.40	235077.76	C2		BAE,Z OK EQP	WA000458
22*	235076.00	000000.47	05	ZLCP1	V+I,ZCHNM,.32	WA000459
23*	235076.40	235074.57	48		CB+,ZNEWCH,ZLOPO	WA000460
24*	235077.00	235171.50	00		B,Z REMOV -SET SWITCH TO REMOVE PP IF UNIT	WA000461
25*					-NOT FOUND ON FIRST PASS	WA000462
26*	235077.40 *	000000.31	87	235076.34	02 Z OK EQP BB,S CH AVL(Z NEW CH),Z LOP 1	WA000463
27*	235100.40	000000.33	88	235103.34	02 BB,S MULTI(Z REQ CH),Z MUL UN	WA000464
28*	235101.40	000001.23	02		LCI,Z NEW UN,1. -UNIT COUNT FOR SINGLE UNIT CHAN.	WA000465
29*	235102.00	000027.22	30		LV,Z NEW UN,Z NEW CH -GET CHAN. STAT ADDR	WA000466
30*	235102.40	235105.10	C0		B,Z IG ZAG	WA000467
31*	235103.00	000000.73	87	004067.06	70 Z MUL UN LF,S UNIT K(Z NEW CH),-18	WA000468
32*	235104.00	000010.22	50		LC,Z NEW UN,\$L -UNIT COUNT ON MULTI-CHANNEL	WA000469
33*	235104.40	000000.22	37		LV,Z NEW UN,0.0(Z NEW CH) -GET UNIT STATUS BASE ADDR	WA000470
34*	235105.00	235173.65	80	001000.36	F0 Z IG ZAG CM1111(BU,1),Z RMV1+0.53	WA000471
35*	235106.00	000000.34	89	235111.34	00 BZB,S UN AVL(Z NEW UN),Z AVL UN -BR IF AVAILABLE	WA000472
36*	235107.00	000001.11	05	Z TST UN	V+I,Z UNT NM,1.0 -UPDATE NEW UNIT NUMBER	WA000473
37*	235107.40	235106.23	48		CB+,ZNEWUN,ZIGZAG+1.0 -LOOP IF MORE UNITS ON CHANNEL	WA000474
38*	235110.00	000000.11	01		LVI,Z UNT NM,0.0 -CLEAR NEW UNIT NUMBER	WA000475
39*	235110.40	235076.10	00		B,Z LOP 1 -NO - BACK TO CONTINUE CH TEST	WA000476
40*						WA000477
41*					-***** CHANNEL AND UNIT ARE AVAILABLE *****	WA000478
42*	235111.00	235156.24	C2	Z AVL UN	BPGC,Z TSTPP -BRANCH IF SECOND PASS	WA000479
43*	235111.40	000000.35	89	235107.34	04 BZBZ,S UN ASG(Z NEW UN),Z TST UN -IF ASSIGNED UNIT, TO TEST FOR	WA000480
44*					-MORE UNITS ON CHAN. IF NOT ASSGN,	WA000481
45*					-TO FOUND ON FIRST PASS SCAN.	WA000482
46*					-SET UNIT ASSIGNED IF UNASSNGED	WA000483
47*	235112.40	000000.40	68	Z SET AS	L(U),0.0(Z REQ CH)	WA000484
48*	235113.00 *	000000.24	36		LV,ZUNITA,0(ZREQUN) -GET REQ. UA ADD.	WA000485
49*	235113.40	400000.00	80	404044.23	10 KFI(BU,4),(8)10,-56	WA000486
50*	235114.40	235122.76	C0		BZAE,ZASSGN -BRANCH IF NOT TAPE	WA000487
51*	235115.00	235117.70	00	RMOVE	NOP,RGOING	WA000488
52*	235115.40	000000.63	89	001000.36	F0 CM1111(BU,1),S MOUNT(Z NEW UN)	WA000489
53*	235116.40	000000.50	89	001000.36	F0 CM1111(BU,1),S VER(Z NEW UN)	WA000490

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	235117	
1*	235117.40	000000.33	89	001000.00	FC	RGCING	CMOC00,SDISPO(ZNEWUN)	WA000492
2*	235120.40	000000.32	89	001000.36	FC		CM1111,S TATI(Z NEW UN)	WA000493
3*	235121.40	000000.13	09				LVNI,5,0.0	WA000494
4*	235122.00	CCCC07.53	3A				SV,5,S FILE K(Z UNIT A)	WA000495
5*	235122.40	C00000.71	89	007000.00	FC	Z ASSGN	CMOC00(BU,7),SRD(Z NEW UN)	WA000496
6*	235123.40	000000.51	89	010000.00	FC		CMOC00(BU,8),S VER+.1(Z NEW UN)	WA000497
7*	235124.40	000000.40	89	001000.36	FO		CM1111,S OWNER(Z NEW UN)	WA000498
8*	235125.40	000012.22	00				Z,\$SB	WA000499
9*	235126.00	* 000012.02	80	002000.36	FO		CM1111(BU,2),\$SB+.2	WA000500
10*	235127.00	000000.25	39				SV,Z UNIT A,0.0(Z NEW UN)	WA000501
11*	235127.40	233024.70	00			ZLCD LP	NOP,Z ASN 51	WA000502
12*	235130.00	000000.14	8A	007042.20	30		LCV,S CHAN N(Z UNIT A),68	WA000503
13*	235131.00	000011.11	10				SX,Z UNT NM,\$R	WA000504
14*	235131.40	235206.57	80	020042.24	DO		ST(DU,16,8),Z SMSG2-.1,68	WA000505
15*	235132.40	000000.40	6A				L(U),0.0(Z UNIT A)	WA000506
16*	235133.00	000000.07	1A				SX,Z CHN NM,S CHAN N(Z UNIT A)	WA000507
17*	235133.40	000400.27	20				SHFL,2	WA000508
18*	235134.00	235210.07	80	010030.24	DO		ST(DU,8,8),ZSMSG5-.1,48	WA000509
19*	235135.00	000000.51	3A				SV,Z UNTNM,S UNIT N(Z UNIT A)	WA000510
20*	235135.40	235207.07	80	010050.24	DO		ST(DU,8,8),ZSMSG3-.1,-48	WA000511
21*	235136.40	000000.14	8A	007000.20	30		LCV,S CHAN N(Z UNIT A)	WA000512
22*	235137.40	235207.57	80	020000.24	DO		ST(DU,16,8),Z SMSG4-.1	WA000513
23*	235140.40	000040.00	00				BE,D MCP	WA000514
24*	235141.00	000043.40	80				,D COMM	WA000515
25*	235141.40	235204.00+					VF,Z SCMSG	WA000516
26*	235142.00	000005					CF,5.	WA000517
27*	235142.40	* 235143.25	80			Z SCAN 7	SIC,\$+0.53	WA000518
28*	235143.00	235144.30	06				NCP,Z SCAN 8(\$6)	WA000519
29*	235143.40	000000.10	00			Z SCAN 9	B,0.0	WA000520
30*	235144.00	000013.00	80	235155.02	A0	Z SCAN 8	TI,1,\$IND,Z ST IND	WA000521
31*	235145.00	215571.00	80				SIC,S PRIMR	WA000522
32*	235145.40	215570.04	00				BD,S PRIME	WA000523
33*	235146.00	000104.00	80				,D ABEOJ	WA000524
34*	235146.40	224052.00	80				SIC,Z SPL P9	WA000525
35*	235147.00	224046.44	00				BD,Z SPL PR	WA000526
36*	235147.40	235260.00	80				,Z SPL01	WA000527
37*	235150.00	000005.00	80				,5.	WA000528
38*	235150.40	235151.00	00				BE,\$+.32	WA000529
39*	235151.00	000040.00	00				BE,D MCP	WA000530
40*	235151.40	000043.40	80				,D COMM	WA000531
41*	235152.00	235265.00+					VF,Z QUZ 49	WA000532
42*	235152.40	000005					CF,5.	WA000533
43*	235153.00	235155.00	80	000013.02	A0		TI,1,Z ST IND,\$IND	WA000534
44*	235154.00	235143.50	00				B,Z SCAN 9	WA000535
45*	235155.00	* 000001.00				Z ST IND	DRZ(N),(1)	WA000536
46*	235156.00	000000.40	89	235107.34	02	Z TST PP	BB,S OWNER(Z NEW UN),Z TST UN	WA000537
47*							-SECOND PASS SCAN - BRANCH	WA000538
48*	235157.00	000001.76	8A	001000.36	FO		CM1111,SUUNAS(ZUNITA)	WA000539
49*	235160.00	235162.66	42				BPG3,Z PREST	WA000540
50*	235160.40	235143.25	80	001000.36	FO		CM1111(BU,1),Z SCAN 7+0.53	WA000541

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	235161
1*	235161.40	000013.54 80	001000.36 FO	CM1111(BU,1),Z PR ABJ	-SET ABEOJ PRIME SWITCH	WA000543
2*	235162.40	000000.33 87	235166.74 00	Z PREST BZB,S MULTI(Z NEW CH),Z SCH TS	-BR IF SINGLE UNIT CHANNEL	WA000544
3*	235163.40	000000.32 87	235112.74 00	Z TEST U BZB,S CHOP(Z NEW CH),Z SET AS	-BRANCH IF NOT OPERATING	WA000545
4*	235164.40	000000.47 87	235112.74 02	BB,S SEL(Z NEW CH),Z SET AS	-BRANCH IF NOT SELECTED	WA000546
5*	235165.40	235166.00 00		BE,\$+.32		WA000547
6*	235166.00	235163.44 00		BD,Z TEST U		WA000548
7*	235166.40	000000.32 87	235170.74 00	Z SCH TS BZB,S CHOP(Z NEW CH),\$+2.0		WA000549
8*	235167.40	235170.00 00		BE,\$+.32		WA000550
9*	235170.00	235166.44 00		BD,Z SCH TS		WA000551
10*	235170.40	000000.24 36		LV,Z UNIT A,0.0(Z REQ UN)		WA000552
11*	235171.00 *	235122.50 00		B,Z ASSGN		WA000553
12*						WA000554
13*	235171.40	235174.24 C6		Z REMOV BPG0Z,Z NOT FD		WA000555
14*	235172.00	000013.51 80	001000.36 FO	CM1111(BU,1),Z SCN P2	-SET SECOND PASS SCAN SWITCH	WA000556
15*	235173.00	235173.65 80		Z RMV 1 SIC,Z RMV1+0.53		WA000557
16*	235173.40	235071.30 06		NOP,Z CH SCN(\$6)	-SELF RESETTING SWITCH	WA000557
17*					-FOR NC UNITS FOUND ON FIRST PASS	WA000558
18*	235174.00	000040.00 00		Z NCTFD BE,C MCP		WA000559
19*	235174.40	000043.40 80		,D COMM		WA000560
20*	235175.00	235177.00+		VF,Z NTFD 9		WA000561
21*	235175.40	000005		CF,5.0		WA000562
22*	235176.00	000000.22 30		LV,9,C.C		WA000563
23*	235176.40	235143.50 00		B,Z SCAN9		WA000564
24*				CNOP		WA000565
25*	235177.00			Z NTFD 9 (IQS*)DD(BU), NO REPLACEMENT FOR DELETED MCP UNIT.	*	WA000566
26*				CNOP		WA000567
27*	235204.00 *			Z SCMSG (IQS*)DD(BU), CHANGE *		WA000568
28*	235205.00			Z SMSG1 (IQS*)DD(BU),MCP UNIT FROM *		WA000569
29*	235206.60			Z SMSG2 (IQS*)DD(BU), -*		WA000570
30*	235207.10			Z SMSG3 (IQS*)DD(BU), TC *		WA000571
31*	235207.60			Z SMSG4 (IQS*)DD(BU), -*		WA000572
32*	235210.10			Z SMSG5 (IQS*)DD(BU), . *		WA000573
33*						WA000574
34*					-***** CHANNEL ONLY REQUEST *****	WA000575
35*	235211.00	000013.52 80	001000.36 FO	Z CH ONY CM1111(BU,1),Z IND CH	-SET CHAN ONLY SWITCH	WA000576
36*	235212.00	000000.14 10		LX,Z REQ UN,\$Z		WA000577
37*	235212.40	235213.00 00		Z CHON3 BE,\$+.32		WA000578
38*	235213.00	235213.44 00		BD,\$+.32		WA000579
39*	235213.40	000000.32 88	235212.74 02	BB,S CHOP(Z REQ CH),Z CHON3		WA000580
40*	235214.40	235053.50 00		B,Z ACT ON	-BRANCH TO TEST OP CODE	WA000581
41*	235215.00	235324.36 C2		Z CHON2 BAE,Z ADD CH	-BRANCH TO ADD CHANNEL	WA000582
42*	235215.40	000000.31 88	234631.34 0E	BB1,S CH AVL(Z REQ CH),Z ER EX1	-BRANCH IF UNAVAILABLE	WA000583
43*					-IF AVAILABLE,MAKE UNAVAILABLE	WA000584
44*	235216.40	000000.33 88	235223.34 02	BB,S MULTI(Z REQ CH),Z MULCH	-TEST IF MULTI UNIT CHAN	WA000585
45*						WA000586
46*					-***** SINGLE UNIT CHANNEL ONLY REQUEST *****	WA000587
47*	235217.40	000030.14 30		LV,Z REQ UN,Z REQ CH	-UNIT AND CHAN ST SAME FOR	WA000588
48*					-SINGLE UNIT CHAN	WA000589
49*	235220.00 *	000000.35 86	235341.34 0E	BB1,S UN ASG(Z REQ UN),Z MAIN D	-BR IF NOT ASSGN TO MAIN DEL	WA000590
50*					-SET UNIT UNASSIGNED IF ASSIGND	WA000591

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235221
1*	235221.00	235372.00	80	044606.21	10	K,Z DELET,12	WA000593
2*	235222.00	235365.76	C0			BZAE,Z MNERX	WA000594
3*	235222.40	235066.50	00			B,ZOWNER	WA000595
4*							WA000596
5*						- ***** MULTI-CHANNEL ONLY REQUEST *****	WA000597
6*	235223.00	00000.14	38	Z MULCH	LV,Z REQ UN,0.0(Z REQ CH)	-GET UNIT ST TBL BASE ADDR	WA000598
7*	235223.40	00000.73	88	004067.06	70	LF,S UNIT K(Z REQ CH),-18	WA000599
8*	235224.40	000010.14	50			LC,Z REQ UN,\$L	WA000600
9*	235225.00	000000.35	86	235236.74	0E	ZQUES1 BBI,SUNASG(ZREQUN),ZQUS11	WA000601
10*						-BRANCH IF NOT ASSIGNED TO TEST	WA000602
11*	235226.00	235227.67	42			-IF ALL UNITS ON CHAN UNASN	WA000603
12*	235226.40	000013.56	80	001000.36	FO	BPG5,\$+1.32	WA000604
13*	235227.40	235372.00	80	044606.23	10	CM1111,Z ASU IN	WA000605
14*	235230.40	235365.76	C0			-SET ASSN UNIT IND ON	WA000606
15*	235231.00	000000.40	86	235252.34	02	KF,Z DELET,12	WA000607
16*	235232.00	235235.25	C0			BZAE,Z MNERX	WA000608
17*	235232.40	235225.15	48	Z QUES 2	CB+,Z REQ UN,Z QUES1	-IF NOT DELETE, TO ERROR CHK	WA000609
18*						-BR IF REQ MULTI-CH UNIT IS MCP	WA000610
19*	235233.00	235341.27	40			-CH ONLY DEL OF MUL CH FOR PP	WA000611
20*	235233.40	235243.65	C2			-ANY MORE UNITS TO BE EXAMINED	WA000612
21*	235234.00	000005.31	01	Z DONE	LVI,12,5.0	-ON REQUESTED CHANNEL	WA000613
22*	235234.40	234633.10	00			-BRANCH IF ANY PP UNITS ON CHAN	WA000614
23*	235235.00	000013.53	80	001000.36	FO	B,Z EXITX	WA000615
24*	235236.00	235232.50	00	Z SET PP	CM1111(BU,1),Z PP CHD	-SET PP UNIT SWITCH FOR PRIME	WA000616
25*	235236.40	235232.67	C2	Z QUS 11	BPG6,Z QUES 2	-IF OP TESTED, LOOK FOR MORE UNS	WA000617
26*	235237.00	000013.57	80	001000.36	FO	B,Z QUES 2	WA000618
27*	235240.00	235372.44	80	044606.23	10	CM1111,Z OP TST	WA000619
28*	235241.00	235232.76	C2			-SET OP CODE TEST IND CN	WA000620
29*	235241.40	235372.00	80	044606.23	10	KF,Z DELT M,12	WA000621
30*	235242.40	235232.76	C2			BAE,Z QUES 2	WA000622
31*	235243.00	234631.10	00			B,Z ER EX1	WA000623
32*	235243.40	235234.26	42	Z QUES4	BPG3,Z DONE	-BRANCH IF ABEOJ,JC4 PRIMED	WA000624
33*	235244.00	224052.00	80			SIC,Z SPL P9	WA000625
34*	235244.40	224046.44	C0			BD,Z SPL PR	WA000626
35*	235245.00	235260.00	80			,Z SPL C1	WA000627
36*	235245.40	000005				CF,5.0	WA000628
37*	235246.00	215571.00	80			SIC,S PRIM R	WA000629
38*	235246.40	215570.04	00			BD,S PRIME	WA000630
39*	235247.00	000104.00	80			,D ABEOJ	WA000631
40*	235247.40	000040.00	00			BE,C MCP	WA000632
41*	235250.00	000043.40	80			,D COMM	WA000633
42*	235250.40	235265.00+				VF,Z QUZ 49	WA000634
43*	235251.00	000005				CF,5.0	WA000635
44*	235251.40	235234.10	00			B,Z DONE	WA000636
45*	235252.00	000011.04	10	Z MCP MC	LX,2,\$R	-SAVE OP CODE IN ACC	WA000637
46*	235252.40	000000.35	86	001000.36	FO	CM1111(BU,1),S UN ASG(Z REQ UN)	WA000638
47*	235253.40	235143.40	80			-SET UNIT UNASSIGNED	WA000639
48*	235254.00	235071.10	00			SIC,Z SCAN9	WA000639
						B,Z CH SCN	WA000639
						-GO TO SCAN FOR NEW MCP UNIT	

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235254
1*	235254.40	234637.31	42		BXVZ,J NOP X	-NOTHING MORE AVAILABLE	WA000641
2*	235255.00	000011.05	10		SX,2,\$R	-RESTORE RT ACC	WA000642
3*	235255.40	235256.00	00	Z PETE	BE,\$+.32		WA000643
4*	235256.00	235256.44	00		BD,\$+.32		WA000644
5*	235256.40	000000.32	88		235255.74 02 BB,S CHOP(Z REQ CH),Z PETE		WA000645
6*	235257.40	235232.50	00		B,Z QUES 2		WA000646
7*					CNOP		WA000647
8*	235260.00 *			Z SPL01	(A*)DD(BU,64,8),LABNORMAL EQJ TO P.P. MCP NEEDS CHANNEL.*		WA000648
9*					CNOP		WA000649
10*	235265.00			Z QUZ49	(IQS*)DD(BU),ABNORMAL EQJ TO P.P. MCP NEEDS CHANNEL.*		WA000650
11*							WA000651
12*					***** ADD UNIT SECTION *****		WA000652
13*	235272.00	000000.34	86	Z ADD UN	BZBZ,S UN AVL(Z REQ UN),Z ER EX1		WA000653
14*	235273.00	000000.33	88		235276.74 00 BZB,S MULTI(Z REQ CH),Z INSRT -BRANCH IF SINGLE UNIT FOR TYPE		WA000654
15*	235274.00	000000.50	86	ZFINI4	CMOC00(BU,9),SVER(ZREQUN) -CLEAR STATUS TABLE		WA000655
16*	235275.00	000000.71	86		007000.00 F0 CMOC00(BU,7),S RD(Z REQ UN)		WA000656
17*	235276.00 *	235234.10	00		B,ZCONE		WA000657
18*	235276.40	234565.00	80	ZINSRT	L(BU,48),JFLDB+5.0		WA000658
19*	235277.40	000030.14	30		LV,ZREQUN,ZREQCH		WA000659
20*	235300.00	235321.00	80		060600.23 10 KF(BU,48,6),ZNOTYP		WA000660
21*	235301.00	235274.36	C2		BAE,Z FINI4		WA000661
22*	235301.40	235321.60	80		060600.23 10 KF(BU,48,6),Z RD TYP		WA000662
23*	235302.40	235305.76	C0		BZAE,Z NX QUZ		WA000663
24*	235303.00	300000.00	80		403000.06 70 LFI(BU,3),(2)011 -READER - 3		WA000664
25*	235304.00	000000.64	88		003000.12 F0 SF(BU,3),S EQUIP(Z REQ CH)		WA000665
26*	235305.00	235274.10	00		B,Z FINI 4		WA000666
27*	235305.40	235322.40	80	Z NX QUZ	KF(BU,48,6),Z PR TYP		WA000667
28*	235306.40	235311.76	C0		BZAE,Z NXT QZ		WA000668
29*	235307.00	400000.00	80		403000.06 70 LFI(BU,3),(2)100 -PRINTER - 4		WA000669
30*	235310.00	000000.64	88		003000.12 F0 SF(BU,3),S EQUIP(Z REQ CH)		WA000670
31*	235311.00	235274.10	00		B,ZFINI4		WA000671
32*	235311.40 *	235323.20	80	Z NXT QZ	KF(BU,48,6),Z PU TYP		WA000672
33*	235312.40	235317.36	C0		BZAE,Z TYP ER -ERROR IN TYPE		WA000673
34*	235313.00	500000.00	80		403000.06 70 LFI(BU,3),(2)101 -PUNCH - 5		WA000674
35*	235314.00	000000.64	88		003000.12 F0 SF(BU,3),S EQUIP(Z REQ CH)		WA000675
36*	235315.00	235274.10	00		B,ZFINI4		WA000676
37*	235315.40	000000.31	88	Z CHTPE	CM1111,S CH AVL(Z REQ CH)		WA000677
38*	235316.40	234631.10	00		B,Z ER EX1		WA000678
39*	235317.00	235315.65	42	Z TYPER	BPG1,Z CHTPE		WA000679
40*	235317.40	000000.34	86		001000.36 F0 CM1111,S UNAVL(Z REQ UN)		WA000680
41*	235320.40	234631.10	00	Z TYPR5	B,Z ER EX1		WA000681
42*	235321.00			Z NO TYP	(A*)DD(BU,48,6), *		WA000682
43*	235321.60			Z RD TYP	(A*)DD(BU,48,6),READER *		WA000683
44*	235322.40			Z PR TYP	(A*)DD(BU,48,6),PRINTER *		WA000684
45*	235323.20			Z PU TYP	(A*)DD(BU,48,6),PUNCH *		WA000685
46*							WA000686
47*					***** ADD CHANNEL SECTION *****		WA000687
48*	235324.00	000000.31	88	Z ADD CH	BZBZ,S CH AVL(Z REQ CH),Z ER EX1		WA000688
49*	235325.00 *	235273.10	00		B,Z ADD UN+1.0		WA000689

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000691
2*				-	***** DISK SECTION *****	WA000692
3*	235325.40	234563.01	80	Z DSK CH	BZB,J FLDB+3.1,Z ER EX1	WA000693
4*	235326.40	234564.00	80		L(BU,48),J FLDB+4.0	WA000694
5*	235327.40	616464.00	80		KFI(BU,18,6),Z ACC,30	WA000695
6*	235330.40	235337.76	C2		BAE,Z AD DSK	WA000696
7*	235331.00	235372.00	80		KF(BU,36,6),Z DELET,12	WA000697
8*	235332.00	235336.36	C2		BAE,Z DL DSK	WA000698
9*	235332.40	235372.44	80		KF(BU,36,6),Z DELT M,12	WA000699
10*	235333.40	235336.36	C2		BAE,Z DL DSK	WA000700
11*	235334.00	234631.10	00		B,Z ER EX1	WA000701
12*	235334.40	215001.02	80	Z 9500	CM1111,S CNF CG	WA000702
13*	235335.40	235234.10	00		B,Z DONE	WA000703
14*	235336.00	000000.31	88	Z DL DSK	BB1,S CH AVL(Z REQ CH),Z ER EX1-BRANCH IF UNAVAILABLE	WA000704
15*	235337.00	235334.50	00		B,Z 9500	WA000705
16*	235337.40	000000.31	88	Z AD DSK	BZBZ,S CH AVL(Z REQ CH),Z ER EX1	WA000706
17*	235340.40 *	235334.50	00		B,Z 9500	WA000707
18*				-		WA000708
19*				-	***** MAINTENANCE DELETE SECTION ****	WA000709
20*	235341.00	235372.00	80	Z MAIN D	KF,Z DELET,12	WA000710
21*	235342.00	235234.36	C2		BAE,Z DONE	WA000711
22*	235342.40	235372.44	80		KF,Z DELT M,12	WA000712
23*	235343.40	235234.36	C2		BAE,Z DONE	WA000713
24*	235344.00	215001.02	80		CM0000,S CNF CG	WA000714
25*	235345.00	000000.31	88		CM0000,S CH AVL(Z REQ CH)	WA000715
26*	235346.00	000000.34	86		CM0000,S UN AVL(Z REQ UN)	WA000716
27*	235347.00	234631.10	00		B,Z ER EX1	WA000717
28*	235347.40	224052.00	80	Z ABEQJ	SIC,Z SPL P9	WA000718
29*	235350.00	224046.44	00		BD,Z SPL PR	WA000719
30*	235350.40	235260.00	80		,Z SPL C1	WA000720
31*	235351.00	000005			CF,5.	WA000721
32*	235351.40	215571.00	80		SIC,S PRIM R	WA000722
33*	235352.00	215570.04	00		BD,S PRIME	WA000723
34*	235352.40	000104.00	80		,D ABEQJ	WA000724
35*	235353.00	000040.00	00		BE,D MCP	WA000725
36*	235353.40	000043.40	80		,D COMM	WA000726
37*	235354.00	235356.00+			VF,ZABJ 1	WA000727
38*	235354.40 *	000005			CF,5.	WA000728
39*	235355.00	235234.10	00		B,Z DONE	WA000729
40*	235355.40	000000.30	00		CNOP	WA000730
41*	235356.00			Z ABJ 1	(IQS*)DD(BU),P.P. UNIT DOWN AND DELETED. ABEQJ TO PP.*	WA000731
42*				-		WA000732
43*				-	***** IOCHANGE ERROR ROUTINES *****	WA000733
44*				-		WA000734
45*	235363.00	000000.34	86	Z MN ER9	CM0000,S UN AVL(Z REQ UN)	WA000735
46*	235364.00	000000.35	86		CM0000,S UN ASG(Z REQ UN)	WA000736
47*	235365.00	235366.50	00		B,ZMNERR	WA000737
48*	235365.40	000000.31	88	Z MNER X	CM0000,S CH AVL(Z REQ CH)	WA000738
49*	235366.40	215001.02	80	Z MN ERR	CM0000,S CNF CG	WA000739
50*	235367.40 *	235372.44	80		KF,Z DELT M,12	WA000740
51*	235370.40	234631.36	00		BZAE,Z ER EX1	WA000741
52*	235371.00	234632.10	00		B,Z ER EX2	WA000742

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	235371
1*	235371.40	000000.30 00		CNOP		WA000744
2*	235372.00		Z DELET	(AX)DD(BU,36,6),DELETX		WA000745
3*	235372.44		Z DELT M	(AX)DD(BU,36,6),DELETMX		WA000746
4*	000000.00+	+00616464	BU,22 ,06	Z ADD (AX)DDI(BU,18,6),ADDX		WA000747
5*	000000.00+	+00614343	BU,22 ,06	Z ALL (AX)DDI(BU,18,6),ALLX		WA000748
6*	000023.00+	+00000000	BU,100,10	Z CHN NM SYN,\$X3		WA000749
7*	000024.00+	+00000000	BU,100,10	Z UNT NM SYN,\$X4		WA000750
8*	000026.00+	+00000000	BU,100,10	Z REQ UN SYN,\$6	-REQUESTED UNIT ST ENTRY ADDR	WA000751
9*	000027.00+	+00000000	BU,100,10	Z NEW CH SYN,\$7	-NEW CHAN STATUS ENTRY ADDR	WA000752
10*	000030.00+	+00000000	BU,100,10	Z REQ CH SYN,\$8	-REQUESTED CH STAT ENTRY ADDR	WA000753
11*	000031.00+	+00000000	BU,100,10	Z NEW UN SYN,\$9	-NEW UNIT STS ENTRY ADDR	WA000754
12*	000032.00+	+00000000	BU,100,10	Z UNIT A SYN,\$10	-REQUESTED UNIT AREA ADDR	WA000755
13*	000013.51+	+00000000	BU,01 ,10	Z SCN P2 SYN,\$PGO	-INDIN FOR SEC PASS SCAN	WA000756
14*	000013.52+	+00000000	BU,01 ,10	Z IND CH SYN,\$PG1	-IND FOR CHAN ONLY REQUEST	WA000757
15*	000013.53+	+00000000	BU,01 ,10	Z PP CHD SYN,\$PG2	-IND FOR PP UNITS ON CH ONLY DEL	WA000758
16*	000013.54+	+00000000	BU,01 ,10	Z PR ABJ SYN,\$PG3	-IND FOR ABEOJ PRIMED	WA000759
17*	000013.56+	+00000000	BU,01 ,10	Z ASU IN SYN,\$PG5	-IND FOR ASS UNIT ON CH ONLY	WA000760
18*	000013.57+	+00000000	BU,01 ,10	Z CP TST SYN,\$PG6	-IND FOR CP CODE TEST CF UNASSN	WA000761
19*						WA000762
20*				***** BYPASS COMMAND *****		WA000763
21*						WA000764
22*	235373.40	000010.33 10		Z BYPAS SX,JX MSK,\$L		WA000765
23*	235374.00	000054.00 80	422067.05 70	CTIC010(BU,18),JSR+JJ1+JOV,-18		WA000766
24*	235375.00	235404.34 C2		BRZ,Z BAIY		WA000767
25*	235375.40	000064.00 80	422067.05 70	CTIC010(BU,18),JSR+JJ4+JOV,-18		WA000768
26*	235376.40	234637.34 C2		BRZ,JNOPX		WA000769
27*	235377.00	000442.00 80	422067.05 70	CTIC010(BU,18),JCP+JCF+JOV,-18		WA000770
28*	235400.00	235407.74 C2		BRZ,Z BAI		WA000771
29*	235400.40	001500.00 80	422067.05 70	CTIC010(BU,18),ZIPL+JOF+JNV,-18		WA000772
30*	235401.40	235405.74 C2		BRZ,Z BAI X	-TC SET MCDE	WA000773
31*	235402.00	000320.00 80	422067.05 70	CTIC010(BU,18),JNV+JCN+JJ4,-18		WA000774
32*	235403.00 *	235413.34 C2		BRZ,Z BZ1	-BYPASS ERROR	WA000775
33*				***** ADD INSTRUCTIONS FOR PROCESSING THE T AND D FIELDS ***		WA000776
34*	235403.40	234632.10 00		B,Z ER EX2		WA000777
35*	235404.00	215001.12 80	001000.36 F0	ZBA1 Y CM1111,S TRAN B		WA000778
36*	235405.00	235407.50 00		B,Z BAI		WA000779
37*	235405.40	215001.11 80	001000.00 F0	Z BAI X CM0000(BU,1),SYSMOD+.1	-SET BYPASS FROM IPL MCDE	WA000780
38*	235406.40	215001.15 80	002000.36 F0	CM1111(BU,2),SPPBT1	-SEY SWITCHES FOR BYPASS FIRST	WA000781
39*	235407.40	000040.10 00		Z BAI B,D MCP		WA000782
40*	235410.00	000117.40 80		,SKCM		WA000783
41*	235410.40	000002.00 80		,2.C		WA000784
42*	235411.00	000000.00+		Z BA2 VF,0.0	-T FIELD	WA000785
43*	235411.40	000000.00+		Z BA3 VF,0.0	-D FIELD	WA000786
44*	235412.00	000006.31 01		LVI,12,6.0		WA000787
45*	235412.40	234633.10 00		B,ZEXITX		WA000788
46*	235413.00	215001.12 80	234637.34 06	Z BZ 1 BBZ,STRANB,JNOPX		WA000789
47*	235414.00	234632.10 00		B,Z ER EX2		WA000790

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		WA000792
2*				-	***** ONLINE COMMAND *****	WA000793
3*				-		WA000794
4*	235414.40	000010.33	10	Z CNLIN	SX,JX MSK,\$L	WA000795
5*	235415.00	000454.C0	80		422067.05 70 CTIC010(BU,18),JSR+JJ1+JGF+JOV,-18	WA000796
6*	235416.00	235431.34	C2		BRZ,Z CN C01 -OK	WA000797
7*	235416.40 *	000064.00	80		422067.05 70 CTIC010(BU,18),JSR+JJ4+JOV,-18	WA000798
8*	235417.40	234637.34	C2		BRZ,J NOPX	WA000799
9*	235420.00	000304.00	80		422067.05 70 CTIC010(BU,18),JSR+JNV+JON,-18	WA000800
10*	235421.00	235425.34	C2		BRZ,Z CN C1Y	WA000801
11*	235421.40	000442.00	80		422067.05 70 CTIC010(BU,18),JCP+JCF+JCV,-18	WA000802
12*	235422.40	235431.34	C2		BRZ,Z CN C01	WA000803
13*	235423.00	001500.00	80		422067.05 70 CTIC010(BU,18),ZIPL+JNV+JOF,-18	WA000804
14*	235424.00	235426.34	C2		BRZ,Z CN C1X	WA000805
15*	235424.40	234632.10	00		B,Z ER EX2	WA000806
16*	235425.00	215001.12	80	ZCN01Y	CMOC00,S TRAN B -RESET MODE CHANGE BIT	WA000807
17*	235426.CC	215001.10	80	Z CN 01X	CMOC00(BU,2),SYSMOD -SET MODE TO ONLINE OVERLAPPED	WA000808
18*	235427.00	215001.16	80		235431.34 04 BZBZ,SPPBT2,Z ON C01 -ASSIGN TAPES IF NEVER ASSIGNED	WA000809
19*	235430.00	235437.40	80		SIC,Z OFF01	WA000810
20*	235430.40	235433.50	00		B,Z OFF 02	WA000810
21*	235431.00	000040.10	00	Z CN 001	B,D MCP	WA000811
22*	235431.40	000117.40	80		,SKCM	WA000812
23*	235432.00 *	000000.00	80		,0.C	WA000813
24*	235432.40	000007.31	01		LVI,12,7.C	WA000814
25*	235433.00	234633.10	00		B,ZEXITX	WA000815
26*				-		WA000816
27*	235433.40	232762.00	80	Z OFF02	SIC,Z CCM 90	WA000817
28*	235434.CC	232746.10	00		B,Z ASN 01	WA000817
29*	235434.40	000006.00+			VF,VWTP	WA000818
30*	235435.00	232762.00	80		SIC,Z CCM 90	WA000819
31*	235435.40	232746.10	00		B,Z ASN 01	WA000819
32*	235436.00	000004.00+			VF,VRTP	WA000820
33*	235436.40	215001.15	80		002000.00 FO CMOC00(BU,2),SPPBT1	WA000821
34*	235437.40	235437.50	00	Z CFF 01	B,\$ -RETURN	WA000822
35*				-		WA000823
36*				-	***** OFFLINE COMMAND *****	WA000824
37*				-		WA000825
38*	235440.00	000010.33	10	Z OFFLN	SX,JX MSK,\$L	WA000826
39*	235440.40	000064.00	80		422067.05 70 CTIC010(BU,18),JSR+JJ4+JOV,-18	WA000827
40*	235441.40	234637.34	C2		BRZ,JNOPX	WA000828
41*	235442.00	000304.C0	80		422067.05 70 CTIC010(BU,18),JSR+JNV+JON,-18	WA000829
42*	235443.00	235447.34	C2		BRZ,Z OFF 09	WA000830
43*	235443.40	000254.00	80		422067.05 70 CTIC010(BU,18),JSR+JJ1+JON+JOV,-18	WA000831
44*	235444.40	235453.34	C2		BRZ,Z OFF1X	WA000832
45*	235445.00 *	001500.00	80		422067.05 70 CTIC010(BU,18),ZIPL+JOF+JNV,-18	WA000833
46*	235446.00	235453.34	C2		BRZ,Z OFF 1X	WA000834
47*	235446.40	234632.10	00		B,Z ER EX2	WA000835
48*	235447.00	215001.12	80	ZOFF09	CMOC00(BU,1),STRANB	WA000836
49*	235450.00	215001.15	80		235453.34 04 BZBZ,SPPBT1,ZOFF1X	WA000837
50*	235451.00	235437.40	80		SIC,Z OFF 01	WA000838
51*	235451.40	235433.50	00		B,Z OFF 02	WA000838
52*	235452.CC	215001.17	80		001000.36 FO CM1111,SPPBT3	WA000839
53*	235453.00	000040.10	00	Z CFF1X	B,DMCP	WA000840
54*	235453.40	000117.40	80		,SKCM	WA000841

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235454	
1*	235454.00	000000.40	80		,.32		WA000843	
2*	235454.40	235466.10	00		B,ZCFF72	-END RETURN	WA000844	
3*	235455.00	215001.10	80	235457.34	02	BB,SYSMOD,Z OFF 20	-BRANCH IF BYPASS	WA000845
4*	235456.00	231062.01	01		LVI,0,YC1C	-SET RETURN TO JC1 \$RET	WA000846	
5*	235456.40	232716.41	30		SV,C,J RET A	-FCR ONLINE CASE	WA000847	
6*	235457.00	215001.10	80	002000.30	70	Z OFF 20 C1100,SYSMOD	-TEST IF IPL MODE	WA000848
7*	235460.00	235462.34	C2		BRZ,Z OFF 10	-BR. IF IPL - NO DISASSGN OF RDR	WA000849	
8*	235460.40	232762.00	80		SIC,Z CCM 90		WA000850	
9*	235461.00	* 233044.10	00		B,Z DSN 01		WA000850	
10*	235461.40	CC0005.00+			VF,VCRD		WA000851	
11*	235462.00	200000.00	80	402000.20	50	Z CFF 10 LI(BU,2),(2)01	-SET MODE BITS	WA000852
12*	235463.00	215001.10	80	002000.12	FO	CM0101,SYSMOD		WA000853
13*	235464.00	215001.17	80	001000.00	FO	CM0000,SPPBT3		WA000854
14*	235465.00	000010.31	01		LVI,12,8.0		WA000855	
15*	235465.40	234633.10	00		B,ZEXITX		WA000856	
16*	235466.00	215001.17	80	234632.34	04	ZCFF72 BZBZ,SPPBT3,ZEREX2	-BRANCH IF TAPES NOT PREVIOUSLY ASSO	WA000857
17*	235467.00	232762.00	80		SIC,Z CCM 90		WA000858	
18*	235467.40	233044.10	00		B,Z DSN 01		WA000858	
19*	235470.00	CC0004.00+			VF,VRTP		WA000859	
20*	235470.40	232762.00	80		SIC,Z CCM 90		WA000860	
21*	235471.00	233044.10	00		B,Z DSN 01		WA000860	
22*	235471.40	CC0006.00+			VF,VWTP		WA000861	
23*	235472.00	215001.15	80	002000.36	FO	CM1111(BU,2),SPPBT1	-SET ON-OFF BITS AGAIN	WA000862
24*	235473.00	234632.10	00		B,Z ER EX2		WA000863	
25*							WA000864	
26*						*****	WA000865	
27*						TIME CONSTANT SETUP	WA000866	
28*						*****	WA000867	
29*							WA000868	
30*	235473.40	000010.33	10		Z TCC	SX,JXMSK,\$L	WA000869	
31*	235474.00	* 000002.00	80	422067.05	70	CT10010(BU,18),JOP,-18	WA000870	
32*	235475.00	235504.34	C2			BRZ,Z TCC 01	WA000871	
33*	235475.40	000254.00	80	422067.05	70	CT10010(BU,18),JSR+JJ1+JON+JOV,-18	WA000872	
34*	235476.40	235504.34	C2			BRZ,ZTCC01	WA000873	
35*	235477.00	000324.00	80	422067.05	70	CT10010(BU,18),JSR+JJ4+JNV+JON,-18	WA000874	
36*	235500.00	235504.34	C2			BRZ,ZTCC01	WA000875	
37*	235500.40	000264.00	80	422067.05	70	CT10010(BU,18),JSR+JJ4+JOV+JON,-18	WA000876	
38*	235501.40	234637.34	C2			BRZ,JNOPX	WA000877	
39*	235502.00	001500.00	80	422067.05	70	CT10010(BU,18),ZIPL+JNV+JOF,-18	WA000878	
40*	235503.00	235504.34	C2			BRZ,Z TCC 01	WA000879	
41*	235503.40	234632.10	00			B,Z ER EX2	WA000880	
42*	235504.00	000001.34	80	032000.20	50	Z TCC 01 L(BU,26),\$TC -GET TIME	WA000881	
43*	235505.00	235507.51	01			LVI,4,Z TCC 03-2.32	WA000882	
44*	235505.40	235540.00	80	033100.10	D0	STN(B,27,1),Z TCC ST	WA000883	
45*	235506.40	234562.07	01			LVI,3,JFLDB+2.0	WA000884	
46*	235507.00	000023.12	30		Z TCC 02	LV,5,\$3	WA000885	
47*	235507.40	235020.40	80			SIC,Z END	WA000886	
48*	235510.00	* 235004.10	00			B,Z CONV C	-CONVERT BCD ZERO TO DEC ZERO	WA000886
49*	235510.40	000001.07	05			V+I,3,1.0	WA000887	

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235511
1*	235511.00	000002.51	05		V+I,4,2.32		WA000889
2*	235511.40	000000.10	04		B,0.0(\$4)		WA000890
3*	235512.00	702000.00	80	414027.21 90	Z TCC 03 *I(BU,12),3600,46		WA000891
4*	235513.00	235540.00	80	033112.00 90	M+(B,27,1),Z TCC ST,20		WA000892
5*	235514.00	235507.10	00		B,Z TCC 02		WA000893
6*	235514.40	740000.00	80	406027.21 90	*I(BU,6),60,46		WA000894
7*	235515.40	235540.00	80	033112.00 90	M+(B,27,1),Z TCC ST,20		WA000895
8*	235516.40	235507.10	00		B,Z TCC 02		WA000896
9*	235517.00	000011.00	80	022012.20 50	L(BU,18),\$R,20		WA000897
10*	235520.00	235540.00	80	033112.00 10	+(B,27,1),Z TCC ST,20		WA000898
11*	235521.00	233143.00	80	033112.00 DC	ST(B,27,1),S TIME K,20	-SET TIME CONSTANT	WA000899
12*	235522.00	000040.10	00		B,DMCP		WA000900
13*	235522.40	000043.00	80		,D TIME		WA000900
14*	235523.00	235537.00	80		,Z TCC 11		WA000900
15*	235523.40 *	000040.10	00		B,D MCP		WA000901
16*	235524.00	000043.40	80		,D COMM		WA000902
17*	235524.40	235534.00+			VF,Z TCC 10		WA000903
18*	235525.00	000004			CF,4.0		WA000904
19*	235525.40	000006.13	01		LVI,\$5,6.0		WA000905
20*	235526.00	234504.52	90		KV,\$5,JBRKC+1.0		WA000906
21*	235526.40	234637.32	42		BXL,JNOPX -DO NOT HAVE DATE GIVEN		WA000907
22*					- *** PUT IN THE DATE FROM THE 6TH FIELD***		WA000908
23*	235527.00	215015.05	01		LVI,\$2,STODAY		WA000909
24*	235527.40	234565.03	01		LVI,\$1,JFLDB+5.0	- PICK UP DATE FIELD	WA000910
25*	235530.00	000010.05	02		LCI,\$2,8.0		WA000911
26*	235530.40	000000.06	81	106000.20 50	V TCC LP L(BU,6)(V+I),.6(\$1) -CONVERT A6 TO A8		WA000912
27*	235531.40	000000.10	82	110000.20 DC	ST(BU,8)(V+I),.8(\$2)		WA000913
28*	235532.40	235530.44	48		CB,\$2, V TCC LP		WA000914
29*	235533.00	234637.10	00		B,J NOPX		WA000915
30*	235533.40	000000.30	00		CNOP		WA000916
31*	235534.00				Z TCC 10 (IQS*)DD(BU), TIME AFTER CALIBRATION *		WA000917
32*	235537.00 *				Z TCC 11 (IQS*)DD(BU), *		WA000918
33*	235540.00	000000.00+			Z TCC ST VF,0.0		WA000919
34*							WA000920
35*					-----COMMENT VIA CMD ROUTINE-----		WA000921
36*							WA000922
37*	235540.40	000011.33	10		VVCOMJ SX,JXMSK,\$R		WA000923
38*	235541.00	000002.00	80	422027.05 70	CTI0010(BU,18),JOP,46		WA000924
39*	235542.00	235555.74	C2		BRZ,VVOPTP	-OPERATOR COMMENT	WA000925
40*	235542.40	000254.00	80	422027.05 70	CTI0010(BU,18),JSR+JJ1+JCV+JCN,46		WA000926
41*	235543.40	234637.34	C2		BRZ,JNOPX	-IGNORE B CARD IN PHASE 1 SCAN	WA000927
42*	235544.00	000454.00	80	422027.05 70	CTI0010(BU,18),JSR+JJ1+JCV+JCF,46		WA000928
43*	235545.00	234637.34	C2		BRZ,JNOPX	-IGNORE B CARD IN PHASE 1 SCAN	WA000929
44*	235545.40	234574.30	10		LX,\$12,JJX1		WA000930
45*	235546.00	234550.22	00		VZERO Z,JCBUF(\$12) -CLEAR JCBUF		WA000931
46*	235546.40	235546.31	48		CB+,\$12,VZERO		WA000932
47*	235547.00	235550.37	C1		LVI,\$15,\$+1.0	-CONSOLE OUTPUT-CARD SOURCE	WA000933
48*	235547.40	230567.44	00		BD,SA6IQS	-CONVERT FROM A6 TO IQS	WA000934
49*	235550.00	231366.66+			VF,YUCBF1+.54	-BUFFER WITH CHARACTERS TO CONVERT	WA000935
50*	235550.40	000065			CF,53	-COUNT OF CHARACTERS TO CONVERT	WA000936
51*	235551.00	234550.00+			VF,JCBUF		WA000937
52*	235551.40	235552.00	00		BE,\$+.32		WA000938
53*	235552.00	000040.10	00		B,DMCP		WA000939
54*	235552.40 *	000043.40	80		,DCCMM		WA000940
55*	235553.00	234550.00+			VF,JCBUF		WA000941
56*	235553.40	000007			CF,7.0		WA000942

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	235554
1*	235554.00	234550.35	01		LVI,14,JCBUF	-PREPARE TO WRITE ON TAPE	WA000943
2*	235554.40	000065.35	02		LCI,14,53		WA000944
3*	235555.00	235556.50	00		B,VVTPCN		WA000945
4*					----- COMMENT ONTO TAPE -----		WA000946
5*	235555.40	217000.35	01	VVCPTP	LVI,14,PMCPBF+3.0	-IQS FORM	WA000947
6*	235556.00	232721.34	50		LC,14,JSIZE		WA000948
7*	235556.40	235563.35	00	VVTPCN	SVA,14,VVBFAD		WA000949
8*	235557.00	235563.75	50		SC,14,VVBFCT		WA000950
9*	235557.40	234574.30	10		LX,\$12,JJX1		WA000951
10*	235560.00	234560.22	00	VZERO1	Z,JFLDB(\$12)		WA000952
11*	235560.40	235560.31	48		CB+,\$12,VZERO1		WA000953
12*	235561.00	235570.00	80		TI,1,VDUB,JFLDB		WA000954
13*	235562.00	235563.37	01		LVI,15,\$+1.0		WA000955
14*	235562.40	230504.44	00		BD,SIQSA8	-CONVERT FROM IQS TO A8	WA000956
15*	235563.00	000000.00+		VVBFAD	VF,C		WA000957
16*	235563.40	000000		VVBFCT	CF,C.0		WA000958
17*	235564.00	234560.10+			VF,JFLDB+.8		WA000959
18*	235564.40	224052.00	80		SIC,ZSPLP9		WA000960
19*	235565.00	224046.44	00		BD,ZSPLPR	-WRITE ON TAPE	WA000961
20*	235565.40	234560.00	80		,JFLDB	-CONSOLE OR PP SOURCE	WA000962
21*	235566.00	000007.00	80		,7.0		WA000963
22*	235566.40	000012.31	01		LVI,12,10.0		WA000964
23*	235567.00	234633.00	00		BE,ZEXITX	-ACKNOWLEDGE ACCEPTANCE AND RETURN	WA000965
24*	235567.40	000000.30	00		CNOP		WA000966
25*	235570.00			041 VDUB	DD(BU,8),(2)00100001	-DOUBLE SPACE PRINTER CODE	WA000967

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LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				PUNFUL	ZA000001
2*	235570.10			(CC*)DD(BU,,12),B	ZA000002
3*	235600.44			(CC*)DD(BU,,12),	ZA000003
4*				PUNCRG	ZA000004
5*				PUNID,22\$EOJ	ZA000005
6*				RESEQ	ZA000006
7*	020000.00			SLC,YPPMEM	ZA000007
8*					ZA000008
9*				----- JOB CONTROL 4 -----	ZA000009
10*					ZA000010
11*	020000.00	000116.75 04		KVI,\$14,SJC4	ZA000011
12*	020000.40	C20021.72 C2		BXE,YC4B2	ZA000012
13*	020001.00	220644.00 80	215047.00 A0	TI,16,FWIT,SIT+20. -RESTORE THE MASKABLE INTRPT SLOTS IN THE	ZA000013
14*	020002.00	220664.00 80	215067.30 A0	TI,12,FWIT+16.,SIT+36. -INT TBLE BEFORE NEXT JOB STARTS	ZA000014
15*	020003.00	215007.34 30		LV,\$14,SDKMCP	ZA000015
16*	020003.40	215007.75 30		SV,\$14,SSYRFT	ZA000016
17*	020004.00	215001.03 80	021017.74 02	BB,SCORG,YC4INT	ZA000017
18*	020005.00	231501.01 80	001000.00 FO	CMOC00,YEOJS	ZA000018
19*	020006.00	230364.74 80	001000.00 FO	CM0000(BU,1),REJJOB+.60	ZA000019
20*	020007.00	000040.10 00		B,DMCP	ZA000020
21*	020007.40	000117.40 80		,SKCM	ZA000021
22*	020010.00	000001.40 80		,1.32 -EJSCAN	ZA000022
23*	020010.40	020011.77 01		LVI,\$15,\$+1.0	ZA000023
24*	020011.00	023006.10 00		B,TJUNAS	ZA000024
25*	020011.40	215001.22 80	001000.00 FO	CMOC00,SJBUSY	ZA000025
26*	020012.40	000040.10 00		B,D MCP -LOGGER 2 ENTRY	ZA000026
27*	020013.00	000121.00 80		,S LOG 2	ZA000027
28*	020013.40	000062.37 02		LCI,\$15,50.	ZA000028
29*	020014.00	215466.77 50		SC,\$15,YMISCO	ZA000029
30*	020014.40	232630.22 00		Z,PCNOUT	ZA000030
31*	020015.00	232631.22 00		Z,PCNOUT+1.0	ZA000031
32*	020015.40	232632.22 00		Z,PCNOUT+2.0	ZA000032
33*	020016.00	234663.40 80	001000.00 FO	CMOC00(BU,1),PHOLDB	ZA000033
34*	020017.00	220453.22 00		Z,KSILC+2.0	ZA000034
35*	020017.40	231501.00 80	020021.74 06	BBZ,YSSPBT,YC4B2	ZA000035
36*	020020.40	000040.10 00		B,DMCP	ZA000036
37*	020021.00	000115.40 80		,SSPEOJ	ZA000037
38*					ZA000038
39*				*****	ZA000039
40*				ON THIS PAGE WE READ THE JOB CARD, PUT IT ON THE SPOOL LISTING,	ZA000040
41*				LOG BEGINNING OF JOB, AND TELL THE OPERATOR THAT THE NEW JOB IS	ZA000041
42*				ABOUT TO START	ZA000042
43*				*****	ZA000043
44*	020021.40	231545.51 80	020025.34 02	YC4B2 BB,LFINB,\$+3.32	ZA000044
45*	020022.40	215571.00 80		.SIC,SPRIMR	ZA000045
46*	020023.00	215570.04 00		BD,SPRIME	ZA000046
47*	020023.40	000116.40 80		,SJC4	ZA000047
48*	020024.00	000040.00 00		ZYC4B2 BE,\$MCP	ZA000048
49*	020024.40	000041.00 80		, \$RET	ZA000049
50*	020025.00	215001.22 80	020024.34 02	BB,SJBUSY,ZYC4B2	ZA000050
51*	020026.00	230364.74 80	020031.34 04	BZBZ,REJJOB.60,RNOREJ	ZA000051
52*	020027.00	215011.60 50		LC,\$8,SREJJB	ZA000052
53*	020027.40	020403.30 42		BXCZ,WSYSC2	ZA000052
54*	020030.00	000001.21 08		C-I,\$8,1.0	ZA000053
55*	020030.40	215011.61 50		SC,\$8,SREJJB	ZA000053
56*	020031.00	000040.10 00		RNOREJ B,\$MCP	ZA000054

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	020031		
1*	020031.40	000117.00	80		,SSCR4		ZA000055		
2*	020032.00	231462.00	80		,YBCBU		ZA000056		
3*	020032.40	020412.10	00		B,WSYSCA+.32		ZA000057		
4*	020033.00	020034.35	01		LVI,\$14,YUCO1	-TC UNCODE	ZA000058		
5*	020033.40	231215.10	00		B,YUNCOO		ZA000059		
6*	020034.00	000000.00+	000	000000	000000	YUCO1	XW,C	ZA000060	
7*	020035.00	000001.00+			VF,1.0		ZA000061		
8*	020035.40	231462.00	80		,YBCBU		ZA000062		
9*	020036.00	231443.00	80		,YJCDB1		ZA000063		
10*	020036.40	020403.10	00		B,WSYSC2		ZA000064		
11*	020037.00	215001.10	80	020041.34	02		BB,SYSCD,\$+2.0	-BRANCH IF UNOVERLAP	ZA000065
12*	020040.00	020376.00	80		SIC,W REJ RT		ZA000066		
13*	020040.40	020372.50	00		B,WREJJB	-BR IF OVER TO REJECT JOBS	ZA000066		
14*	020041.00	215001.22	80	001000.36	F0		CM1111,SJBUSY	ZA000067	
15*	020042.00	* 020707.33	01		LVI,\$13,YJCDBU	-NORMAL RETURN	ZA000068		
16*	020042.40	020750.35	80		LVE,\$14,YYJCL	-CCONVERT 6-BITTH BCD	ZA000069		
17*	020043.00	000010.33	02		LCI,\$13,8	-JOB CARD TO 8-BIT BCD	ZA000070		
18*	020043.40	000000.60	8E	160600.06	70	YJCLP	LF(BU,48,6)(V+I),.48(\$14)	-INTO LOCATION YC4SMB	ZA000071
19*	020044.40	000000.00	8D	000000.12	F0		SF(BU,64,8),0.0(\$13)	ZA000072	
20*	020045.40	020043.73	48		CB+,\$13,YJCLP		ZA000073		
21*	020046.00	231462.30	00		NOP,YBCBU	-HOLLERITH FWA	ZA000074		
22*	020046.40	020707.30	00		NOP,YJCDBU	-A 8 FWA	ZA000075		
23*	020047.00	020050.37	01		LVI,\$15,\$+1.0	-CONVERT JOB CARD	ZA000076		
24*	020047.40	230567.44	00		BD,SA6IQS	-TC 8-BIT IQS FOR \$COMM	ZA000077		
25*	020050.00	231444.00+			VF,YJCDB1+1.0		ZA000078		
26*	020050.40	000010			CF,8		ZA000079		
27*	020051.00	020673.00+			VF,YC4CM1	-LOCATION OF IQS JOB CSRD	ZA000080		
28*	020051.40	224052.00	80		SIC,ZSPLP9		ZA000081		
29*	020052.00	224046.50	00		B,ZSPLPR		ZA000082		
30*	020052.40	020706.00	80		,WSPLL		ZA000083		
31*	020053.00	000011.00	80		,9.0		ZA000084		
32*	020053.40	020054.00	00		BE,\$+.32		ZA000085		
33*	020054.00	000040.10	00		B,DMCP		ZA000086		
34*	020054.40	000103.00	80		,67.0		ZA000086		
35*	020055.00	231462.00	80		,YBCBU		ZA000086		
36*	020055.40	* 000001.00	80		,1.0	-TC \$SPU WITH JOB CARD.	ZA000086		
37*	020056.00	000040.10	00		B,D MCP		ZA000087		
38*	020056.40	000043.00	80		,D TIME		ZA000088		
39*	020057.00	020675.00+			VF,YC4CM2		ZA000089		
40*	020057.40	000040.10	00		B,DMCP		ZA000090		
41*	020060.00	000043.40	80		,DCCMM		ZA000091		
42*	020060.40	020672.00	80		,YC4CM		ZA000092		
43*	020061.00	000004			CF,4.0		ZA000093		
44*	020061.40	020062.77	01		LVI,\$15,\$+1.	-CONVERT TIME FROM IQS TO A8	ZA000094		
45*	020062.00	230504.50	00		B,SIQSA8		ZA000095		
46*	020062.40	020675.00+			VF,YC4CM2		ZA000096		
47*	020063.00	000010			CF,8		ZA000097		
48*	020063.40	020720.00+			VF,YC4TIM		ZA000098		
49*	020064.00	215014.00	80	030000.20	50		L(BU,24,8),SDATE	ZA000099	
50*	020065.00	020720.20	80	010000.12	F0		CM0101(BU,8,8),YC4TIM.16	ZA000100	
51*	020066.00	020720.50	80	010000.12	F0		CM0101(BU,8,8),YC4TIM.40	ZA000101	
52*	020067.00	215014.00	80	020725.02	A0		TI,1,SDATE,YC4DTI	-SET IPL TAPE DATE INTO SPOOL MESSAGE	ZA000102
53*	020070.00	215015.00	80	020722.02	A0		TI,1,STCDAY,YC4DTE	-SET TODAY'S DATE FOR SPOOL	ZA000103
54*	020071.00	* 224052.00	80		SIC,ZSPLP9	- TO SPOOL WITH THE TIME AND DATE OF JOB	ZA000104		
55*	020071.40	224046.50	00		B,ZSPLPR		ZA000105		
56*	020072.00	020717.00	80		,YC4DTS		ZA000106		

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	020072
1*	020072.40	000007.00 80		,7.0		ZA000107
2*	020073.00	020073.40 00		BE,\$+.32		ZA000108
3*	020073.40	000040.10 00		B,DMCP		ZA000109
4*	020074.00	000120.40 80		,SLCG4- LOGGER 4 ENTRY		ZA000109
5*	020074.40	215001.10 80	020256.74 00	BZB,SYSMOD,WJ4PA		ZA000110

LINE	LOCATICN	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				- *****	ZA000112
2*				HAVING PROCESSED THE JOB CARD, WE NOW SEQUENCE CHECK THE	ZA000113
3*				REMZINING B CARDS, EXTRACTING FROM THEM THE NECESSARY INFORMATI	ZA000114
4*				ON, AND SAVE THE IOCS STARTING AT LOCATION 41.	ZA000115
5*				- *****	ZA000116
6*	020075.40	000040.10 00	YTCSR	B,DMCP -GET 1 CARD	ZA000117
7*	020076.00	000104.40 80		,DSCR	ZA000118
8*	020076.40	231462.00 80		,YBCBU -- B CARD BUFFER	ZA000119
9*	020077.00	000001.00 80		,1.0	ZA000120
10*	020077.40	000000.00 80		,0	ZA000121
11*	020100.00	020226.10 00		B,YC4B	ZA000122
12*	020100.40	020102.35 01		LVI,\$14,YTCINF -TC UNCODE	ZA000123
13*	020101.00	231215.10 00		B,YUNCCD	ZA000124
14*	020102.00	000000.00+ 000 000000 000000	YTCINF	XW,C	ZA000125
15*	020103.00	000000.00+		VF,C.0	ZA000126
16*	020103.40	231462.00 80		,YBCBU	ZA000127
17*	020104.00	000000.00 80		,0	ZA000128
18*	020104.40 *	020451.10 00		B,YTCERR -ERROR RETURN	ZA000129
19*	020105.00	020102.51 80 005000.20 50		L(BU,5),YTCINF+.41 -PUT INFORMATION INTO	ZA000130
20*	020106.00	220452.22 80 005000.20 D0		ST(BU,5),KSILO+1.18 -COMMUNICATION REGION	ZA000131
21*	020107.00	215001.03 80 001001.24 F0		CM1010(BU,1),SCORG,2	ZA000132
22*	020110.00	215001.03 80 020766.34 02		BB,SCORG,YCOJBI	ZA000133
23*	020111.00	000035.22 00		Z,\$13	ZA000134
24*	020111.40	000037.00 80	YC4B5	SIC,\$15 -READ 1 CARD FROM SOURCE	ZA000135
25*	020112.00	020233.10 00		B,YRDFSO	ZA000136
26*	020112.40	231462.00+		VF,YBCBU	ZA000137
27*	020113.00	020226.10 00		B,YC4B	ZA000138
28*	020113.40	020115.35 01		LVI,\$14,YLCINF -TC UNCODE	ZA000139
29*	020114.00	231215.10 00		B,YUNCCD	ZA000140
30*	020115.00	000000.00+ 000 000000 000000	YLCINF	XW,C	ZA000141
31*	020116.00	000002.00+		VF,2.0	ZA000142
32*	020116.40	231462.00 80		,YBCBU	ZA000143
33*	020117.00	000000.00 80		,0	ZA000144
34*	020117.40	020452.50 00		B,YLCERR -ERROR RETURN	ZA000145
35*	020120.00 *	020115.34 10		LX,\$14,YLCINF -NORMAL RETURN	ZA000146
36*	020120.40	231430.35 30	YL1	SV,\$14,YEDLL	ZA000147
37*	020121.00	215324.75 30		SV,\$14,SLRBU+.32	ZA000148
38*				-LIMIT FOR LOADER).	ZA000149
39*	020121.40	215324.35 50		SC,\$14,SLRBU	ZA000150
40*	020122.00	215012.75 50		SC,\$14,SMARK	ZA000151
41*	020122.40	030000.35 0A		KCI,14,YMAX	ZA000152
42*	020123.00	020124.33 42		BXH,\$+1.0	ZA000153
43*	020123.40	030000.35 02		LCI,14,YMAX	ZA000154
44*	020124.00	215005.35 50		SC,\$14,SBAPP	ZA000155
45*	020124.40	215324.71 80 001000.36 F0		CM1111(BU,1),SLRBU+.57 -INITIALIZE B.C. BIT	ZA000156
46*	020125.40	000017.35 01		LVI,\$14,15.0	ZA000157
47*	020126.00	231431.35 30		SV,\$14,YEDLL+1.0	ZA000158
48*	020126.40	215001.03 80 020130.74 02		BB,SCORG,\$+2.0	ZA000159
49*	020127.40	215001.10 80 020315.34 00		BZB,SYSMOD,WJCV-1.0	ZA000160
50*	020130.40	000001.31 02		LCI,\$12,1.0 -INITIALIZE SYSTEM CARD	ZA000161
51*	020131.00	231444.26 10		LX,\$11,YJCDB1+1.0	ZA000162
52*	020131.40	215020.31 80		LVE,\$12,SJCTWS	ZA000163
53*	020132.00	000037.00 80	YICDSO	SIC,\$15 -READ 1 CARD FROM SOURCE.	ZA000164
54*	020132.40	020233.10 00		B,YRDFSO	ZA000165
55*	020133.00	231462.00+		VF,YBCBU	ZA000166
56*	020133.40 *	020226.10 00		B,YC4B	ZA000167

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	020134
1*	020134.00	231463.54	80 060000.20 50		L(BU,48),YBCBU+1.44 -TYPE CARD CHECK		ZA000168
2*	020135.00	110010.02	80 430014.23 10		KFI(BU,24),(8)11001002,24		ZA000169
3*	020136.00	020140.36	C0		BZAE,YIO		ZA000170
4*	020136.40	200440.20	80 430000.23 10		KFI(BU,24),(8)20044020		ZA000171
5*	020137.40	020132.36	C2		BAE,YIODSO		ZA000172
6*	020140.00	777777.27	1C	YIC	SX,\$11,-1.0(\$12)		ZA000173
7*	020140.40	020142.35	01		LVI,\$ 14,YIOCIN -TO UNCODE		ZA000174
8*	020141.00	231215.10	00		B,YUNCOD		ZA000175
9*	020142.00	000000.00+	000 000000 000000	YIGCIN	XW,0		ZA000176
10*	020143.00	000004.00+			VF,4.0		ZA000177
11*	020143.40	231462.00	80		,YBCBU		ZA000178
12*	020144.00	000001.00	8C		,1.C(\$12)		ZA000179
13*	020144.40	020454.10	00		B,YIDCER -ERROR RETURN		ZA000180
14*	020145.00	000001.31	00		C+I,\$12,1.0 -NORMAL RETURN - STEP COUNT		ZA000181
15*	020145.40	020142.34	10		.LX,\$14,YIOCIN -GET INFORMATION FROM UNCODE		ZA000182
16*	020146.00	000000.35	1C		SX,\$14,C.0(\$12) -PUT IN ALPHA SLOT FOR DECODE.		ZA000183
17*	020146.40 *	000001.00	8C 060000.06 70		LF(BU,48),1.0(\$12) -IS THIS A REEL CARD		ZA000184
18*	020147.40	231417.00	80 060600.23 10		KF,YRELMK		ZA000185
19*	020150.40	020152.76	C2		BAE,YVI -YES A REEL CARD IS PRESENT		ZA000186
20*	020151.00	000000.64	8C 014000.06 70		LF(BU,12),.52(\$12) -IS THE REF NUMBER ZERO		ZA000187
21*	020152.00	020522.34	C2		BRZ,YMOVJ1 -YES - REJECT THE JOB		ZA000188
22*	020152.40	000017.31	05	Y VI	V+I,\$12,15.0 -STEP THE CARD LOCATOR		ZA000189
23*	020153.00	020132.10	00		B,YIODSO -GO BACK AND READ ANOTHER CARD		ZA000190
24*							ZA000191
25*					- *****		ZA000192
26*					- IN THIS SECTION WE ASSIGN I-O FOR THE P.P. USING THE SAVED IODS.		ZA000193
27*					- *****		ZA000194
28*	020153.40	215020.31	80	YC4C9	LVE,\$12,SJCTWS -RESET CARD LOCATOR		ZA000195
29*	020154.00	000033.31	10		SX,\$12,\$11 -SAVE FOR MOVE PURPOSES		ZA000196
30*	020154.40	020160.31	30	YC4D1	SV,\$12,YDECVF -SET FWA FOR DECODE ENTRY.		ZA000197
31*	020155.00	000001.31	0A		KCI,\$12,1.0 -IF THIS IS LAST CARD +1,		ZA000198
32*	020155.40	020157.32	C0		BZXE,\$+ 1.32 -ZERO OUT ALPHA +1 SLOT FOR		ZA000199
33*	020156.00	000001.00	8C 000000.00 FC		CM0000(BU,64),1.0(\$12) -DECODE		ZA000200
34*	020157.00	020160.37	01		LVI,\$15,\$+1.0 -TO DECODE		ZA000201
35*	020157.40	231703.10	00		B,LDECCG		ZA000202
36*	020160.00	000000.00+		YDECVF	VF,C -ADDRESS OF ALPHA SLOT		ZA000203
37*	020160.40	000007			CF,7		ZA000204
38*	020161.00	000000.00+			VF,C -DISPOSITION SLOT - RETURN		ZA000205
39*	020161.40	020471.50	00		B,YICER2 -ERROR RETURN		ZA000206
40*	020162.00	000017.31	05		V+I,\$12,15.0 -NORMAL RETURN		ZA000207
41*	020162.40 *	020154.70	48		CB,\$12,YC4D1 -STEP UP AND COUNT DOWN		ZA000208
42*	020163.00	215001.02	80 020164.74 04		BZBZ,SCNFCC,\$+1.32		ZA000209
43*	020164.00	020166.31	30		SV,\$12,YCONCG		ZA000210
44*							ZA000211
45*	020164.40	020166.37	01		LVI,\$15,YCONCG -DELIVER TO I-O ASSIGN		ZA000212
46*	020165.00	021164.10	00		B,TASIGN -TO I-O ASSIGN		ZA000213
47*	020166.00	000000.00+	111 000000 000000	YCCNCG	XW,C,0,C,7		ZA000214
48*							ZA000215
49*	020167.00	020166.34	10		LX,\$14,YCONCG -UNOVER LAPPED MODE		ZA000216
50*	020167.40	020500.30	44		BZXCZZ,YASREJ -IF THE COUNT FUELD OF YCONCG		ZA000217
51*	020170.00	215020.25	80		LVE,\$10,SJCTWS -IS NON-ZERO ON RETURN, JOB		ZA000218
52*	020170.40	000032.30	80 001000.36 FC		CM1111(BU,1),\$10+.24 -SET UP FOR INITIAL ENTRY		ZA000219
53*	020171.40	020174.25	30		SV,\$10, YMOVXW --ENTRY BIT IN MOVE INDEX WORD		ZA000220
54*	020172.00	000001.27	08		C-I,\$11,1.0 -REDUCE SYSTEM CARD COUNTER BY 2,		ZA000221
55*	020172.40	020174.37	01	YMOVE	LVI,\$15,YMOVXW -TO MOVE		ZA000222
56*	020173.00	022326.10	00		B,TMOVE		ZA000223

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	020174
1*	020174.00	000000.00+	100 000000 000000	YMCVXW	XW,C,0,0,4		ZA000224
2*	020175.00	020174.24	10		LX,\$10,YMCVXW		ZA000225
3*	020175.40	020501.30	40		BZXCZ,YMCVEJ		ZA000226
4*	020176.00 *	000017.27	05	YMCJRP	V+I,\$11,15.		ZA000227
5*	020176.40	020174.27	30		SV,\$11,YMCVXW		ZA000228
6*	020177.00	020172.66	48		CB,\$11,YMCVE		ZA000229
7*	020177.40	215001.03	80 021017.74 02	WJC4G1	BB,SCORG,YC4INT		ZA000230
8*	020200.40	215324.74	30	WJC4G	LV,\$14,SLRBU+.32		ZA000231
9*	020201.00	215324.34	50		LC,\$14,SLRBU		ZA000232
10*	020201.40	231426.35	30		SV,\$14,YLCL1	-LOWER LIMIT), AND YLOL1(LOWER	ZA000233
11*	020202.00	231426.75	50		SC,\$14,YLCL2		ZA000234
12*	020202.40	231426.31	80 001000.36 FO	WJC4G2	CM1111(BU,1),YLOL1+.25		ZA000235
13*	020203.40	215467.33	10		SX,\$13,SREADS		ZA000236
14*	020204.00	215325.22	00		Z,SLRBU+1.0	-SET LOWER REGISTERS	ZA000237
15*	020204.40	000033.03	02		LCI,\$1,27.	-TO ZERO	ZA000238
16*	020205.00	215325.00	80 215326.02 20		T,\$1,SLRBU+1.0,SLRBU+2.0		ZA000239
17*	020206.00	215335.25	80 001000.36 FO		CM1111(BU,1),SLRBU+9.21	-SET IF MASK TO ONE	ZA000240
18*	020207.00	215335.00	80 001000.36 FO		CM1111(BU,1),SLRBU+9.0		ZA000241
19*	020210.00	215001.06	80 001000.36 FO		CM1111(BU,1),SPINCL		ZA000242
20*	020211.00 *	215001.13	80 002000.00 FO		CM0000(BU,2),SSPFIX		ZA000243
21*	020212.00	215012.74	30		LV,\$14,SMARK	-SET UP \$EDUMP	ZA000244
22*	020212.40	231430.75	30		SV,\$14,YEDLL+.32		ZA000245
23*	020213.00	215571.00	80		SIC,SPRIMR		ZA000246
24*	020213.40	215570.04	00		BD,SPRIME		ZA000247
25*	020214.00	000102.00	80		,DRESLD		ZA000248
26*	020214.40	215001.20	80 020217.34 00		BZB,SJ1FUL,\$+2.32		ZA000249
27*	020215.40	215571.00	80		SIC,SPRIMR		ZA000250
28*	020216.00	215570.04	00		BD,SPRIME		ZA000251
29*	020216.40	000114.40	80		,SJCI		ZA000252
30*	020217.00	000040.00	00		BE,DMCP		ZA000253
31*	020217.40	000041.00	80		,SDRET		ZA000254
32*							ZA000255
33*							ZA000256
34*					GENERAL ERROR ROUTINE - PRINTS DIAGNOSIS OF ERROR AND RETURNS TO BEGINNING , SKIPPING DEJSCN IF EQJ CARD WAS ENCOUNTERED.		ZA000257
35*							ZA000258
36*							ZA000259
37*	020220.00	000000.00	8A 020726.20 A0	YBRLOG	TI,8,0(\$10),YC4SMB		ZA000260
38*	020221.00	020726.03	01		LVI,1,YC4SMB		ZA000261
39*	020221.40	231204.40	80		SIC,YPRRET		ZA000262
40*	020222.00	231172.10	00		B,YPR		ZA000262
41*	020222.40	020226.10	00		B,YRESTR		ZA000263
42*	020223.00+	+00000000	NULL	YECJP	SYN,\$		ZA000264
43*							ZA000265
44*	020223.00	020225.30	80 001000.36 FO	WJC4G	CM1111(BU,1),WMOVIQ+.24	-INITIAL ENTRY BIT	ZA000266
45*	020224.00	020225.37	01		LVI,\$15, WMOVIQ		ZA000267
46*	020224.40	022326.10	00		B,TMOVE	-TO MOVE	ZA000268
47*	020225.00 *	231445.00+	000 000000 000001	WMOVIQ	XW,WBREAK+1.0,0,1,0	- TO REJECT NEXT JOB	ZA000269
48*	020226.00	231501.01	80 001000.36 FO	WRESTR	CM1111,YEOJS		ZA000270
49*	020227.00	215001.06	80 001000.00 FO		CM0000(BU,1),SPINCL		ZA000271
50*	020230.00	215571.00	80		SIC,SPRIMR		ZA000272
51*	020230.40	215570.04	00		BD,SPRIME		ZA000273
52*	020231.00	000101.00	80		,DEOJ		ZA000274
53*	020231.40	020232.00	00		BE,\$+.32		ZA000275
54*	020232.00	000040.10	00		B,DMCP		ZA000276
55*	020232.40	000041.00	80		,SDRET		ZA000277

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-	*****	ZA000279
2*				-	SWITCHING SUBROUTINE TO READ ONE CARD FROM SOURCE.	ZA000280
3*				-	*****	ZA000281
4*	020233.00	000035.32	10	YRCFSO	LX,\$13,\$13	ZA000282
5*	020233.40	020240.63	42		BXF,YICDTM	ZA000283
6*	020234.00	000000.34	3F		LV,\$14,0.0(\$15)	ZA000284
7*	020234.40	020236.35	30		SV,\$14,YSPRDS	ZA000285
8*	020235.00	000040.10	00		B,DMCP	ZA000286
9*	020235.40	000104.40	80		,DSCR	ZA000287
10*	020236.00	000000.00	80	YSPRDS	,0	ZA000288
11*	020236.40	000001.00	80		,1.C	ZA000289
12*	020237.00	000000.00	80		,0	ZA000290
13*	020237.40	000000.50	0F		B,.32(\$15)	ZA000291
14*	020240.00	000001.10	0F		B,1.0(\$15)	ZA000292
15*	020240.40 *	215001.03	80	020245.74 00 YICDTM	BZB,SCORG,YPPID4	ZA000293
16*	020241.40	000000.00	8D	231462.36 A0	TI,15,(\$13),YBCBU	ZA000294
17*	020242.40	000017.33	08		C-1,\$13,15.0	ZA000295
18*	020243.00	000017.33	05		V+I,\$13,15.0	ZA000296
19*	020243.40	020245.30	40		BZXCZ,\$+1.32	ZA000297
20*	020244.00	231462.00	80	000000.00 F0	CM000,YBCBU	ZA000298
21*	020245.00	000001.10	0F		B,1.0(\$15)	ZA000299
22*	020245.40	231427.00	80	020252.02 A0 YPPID4	TI,1,YDFCS,YI4TA	ZA000300
23*	020246.40	000017.33	06		V+IC,\$13,15.	ZA000301
24*	020247.00	020250.70	40		BZXCZ,\$+1.32	ZA000302
25*	020247.40	000002.33	05		V+I,13,2.0	ZA000303
26*	020250.00	000042.33	02		LCI,13,34.	ZA000304
27*	020250.40	020253.33	30		SV,13,YI4TA+1.	ZA000305
28*					CNCP	ZA000305
29*	020251.00	000040.10	00		B,DMCP	ZA000306
30*	020251.40	000102.40	80		,DFETCH	ZA000307
31*	020252.00 *	000001.00		YI4TA	DR(BU),(1)	ZA000308
32*	020253.00	000000.00	80		,0	ZA000309
33*	020253.40	231462.00	80		,YBCBU	ZA000310
34*	020254.00	000017.00	80		,15.	ZA000311
35*	020254.40	000000.00	80		,0	ZA000312
36*	020255.00	020226.10	00		B,WRESTR	ZA000313
37*	020255.40	000000.30	00		NOP	ZA000314
38*	020256.00	000001.10	0F		B,1.0(\$15)	ZA000315

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*				-	*****	ZA000317
2*				-	READ TYPE CARD, STORE T.O.P. IN COMMUNICATION REGION	ZA000318
2*				-	*****	ZA000319
4*	020256.4C	000040.10	00	WJ4PA	B,DMCP	ZA000320
5*	020257.0C	000104.40	80		,DSCR	ZA000321
6*	020257.40	231462.00	80		,YBCBU	ZA000322
7*	020260.00	000001.00	80		,1.0	ZA000323
8*	020260.40	000000.00	80		,0	ZA000324
9*	020261.00	000000.30	00		NOP	ZA000325
10*	020261.40	231462.00	80		L(BU,12),YBCBU	ZA000326
11*	020262.4C	110000.00	80		KFI(BU,12),(8)11CC	ZA000327
12*	020263.4C	020256.76	C2		BAE,WJ4PA	ZA000328
13*	020264.00	020265.35	01	WJ4PB	LVI,\$14,WUNC2	ZA000329
14*	020264.40	231215.10	00		B,YUNCOD	ZA000330
15*	020265.00	000000.00+	000	WUNC2	XW,C,0,C	ZA000331
16*	020266.00	000000.00+			VF,C	ZA000332
17*	020266.40 *	231462.00	80		,YBCBU	ZA000333
18*	020267.00	000000.00	80		,0	ZA000334
19*	020267.40	020426.10	00		B,WJC4QT	ZA000335
20*	020270.00	020265.51	80		L(BU,5),WUNC2+.41	ZA000336
21*	020271.00	220452.22	80		ST(BU,5),KSILO+1.18	ZA000337
22*	020272.00	215001.03	80		CM1010(BU,1),SCORG,2	ZA000338
23*	020273.00	020265.53	80	WJ4PC	BZB,WUNC2+.43,YCCJB	ZA000339
24*				-	*****	ZA000340
25*				-	TO I O ASSIGN SUBROUTINE WITH I O REQUESTS, FOR GO JOB	ZA000341
26*				-	*****	ZA000342
27*	020274.00	020450.32	10	WJ4PF	LX,\$13,WRDXW1	ZA000343
28*	020274.40	215001.02	80	WJ4PFF	BZBZ,SCNFCG,\$+2.0	ZA000344
29*	020275.40	020300.00	80		CM1111(BU,1),WJCH	ZA000345
30*	020276.40	020300.37	01	WJ4PD	LVI,\$15,WJCH	ZA000346
31*	020277.00	021164.10	00		B,TASIGN	ZA000347
32*	020300.00	000000.00+	000	WJCW	XW,0,0,0	ZA000348

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				- *****	ZA000350
2*				--READ LIM. CARD, SET P.P. LIMITS	ZA000351
3*				- *****	ZA000352
4*	020301.00	020300.34 10	WJ4PE	LX,14,WJCV	ZA000353
5*	020301.40 *	020432.30 44		BZXCZZ,WJC4Q1 - WAS JOB REJECTED	ZA000354
6*	020302.00	220461.34 10		LX,\$14,KSIL0+8.	ZA000355
7*	020302.40	020317.40 80		BBZ,YTSP,YL1 -IF A SPECIAL BSS CASE	ZA000356
8*	020303.40	000037.00 80	WJ4PG	SIC,\$15	ZA000357
9*	020304.00	020233.10 00		B,YRDFSO -READ ONE CARD	ZA000358
10*	020304.40	231462.00 80		,YBCBU	ZA000359
11*	020305.00	000000.30 00		NOP	ZA000360
12*	020305.40	231462.00 80		L(BU,12),YBCBU	ZA000361
13*	020306.40	110000.00 80		KFI(BU,12),(8)1100	ZA000362
14*	020307.40	020303.76 C2		BAE,WJ4PG	ZA000363
15*	020310.00	020311.35 01	WJ4PH	LVI,\$14,WUNC3	ZA000364
16*	020310.40	231215.10 00		B,YUNCCD - TO UNCODE SUBROUTINE	ZA000365
17*	020311.00	000000.00+ 000	WUNC3	XW,C,C,C	ZA000366
18*	020312.00	000002.00+		VF,2.0 -LIMIT CARD	ZA000367
19*	020312.40	231462.00 80		,YBCBU	ZA000368
20*	020313.00	231446.00 80		,WJDR2+3.0	ZA000369
21*	020313.40	020430.10 00		B,WJC4QL -SPOOL MESSAGE, THEN REJECT	ZA000370
22*	020314.00	020311.34 10	WJ4PI	LX,\$14,WUNC3	ZA000371
23*	020314.40	020120.50 00		B,YL1	ZA000372
24*				- *****	ZA000373
25*				--READ IOD AND REEL CARDS. GO TO MOVE WITH EACH	ZA000374
26*				- *****	ZA000375
27*	020315.00 *	020331.30 80		001000.36 F0 CM1111(BU,1),WMOVIO+.24 -SET INITIAL ENTRY BIT FOR TMOVE	ZA000376
28*	020316.00	000037.00 80	WJCV	SIC,\$15	ZA000377
29*	020316.40	020233.10 00		B,YRDFSO -READ ONE CARD	ZA000378
30*	020317.00	231462.00+		VF,YBCBU	ZA000379
31*	020317.40	000000.30 00	YTSP	NOP	ZA000380
32*	020320.00	231462.00 80	WJCVA	L(BU,12),YBCBU -SPECIAL BSS IND. IS THE FIRST BIT	ZA000381
33*	020321.00	420000.00 80		414000.21 10 -FIRST COLUMN OF HOLERITH CARD	ZA000382
34*	020322.00	020364.36 C0		KI(BU,12),(8)4200 -IS IT A B CARD	ZA000383
35*	020322.40	020324.35 01	WJCVB	BZAE,WTEST - NO	ZA000384
36*	020323.00	231215.10 00		LVI,\$14,WUNC4	ZA000385
37*	020324.00	000000.00+ 000	WUNC4	B,YUNCCD -TO UNCCDE	ZA000386
38*	020325.00	000004.00+		XW,C,C,C	ZA000387
39*	020325.40	231462.00 80		VF,4.0 -IOD OR REEL CARD	ZA000388
40*	020326.00	231446.00 80		,YBCBU	ZA000389
41*	020326.40	020316.10 00		,WJDR2+3.0	ZA000390
42*	020327.00	020324.24 10		B,WJCV -IF AN INVALID CARD GET NEXT	ZA000391
43*	020327.40	231445.25 10		LX,\$10,WUNC4	ZA000392
44*	020330.00	020331.37 01	WJCVC	SX,\$10,WBREAK+1.0	ZA000393
45*	020330.40 *	022326.10 00		LVI,\$15,WMOVIO	ZA000394
46*	020331.00	231445.00+ 000	WMOVIO	B,TMOVE -WITH IOD OR REEL CARDS	ZA000395
		000000 000000		XW,WBREAK+1.0,0,0	

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*					- *****	ZA000397
2*					--ANALYZE ERROR RETURN, GIVE ERROR MESSAGE	ZA000398
3*					- *****	ZA000399
4*	020332.00	020331.24	10		LX,\$10,WMOVIO	ZA000400
5*	020332.40	020316.30	42		BXCZ,WJCV -NC ERROR, NO REJECT	ZA000401
6*	020333.00	020331.34	80	003000.06	70 C0011(BU,3),WMOVIO+.28 -COPY FIRST THREE BITS OF CCUNT F	ZA000402
7*	020334.00	020346.34	C2		BRZ,WMOREJ -TO REJECT	ZA000403
8*	020334.40	020603.20	80	010000.12	FC SF(BU,8,8),YMOVJM+5.16 -STORE IN REJECT MESSAGE	ZA000404
9*	020335.40	020324.64	80	014300.06	70 LF(BU,12,3),WUNC4+.52	ZA000405
10*	020336.40	000004.23	02		LCL,\$9,4.0	ZA000406
11*	020337.00	000000.23	01		LVI,\$9,C	ZA000407
12*	020337.40	020337.40	80	010000.13	79 WMCJL CTO101(BU,8),\$0(\$9)	ZA000408
13*	020340.40	020342.34	C0		BZRZ,\$+1.32	ZA000409
14*	020341.00	024000.00	80	410000.06	79 LFI(BU,8),(2)00001010,0(\$9) -LOAD BCD ZERO	ZA000410
15*	020342.00	000004.23	05		V+I,\$9,4.0	ZA000411
16*	020342.40	020337.62	48		CB,\$9,WMCJL -CONVERT IOD REFERENCE NUMBER	ZA000412
17*	020343.00	020601.10	80	040000.20	D0 ST(BU,32),YMOVJM+3.08 -STORE IN OUTPUT MESSAGE	ZA000413
18*	020344.00	* 020576.03	01		LVI,\$1,YMOVJM	ZA000414
19*	020344.40	231204.40	80		SIC,YPRRET	ZA000415
20*	020345.00	231172.10	00		B,YPR	ZA000415
21*	020345.40	020346.00	00		BE,WMOREJ -CHECK MOVE REJECT	ZA000416
22*	020346.00	020331.52	80	004000.20	50 WMCREJ L(BU,4),WMOVIO+.42, -LOAD REJECT BITS	ZA000417
23*	020347.00	020316.34	C2		BRZ,WJCV -NO REJECT, READ NEXT CARD	ZA000418
24*	020347.40	020331.51	80	020354.34	02 BB,WMOVIO+.41,WINV -IF AN INVALID IOD CARD	ZA000419
25*	020350.40	020331.55	80	020360.34	02 BB,WMOVIO+.45,WDISKA -REQUEST EXCEEDS DISK ALLOWED	ZA000420
26*	020351.40	020331.53	80	020362.34	02 BB,WMOVIO+.43,WMEMO -EXCEEDING REEL POOL TABLE	ZA000421
27*	020352.40	020331.52	80	020356.34	02 BB,WMOVIO+.42,WREFNO -INVALID REFERENCE NO.	ZA000422
28*	020353.40	020353.60	00		BEW,\$ -JOB OUT OF PHASE	ZA000423
29*					- OUT OF PHASE ERROR EXIT TO BE WRITTEN	ZA000424
30*	020354.00	020542.00	80	020442.10	AC WINV TI,4,YMCJM4,WJC4QM+2. -SET FOR THE ILLEGAL CARD MESSAGE	ZA000425
31*	020355.00	020440.03	01		LVI,\$1,WJC4QM	ZA000426
32*	020355.40	020356.50	00		B,WSIC	ZA000427
33*	020356.00	020622.03	01		WREFNO LVI,1,YMOJMI	ZA000428
34*	020356.40	231204.40	80		W SIC SIC,YPRRET	ZA000429
35*	020357.00	231172.10	00		B,YPR	ZA000429
36*	020357.40	* 020226.00	00		BE,WRESTR	ZA000430
37*	020360.00	020612.03	01		WDISKA LVI,1,YMOJMI2	ZA000431
38*	020360.40	231204.40	80		SIC,YPRRET	ZA000432
39*	020361.00	231172.10	00		B,YPR	ZA000432
40*	020361.40	020226.00	00		BE,WRESTR	ZA000433
41*	020362.00	020566.03	01		WMEMO LVI,1,YMCJM3	ZA000434
42*	020362.40	231204.40	80		SIC,YPRRET	ZA000435
43*	020363.00	231172.10	00		B,YPR	ZA000435
44*	020363.40	020226.00	00		BE,WRESTR	ZA000436
45*					CNOP	ZA000437
46*	020364.00	110000.00	80	414000.21	10 WTEST KI(BU,12),(8)1100 -IS IT A T CARD	ZA000438
47*	020365.00	020401.76	C2		BAE,WJ4VV -YES	ZA000439
48*	020365.40	020331.30	80	020200.74	00 BZB,WMOVIO+.24,WJC4G -INITIAL ENTRY BIT ON	ZA000440
49*	020366.40	020371.30	80	001000.36	FC CM1111(BU,1),WMOVIX+.24	ZA000441
50*	020367.40	020371.37	01		LVI,\$15,WMOVIX	ZA000442
51*	020370.00	022326.10	00		B,TMOVE	ZA000443
52*	020371.00	231445.00+	000	000000 000000	WMCVIX XW,WBREAK+1.0,0	ZA000444
53*	020372.00	020200.50	00		B,WJC4G	ZA000445

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*					- *****	ZA000447
2*					--SERVICE ROUTINES FOR ERROR MESSAGES, ETC.	ZA000448
3*					- *****	ZA000449
4*	020372.40	215011.60	50	WREJJB	LC,\$8,SREJJB -NUMBER OF JOBS TO REJECT	ZA000450
5*	020373.00 *	020375.30	42		BXCZ,YTRT-.32	ZA000451
6*	020373.40	000001.21	08		C-I,\$8,1.0 -	ZA000452
7*	020374.00	215011.61	50		SC,\$8,SREJJB -	ZA000453
8*	020374.40	020226.10	00		B,WRESTR	ZA000454
9*	020375.00	232232.34	30		LV,\$14,TPPRUN	ZA000455
10*	020375.40	000001.61	8E	020375.74 04 YTRT	BZBZ,YTRB(\$14),\$	ZA000456
11*	020376.40	020400.37	01		LVI,\$15,YTRMOV	ZA000457
12*	020377.00	022326.10	00		B,TMOVE	ZA000458
13*	020400.00	000000.00+	000	000000 000001 YTRMOV	XW,0,0,1,0	ZA000459
14*	020401.00	020375.10	00		B,YTRT-.32	ZA000460
15*	020401.40	231426.71	80	001000.36 FO WJ4VV	CM1111(BU,1),YTBIT -	ZA000461
16*	020402.40	020316.10	00		B,WJCV -READ NEXT CARD	ZA000462
17*	020403.00	020376.00	80	WSYSC2	SIC,WREJRT	ZA000463
18*	020403.40	020372.50	00		B,WREJJB	ZA000464
19*	020404.00	231443.00	80	060000.20 50	L(BU,48),WJOR2	ZA000465
20*	020405.00	231070.00	80	060000.21 10	K(BU,48),YCOMDM	ZA000466
21*	020406.00	020421.76	00		BZAE,WJC4QJ	ZA000467
22*	020406.40 *	020411.77	50	WSYSC1	SC,\$15,WSYSCA -	ZA000468
23*	020407.00	215571.00	80		SIC,SPRIMR -	ZA000469
24*	020407.40	215570.04	00		BD,SPRIME -	ZA000470
25*	020410.00	000120.00	80		,SCCMD	ZA000471
26*	020410.40	000002.00	80		,2.0	ZA000472
27*	020411.00	231443.00	80		,WJOR2	ZA000473
28*	020411.40	000000.00	80	WSYSCA	,0. -FOR NUMBER OF FIELDS	ZA000474
29*	020412.00	000000.30	00		NGP	ZA000475
30*	020412.40	000000.23	02		LCI,9,0.0	ZA000476
31*	020413.00	215001.20	80	020416.74 00	BZB,SJIFUL,ZJOB1	ZA000477
32*	020414.00	020414.22	48		CB,9,\$	ZA000478
33*	020414.40	000040.10	00		B,DMCP	ZA000479
34*	020415.00	000043.40	80		,DCCMM	ZA000479
35*	020415.40	020676.00	80		,YJIFUL	ZA000479
36*	020416.00	000010.00	80		,8.	ZA000479
37*	020416.40	215571.00	80	ZJOB1	SIC,SPRIMR	ZA000480
38*	020417.00	215570.04	00		BD,SPRIME -	ZA000481
39*	020417.40	000116.40	80		,SJC4 - PRIME JC-4	ZA000482
40*	020420.00	020420.40	00		BE,\$+.32 -	ZA000483
41*	020420.40	000040.10	00		B,DMCP -	ZA000484
42*	020421.00	000041.00	80		,SDRET -	ZA000485
43*	020421.40	000040.10	00	WJC4QJ	B,DMCP -	ZA000486
44*	020422.00 *	000043.40	80		,DCCMM	ZA000487
45*	020422.40	020523.00	80		,YJCEM -	ZA000488
46*	020423.00	000005.00	80		,5.0 -	ZA000489
47*	020423.40	231501.00	80	001000.36 FO	CM1111,YSSPBT	ZA000490
48*	020424.40	215001.10	80	020226.34 02	BB,SYSMOD,WRESTR	ZA000491
49*	020425.40	020223.10	00		B,WJC4Q -TO REJECT JOB	ZA000492
50*	020426.00	020636.03	01	WJC4QT	LVI,1,YTCM	ZA000493
51*	020426.40	231204.40	80		SIC,YPRRET	ZA000494
52*	020427.00	231172.10	00		B,YPR	ZA000494
53*	020427.40	020223.00	00		BE,WJC4Q -TO REJECT JOB	ZA000495
54*	020430.00	020646.03	01	WJC4QL	LVI,1,YLCM	ZA000496
55*	020430.40	231204.40	80		SIC,YPRRET	ZA000497
56*	020431.00	231172.10	00		B,YPR	ZA000497

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	020431
1*	020431.40	020223.00	00		BE,WJC4Q		ZA000498
2*	020432.00	232224.74	30	WJC4QI	LV,\$14,TNEXT	-TO REJECT JOB	ZA000499
3*	020432.40	020317.40	80		CM0000(BU,1),YTSP	-RESET THE SPECIAL BSS CASE IND.	ZA000500
4*	020433.40	215001.C3	80		CM0000,SCORG		ZA000501
5*	020434.40	000001.34	3E		LV,\$14,1.(\$14)		ZA000502
6*	020435.00	* 000000.00	8E		TI,4,0.(\$14),WJC4QM+2.	-	ZA000503
7*	020436.00	020440.C3	01		LVI,1,WJC4QM		ZA000504
8*	020436.40	231204.40	80		SIC,YPRRET		ZA000505
9*	020437.00	231172.10	00		B,YPR		ZA000505
10*	020437.40	020226.00	00		BE,WRESTR	-	ZA000506
11*					CNOP		ZA000507
12*	020440.00			WJC4QM	(AX)DD(BU), JOB REJECTED	X -	ZA000508
13*	020442.00	* 000004.00			DRZ(U),(4)	-	ZA000509
14*	020446.00				(AX)DD(BU),	X	ZA000510
15*	020450.00	000000.00+ 000	000000	WRDXW1	XW,0,0,YBCBU,0	-	ZA000511
16*	231444.00+	+00000000	U ,100,04	WBREAK	SYN,WJCR2+1.0	-	ZA000512
17*					- *****		ZA000513
18*					ERRCR ON T.O.P.,LIM, ORIGD CARD-	PICK UP ERROR MESSAGE(\$10),	ZA000514
19*					AND SET RETURN POINT IN CSE ERROR WAS FRAUDULENT (T-CARD)		ZA000515
20*					- *****		ZA000516
21*	020451.00	020636.25	01	YTCERR	LVI,\$10,YTCER		ZA000517
22*	020451.40	020075.63	01		LVI,\$9,YTCER	-T.C.P. CARD ERROR	ZA000518
23*	020452.00	020457.50	00		B,YBCERR		ZA000519
24*	020452.40	020646.25	01	YLCERR	LVI,\$10,YLCER		ZA000520
25*	020453.00	020111.63	01		LVI,\$9,YC4B5		ZA000521
26*	020453.40	020457.50	00		B,YBCERR		ZA000522
27*	020454.00	020656.25	01	YIDCER	LVI,\$10,YICER		ZA000523
28*	020454.40	020132.23	01		LVI,\$9,YIODSO		ZA000524
29*	020455.00	231373.64	80		LF(BU,24,6),YUTOE		ZA000525
30*	020456.00	020660.50	80		SF(BU,32),YICEM+.168		ZA000526
31*	020457.00	020457.50	00		B,YBCERR		ZA000527
32*					-		ZA000528
33*					- *****		ZA000529
34*					B-CARD ERROR - TEST FOR T-CARD AND FOR IODS,SEE WHETHER		ZA000530
35*					1ST PROGRAM CARD HAS BEEN ENCOUNTERED.		ZA000531
36*					- *****		ZA000532
37*	020457.40	231462.00	80	YBCERR	L(BU,12),YBCBU		ZA000533
38*	020460.40	* 110000.00	80		KFI(BU,12),(2)001001000000		ZA000534
39*	020461.40	020463.76	00		BZAE,\$+2.0		ZA000535
40*	020462.00	231426.71	80		CM1111(BU,1),YTBIT		ZA000536
41*	020463.00	000000.10	09		B,0.0(\$9)		ZA000537
42*	020463.40	420000.00	80		KFI(BU,12),(2)100010000000		ZA000538
43*	020464.40	020220.36	06		BAEZ,YBRLOG		ZA000539
44*	020465.00	020656.25	04		KVI,\$10,YICER		ZA000540
45*	020465.40	020220.32	00		BZXE,YBRLOG		ZA000541
46*	020466.00	215324.30	90		KV,\$12,SLRBU	-ARE IODS APPROACHING B LIMIT	ZA000542
47*	020466.40	020470.32	42		BXL,YBLMOK	-I F SC, RESET B LIMIT	ZA000543
48*	020467.00	215324.31	30		SV,\$12,SLRBU		ZA000544
49*	020467.40	215005.31	30		SV,\$12,SBAPP		ZA000545
50*	020470.00	000001.31	0A	YBLMOK	KCI,\$12,1.0	-IS NUMBER OF IODS ZERO	ZA000546
51*	020470.40	020177.72	02		BXE,WJC4G1		ZA000547
52*	020471.00	020153.50	00		B,YC4C9		ZA000548

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	ZA000550
2*			-	DECODE REJECT - PICK UP DIAGNOSING MESSAGE, PUT IN YC4SMB, SET	ZA000551
3*			-	*****	ZA000552
4*	020471.40	020161.34 30	YICER2	LV,\$14,YDECVF+1.C	ZA000553
5*	020472.00	000004.35 0D		V-I,\$14,4.0	ZA000554
6*	020472.40	020501.30 C6		BXVLZZ,YMOVEJ	ZA000555
7*	020473.00	000036.34 80		V+,\$14,\$14	ZA000556
8*	020473.40	000036.34 80		V+,\$14,\$14	ZA000557
9*	020474.00 *	020736.00 80		TI,8,YC4SMB+8.0,YC4SMB	ZA000558
10*	020475.00	020530.00 80		TI,2,YDECJM,YC4SMB	ZA000559
11*	020476.00	020532.00 8E		TI,4,YDEJM1(\$14),YC4SMB+2.0	ZA000560
12*	020477.00	020726.25 01		LVI,\$10,YC4SMB	ZA000561
13*	020477.40	020220.10 00		B,YBRLOG	ZA000562
14*			-		ZA000563
15*			-	*****	ZA000564
16*			-	ASSIGN REJECT FIXUPUP	ZA000565
17*			-	*****	ZA000566
18*	020500.00	020556.25 01	YASREJ	LVI,\$10,YASRJM	ZA000567
19*	020500.40	020220.10 00		B,YBRLOG	ZA000568
20*			-		ZA000569
21*			-	*****	ZA000570
22*			-	MOVE REJECT - ERROR MAY BE FATAL(YMOVJ2,3)- IF NOT,DIAGNOSE ON	ZA000571
23*			-	SPOOL AND RETURN TO YMOJRP IN MAINSTREAM.	ZA000572
24*			-	*****	ZA000573
25*	020501.00	020174.34 80	YMOVEJ	LF(BU,3,3),YMOVXW+.28	ZA000574
26*	020502.00	020515.34 C2		BRZ,YMOVJ2	ZA000575
27*	020502.40	020603.20 80		SF(BU,8),YMOVJM+5.16	ZA000576
28*	020503.40	020576.25 01		LVI,\$10,YMOVJM	ZA000577
29*	020504.00	000000.64 8B		LF(BU,12,3),.52(\$11)	ZA000578
30*	020505.00	000004.23 02		LCI,\$9,4.0	ZA000579
31*	020505.40	000000.23 01		LVI,\$9,0	ZA000580
32*	020506.00	020506.00 80	YMOJL	CT0101(BU,8),\$0(\$9)	ZA000581
33*	020507.00	020510.74 C0		BZRZ,\$+1.32	ZA000582
34*	020507.40 *	024000.00 80		LFI(BU,8),(2)000C1010,0(\$9)	ZA000583
35*	020510.40	000004.23 05		V+I,\$9,4.0	ZA000584
36*	020511.00	020506.22 48		CB,\$9,YMOJL	ZA000585
37*	020511.40	020601.10 80		ST(BU,32),YMOVJM+3.08	ZA000586
38*	020512.40	020576.00 80		TI,8,YMOVJM,YC4SMB	ZA000587
39*	020513.40	020726.03 01		LVI,1,YC4SMB	ZA000588
40*	020514.00	231204.40 80		SIC,YPRRET	ZA000589
41*	020514.40	231172.10 00		B,YPR	ZA000589
42*	020515.00	020174.53 80	YMOVJ2	BB,YMOVXW+.43,YMOVJ3	ZA000590
43*	020516.00	020174.52 80		BB,YMOVXW+.42,YMOVJ1	ZA000591
44*	020517.00	020174.55 80		BZB,YMOVXW+.45,YMOJRP	ZA000592
45*	020520.00	020612.25 01		LVI,\$10,YMOJM2	ZA000593
46*	020520.40	020220.10 C0		B,YBRLOG	ZA000594
47*	020521.00	020566.25 01	YMOVJ3	LVI,\$10,YMOJM3	ZA000595
48*	020521.40	020220.10 C0		B,YBRLOG	ZA000596
49*	020522.00	020622.25 01	YMCVJ1	LVI,\$10,YMOJM1	ZA000597
50*	020522.40	020220.10 C0		B,YBRLOG	ZA000598

LINE	LOCATION	BINARY CUTPUT	NAME	STATEMENT	LOCATION
1*			-	*****	ZA000600
2*			-	JC4 ERROR MESSAGES	ZA000601
3*			-	*****	ZA000602
4*				CNOP	ZA000603
5*	020523.00 *		YJCEM	(IQSX)DD(BU,64,8), PRESENT JOB REJECTED - NO JOB CARD. X	ZA000604
6*				CNOP	ZA000605
7*	020530.00		YDECJM	(AX)DD(BU),-JOB REJECTED ..X	ZA000606
8*	020532.00		YDEJM1	(AX)DD(BU), TAPE UNIT-CHANNEL CONFLICT. X	ZA000607
9*	020536.00 *			(AX)DD(BU), REELCARD FOLLOWS A NON-TAPE IODX	ZA000608
10*	020542.00		YMCJM4	(AX)DD(BU), TYPE IS ILLEGAL ON AN IOD CARD X	ZA000609
11*	020546.00			(AX)DD(BU), TWO INFINITY DISK REQUESTS. X	ZA000610
12*	020552.00 *			(AX)DD(BU), FIRST IOD CARD IS ILLEGAL X	ZA000611
13*				CNOP	ZA000612
14*				CNOP	ZA000613
15*	020556.00		YASRJM	(AX)DD(BU),-JOB REJECTED-... X	ZA000614
16*	020560.30			(AX)DD(BU),I-O REQUESTS INCOMPATIBLEX	ZA000615
17*	020563.40			(AX)DD(BU), WITH CONFIGURATION.X	ZA000616
18*				CNOP	ZA000617
19*	020566.00 *		YMCJM3	(AX)DD(BU),-JOB REJECTED- B LIMIT IS TOO HIX	ZA000618
20*	020572.00			(AX)DD(BU),GH FOR I-O REQUESTS TO BE HONORDX	ZA000619
21*				CNOP	ZA000620
22*	020576.00		YMCVJM	(AX)DD(BU),- X	ZA000621
23*	020600.00 *			(AX)DD(BU),IOD CARD HAX	ZA000622
24*	020602.00			(AX)DD(BU),S A TYPE ERRX	ZA000623
25*	020604.00			(AX)DD(BU),OR. X	ZA000624
26*				CNOP	ZA000625
27*	020606.00		YISUKM	(AX)DD(BU),DUE TO REPEATED UKS IN SCANNING.X	ZA000626
28*	020612.00		YMCJM2	(AX)DD(BU),-JOB REJECTED-..X	ZA000627
29*	020614.00 *			(AX)DD(BU),TOO MUCH DISK REX	ZA000628
30*	020616.00			(AX)DD(BU),QUESTED. X	ZA000629
31*	020620.00			(AX)DD(BU), X	ZA000630
32*	020622.00		YMOJM1	(AX)DD(BU),-JOB REJECTED-... IOD CARD HAS ANX	ZA000631
33*	020626.10 *			(AX)DD(BU), INVALID REFERENCE NUMBER. X	ZA000632
34*				CNOP	ZA000633
35*	020632.00		Y EMJC	(AX)DD(BU),- JOB CARD ERROR X	ZA000634
36*	020636.00		YTCEM	(AX)DD(BU),- TYPE CARD ERROR X	ZA000635
37*	020642.00 *			(AX)DD(BU),- JOB REJECTED. X	ZA000636
38*	020646.00		YLCEM	(AX)DD(BU),- LIM CARD ERROR X	ZA000637
39*	020652.00			(AX)DD(BU),- JOB REJECTED. X	ZA000638
40*	020656.00 *		YICEM	(AX)DD(BU),- IOD CARD ERROR X	ZA000639
41*	020662.00			(AX)DD(BU),- JOB REJECTED. X	ZA000640
42*	020666.00		YCCMJM	(AX)DD(BU),BY OPERATOR IN PHASE ONE. X	ZA000641
43*	020672.00	00000000037	YC4CM	DD(BU,32),(16)0000001F - JOB IN RED	ZA000642
44*	020672.40	21103600000		DD(BU,32),(16)89CF0000	ZA000643
45*	020673.00 *	0000000000000000000000	Y C4CM1	DD(BU),(16)0000000 - , TIME IN RED	ZA000644
46*	020674.00	01000111435		DD(BU,32),(16)0800931D	ZA000645
47*	020674.40	20505200000		DD(BU,32),(16)85150000	ZA000646
48*	020675.00		YC4CM2	(IQS*)DD(BU), *	ZA000647
49*	020676.00		YJ1FUL	(IQS*)DD(BU),THE SCAN TABLES ARE FULL. THE PHASE I TAPE MAY B*	ZA000648
50*	020704.00			(IQS*)DD(BU),E STOPPED. *	ZA000649

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				- *****		ZA000651
2*				- TEMPORARY STORAGE + SYMBOLS FOR JC4		ZA000652
3*				- *****		ZA000653
4*				CNOP		ZA000654
5*	020706.00 *			WSPLL (AX)DD(BU),1 X -		ZA000655
6*	020707.00	000010.00		WSPLL1 DRZ(U),8 -FOR JOB NAME		ZA000656
7*	020717.00			YC4DTS (AX)DD(BU),- TIME X		ZA000657
8*	020720.00			YC4TIM (AX)DD(BU), DATE X		ZA000658
9*	020722.00			YC4DTE (AX)DD(BU), VERSION X		ZA000659
10*	020725.00			YC4DTI (AX)DD(BU), X		ZA000660
11*				CNOP		ZA000661
12*	020726.00 *			YC4SMB (AX)DD(BU), X		ZA000662
13*	020734.00			(AX)DD(BU), X		ZA000663
14*	020742.00 *			(AX)DD(BU), X		ZA000664
15*	020750.00	231366.66	80	YYJCL ,YUCBF1+.54		ZA000665
16*	231443.00+	+00000000		YJCDB1 SYN,WJCR2 -A6 JOB CARD.		ZA000666
17*	231426.00+	+00000000		YLCL1 SYN,YLLSAV		ZA000667
18*	231426.40+	+00000000		YLCL2 SYN,YLLSAV +.32		ZA000668
19*	020202.40+	+00000000		YBCRD SYN,WJC4G2		ZA000669
20*	020707.00+	+00000000		YJCDBU SYN,WSPLL1		ZA000670
21*	020226.00+	+00000000		YRESTR SYN,WRESTR		ZA000671
22*	020226.00+	+00000000		YC4B SYN,YRESTR		ZA000672
23*	231426.71+	+00000000		YTBIT SYN,YLCL2+.25		ZA000673
24*				- *****		ZA000674
25*				- ***** THE COMPILE AND GO SUB ROUTINES *****		ZA000675
26*				- *****		ZA000676
27*	020750.40	215001.02	80	Y COJB BZBZ,SCNFCG,\$+2.		ZA000677
28*	020751.40	020754.00	80	CM111(BU,1),YDUM -IF THERE IS A MACHINE CONF. CHANGE		ZA000678
29*	020752.40	020754.37	C1	LVI,\$15,YDUM		ZA000679
30*	020753.00	021164.10	00	B,TASIGN -(TO PRINT MESSAGES BEFORE COMPILING		ZA000680
31*	020754.00	000000.00+	000	Y DUM XW,0,0,7 -SPEC. ENTRY TO ASSIGN TO RETURN WITHOUT STATUS		ZA000681
32*	020755.00	232232.36	30	LV,\$15,TPPRUN		ZA000682
33*	020755.40	000000.45	8F	020762.74 00 BZB,TRJECT(\$15),YCOJB2		ZA000683
34*	020756.40	220452.22	80	020274.74 02 BB,KSIL0+1.18,WJ4PFF		ZA000684
35*	020757.40	020566.35	01	LVI,\$14,YMOJM3		ZA000685
36*	020760.00	220452.25	80	002000.31 70 CT1100(BU,2),KSIL0+1.21		ZA000686
37*	020761.00 *	020274.74	C0	BZRZ,WJ4PFF		ZA000687
38*	020761.40	000000.34	9F	KV,\$14,0(\$15)		ZA000688
39*	020762.00	020274.72	42	BXL,WJ4PFF		ZA000689
40*	020762.40	220452.23	80	020766.34 02 YCOJB2 BB,KSIL0+1.19,YCOJB1		ZA000690
41*	020763.40	020765.37	C1	LVI,\$15,YCPREJ		ZA000691
42*	020764.00	022326.10	00	B,TMOVE		ZA000692
43*	020765.00	000000.00+	000	000000 000001 YCPREJ XW,0,0,1,0		ZA000693
44*	020766.00	000000.37	01	YCOJBI LVI,\$15,0		ZA000694
45*	020766.40	020776.37	D0	SVA,\$15,YCIODC		ZA000695
46*	020767.00	220460.22	00	Z,KSIL0+7.0		ZA000696
47*	020767.40	231400.00	80	060000.20 50 L(BU,48),YUCBF2+2.0		ZA000697
48*	020770.40	476300.00	80	414030.06 70 LFI(BU,12),YCCIN,48		ZA000698
49*	020771.40	020773.40	80	060006.20 D0 ST(BU,48),YDFCTA,12		ZA000699
50*	020772.40	000040.10	00	B,DMCP		ZA000700
51*	020773.00	000102.40	80	,DFETCH		ZA000701
52*	020773.40 *	000001.00		YDFCTA DR(BU),(1)		ZA000702
53*	020774.40	000000.00	80	,0		ZA000703
54*	020775.00	215020.01	80	LVE, ,SJCTWS		ZA000704
55*	020775.40	000000.00	80	,0		ZA000705
56*	020776.00	000000.00	80	YCIODC ,0		ZA000706

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	020776		
1*	020776.40	020451.10	00		B,YTCERR		ZA000707		
2*	020777.00	000000.30	00		NOP		ZA000708		
3*	020777.40	021000.77	01		LVI,\$15,\$+1.0		ZA000709		
4*	021000.00	230622.04	00		BD,SCA6	-CONVERT COMPILER NAMES TO BCD.	ZA000710		
5*	021000.40	215020.01	80		LVE, ,SJCTWS		ZA000711		
6*	021001.00	CC0120			CF,80		ZA000712		
7*	021001.40	231366.00+			VF,YUCBF1		ZA000713		
8*	021002.00	021003.37	01		LVI,\$15,\$+1.0	-BREAK OUT CARD	ZA000714		
9*	021002.40	230672.10	00		B,SBRK8		ZA000715		
10*	021003.00	231366.06+			VF,YUCBF1+.6		ZA000716		
11*	021003.40	CCC1C7			CF,71.		ZA000717		
12*	021004.00	231376.00+			VF,YUCBF2		ZA000718		
13*	021004.40	000000.00	80	YPCCT	,0		ZA000719		
14*	021005.00	021005.20	00		BEW,\$		ZA000720		
15*	021005.40	021006.00	00		BE,\$+.32		ZA000721		
16*	021006.00	021004.76	50		LC,\$15,YPCCT		ZA000722		
17*	021006.40	220451.22	00		Z,KSIL0		ZA000723		
18*	021007.00	220451.37	50		SC,\$15,KSIL0		ZA000724		
19*	021007.40	* 010000.00	80	422000.20	50	LI(BU,18),4096.	ZA000725		
20*	021010.40	215007.40	80	022000.30	10	-(BU,18),SSYRFT	-TELL COMPILERS HOW BIG TWS IS.	ZA000726	
21*	021011.40	220452.00	80	022000.20	00	ST(BU,18),KSIL0+1.0	ZA000727		
22*	021012.40	231376.00	80	220453.36	20	T,\$15,YUCBF2,KSIL0+2.0	ZA000728		
23*	021013.40	021060.60	80	001000.36	F0	CM1111(BU,1),YCIDBT	-SET READ SOURCE BIT	ZA000729	
24*	021014.40	215020.32	30			LV,\$13,SJCTWS	ZA000730		
25*	021015.00	000017.33	05			V+I,\$13,15.0	ZA000731		
26*	021015.40	020776.32	50			LC,\$13,YCIODC	ZA000732		
27*	021016.00	000035.31	80	001000.36	F0	CM1111(BU,1),\$13+.25	ZA000733		
28*	021017.00	020111.50	00			B,YC4B5	ZA000734		
29*	000000.CC+	+00004763		BU,14 ,06	YCCIN	(AX)DDI(BU,12,6),PCX	ZA000735		
30*	021017.40	231501.01	80	021030.74	06	YC4INT	BBZ,YEQJS,YCREJ	ZA000736	
31*	021020.40	021060.60	80	001000.00	F0	CM0000(BU,1),YCIDBT	ZA000737		
32*	021021.40	220451.74	30			LV,\$14,KSIL0+.32	ZA000738		
33*	021022.00	000001.35	05			V+I,\$14,1.0	ZA000739		
34*	021022.40	220451.34	90			KV,\$14,KSIL0	ZA000740		
35*	021023.00	* 021034.33	42			BXH,YLASTC	-HAS LAST COMPILER RUN	ZA000741	
36*	021023.40	021025.32	42			BXL,\$+1.32	-IS THIS THE LAST COMPILER	ZA000742	
37*	021024.00	220451.31	80	001000.36	F0	CM1111(BU,1),KSIL0+.25	-SET FLAG	ZA000743	
38*	021025.00	220451.75	30			SV,\$14,KSIL0+.32	-UPDATE COMPILER POINTER	ZA000744	
39*	021025.40	220452.00	8E	060000.20	50	L(BU,48),KSIL0+1.0(\$14)	ZA000745		
40*	021026.40	231427.00	80	060000.20	00	ST(BU,48),YDFCS	-COMPILER TYPE AREA INTO SFETCH	ZA000746	
41*	021027.40	021056.32	10			LX,\$13,YDKCRS	ZA000747		
42*	021030.00	020200.50	00			B,WJC4G	ZA000748		
43*	021030.40	215001.03	80	001000.00	F0	YCREJ	CM0000,SCORG	ZA000749	
44*	021031.40	215001.10	80	020226.34	02	BB,SYSMOD,YRESTR	ZA000750		
45*	021032.40	220452.23	80	020226.34	00	BZB,KSIL0+1.19,YRESTR	ZA000751		
46*	021033.40	020223.10	00			B,WJC4Q	ZA000752		
47*	021034.00	215001.03	80	001000.00	F0	YLASTC	CM0000(BU,1),SCORG	-SET TOGO (ZERO)	ZA000753
48*	021035.00	220460.31	80	021030.74	06	BBZ,KSIL0+7.25,YCREJ	ZA000754		
49*	021036.00	* 220452.23	80	020226.34	00	BZB,KSIL0+1.19,YRESTR	ZA000755		
50*	021037.00	021060.00	80	060000.20	50	L(BU,48),YTWSTA-	LOAD TYPE AREA FOR COMPILED P.P.	ZA000756	
51*	021040.00	231427.00	80	060000.20	00	ST(BU,48),YDFCS	ZA000757		
52*	021041.00	220460.34	30			LV,\$14,KSIL0+7.0	- COMPUTE NUMBER OF TWS ARCS LEFT.	ZA000758	
53*	021041.40	215007.34	80			V+,\$14,SDKMCP	ZA000759		
54*	021042.00	215007.75	30			SV,\$14,SSYRFT	ZA000760		
55*	021042.40	021055.32	10			LX,\$13,YPPDKS	-SET READ SOURCE TO P.P.	ZA000761	
56*	021043.00	220453.00	80	022000.06	70	LF(BU,18),KSIL0+2.	-CHECK FOR BSS LOADER	ZA000762	

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	021044
1*	021044.00	622222.00	80	422600.23	10	KFI,YBSSID	ZA000763
2*	021045.00	021052.36	CO			BZAE,YBB	ZA000764
3*	021045.40	220461.34	10			LX,\$14,KSIL0+8.	ZA000765
4*	021046.00	021057.32	10			LX,\$13,YPPBSD	ZA000766
5*	021046.40	020120.77	01			LVI,\$15,YL1	ZA000767
6*	021047.00	215001.10	80	023006.34	02	BB,SYSMCD,TJUNAS	ZA000768
7*	021050.00	020274.77	01			LVI,\$15,WJ4PFF	ZA000769
8*	021050.40	020317.40	80	001000.36	F0	CM1111(BU,1),YTSP	ZA000770
9*	021051.40	023006.10	00			B,TJUNAS	ZA000771
10*	000000.00+	+00622222		BU,22 ,06		(AX)DDI(BU,18,6),BSSX	ZA000772
11*	021052.00 *	215001.10	80	021054.34	02	YBB	ZA000773
12*	021053.00	020274.77	01			LVI,\$15,WJ4PFF	ZA000774
13*	021053.40	023006.10	00			B,TJUNAS	ZA000775
14*	021054.00	020111.77	01			LVI,\$15,YC4B5	ZA000776
15*	021054.40	023006.10	00			B,TJUNAS	ZA000777
16*	021055.00	CC0002.00+	111	000042	000000	YPPDKS	ZA000778
17*	021056.00	CC0017.00-	111	000000	000000	YDKCRS	ZA000779
18*	021057.00	CC0015.00-	111	000042	000000	YPPBSD	ZA000780
19*	021060.00					YTWSTA	ZA000781
20*	021060.60					YCIDBT	ZA000782
21*	021060.61					YNLST	ZA000783
22*						CNOP	ZA000784
23*	021062.00					YNCPUN	ZA000785

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					ZE000002
2*				THE ENTRY POINT TO THE ASSIGN ROUTINE	ZE000003
3*					ZE000004
4*	021062.60 *		SLC,\$		ZE000005
5*					ZE000006
6*				SAVE AREAS FOR INDEXES	ZE000007
7*					ZE000008
8*			CNOP		ZE000009
9*	021063.00	000C17.00	T ASAVE	DRZ(BU,64),(15) -AREA SET ASIDE FOR INDEX SAVING	ZE000010
10*					ZE000011
11*	021102.00	CCCCCC.00+ 000 C0C000 0CC000	T CTEMP	XW -TEMP SYMBOLIC CHAN WORD	ZE000012
12*	021103.00	CCCCCC.00+ 000 C0C000 0CC000	T WORK1	XW -TEMPORARY WORKING WORD	ZE000013
13*	021104.00	CCCCCC.00+ 000 C0C000 0CC000	T WORK2	XW -TEMPORARY WORKING WORD	ZE000014
14*	021105.00	CCCCCC.00+ 000 C0C000 0CC000	T REFIL	XW -TEMP STORAGE FOR IX -A-	ZE000015
15*					ZE000016
16*	021106.00	CC000C.00+ 000 000000 0CC000	T PURFT	XW,C -NOT OVERLAP PP REF WORD NO. 1	ZE000017
17*	021107.00	CC000C.00+ 000 000000 0CC000		XW,C -NOT OVERLAP PP REF WD NO. 2	ZE000018
18*	021110.00	CC000C.00+ 000 000100 0CC000		XW,C(.39)1 -NECESSARY FOR LAST ENTRY BIT	ZE000019
19*					ZE000020
20*	021111.00	CCCC00.00+ 000 000000 0CC000	T UIORQ	XW,C -THE NOT OVERLAP I/O REQ TBL	ZE000021
21*	021112.00 *	000C23.00		DRZ(BU,64),TUIOC-1	ZE000022
22*	021135.00	CCCC0C.4C+		VF,C.32 -DO NOT REMOVE - MARKS LAST WORD	ZE000023
23*					ZE000024
24*	021135.4C	000C00.3C 00		CNOP	ZE000025
25*	021136.00 *	000C24.00	TUFRE	DRZ(BU,64),TUFRC -THE NOT OVERLAP FIRST REEL TABLE	ZE000026
26*					ZE000027
27*	021162.00	232513.00+ 000 000010 021162	T TYARA	XW,TDISK,8,TTYARA -THE TYPE CODE	ZE000028
28*	021163.00	CC000C.30+	T COMBO	VF,TTYBC+TMACBC+TREQBC -A CONSTANT THAT WILL BY PASS ONE WORD	ZE000029
29*	021163.4C	CC000C.2C+	T ZCOMB	VF,TTYBC+TMACBC -FOR COMPUTING THE NUMBER OF UNITS	ZE000030
30*					ZE000031
31*	021164.00	000C21.00 80 021063.30 E0	T ASIGN	SWAPI,12,\$1,TASAVE -SAVE INDEXES	ZE000032
32*	021165.00	000C00.24 1F		LX,TCTWDX,0.0(\$15) -OVERLAP AND MACHINE CONF TEST	ZE000033
33*	021165.40	232227.32 80 006000.00 F0		CM0000(BU,6),TMODE -RESET INDICATORS	ZE000034
34*	021166.40	021515.31 40		BZXVZ,TA9 -IF A MACH ONF CHANGE	ZE000035
35*	021167.00	021170.63 40	T B1F	BZXF,TB1C -IF OVERLAP MODE	ZE000036
36*					ZE000037
37*				NOT OVERLAPPED TYPE OF PROBLEM PROGRAM	ZE000038
38*					ZE000039
39*	021167.40	232230.06 10		LX,TIXE,TPPURF -NOT OVERLAP PP SET UP	ZE000040
40*	021170.00	021171.10 00		B,TA1-1.0	ZE000041
41*					ZE000042
42*					ZE000043
43*				OVERLAP TYPE OF PP	ZE000044
44*					ZE000045
45*	021170.40	232226.06 10	T B1C	LX,TIXE,TSAV -FIND LOC. WITH IN P P REF TBL	ZE000046
46*	021171.00	232227.37 80 002000.00 F0		CM0000(BU,2),TINDE	ZE000047
47*	021172.00	CCCC00.47 83 021721.74 02	T A1	BB,TLPPEN(TIXE),TF -IF LAST ENTRY WITHIN PP REF TB	ZE000048
48*	021173.00	000C00.44 83 021503.74 02		BB,TJBPRO(TIXE),TB8Z -IF THE PP WAS PROCESSED	ZE000049

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021174	
1*	021174.00	000000.46	83	021503.74	02	BB,TASGNP(TIXE),TB8Z	-IF PP IS ASSIGNED BYPASS REMAINDER	ZE000051
2*	021175.00 *	000000.10	33			LV,TIXA,TCRREF(TIXE)	-GET I/O REQ TBL ADDRESS	ZE000052
3*	021175.40	000000.34	83	010027.20	50	L,TUNCT(TIXE),46	-GET THE UNIT COUNT	ZE000053
4*	021176.40	C00011.10	50			LC,TIXA,\$R		ZE000054
5*	021177.00	021105.11	03			LRI,TIXA,TREFIL	-REFILL ADDR TC INDEX	ZE000055
6*	021177.40	021105.11	10			SX,TIXA,TREFIL		ZE000056
7*	021200.00	C00000.45	83	021663.34	02	BB,TRJECT(TIXE),TAREJ	-IF PP WAS REJD AND TBLS TO BE CLEARED	ZE000057
8*	021201.00	021501.70	42			BXCZ,TB8C	-IF NO I/O REQUESTS FOR THE PP	ZE000058
9*	021201.40	000000.24	1F			LX,TCTWCX,0.0(\$15)	-TO ACTIVATE THE FLAG IND	ZE000059
10*	021202.00	C21205.23	42			BXF,TD1+.32	-TO PREVENT A DOUBLE VALIDITY	ZE000060
11*	021202.40	232227.43	80	021204.74	06	BBZ,TLOCP1,TD1	-IF IX-E- WAS REFILLED	ZE000061
12*	021203.40	232512.C6	90			KV,TIXE,TVALVF	-CHECK TO PREVENT A DOUBLE VALIDITY CK	ZE000062
13*	021204.00	021225.73	40			BZXH,TA2	-IF A VALIDITY CHECK HAS BEEN MADE	ZE000063
14*	021204.40	232512.07	30			SV,TIXE,TVALVF	-SAVE TO PREVENT DOUBLE VALIDY CHECK	ZE000064
15*								ZE000065
16*							DO A VALIDITY CHECK ON THE REQUEST	ZE000066
17*								ZE000067
18*							FIRST CLEAR COUNT AREA	ZE000068
19*								ZE000069
20*	021205.00	021162.24	10			LX,TX1,TTYARA	-LOAD TO BEGINNING OF TABLE	ZE000070
21*	021205.40	000011.22	00			Z,\$R	-ZERO THE ACC	ZE000071
22*	021206.00	C00000.20	8A	010000.20	D0	T CLEAR ST,TRCAD(TX1)	-THEN CLEAR THE COUNT AREA	ZE000072
23*	021207.00	021163.24	F0			V+CR,TX1,TCOMBO		ZE000073
24*	021207.40	021206.30	40			BZXCZ,TCLEAR		ZE000074
25*	021210.00 *	000000.22	84	021211.74	00	T SETAC BZB,TLAST(TIXA),TSETBC		ZE000075
26*	021211.00	232307.11	01			LVI,TIXA,TIGREQ	-RELOAD TO BEGINING OF TABLE	ZE000076
27*	021211.40	C00000.03	84	004000.20	50	T SETBC L,TTYE(TIXA)	-REQUESTED TYPE TO ACC	ZE000077
28*	021212.40	C00000.00	8A	010000.21	10	T COMPA K,TTYAD(TX1)	-COMPARE FOR EQUALITY	ZE000078
29*	021213.40	021215.76	C2			BAE,TCI	-IF EQUAL	ZE000079
30*	021214.00	021163.24	D0			V+C,TX1,TCOMBO	-GET NEXT FEILD	ZE000080
31*	021214.40	021212.70	40			BZXCZ,TCOMPA		ZE000081
32*								ZE000082
33*	021215.00	021215.04	00			BD,\$	-ILLEGAL REQUEST - MCP ERROR	ZE000083
34*								ZE000084
35*	021215.40	000000.20	8A	010000.22	BC	T C1 M+1,TRCAD(TX1)	-INCREMENT REQUEST COUNT	ZE000085
36*	021216.40	000032.02	00			R,TX1	-REFILL TO BEGINNING OF TABLE	ZE000086
37*	021217.00	021210.11	4C			CBR+,TIXA,TSETAC		ZE000087
38*								ZE000088
39*							CHECK REQUEST COUNT AGAINST THE MACH CONF COUNT	ZE000089
40*								ZE000090
41*	021217.40	000000.20	8A	010000.06	70	T CHEK LF,TRCAD(TX1)	-REQUEST COUNT TO ACC	ZE000091
42*	021220.40	021223.74	C2			BRZ,TCONT	-NO REQUEST	ZE000092
43*	021221.00	000000.10	8A	010000.23	10	KF,TMCAD(TX1)	-COMPARE MACHINE CONF. COUNT	ZE000093
44*	021222.00	021223.77	40			BZAH,TCONT	-IF REQUEST IS OK	ZE000094
45*	021222.40	C00000.45	83	001000.36	F0	CM1111,TRJECT(TIXE)	-REJECT PP FOR REQ IS TO HIGH	ZE000095
46*	021223.40	021163.24	D0			T CONT V+C,TX1,TCOMBO		ZE000096
47*	021224.00 *	021217.70	40			BZXCZ,TCHEK		ZE000097
48*	021224.40	000000.45	83	021662.34	02	BB,TRJECT(TIXE),TAREJX	-IF PP WAS REJECTED	ZE000098
49*								ZE000099
50*								ZE000100

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	021225
1*	021225.40	021102.22 00	T A2	Z,TCTEMP	-CLEAR THE TEMP SYMB CHAN WORD	ZE000102
2*	021226.00	232227.33 80 004000.00 F0		CMOC00(BU,4),TINDA	-RESET ALL IND	ZE000103
3*	021227.00	232227.22 80 007000.06 70		LF,TLCHCT	-COMPARE THE REQUESTED CHANNEL COUNT	ZE000104
4*	021230.00	000000.13 84 007000.23 10	T A2G	KF,TRLSYM(TIXA)	-AGAINST THE ACTUAL MACHINE CONFIGURATION	ZE000105
5*	021231.00	021232.76 42		BAL,TA2F	- IF GREATER THAN THEN ALLOW	ZE000106
6*	021231.40	021230.11 4C		CBR+,TIXA,TA2G	-A SPLIT CHANNEL OPERATION.	ZE000107
7*	021232.00	021234.10 00		B,TA2A		ZE000108
8*	021232.40	232227.33 80 002000.36 F0	T A2F	CM1111(BU,2),TINDA		ZE000109
9*	021233.40	000024.02 00		R,TIXA		ZE000110
10*	021234.00	000000.12 10	T A2A	LX,TIXB,\$Z	-INITIALIZE TO PREVENT ERROR	ZE000111
11*	021234.40	232227.36 80 001000.00 F0		CMOC00,TINDD	-RESET THE OPTIMIZE IND	ZE000112
12*	021235.40	232227.40 80 021237.34 00		BZB,TINDZ,TA2B	-IF MORE MULTI UNIT CHAN AVAILALBE	ZE000113
13*	021236.40	021722.10 00		B,TG		ZE000114
14*						ZE000115
15*						ZE000116
16*						ZE000117
17*	021237.00 *	000000.00 84 021250.34 00	T A2B	BZB,TASGNI(TIXA),TA2D	-IF REQ IS NOT ASSIGNED	ZE000118
18*	021240.00	000000.03 84 021245.74 00		BZB,TTYPE(TIXA),TB2	-IF A SINGLE UNIT TYPE OF REQUEST	ZE000119
19*	021241.00	000000.13 84 007020.20 50		L,TRLSYM(TIXA),32	-REL SYMBOLIC CHANNEL TO ACC	ZE000120
20*	021242.00	021245.74 C2		BRZ,TB2	-IF A ZERO CHANNEL REQUEST	ZE000121
21*	021242.40	000000.56 84 022027.06 70		CO011,TABSCH(TIXA),46	-ABSOLUTE CHANNEL TO ACC	ZE000122
22*	021243.40	000000.07 84 003000.06 70		CO011,TABSUN(TIXA)	-ABSOLUTE UNIT TO ACC	ZE000123
23*	021244.40	021102.00 80 000000.20 D0		ST(BU,64),TCTEMP	-BUILD TEMP CHAN WORD	ZE000124
24*	021245.40	000001.22 84 021247.34 00	T B2	BZB,TLAST+1.0(TIXA),TB2Z	-CHECK FOR TABLE LOOP AROUND	ZE000125
25*	021246.40	232306.11 01		LVI,TIXA,TIDREQ-1.0		ZE000126
26*	021247.00	021234.11 48	T B2Z	CB+,TIXA,TA2A		ZE000127
27*	021247.40	021476.10 00		B,TA8	-IF COUNT GOES TO ZERO	ZE000128
28*	021250.00	232227.32 80 001000.00 F0	T A2D	CMOC00,TMODE	-RESET IND	ZE000129
29*	021251.00	232517.22 10		LX,TX2,TYSCAN	-SET UP FOR FORWARD SCAN	ZE000130
30*	021251.40	000000.24 1F		LX,TCTWDX,0.0(\$15)	-SET UP FOR OVERLAP MODE TEST	ZE000131
31*	021252.00	021253.63 42		BXF,TA2CB	-IF FULL NOT OVERLAP MODE	ZE000132
32*	021252.40 *	000000.01 84 021254.74 00		BZB,TUNOBT(TIXA),TA2DC	-IF SINGLE OVERLAP MODE	ZE000133
33*	021253.40	232227.32 80 001000.36 F0	T A2DB	CM1111,TMODE	-SET IND TO NOT OVERLAP MODE	ZE000134
34*	021254.40	000000.03 84 021264.34 02	T A2DC	BB,TTYPE(TIXA),TA2E	-IF A TAPE CHAN REQUEST	ZE000135
35*						ZE000136
36*						ZE000137
37*						ZE000138
38*	021255.40	021311.63 42		BXF,TA7	-IF NOT OVERLAP CASE,BYPASS	ZE000139
39*	021256.00	232232.24 10		LX,TX1,TPPRUN	-SET IX TO NEXT JOB TO RUN	ZE000140
40*	021256.40	000000.47 8A 021725.74 02		BB,TLPPEN(TX1),TP	-ERROR - SOMETHING IS OUT OF PHASE	ZE000141
41*	021257.40	000000.45 8A 021261.74 02	T C2B	BB,TRJECT(TX1),TC2BA	-IF THIS JOB WAS REJECTED	ZE000142
42*	021260.40	000000.44 8A 021262.74 00		BZB,TJBPRO(TX1),TC2BC	-IF THE JOB WAS NOT PROCESSED	ZE000143
43*	021261.40	000002.25 07	T C2BA	V+ICR,TX1,2.0		ZE000144
44*	021262.00	021257.50 00		B,TC2B		ZE000145
45*	021262.40	000032.06 90	T C2BC	KV,TIXE,TX1	-IS ASSIGNMENT FOR NEXT JOB TO BE RUN	ZE000146
46*	021263.00	021245.72 C0		BZXE,TB2	-NO, DO NOT ASSIGN	ZE000147
47*	021263.40	021311.50 00		B,TA7		ZE000148
48*						ZE000149
49*						ZE000150
50*	021264.00	232227.32 80 021267.34 02	T A2E	BB,TMODE,TA6	-IF NOT OVERLAP MODE	ZE000151

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	021265
1*	021265.00	232227.40	80	021245.74	OE	BB1,TINCZ,TB2	ZE000153
2*	021266.00 *	232227.41	80	001000.36	FO	CM1111(BU,1),TINDX	ZE000154
3*							ZE000155
4*						*****	ZE000156
5*						CONCLUSION -- TRY TO ASSIGN THIS MULTI-UNIT REQ	ZE000157
6*						*****	ZE000158
7*	021267.00	021105.24	10			T A6 LX,TX1,TREFIL -SET FOR CHANNEL SCAN	ZE000159
8*	021267.40	000000.13	84	007000.06	70	LF,TRLSYM(TIXA) -SYMBOLIC CHANNEL NUMBER TO ACC	ZE000160
9*	021270.40	000022.22	00			Z,TX3 -ZERO THE COUNTER INDEX	ZE000161
10*	021271.00	021103.11	50			SC,TIXA,TWORK1 -SAVE FOR COMPARING	ZE000162
11*	021271.40	021337.34	C2			BRZ,TA3 -DO NOT COMPARE IF RLSYM IS ZERO	ZE000163
12*	021272.00	000000.13	8A	007000.23	10	T A6A KF,TRLSYM(TX1) -LOOK FOR LIKE SYMBOLIC CHAN	ZE000164
13*	021273.00	021274.76	C2			BAE,TA6C -IF LIKE SYMBOLIC CHANNEL	ZE000165
14*	021273.40	021272.25	48			T A6B CB+,TX1,TA6A	ZE000166
15*	021274.00	021275.50	00			B,TA6D	ZE000167
16*							ZE000168
17*	021274.40	000001.05	00			T A6C C+I,TX3,1.0 -ADVANCE THE LIKE REQUEST COUNTER	ZE000169
18*	021275.00	021273.50	00			B,TA6B	ZE000170
19*							ZE000171
20*	021275.40	021102.31	80	007000.23	10	T A6D KF,TCTSCH -COMPARE ACC AGAINST TEMP	ZE000172
21*	021276.40	232227.05	90			KC,TX3,TLUCT -IS THERE A CHANNEL WITH ENOUGH UNITS	ZE000173
22*	021277.00	021307.73	42			BXH,TAQ -IF THE CHANNEL REQ IS TOO LARGE	ZE000174
23*	021277.40	021337.36	C0			BZAE,TA3 -IF UNLIKE ABS CHAN LOC	ZE000175
24*							ZE000176
25*						GET ABSOLUTE CHANNEL NO. AS REQUEST IS PARTIALY ASSIGNED	ZE000177
26*							ZE000178
27*	021300.00	021102.00	80	022027.20	50	L,TCTACH,46 -GET ABSOLUTE CHAN ADDRESS	ZE000179
28*	021301.00	000011.04	10			LX,TX3,\$R -PLACE IN INDEX	ZE000180
29*	021301.40	000000.14	32			LV,TIXJ,TUNTBA(TX3) -GET UNIT TABLE ADDRESS	ZE000181
30*	021302.00 *	000000.73	82	004027.20	50	L,TUNITK(TX3),46	ZE000182
31*	021303.00	000011.14	50			LC,TIXJ,\$R -UNIT COUNT TO CF	ZE000183
32*	021303.40	232227.33	80	021356.34	00	BZB,TINDA,TC3Z -IF THE SAME CHAN IS NOT ALLOWED	ZE000184
33*	021304.40	232227.34	80	021307.74	02	BB,TINDB,TAQ -IF SPLIT CH MODE,SET TO REV SCAN	ZE000185
34*	021305.40	232227.32	80	021307.74	02	BB,TMCDE,TAQ -IF NOT OVERLAP	ZE000186
35*	021306.40	232232.06	90			KV,TIXE,TPPRUN -IS THIS THE NEXT JOB TO BE RUN	ZE000187
36*	021307.00	021356.32	C0			BZXE,TC3Z -NO -- BYPASS	ZE000188
37*	021307.40	232227.34	80	001000.36	FO	T AQ CM1111,TINDB -SET THE SPLIT CHANNEL IND	ZE000189
38*	021310.40	000001.23	05			V+I,TX2,1.0 -STEP TO THE REVERSE SCAN	ZE000190
39*	021311.00	021337.10	00			B,TA3	ZE000191
40*							ZE000192
41*							ZE000193
42*							ZE000194
43*							ZE000195
44*						CONCLUSION --TRY TO ASSIGN THIS SINGLE UNIT REQUEST	ZE000196
45*							ZE000197
46*	021311.40	215002.04	10			T A7 LX,TX3 ,TCHSXW	ZE000198
47*	021312.00	000000.64	82	021325.34	02	T A7A BB,TEQUIP(TX3),TB7 -IF A TAPE CHANNEL	ZE000199
48*	021313.00	000000.31	82	021325.34	02	BB,TCHAVL(TX3),TB7 -IF THE CHANNEL IS NOT AVAILABLE	ZE000200
49*	021314.00	000000.03	84	004000.06	70	LF,TTYE(TIXA) -IS IT THE CORRECT EQUIP TYPE	ZE000201
50*	021315.00 *	000000.64	82	004000.23	10	KF,TEQUIP(TX3)	ZE000202

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021316	
1*	021316.00	021325.36	C0	BZAE,TB7	-NO		ZE000204	
2*	021316.40	000000.33	82	021326.34 02	BB,TMULTI(TX3),TA7D	-IF A MULTI SING UNIT CHANNEL	ZE000205	
3*	021317.40	000000.34	82	021325.34 02	BB,TUNAVL(TX3),TB7	-IF UNIT IS NOT AVAILABLE	ZE000206	
4*	021320.40	C00C00.35	82	021325.34 0C	BZB,TUNASG(TX3),TB7	-IF THE UNIT IS ASSIGNED	ZE000207	
5*	021321.40	00CC00.76	82	002000.07 70	CTOC11(BU,2),TUNRES(TX3)	-IS THE UNIT RESERVED	ZE000208	
6*	021322.40	C21467.74	C2	BRZ,TA5S	-NO		ZE000209	
7*	021323.00	232227.32	80	021325.34 00	BZB,TMCDE,TB7	-YES, WHAT IS THE MODE	ZE000210	
8*	021324.00	C00000.76	82	021467.74 00	BZB,TUNRES(TX3),TA5S	- NOT OVERLAP, GO ONLY IF OVERLAP RES	ZE000211	
9*	021325.00	021312.05	48	T B7	CB+,TX3 ,TA7A		ZE000212	
10*	021325.40	021245.50	00	B,TB2	-IF IX -D- RUNS OUT		ZE000213	
11*				-			ZE000214	
12*				-	MULTI-SINGLE UNIT REQUEST. EG DISK, CONSOLE		ZE000215	
13*				-			ZE000216	
14*	021326.00	000000.14	32	T A7D	LV,TIXJ,TUNTBA(TX3)	-ADDRESS OF UNIT TABLE	ZE000217	
15*	021326.40	000000.73	82	004027.20 50	L,TUNITK(TX3),46	-GET UNIT COUNT	ZE000218	
16*	021327.40	000011.14	50		LC,TIXJ,\$R	-PLACE IN CF	ZE000219	
17*	021330.00	021325.30	42		BXCZ,TB7	-IF NO UNITS ARE AVAILABLE	ZE000220	
18*	021330.40 *	C00C00.34	86	021336.34 02	T A7CA	BB,TUNAVL(TIXJ),TC7	-IF THE UNIT IS NOT AVAILABLE	ZE000221
19*	021331.40	000000.35	86	021336.34 00	BZB,TUNASG(TIXJ),TC7	-IF THE UNIT IS ASSIGNED	ZE000222	
20*	021332.40	000000.76	86	002000.07 70	CTOC11(BU,2),TUNRES(TIXJ)	-IS UNIT RESERVED	ZE000223	
21*	021333.40	021432.74	C2	BRZ,TA5A	-NO		ZE000224	
22*	021334.00	232227.32	80	021336.34 00	BZB,TMCDE,TC7	-YES, WHAT IS THE MODE	ZE000225	
23*	021335.00	000000.76	86	021432.74 00	BZB,TUNRES(TIXJ),TA5A	-NOT OVERLAP, GO IF OVERLAP RES	ZE000226	
24*	021336.00	021330.55	48	T C7	CB+,TIXJ,TA7CA		ZE000227	
25*	021336.40	021325.10	00		B,TB7		ZE000228	
26*				-			ZE000229	
27*				-			ZE000230	
28*				-			ZE000231	
29*				-	MULTI-UNIT CHANNEL SCAN		ZE000232	
30*				-			ZE000233	
31*				-			ZE000234	
32*	021337.00	000000.12	19	T A3	LX,TIXB,0.0(TX2)	-GET THE PROPER SCAN	ZE000235	
33*	021337.40	021245.70	42		BXCZ,TB2	-IF THERE ARE NO MULTI UNITS AVAILABLE	ZE000236	
34*	021340.00	C00C00.14	55	T A3D	LC,TIXJ,0.0(TIXB)	-LOCATE THE CHANNEL WORD INDEX	ZE000237	
35*	021340.40	C00022.15	50		SC,TIXJ,TX3	-TO REMOVE THE INTERGER FROM THE VF	ZE000238	
36*	021341.00	000000.14	32		LV,TIXJ,TUNTBA(TX3)	-ADDRESS OF THE UNIT TABLE TO IX	ZE000239	
37*	021341.40	000000.73	82	004027.20 50	L,TUNITK(TX3),46	-GET THE NUMBER OF UNITS ON CHANNEL	ZE000240	
38*	021342.40	000000.24	85	004007.06 70	LF,TCHCNT(TIXB),14	-GET NO. OF UNITS ON CHAN FOR COMPARE	ZE000241	
39*	021343.40	000011.14	50		LC,TIXJ,\$R	-PLACE IN CF	ZE000242	
40*	021344.00	000011.45	90		KC,IX3,\$R+.32	-ARE THERE ENOUGH UNITS TO SATIFY REQ	ZE000243	
41*	021344.40 *	000000.13	84	007000.06 70	LF,TRLSYM(TIXA)	-TEST FOR BLANK CHANNEL REQUEST	ZE000244	
42*	021345.40	021356.34	C2		BRZ,TC3Z	-YES, ASSIGN TO ANY CHANNEL	ZE000245	
43*	021346.00	021347.73	40		BZXH,TA3C	-IF THERE ARE ENOUGH UNITS ON A CHAN	ZE000246	
44*	021346.40	232227.34	80	021423.34 00	BZB,TINDB,TA3F1	-IF THE SPLIT CHAN IND IS OFF	ZE000247	
45*				-			ZE000248	
46*				-	IS THIS CHAN ASSIGNED TO ANOTHER I/O WITHIN PP		ZE000249	
47*				-			ZE000250	
48*	021347.40	232227.33	80	021356.34 02	T A3C	BB,TINDA,TC3Z	-IF SAME CHAN IS ALLOWED	ZE000251
49*	021350.40	021105.24	10		LX,TIXK,TREFIL	-SET IX FOR SCANNING I/O REQ TABLE	ZE000252	
50*	021351.00	000011.05	30		SV,TX3,\$R	-CHANNEL ADDRESS TO ACC	ZE000253	

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021351
1*	021351.40	000000.56	8A 022027.23 10	T A3CA	KF,TABSCH(TIXK),46	-LOOK FOR LIKE CHANNEL ADDRESS	ZE000255
2*	021352.40	021355.76	C0		BZAE,TA3CB	-IF CHAN IS NOT ASSIGNED TO ANOTHER	ZE000256
3*				-			ZE000257
4*				-	YES -- DOES THE I/O REQUEST THE SAME CHANNEL		ZE000258
5*				-			ZE000259
6*	021353.00	000000.13	8A 007000.06 70		LF,TRLSYM(TIXK)	-REL SYMB CHAN NUMBER VS	ZE000260
7*	021354.00	000000.13	84 007000.23 10		KF,TRLSYM(TIXA)	-THE ASSIGNED REL SYMB CHAN NUMBER	ZE000261
8*	021355.00	021423.36	C0		BZAE,TA3F1	-IF THEY ARE UN-LIKE	ZE000262
9*				-			ZE000263
10*	021355.40	021351.65	48	T A3CB	CB+,TIXK,TA3CA		ZE000264
11*				-	IF IT GETS HERE, DO A UNIT TABLE SCAN		ZE000265
12*				-			ZE000266
13*	021356.00	021104.15	10	T C3Z	SX,TIXJ,TWORK2	-SAVE IX FOR RELOAD	ZE000267
14*	021356.40	021104.14	10	T C3	LX,TIXJ,TWORK2	-RELOAD	ZE000268
15*	021357.00	000000.34	86 021420.34 02	T C3A	BB,TUNAVL(TIXJ),TB3	-IF THE UNIT IS NOT AVAILABLE	ZE000269
16*	021360.00 *	232227.41	80 001000.00 F0		CMOC00,TINDX	-MORE UNITS ARE AVAILABLE	ZE000270
17*				-			ZE000271
18*				-			ZE000272
19*				-			ZE000273
20*	021361.00	000000.35	86 021420.34 00		BZB,TUNASG(TIXJ),TB3	-IF THE UNIT IS ASSIGNED	ZE000274
21*	021362.00	000000.76	86 002000.07 70		CTOC11(BU,2),TUNRES(TIXJ)	--TEST THE RESERVE BITS	ZE000275
22*	021363.00	021366.74	C2		BRZ,TA4A	-IF NOT RESERVED	ZE000276
23*	021363.40	232227.32	80 021420.34 00		BZB,TMCDE,TB3	-IF OVERLAP MODE	ZE000277
24*	021364.40	000000.76	86 021420.34 02		BB,TUNRES(TIXJ),TB3	-IF NOT OVERLAP RESERVED	ZE000278
25*	021365.40	000000.01	84 021400.74 02		BB,TUNOBT(TIXA),TA4C	-IF SINGLE UNIT NOT OVERLAP MODE	ZE000279
26*	021366.40	232227.40	80 001000.00 F0	T A4A	CMOC00,TINDZ	-SET THE MULTI-UNIT AVAIL.BIT	ZE000280
27*	021367.40	232227.36	80 021432.74 02		BB,TINDD,TA5A	-IF THE OPT. REEL MOUNT IS BY PASSED	ZE000281
28*	021370.40	000000.34	84 022000.06 70		LF,TFREEL(TIXA)	-GET THE REEL NUMBER ADDRESS	ZE000282
29*	021371.40	021377.34	C2		BRZ,TA4B	-IF SCRATCH REQ.	ZE000283
30*	021372.00	000000.33	86 021432.74 02		BB,TFDISP(TIXJ),TA5A	-IF NO TAPE MTEd, MNT THE LAB TAP	ZE000284
31*	021373.00 *	232227.31	80 001000.06 70		LF,TONE	-IF REEL ADDRESS IS NOT ZERO	ZE000285
32*	021374.00	000000.32	86 001000.23 10	T A4BA	KF,STATI(TIXJ)	-ORIGINAL VS THE NEW	ZE000286
33*	021375.00	021432.76	C2		BAE,TA5A	-IF LIKE MOUNTING	ZE000287
34*	021375.40	232227.35	80 001000.36 F0	T A4CM	CM1111,TINDC	-SET THE UNIT FOUND IND.	ZE000288
35*	021376.40	021420.10	C0		B,TB3		ZE000289
36*	021377.00	000000.33	86 021375.74 02	TA4B	BB,TFDISP(TIXJ),TA4CM	-SCRATCH. IS A TAPE MTEd	ZE000290
37*	021400.00	021374.10	00		B,TA4BA	-YES	ZE000291
38*				-			ZE000292
39*				-	SINGLE NOT OVERLAP MODE -- BE SURE THE UNIT IS		ZE000293
40*				-	RESERVED FOR A PP THAT IS IN QUEUE AFTER THIS PP		ZE000294
41*				-			ZE000295
42*	021400.40	000023.26	10	T A4C	LX,TIXL,TIXE	-LOAD FOR PP REF TABLE SCAN	ZE000296
43*	021401.00	000002.27	07	T A4CA	V+ICR,TIXL,2.0	-GET THE NEXT PP REF NUMBER	ZE000297
44*	021401.40	000000.47	88 021420.34 02		BB,TLPPEN(TIXL),TB3	-IF LAST ENTRY	ZE000298
45*	021402.40	000000.44	88 021401.34 02		BB,TJBPRO(TIXL),TA4CA	-IF NOT OVERLAP JOB WAS PROCESSED	ZE000299
46*	021403.40	000000.34	88 010027.20 50		L,TUNCT(TIXL),46	-GET THE I/O REQ COUNT	ZE000300
47*	021404.40	021401.34	C2		BRZ,TA4CA	-IF THERE IS NO I/O REQ FOR PP	ZE000301
48*	021405.00	000011.20	50		LC,TIXM,\$R	-UNIT COUNT TO CF	ZE000302
49*	021405.40	000000.20	38		LV,TIXM,TCRREF(TIXL)	-GET I/O REQ TBL ADDRESS	ZE000303
50*				-			ZE000304

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	021406	
1*	021406.00	000000.56	88	022027.20 50	T A4CB	L,TABSCH(TIXM),46	-GET THE CHANNEL ADDRESS	ZE000306
2*	021407.00 *	000011.04	90			KV, TX3, \$R	-COMPARE CHANNEL ADDRESSES	ZE000307
3*	021407.40	021417.32	C0			BZXE, TA4CC	-IF THEY ARE UNLIKE	ZE000308
4*	021410.00	000011.24	30			LV, TX1, \$R		ZE000309
5*	021410.40	000000.73	8A	004027.20 50		L, TUNITK(TX1), 46	-GET THE UNIT COUNT	ZE000310
6*	021411.40	000000.07	88	003027.30 10		-, TABSUN(TIXM), 46	-COMPUTE THE RELATIVE UNIT NUMBER	ZE000311
7*	021412.40	000011.15	90			KC, TIXJ, \$R	-COMPARE UNIT NUMBERS	ZE000312
8*	021413.00	021417.32	C0			BZXE, TA4CC	-IF UNLIKE UNITS	ZE000313
9*	021413.40	000000.00	88	001000.00 F0		CM0000, TASGNI(TIXM)	-ZERO THE ASSIGNED BIT -- UNIT BASIS	ZE000314
10*	021414.40	000000.02	88	001000.00 FC		CM0000, TPRINT(TIXM)	-RESET THE PRINT BIT	ZE000315
11*	021415.40	000000.46	88	001000.00 FC		CM0000, TASGNP(TIXL)	-ZERO THE ASSIGNED BIT -- JOB BASIS	ZE000316
12*	021416.40	021436.10	00			B, TA5MA	-THE UNIT IS NOW RELEASED	ZE000317
13*	021417.00	021406.21	48		T A4CC	CB+, TIXM, TA4CB	-IF UNLIKE UNIT/CHAN NUMBER	ZE000318
14*	021417.40	021401.10	00			B, TA4CA	-COULD NOT FIND RESERVED UNIT	ZE000319
15*								ZE000320
16*								ZE000321
17*								ZE000322
18*								ZE000323
19*	021420.00	021357.15	48		T B3	CB+, TIXJ, TC3A		ZE000324
20*	021420.40	232227.35	80	021423.34 04		BZBZ, TINDC, TA3F1	-IF IND -C- IS OFF	ZE000325
21*	021421.40	232227.36	80	001000.36 F0		CM1111, TINDD	-SET THE OPTIMUM REEL MTNG BYPASS IND	ZE000326
22*	021422.40 *	021356.50	C0			B, TC3		ZE000327
23*								ZE000328
24*	021423.00	000025.12	10		T A3F1	LX, TIXB, TIXB		ZE000329
25*	021423.40	021245.70	42			BXCZ, TB2	-IF THERE ARE NO MULTI UNITS AVAILABLE	ZE000330
26*	021424.00	021340.12	C8			CBH, TIXB, TA3D	-GET THE NEXT CHANNEL	ZE000331
27*								ZE000332
28*							IN THE CASE OF AN INDEX RUNOUT	ZE000333
29*								ZE000334
30*	021424.40	232227.32	80	021427.74 02		BB, TMODE, TABBN	-CONTINUE IF NOT OVERLAP	ZE000335
31*	021425.40	232227.41	80	021431.34 02		BB, TINDX, TAQX		ZE000336
32*	021426.40	232232.06	90			KV, TIXE, TPRUN	-OVERLAP, IS IT THE NEXT JOB TO BE RUN	ZE000337
33*	021427.00	021245.72	C0			BZXE, TB2	-NO, SO DO NOT ALLOW THE SAME CHANNEL	ZE000338
34*	021427.40	232227.33	80	021245.74 0A	T ABBN	BBN, TINDA, TB2	--SET THE SAME CHANNEL ALLOWED IND.	ZE000339
35*	021430.40	021337.10	00			B, TA3		ZE000340
36*								ZE000341
37*	021431.00	232227.33	80	001000.36 F0	T AQX	CM1111, TINDA	-AS TO ALLOW BOTH SPLIT CHAN AND SAME CHAN	ZE000342
38*	021432.00	021307.50	00			B, TAQ		ZE000343
39*								ZE000344
40*								ZE000345
41*								ZE000346
42*							MULTI - UNIT ASSIGNMENT	ZE000347
43*							MARK THE I/O UNIT RESERVED	ZE000348
44*							MARK THE I/O REQUEST ASSIGNED	ZE000349
45*	021432.40	000000.24	1F		T A5A	LX, TCTWDX, 0.0(\$15)	-CHECK THE MODE	ZE000350
46*	021433.00	021435.23	40			BZXF, TA5M1	-IF OVERLAP	ZE000351
47*								ZE000352
48*	021433.40	000000.76	86	001000.36 F0		CM1111, TUNRES(TIXJ)	-SET NOT OVERLAP RESERVED BIT	ZE000353
49*	021434.40	021436.10	00			B, TA5MA		ZE000354
50*	021435.00	000000.77	86	001000.36 F0	T A5M1	CM1111, TOVRES(TIXJ)	-SET THE OVERLAP RESERVED BIT	ZE000355

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021436	
1*	021436.00 *	000000.00	84	021723.34 OE	T A5MA	BB1,TASGNI(TIXA),TI	-SET THE ASSIGNED BIT -- I/O REQ TBL	ZE000357
2*	021437.00	000011.05	30			SV, TX3, \$R	-THE CHANNEL ADDRESS	ZE000358
3*	021437.40	000000.56	84	022027.20 DO		ST, TABSCH(TIXA), 46	-ABSOLUTE CHAN TO I/O REQ TABLE	ZE000359
4*	021440.40	215002.00	80	022027.30 1C		-(BU, 18), TCHSXW, 46	-COMPUTE THE CHANNEL NUMBER	ZE000360
5*	021441.40	022307.14	80	007027.20 DO		ST(BU, 7), TCOI+.12, 46		ZE000361
6*	021442.40	022272.14	80	007027.20 DO		ST(BU, 7), TCOI+.12, 46		ZE000362
7*	021443.40	000000.73	82	004027.20 50		L, TUNITK(TX3), 46	-COMPUTE REAL UNIT NUMBER	ZE000363
8*	021444.40	000026.52	80	004027.30 1C		-(BU, 4), TIXJ+0.42, 46		ZE000364
9*	021445.40	000000.07	84	003027.20 DO		ST, TABSUN(TIXA), 46	-TO THE I/O REQUEST TABLE	ZE000365
10*	021446.40	022307.57	80	003027.20 DO		ST(BU, 3), TCOI+.47, 46		ZE000366
11*	021447.40	022272.57	80	003027.20 DC		ST(BU, 3), TCOI+.47, 46		ZE000367
12*	021450.40	000000.03	84	021234.34 0C		BZB, TTYPE(TIXA), TA2A		ZE000368
13*	021451.40 *	000000.33	86	021234.34 02		BB, TFDISP(TIXJ), TA2A	-IF THERE IS NOTAPE MOUNTED	ZE000369
14*	021452.40	000000.32	86	021456.74 02		BB, STATI(TIXJ), TA5LC	-IF THE TAPE MOUNTED IS A SPECIFIC TP	ZE000370
15*	021453.40	000000.34	84	022000.07 70		CTOC11, TFREEL(TIXA)		ZE000371
16*	021454.40	021234.34	C2			BRZ, TA2A	-AND A THE REQUEST IS FOR A SCRATCH	ZE000372
17*	021455.00	022307.13	02			LCI, TIXB, T COT	-FOR DO NOT SAVE MESSAGE	ZE000373
18*	021455.40	000011.13	03			LRI, TIXB, UNAGN9		ZE000374
19*	021456.00	021457.50	00			B, TA5LC+1.0		ZE000375
20*								ZE000376
21*								ZE000377
22*	021456.40	022272.13	02		TA5LC	LCI, TIXB, T CAT	-FOR SAVE MESSAGES	ZE000378
23*	021457.00	000003.13	03			LRI, TIXB, UNAGN3		ZE000379
24*	021457.40	021465.53	70			SR, TIXB, TVARI		ZE000380
25*	021460.00	000000.13	56			SC, TIXB, 0.0(TIXJ)	-SET UP THE DUMMY UNIT AREA ADDR.	ZE000381
26*	021460.40	000000.40	86	001000.36 FO		CM1111, TCHOWN(TIXJ)	-AND SET TO MCP OWNER	ZE000382
27*	021461.40	000000.35	86	001000.00 FO		CM0000, TUNASG(TIXJ)	-ALSO SET ASSIGNED	ZE000383
28*	021462.40	000000.65	86	001000.00 FO		CM0000, SIMNT(TIXJ)	-RESET THE	ZE000384
29*	021463.40	000000.63	86	001000.00 FO		CM0000, SMCUNT(TIXJ)	-MOUNT BITS	ZE000385
30*	021464.40	000040.10	00		T IPL3	B, DMCP	-THEN UNLOAD WITH - SFREE -	ZE000386
31*	021465.00 *	000012.40	80			, DFREE		ZE000387
32*	021465.40	000011.00	80		T VARI	, UNAGN9	-MAY ALSO BE UNAGN3	ZE000388
33*	021466.00	000000.40	86	001000.00 FO		CM0000, TCHOWN(TIXJ)	-THEN RESET BACK TO PP OWNER	ZE000389
34*	021467.00	021234.10	00			B, TA2A		ZE000390
35*								ZE000391
36*							SINGLE UNIT ASSIGNMENT	ZE000392
37*							MARK THE I/O CHAN/UNIT RESERVED	ZE000393
38*							MARK THE I/O REQUEST ASSIGNED	ZE000394
39*								ZE000395
40*	021467.40	000000.24	1F		T A5S	LX, TCTWDX, 0.0(\$15)	-CHECK THE MODE	ZE000396
41*	021470.00	021472.23	42			BXF, TA5Z	-IF NOT OVERLAP	ZE000397
42*	021470.40	000000.77	82	001000.36 FO		CM1111, TOVRES(TX3)	-SET THE OVERLAP RESERVED BIT	ZE000398
43*	021471.40	021473.10	00			B, TA5SA		ZE000399
44*	021472.00	000000.76	82	001000.36 FO	T A5Z	CM1111, TUNRES(TX3)	-SET THE NOT OVERLAP RESERVED BIT	ZE000400
45*	021473.00	000000.00	84	021722.74 OE	T A5SA	BB1, TASGNI(TIXA), TH	-SET THE ASSIGNED BIT -- I/O REQ TBL	ZE000401
46*	021474.00	000011.05	30			SV, TX3, \$R	-THE CHAN/UNIT ADDRESS	ZE000402
47*	021474.40	000000.56	84	022027.20 DO		ST, TABSCH(TIXA), 46	-PLACE IN THE I/O REQ TBL	ZE000403
48*	021475.40	021245.50	00			B, TB2		ZE000404
49*								ZE000405
50*							CHECK TO SEE THAT ALL UNITS WERE ASSIGNED TO A GIVEN	ZE000406
51*							PP. IF SO MARK THE ASSIGNED BIT ON IN THE PP	ZE000407
52*							REFERENCE TABLE	ZE000408

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021476
1*	021476.00	000024.02	00	T A8	R,TIXA	-RELOAD -A-	ZE000410
2*	021476.40	000000.22	84	021500.34	00 T A8A	BZB,TLAST(TIXA),TA88B	ZE000411
3*	021477.40	232307.11	01			LVI,TIXA,TIOREQ	ZE000412
4*	021500.00 *	000000.00	84	021510.74	00 T A88B	BZB,TASGNI(TIXA),TA88B	ZE000413
5*	021501.00	021476.51	48			CB+,TIXA,TA8A	ZE000414
6*							ZE000415
7*							ZE000416
8*	021501.40	000000.46	83	001000.36	F0 T B8C	CM1111,TASGNP(TIXE)	ZE000417
9*	021502.40	000000.24	1F			LX,TCTWDX,0.0(\$15)	ZE000418
10*	021503.00	021723.63	42			BXF,TK	ZE000419
11*							ZE000420
12*	021503.40	000002.07	07		T B8Z	V+ICR,TIXE,2.0	ZE000421
13*	021504.00	021505.70	40			BZXCZ,T88A	ZE000422
14*	021504.40	232227.43	80	001000.22	B0	M+1,TLOCP1	ZE000423
15*	021505.40	232227.37	80	021172.34	02 T B8A	BB,TINDE,TA1	ZE000424
16*	021506.40	000000.24	1F			LX,TCTWDX,0.0(\$15)	ZE000425
17*	021507.00	021172.23	42			BXF,TA1	ZE000426
18*	021507.40	232226.07	10			SX,TIXE,TSAV	ZE000427
19*	021510.00	021172.10	00			B,TA1	ZE000428
20*							ZE000429
21*	021510.40	000000.24	1F		T A8B	LX,TCTWDX,0.0(\$15)	ZE000430
22*	021511.00	021662.23	42			BXF,TAREJX	ZE000431
23*	021511.40	000002.07	07		T B8	V+ICR,TIXE,2.0	ZE000432
24*	021512.00	232227.37	80	001000.36	F0	CM1111,TINDE	ZE000433
25*	021513.00	021172.30	40			BZXCZ,TA1	ZE000434
26*	021513.40 *	232227.43	80	001000.22	B0	M+1,TLOCP1	ZE000435
27*	021514.40	021172.10	00			B,TA1	ZE000436
28*							ZE000437
29*							ZE000438
30*							ZE000439
31*							ZE000440
32*							ZE000441
33*							ZE000442
34*							ZE000443
35*	021515.00	215002.24	10		T A9	LX,TIXF,TCHSXW	ZE000444
36*	021515.40	000000.00	8F	030000.00	F0	CM0000(BU,24),0.0(\$15)	ZE000445
37*	021516.40	215003.20	30			LV,TIXG,SBAMCP	ZE000446
38*	021517.00	022270.00	80	000003.02	A8	TI,1,TDSIC,UNAGN3(TIXG)	ZE000447
39*	021520.00	022271.00	80	000011.02	A8	TI,1,TDSIC+1.,UNAGN9(TIXG)	ZE000448
40*	021521.00	021162.20	10			LX,TIXG,TTYARA	ZE000449
41*	021521.40	000000.10	88	010000.00	F0 T CM9	CM0000,TMCAD (TIXG)	ZE000450
42*	021522.40	021163.20	D0			V+C,TIXG,TCOMBO	ZE000451
43*	021523.00	021521.70	40			BZXCZ,TCM9	ZE000452
44*							ZE000453
45*	021523.40	232227.22	80	007000.00	F0	CM0000,TLCHCT	ZE000454
46*	021524.40	232227.00	80	022000.00	F0	CM0000,TLUCT	ZE000455
47*	021525.40	232516.04	10			LX,TIXH,TMUCTX	ZE000456
48*	021526.00	000000.24	82	004000.00	F0 T A9A	CM0000,TCHCNT(TIXH)	ZE000457
49*	021527.00 *	000000.64	8A	004024.20	50	L,TEQUIP(TIXF),40	ZE000458
50*	021530.00	021562.74	C2			BRZ,TB9B	ZE000459

MACHINE CONFIGURATION CHANGE
ADJUST THE NECESSARY TABLES

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	021530
1*	021530.40	021163.00 80	030024.21 90	*(BU,24),TCOMBO,40	-COMPUTE LOC WITHIN TABLE	ZE000461
2*	021531.40	021163.40 80	030012.30 10	-(BU,24),T2COMB,20		ZE000462
3*	021532.40	000011.00 80	000012.20 50	L(BU,64),\$R,20	-LEFT SHIFT TO VF	ZE000463
4*	021533.40	000011.20 30		LV,TIXG,\$R		ZE000464
5*	021534.00	400000.00 80	401000.20 50	LI(BU,1),1	-AT LEAST GIVE A COUNT OF ONE	ZE000465
6*	021535.00	000000.64 8A	021537.34 00	BZB,TEQUIP(TIXF),T9M	-IF A NON TAPE CHAN	ZE000466
7*	021536.00	000000.73 8A	004000.20 50	L,TUNITK(TIXF)	-GET COUNT FOR MULTI CHAN	ZE000467
8*	021537.00	232513.00 88	010000.20 90	T 9M M+,TDISK(TIXG)	-ADD CONFIGURATION TO TABLE	ZE000468
9*	021540.00	000000.33 8A	021576.74 02	BB,TMULTI(TIXF),TA9D	-IF A MULTI CHANNEL	ZE000469
10*	021541.00	000000.31 8A	021544.34 02	BB,TCHAVL(TIXF),TA9B	-IF CHANNEL NOT AVAILABLE	ZE000470
11*	021542.00	000000.40 8A	021545.34 02	BB,TCHOWN(TIXF),TA9BA	-IF MCP LEVEL IT IS NOT AVAIL TO PP	ZE000471
12*	021543.00 *	000000.34 8A	021547.34 00	BZB,TUNAVL(TIXF),TB9	-IF UNIT IS AVAILABLE	ZE000472
13*	021544.00	000000.35 8A	021724.74 00	T A9B BZB,TUNASG(TIXF),TM	-IF THE UNIT IS ASSIGNED	ZE000473
14*	021545.00	021547.03 01		T A9BA LVI,TX1BR,TB9	-LOAD FOR SUB ROUTINE BRANCH	ZE000474
15*	021545.40	000000.76 8A	002000.07 70	CTOC11(BU,2),TUNRES(TIXF)	-IS UNIT RESERVED BY PP	ZE000475
16*	021546.40	021622.34 C0		BZRZ,TA10	-YES	ZE000476
17*	021547.00	000000.64 8A	004000.06 70	T B9 LF,TEQUIP(TIXF)		ZE000477
18*	021550.00	100000.00 80	404000.23 10	KFI(BU,4),2	-LOOK FOR CONSOLE	ZE000478
19*	021551.00	021555.76 C0		BZAE,TB9A	-NO	ZE000479
20*	021551.40	000032.20 30		LV,TIXG,TIXF		ZE000480
21*	021552.00	000030.30 80	001000.36 F0	CM1111(BU,1),TIXG+.24	-SET IX NEG SO TO SUB	ZE000481
22*	021553.00	215002.20 80		V+,TIXG,SXCHAN	-COMPUTE CONSOLE CHANNEL	ZE000482
23*	021553.40	000011.21 30		SV,TIXG,\$R		ZE000483
24*	021554.00	215006.02 80	021027.12 F0	SF(BU,17),SYCOCH+.2,46		ZE000484
25*	021555.00	021562.50 00		B,TB9B		ZE000485
26*	021555.40	240000.00 80	404000.23 10	T B9A KFI(BU,4),5	-LOOK FOR A PRINTER	ZE000486
27*	021556.40 *	021562.76 C0		BZAE,TB9B	-NO	ZE000487
28*	021557.00	000032.20 30		LV,TIXG,TIXF		ZE000488
29*	021557.40	000030.30 80	001000.36 F0	CM1111(BU,1),TIXG+.24	-SET IX NEG SO TO SUB	ZE000489
30*	021560.40	215002.20 80		V+,TIXG,SXCHAN	-COMPUTE THE PRINTER CHANNEL	ZE000490
31*	021561.00	000011.21 30		SV,TIXG,\$R		ZE000491
32*	021561.40	215006.42 80	021027.12 F0	SF(BU,17),SYPRCH+.2,46		ZE000492
33*	021562.40	021526.25 48		T B9B CB+,TIXF,TA9A		ZE000493
34*						ZE000494
35*					SAVE THE VALUES OF THE UNIT COUNT INDEX	ZE000495
36*						ZE000496
37*	021563.00	000000.45 0D		V-I,TIXH,0.32	-REDUCE BY A HALF	ZE000497
38*	021563.40	232521.05 10		SX,TIXH,TRCHSC		ZE000498
39*	021564.00	232521.30 80	001000.36 F0	CM1111(BU,1),TRCHSC+C.24	-SET THE IX NEG	ZE000499
40*	021565.00	232522.05 01		LVI,TIXF,TCHCUC	-MODIFY THE VALUE FIELD	ZE000500
41*	021565.40	232520.05 10		SX,TIXH,TFCHSC	-SAVE THE FORWARD SCAN INDEX	ZE000501
42*						ZE000502
43*					SORT THE UNIT COUNT TABLE	ZE000503
44*						ZE000504
45*						ZE000505
46*	021566.00	000022.24 10		T D9A LX,TIXF,TIXH	-LOAD TRANSIT INDEX	ZE000506
47*	021566.40	021575.70 42		BXCZ,TD9	-IF NO MULTI UNIT TABLE	ZE000507
48*	021567.00	000000.00 82	040020.06 70	LF(BU,32),0.0(TIXH),32	-LOAD ACC WITH THE TOP WORD	ZE000508
49*	021570.00	000000.24 8A	004024.23 10	TD9B KF,TCHCNT(TIXF),40		ZE000509
50*	021571.00	021573.77 40		BZAH,TD9C	-IF ACC IS THE SMALLER	ZE000510

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	021571
1*	021571.40	000000.20	3A		LV,TIXG,0.0(TIXF)		ZE000512
2*	021572.00 *	000000.00	8A	040020.20	DO	ST(BU,32),0.0(TIXF),32	ZE000513
3*	021573.00	000011.21	30		SV,TIXG,\$R		ZE000514
4*	021573.40	021570.24	C8	T D9C	CBH,TIXF,TD9B		ZE000515
5*	021574.00	000000.00	82	040020.20	DO	ST(BU,32),0.0(TIXH),32	ZE000516
6*	021575.00	021566.04	C8		CBH,TIXF,TD9A		ZE000517
7*				-			ZE000518
8*	021575.40	000000.24	1F	T D9	LX,TCTWCX,0.0(\$15)		ZE000519
9*	021576.00	021167.10	00		B,TB1F		ZE000520
10*				-			ZE000521
11*				-	MULTI UNIT SCAN		ZE000522
12*				-			ZE000523
13*	021576.40	000000.73	8A	004027.20	50	T A9D L,TUNITK(TIXF),46	ZE000524
14*	021577.40	000011.20	50			LC,TIXG,\$R	ZE000525
15*	021600.00	021547.30	42			BXCZ,TB9	ZE000526
16*	021600.40	000000.20	3A			LV,TIXG,TUNTBA(TIXF)	ZE000527
17*	021601.00	000000.31	8A	021604.34	02	T A9E BB,TCHAVL(TIXF),TA9F	ZE000528
18*	021602.00	000000.40	88	021605.34	02	BB,TCHDOWN(TIXG),TA9FA	ZE000529
19*	021603.00	000000.34	88	021617.74	00	BZB,TUNAVL(TIXG),TC9	ZE000530
20*	021604.00	000000.35	88	021725.34	00	T A9F BZB,TUNASG(TIXG),TN	ZE000531
21*	021605.00	021607.03	01			T A9FA LVI,TX1BR,TA9G	ZE000532
22*	021605.40 *	000000.76	88	002000.07	70	CTOC11(BU,2),TUNRES(TIXG)	ZE000533
23*	021606.40	021624.74	C0			BZRZ,TC10	ZE000534
24*	021607.00	021601.21	48			T A9G CB+,TIXG,TA9E	ZE000535
25*				-			ZE000536
26*				-	ADVANCE THE UNIT COUNT TABLE FOR ANOTHER CHANNEL		ZE000537
27*				-			ZE000538
28*				-			ZE000539
29*	021607.40	000000.24	82	004000.06	70	LF,TCHCNT(TIXH)	ZE000540
30*	021610.40	021547.34	C2			BRZ,TB9	ZE000541
31*	021611.00	232227.22	80	007000.22	B0	M+1,TLCHCT	ZE000542
32*	021612.00	000011.25	30			SV,TIXF,\$R	ZE000543
33*	021612.40	000000.00	82	022027.20	DO	ST,TCHADD(TIXH),46	ZE000544
34*	021613.40	000000.45	05			V+I,TIXH,0.32	ZE000545
35*	021614.00	000001.05	00			C+I,TIXH,1.0	ZE000546
36*	021614.40	232227.00	80	022000.23	10	KF,TLUCT	ZE000547
37*	021615.40	021547.37	40			BZAH,TB9	ZE000548
38*	021616.00	232227.00	80	022000.20	DO	ST,TLUCT	ZE000549
39*	021617.00	021547.10	00			B,TB9	ZE000550
40*				-			ZE000551
41*				-	ADD TO THE UNIT COUNT IN THE MULTI UNIT TABLE		ZE000552
42*				-			ZE000553
43*	021617.40	000000.64	8A	021607.34	00	T C9 BZB,TEQUIP(TIXF),TA9G	ZE000554
44*	021620.40 *	000000.24	82	004000.22	B0	M+1,TCHCNT(TIXH)	ZE000555
45*	021621.40	021607.10	00			B,TA9G	ZE000556

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-	MACHINE CONFIGURATION CHANGE, THE RESERVED BIT	ZE000558
2*				-	IS ON AND THE CHAN AND/OR UNIT IS DOWN	ZE000559
3*	021622.00	000000.76	8A 001000.00	FO T A10	CM0000,TUNRES(TIXF) -RESET THE UNIT RESERVED BIT	ZE000560
4*	021623.00	000000.77	8A 001000.00	FC	CM0000,TOVRES(TIXF) -RESET THE NOT OVER LAP RES BIT	ZE000561
5*	021624.00	021626.50	00		B,TA10A	ZE000562
6*				-		ZE000563
7*	021624.40	000000.76	88 001000.00	FO T C10	CM0000,TUNRES(TIXG) -RESET THE UNIT RESERVED BIT	ZE000564
8*	021625.40	000000.77	88 001000.00	FO	CM0000,TOVRES(TIXG) -RESET THE NOT OVERLAP RES BIT	ZE000565
9*				-		ZE000566
10*	021626.40	232232.16	10	T A10A	LX,TIXD,TPPRUN -SET FOR LOCATING NEXT JOB TO BE RUN	ZE000567
11*	021627.00	232227.42	80 001000.00	FO	CM0000,TLOOP -RESET THE LOOP INDICATOR	ZE000568
12*	021630.00	000000.47	87 000000.34	03 T B10A	BB,TLPPEN(TIXD),C.0(TX1BR) -IF LAST ENTRY IN PP REF TBL	ZE000569
13*	021631.00	000000.44	87 021645.34	02	BB,TJBPRO(TIXD),TB10 -IF THE JOB WAS PROCESSED	ZE000570
14*	021632.00	000000.34	87 010027.20	50	L,TUNCT(TIXD),46 -GET THE UNIT COUNT	ZE000571
15*	021633.00	021645.34	C2		BRZ,TB10 -IF A NON I/O TYPE JOB	ZE000572
16*	021633.40	000000.12	57		LC,TIXI,TCRREF(TIXD) -GET 18 BIT I/O REQ TBL ADD	ZE000573
17*	021634.00	000025.13	50		SC,TIXI,TIXI -SAVE ONLY 18 BITS	ZE000574
18*	021634.40 *	000011.12	50		LC,TIXI,\$R -UNIT COUNT TO CF	ZE000575
19*				-		ZE000576
20*				-		ZE000577
21*				-		ZE000578
22*	021635.00	000000.22	85 021636.74	00 T A11	BZB,TLAST(TIXI),TA11B	ZE000579
23*	021636.00	232307.13	01		LVI,TIXI,TIDREQ	ZE000580
24*	021636.40	000000.56	85 022027.20	50 T A11B	L,TABSCH(TIXI),46 -GET ABSOLUTE CHANNEL ADDRESS	ZE000581
25*	021637.40	000011.24	90		KV,TIXF,\$R -COMPARE CHANNEL ADDRESSES	ZE000582
26*	021640.00	021644.72	C0		BZXE,TB10B -IF UNLIKE	ZE000583
27*	021640.40	000000.03	85 021647.74	00	BZB,TTYPE(TIXI),TA11A -IF THE TYPE IS NOT TAPE	ZE000584
28*	021641.40	000000.73	8A 004027.20	50	L,TUNITK(TIXF),46	ZE000585
29*	021642.40	000000.07	85 003027.30	10	-,TABSUN(TIXI),46 -COMPUTE THE RELATIVE UNIT NUMBER	ZE000586
30*	021643.40	000011.21	90		KC,TIXG,\$R -COMPARE UNIT LOCATIONS	ZE000587
31*	021644.00	021647.72	C2		BXE,TA11A -IF LIKE	ZE000588
32*	021644.40	021635.13	48	T B10B	CB+,TIXI,TA11	ZE000589
33*	021645.00	000002.17	07	T B10	V+ICR,TIXD,2.0	ZE000590
34*	021645.40	021630.30	40		BZXCZ,TB10A -IF THE COUNT IS OK	ZE000591
35*	021646.00	232227.42	80 021630.34	0C	BZB1,TLCCP,TB10A -SET THE LOOP PREVENTER	ZE000592
36*	021647.00	021647.04	00		BD,\$ -MCP OR MACHINE ERROR	ZE000593
37*				-		ZE000594
38*	021647.40 *	000000.46	87 001000.00	FO T A11A	CM0000,TASGNP(TIXD) -RESET THE ASSIGNED BIT --- PP REF TBL	ZE000595
39*	021650.40	000000.00	85 001000.00	FO	CM0000,TASGNI(TIXI) -RESET THE ASSIGNED BIT --I/O REQ TBLE	ZE000596
40*	021651.40	000000.56	85 022000.00	FO	CM0000,TABSCH(TIXI) -ZERO THE CHANNEL ADDRESS	ZE000597
41*	021652.40	000000.07	85 003000.00	FO	CM0000,TABSUN(TIXI) -ZERO THE REL UNIT ADDRESS	ZE000598
42*	021653.40	000000.02	85 001000.00	FO	CM0000,TPRINT(TIXI) -RESET THE PRINT TO OPERATOR BIT	ZE000599
43*	021654.40	000000.01	85 001000.36	FO	CM1111,TUNOBT(TIXI) -RESET TO ONE THE NOT OVERLAP BIT	ZE000600
44*	021655.40	232227.42	80 021644.74	02	BB,TLOOP,TB10B -IF IX WAS REFILLED -- BRANCH	ZE000601
45*	021656.40	232512.16	90		KV,TIXD,TVALVF -SHALL WE RESET THE VALID CHK PTR	ZE000602
46*	021657.00	021660.32	40		BZXL,TB11C -NO	ZE000603
47*	021657.40	232512.17	30		SV,TIXD,TVALVF -YES --	ZE000604
48*	021660.00	232226.16	90	TB11C	KV,TIXD,TSAV -DOES THE TSAV PTR. NEED RESETTING	ZE000605
49*	021660.40	021644.72	40		BZXL,TB10B -DO NOT PLACE IXH IN TSAV IF IX GREATR	ZE000606
50*	021661.00	232226.17	10		SX,TIXD,TSAV -DO PLACE IX IN TSAV IF LESS	ZE000607
51*	021661.40	021644.50	00		B,TB10B -LOOK FOR MORE	ZE000608
52*				-		ZE000609

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATIONN	021662
1*	021662.00	021753.25	01	TAREJX	LVI, TX1, TMESSY		ZE000611
2*	021662.40	000001.25	33		SV, TX1, 1. (TIXE)		ZE000612
3*	021663.00	000024.02	00	T AREJ	R, TIXA		ZE000613
4*	021663.40 *	021716.70	42		BXCZ, TAREJ6		ZE000614
5*	021664.00	000000.45	83		001000.36 FO CM1111, TRJECT(TIXE)		ZE000615
6*	021665.00	000000.56	84	T AREJ1	L, TABSCH(TIXA), 46		ZE000616
7*	021666.00	000011.24	30		LV, TX1, \$R		ZE000617
8*	021666.40	021676.34	C2		BRZ, TAREJN		ZE000618
9*	021667.00	000000.33	8A		021711.34 00 BZB, TMULTI(TX1), TAREJ3		ZE000619
10*	021670.00	215002.00	80		022027.30 10 -(BU, 18), TCHSXW, 46		ZE000620
11*	021671.00	022272.14	80		007027.20 DC ST(BU, 7), TCAT+.12, 46		ZE000621
12*	021672.00	000000.00	8A		022027.20 50 L, TUNTBA(TX1), 46		ZE000622
13*	021673.00	000011.24	30		LV, TX1, \$R		ZE000623
14*	021673.40	000000.07	84		003027.20 50 L, TABSUN(TIXA), 46		ZE000624
15*	021674.40	022272.57	80		003027.20 D0 ST(BU, 3), TCAT+.47, 46		ZE000625
16*	021675.40	000011.24	80		V+, TX1, \$R		ZE000626
17*	021676.00	000000.34	84	T AREJN	L, TFREEL(TIXA), 46		ZE000627
18*	021677.00 *	021711.34	C2		BRZ, TAREJ3		ZE000628
19*	021677.40	000011.04	30		LV, TX3, \$R		ZE000629
20*	021700.00	000000.22	02		Z, 0.0(TX3)		ZE000630
21*	021700.40	000000.00	84		021711.34 00 BZB, TASGNI(TIXA), TAREJ3		ZE000631
22*	021701.40	022272.25	02		LCI, TX1, TCAT		ZE000632
23*	021702.00	000000.25	5A		SC, TX1, 0.0(TX1)		ZE000633
24*	021702.40	000000.35	8A		001000.00 FO CM0000, TUNASG(TX1)		ZE000634
25*	021703.40	000000.40	8A		001000.36 FO CM1111, TCHOWN(TX1)		ZE000635
26*	021704.40	000000.65	8A		001000.00 FO CM0000, SIMNT(TX1)		ZE000636
27*	021705.40	000000.63	8A		001000.00 FO CM0000, SMOUNT(TX1)		ZE000637
28*	021706.40	000040.10	00	T IPL4	B, DMCP		ZE000638
29*	021707.00	000012.40	80		, DFREE		ZE000639
30*	021707.40	000003.00	80		, UNAGN3		ZE000640
31*	021710.00	000000.40	8A		001000.00 FO CM0000, TCHOWN(TX1)		ZE000641
32*	021711.00	000000.22	04	T AREJ3	Z, 0.0(TIXA)		ZE000642
33*	021711.40	000000.25	05		V+I, TX1, 0.0		ZE000643
34*	021712.00	021714.71	42		BXVZ, TAREJ4		ZE000644
35*	021712.40 *	000000.76	8A		021714.74 06 BBZ, TUNRES(TX1), TAREJ4		ZE000645
36*	021713.40	000000.77	8A		001000.00 FO CM0000, TOVRES(TX1)		ZE000646
37*	021714.40	000001.22	84	T AREJ4	021716.34 00 BZB, TLAST+1.0(TIXA), TAREJ5		ZE000647
38*	021715.40	232306.11	01		LVI, TIXA, TIOREQ-1.0		ZE000648
39*	021716.00	021665.11	48	T AREJ5	CB+, TIXA, TAREJ1		ZE000649
40*	021716.40	021757.03	80	TAREJ6	022123.34 06 BBZ, YSCRBT, TP1BA		ZE000650
41*	021717.40	000000.24	1F		LX, TCTWDX, 0.0(\$15)		ZE000651
42*	021720.00	021503.63	40		BZXF, TB8Z		ZE000652
43*	021720.40	021724.10	00		B, TL		ZE000653
44*	021721.00	021763.10	00	T D	B, TSCRIB		ZE000654
45*	021721.40	021763.10	00	T F	B, TSCRIB		ZE000655
46*	021722.00	021763.10	00	T G	B, TSCRIB		ZE000656
47*	021722.40	021722.44	00	T H	BD, \$		ZE000657
48*	021723.00	021723.04	00	T I	BD, \$		ZE000658
49*	021723.40	021763.10	00	T K	B, TSCRIB		ZE000659
50*	021724.00	022104.50	00	T L	B, TPICA		ZE000660
51*	021724.40	021724.44	00	T M	BD, \$		ZE000661
52*	021725.00	021725.04	00	T N	BD, \$		ZE000662
53*	021725.40	021725.44	00	T P	BD, \$		ZE000663

LINE	LOCATION	BINARY CUTPUT	NAME	STATEMENT	LOCATION
1*			-		ZE000665
2*			-		ZE000666
3*			-	A PRINT SUB - ROUTINE THAT WILL PRINT ASSIGNMENTS	ZE000667
4*			-		ZE000668
5*			-		ZE000669
6*			-		ZE000670
7*			-		ZE000671
8*			-		ZE000672
9*	021726.00 *		T BUF01	(IQSX)DD(BU,64,8), --- SET UP THE FOLLOWING UNITS --- X	ZE000673
10*	021733.00		T MBLK	(IQSX)DD(BU,64,8), X-BLANK MASK	ZE000674
11*	021734.00	0000174733321303310621	T BUFBI	DD(BU),(16)000F9DCB68B0D9191 -BYPASS IN RED	ZE000675
12*	021735.00			(IQSX)DD(BU), MOUNT - REEL NUMBER X	ZE000676
13*	021737.50		T REELX	(IQSX)DD(BU,64,8), X	ZE000677
14*	021740.50 *			(IQSX)DD(BU,64,8), ON CHANNEL X	ZE000678
15*	021742.10		T CHANX	(IQSX)DD(BU,24,8), X	ZE000679
16*	021742.40			(IQSX)DD(BU,36,8), UNIT X	ZE000680
17*	021743.20		T UNITX	(IQSX)DD(BU), X	ZE000681
18*	021744.00	0000270730142500105617		DD(BU),(16)00171D8315008B8F	ZE000682
19*	021745.00	1046230521062300000000		DD(BU),(16)899315119300C000	ZE000683
20*	021746.00		T SCRAT	(IQSX)DD(BU,64,8), SCRATCH X	ZE000684
21*	021747.00		T SUBHD	(IQSX)DD(BU,8,8), -- PROBLEM PROGRAM --- X	ZE000685
22*	021752.00		T PID	(IQSX)DD(BU,64,8), X	ZE000686
23*				CNOP	ZE000687
24*	021753.00 *		T MESSY	(A*)DD(BU), I/O REQ. INCOMP WITH MACH CNF.*	ZE000688
25*			-		ZE000689
26*	000022.00+	+00000000	BU,100,10	T XA SYN,\$2	ZE000690
27*	000023.00+	+00000000	BU,100,10	T XB SYN,\$3	ZE000691
28*	000024.00+	+00000000	BU,100,10	T XC SYN,\$4	ZE000692
29*	000025.00+	+00000000	BU,100,10	T IXZ SYN,\$5	ZE000693
30*	000026.00+	+00000000	BU,100,10	T IXY SYN,\$6	ZE000694
31*	021757.00		0 T HEAD	DD(BU,1),0	ZE000695
32*	021757.01		0 T SBHDI	DD(BU,1),0	ZE000696
33*	021757.02		0 T NGATE	DD(BU,1),0	ZE000697
34*	021757.03		0 YSCRBT	DD(BU,1),(2)0	ZE000698
35*	021760.00	000000.00+ 000 000000 000000	T P5IN	XW	ZE000699
36*	021761.00	000000.00+ 000 000000 000000	T P5OUT	XW	ZE000700
37*	021762.00	000000.00+ 000 000000 000000	T PSAV	XW	ZE000701

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		ZE000703
2*			-		ZE000704
3*			-	SCAN THE PP REF TABLE FOR NEW ASSIGNMENTS	ZE000705
4*			-		ZE000706
5*			-		ZE000707
6*	021763.00	232232.04 10	T SCRIB	LX, TXA, TPPRUN	ZE000708
7*	021763.40	000000.47 82 022100.74 02	T P6	BB, TLPPEN(TXA), TP1	ZE000709
8*	021764.40	000000.44 82 022076.74 02		BB, TJBPRO(TXA), TP2	ZE000710
9*	021765.40	000000.45 82 022076.74 02		BB, TRJECT(TXA), TP2	ZE000711
10*			-		ZE000712
11*	021766.40	000000.06 32		LV, TXB, TCRREF(TXA) -GET CRSS REF ADDRESS	ZE000713
12*	021767.00	000000.34 82 010027.20 50		L, TUNCT(TXA), 46	ZE000714
13*	021770.00	000011.06 50		LC, TXB, \$R	ZE000715
14*	021770.40 *	022076.70 42		BXCZ, TP2	ZE000716
15*	021771.00	000001.00 82 060600.06 70		LF, TPNAME(TXA) -GET PP NAME	ZE000717
16*	021772.00	021760.00 80 000000.12 F0		SF(BU, 64, 8), TP5IN -SAVE FOR CONVERSION	ZE000718
17*	021773.00	021762.37 10		SX, \$15, TPSAV	ZE000719
18*	021773.40	021774.77 01		LVI, \$15, TP6A -SET UP FOR CONV ROUTINE	ZE000720
19*	021774.00	230566.04 00		BD, SABICS	ZE000721
20*	021774.40	021760.00+	T P6A	VF, TP5IN -FWA IN	ZE000722
21*	021775.00	000010		CF, 8 - N	ZE000723
22*	021775.40	021761.00+		VF, TP5OUT -FWA OUT	ZE000724
23*	021776.00	021776.40 00	T IPLB1	BE, \$+.32 -MODIFIED BY IPL	ZE000725
24*	021776.40	021761.00 80 000000.06 70		LF(BU, 64, 8), TP5OUT -GET THE CONVERTED WORD	ZE000726
25*	021777.40	021762.36 10		LX, \$15, TPSAV -RESTORE INDEX	ZE000727
26*	022000.00	021752.00 80 000000.12 F0		SF, TPID	ZE000728
27*			-		ZE000729
28*	022001.00	000000.22 83 022002.74 00	T P5	BZB, TLAST(TXB), TP5Z	ZE000730
29*	022002.00	232307.07 01		LVI, TXB, TIREQ	ZE000731
30*	022002.40	000000.00 83 022076.34 00	T P5Z	BZB, TASGNI(TXB), TP3	ZE000732
31*	022003.40 *	000000.03 83 022076.34 00		BZB, TTYPE(TXB), TP3	ZE000733
32*			-		ZE000734
33*	022004.40	000000.56 83 022027.20 50		L, TABSCH(TXB), 46 -GET THE CHANNEL STATUS WORD	ZE000735
34*	022005.40	000011.10 30		LV, TXC, \$R	ZE000736
35*	022006.00	000000.10 34		LV, TXC, C.0(TXC) -GET ADDRESS OF UNIT TABLE	ZE000737
36*	022006.40	000000.07 83 003027.20 50		L, TABSUN(TXB), 46 -GET THE UNIT NUMBER	ZE000738
37*	022007.40	000011.10 80		V+, TXC, \$R -ADD TO VF TO GET UNIT STATUS WORD	ZE000739
38*	022010.00	000000.02 83 022013.34 00		BZB1, TPRINT(TXB), TP5A	ZE000740
39*			-		ZE000741
40*	022011.00	000000.76 84 022076.34 00		BZB, TUNRES(TXC), TP3 -IF OVERLAP RESERVED -- ONLY --	ZE000742
41*	022012.00	000000.02 83 022076.34 06		BBZ, TPRINT(TXB), TP3 -RESET THE PRINT BIT AND GO	ZE000743
42*			-		ZE000744

LINE	LCCATCN	BINARY	OUTPUT	NAME	STATEMENT	LOCATION
1*						ZE000746
2*						ZE000747
3*					CONVERT THE CHANNEL FIELDS	ZE000748
4*	022013.00	C00000.24	1F	TP5A	LX,TCTWDX,0.0(\$15)	-CHECK THE MODE
5*	022013.40	022015.23	40		BZXF,TP5A1	ZE000749
6*	022014.00	021106.05	C4		KVI,TXA,TPURFT	ZE000750
7*	022014.40	022076.32	C0		BZXE,TP3	ZE000751
8*	022015.00	000000.56	83	T P5A1	\$L,TABSCH(TXB),-60	-LOAD FOR ABS CHANNEL CONVERSION
9*	022016.00	215002.00	80		\$-(BU,18),TCHSXW,-60	ZE000752
10*	022017.00 *	232225.01	80		\$SF(BU,18),TIPL+1,-60	-TO SAVE THE CHAN FOR IPL PRINT
11*	022020.00	C00000.00	80		\$CV(BU,18),0.0,-32	ZE000753
12*	022021.00	C00010.24	80		LF(BU,12,4),\$L+.20,1	-CONVERT TO 8 BIT BYTE
13*	022022.00	600000.00	80		LFI(BU,2),3,5	-GET THE IQS LEAD BITS
14*	022023.00	600000.00	80		LFI(BU,2),3,13	-GET THE IQS LEAD BITS
15*	022024.00	021742.10	80		CM0101,TCHANX	ZE000754
16*						ZE000755
17*	022025.00	C00000.07	83		CO011,TABSUN(TXB),1	-GET UNIT NUMBER
18*	022026.00	600000.00	80		LFI(BU,2),3,5	-GET THE IQS LEAD BITS
19*	022027.00	021743.20	80		CM0101(BU,8,8),TUNITX	ZE000756
20*						ZE000757
21*						ZE000758
22*	022030.00	000000.50	84		CM1111,TVER(TXC)	-SET THE VERIFY BIT
23*	022031.00	000000.34	83		LF,TFREEL(TXB),46	-GET THE FIRST REEL ADDRESS
24*	022032.00	022050.74	C2		BRZ,TPSCR	-SCRATCH TAPE REQUEST
25*	022032.40	000011.12	30		LV,TIXZ,\$R	ZE000759
26*						ZE000760
27*	022033.00 *	000000.00	85		CO011(BU,48,6),TREELN(TIXZ)	ZE000761
28*						ZE000762
29*	022034.00	021762.37	10	T P5A2	SX,\$15,TPSAV	ZE000763
30*	022034.40	021760.00	80		SF(BU,64,8),TP5IN	-SAVE FOR CONVERSION
31*	022035.40	022036.77	01		LVI,\$15,TP5A3	-SET UP TO GO TO IQS CONV RTNE
32*	022036.00	230566.04	00		BD,SA8IQS	ZE000764
33*	022036.40	021760.00+		T P5A3	VF,TP5IN	-FWA IN
34*	022037.00	C0001C			CF,8	-N
35*	022037.40	C21761.00+			VF,TP5OUT	-FWA OUT
36*	022040.00	022040.40	00	T IPLB2	BE,\$+.32	-MODIFIED BY IPL
37*	022040.40	021761.00	80		LF(BU,64,8),TP5OUT	-GET THE CONVERTED WORD
38*	022041.40	021737.50	80		SF(BU,40,8),TREELX	-SET UP IQS REEL NUMBER
39*	022042.40	021762.36	10		LX,\$15,TPSAV	-RESTORE
40*						ZE000770
41*	022043.00	021733.00	80		CO011,TMBLK,64	-GET ACC FULL CF BLANKS
42*	022044.00	021740.20	80		CM0101(BU,24,8),TREELX+.40,64	ZE000771
43*	022045.00	000000.33	84		CM0000,TFDISP(TXC)	-SET TO TAPE MOUNTED
44*	022046.00 *	000000.32	84		CM1111,STATI(TXC)	-SET TO TAPE MTED- SPECIFIC
45*	022047.00	000000.00	85		LF(BU,48,6),TREELN(TIXZ)	-RESET ACC FOR REEL PROTECT TEST
46*	022050.00	C22056.10	00		B,TP4	ZE000772
47*						ZE000773
48*	022050.40	C00000.32	84	TPSCR	CT0011(BU,2),STATI(TXC)	ZE000774
49*	022051.40	022076.34	C2		BRZ,TP3	ZE000775
50*	022052.00	021746.00	80		CO011,TSCRAT	-GET THE SCRATCH TAPE WORD
51*	022053.00	021737.50	80		CM0101,TREELX	-BUILD WORD
52*	022054.00	022132.07	80		CO011(BU,6,6),TNOP,56	-GET NOT FILE PROTECT MASK
53*	022055.00	C00000.32	84		CM0000(BU,2),STATI(TXC)	-SET TO TAPE MTED- SCRATCH
54*						ZE000776
55*	022056.00	C00000.63	84	TP4	CM1111,SMOUNT(TXC)	-SET MOUNT BIT AND
56*	022057.00	000000.65	84		CM1111,SIMNT(TXC)	-THE INITIAL MOUNT BIT

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	022060
1*	022060.00	00000.15 01		LVI,TIXY,0		-INITIALIZE TO NON PROTECT ZE000802
2*	022060.40	00001.13 01		LVI,TIXZ,1.0		-SET UP FOR OVERLAP ZE000803
3*	022061.00	00000.24 1F		LX,TCTWDX,0.0(\$15)		-CHECK FOR MODE ZE000804
4*	022061.40	022063.23 42		BXF,TP4A		-IF BY-PASS MODE ZE000805
5*	022062.00 *	00000.01 83	022064.34 00	BZB,TUNOBT(TXB),TP7		-IF NOT A SINGLE NOT OVERLAP CASE ZE000806
6*	022063.00	00000.13 01	T P4A	LVI,TIXZ,0.0		-SET UP FOR BY-PASS MOUNT ZE000807
7*	022063.40	00001.15 05		V+I,TIXY,1.0		-GET ALL OF MESSAGE PLUS ZE000808
8*						ZE000809
9*						ZE000810
10*						ZE000811
11*	022064.00	022132.07 80	006634.23 10	T P7	KF,TNCP,56	-LOOK FOR NON - PROTECT ZE000812
12*	022065.00	022066.36 C2			BAE,TWRITE	-IF NOT PROTECTED ZE000813
13*	022065.40	00002.15 05			V+I,TIXY,2.0	ZE000814
14*	022066.00	021757.00 80	022071.34 0E	T WRITE	BB1,THEAD,TPENY	-CHECK FOR MAJOR HEADING ZE000815
15*	022067.00	000040.10 00			B,DMCP	-WRITE THE MAJOR HEADING ZE000816
16*	022067.40	000043.40 80			,DCCMM	ZE000817
17*	022070.00	021726.00 80			,TBUF01	ZE000818
18*	022070.40	00005.00 80			,5.C	ZE000819
19*	022071.00	021757.01 80	022074.34 0E	T PENY	BB1,TSBHDI,TPEN	ZE000820
20*	022072.00	000040.10 00			B,DMCP	-WRITE THE SUB HEADING ZE000821
21*	022072.40	000043.40 80			,DCCMM	ZE000822
22*	022073.00	021747.00 80			,TSUBHD	ZE000823
23*	022073.40	00004.00 80			,4.C	ZE000824
24*	022074.00	000040.10 00		T PEN	B,DMCP	-WRITE THE MOUNTING PROCEDURES ZE000825
25*	022074.40	000043.40 80			,DCCMM	ZE000826
26*	022075.00	021734.00 85			,TBUF01(TIXZ)	ZE000827
27*	022075.40 *	00007.00 86			,7.(TIXY)	ZE000828
28*	022076.00	022001.07 48		T P3	CB+,TXB,TP5	ZE000829
29*	022076.40	00002.05 07		T P2	V+ICR,TXA,2.0	ZE000830
30*	022077.00	021757.01 80	001000.00 F0		CM0000(BU,1),TSBHDI	ZE000831
31*	022100.00	021763.50 00			B,TP6	ZE000832
32*	022100.40	021757.00 80	002000.00 F0	T P1	CM0000(BU,2),THEAD	-ZERO THE IND ZE000833
33*	022101.40	00000.24 1F			LX,TCTWDX,0.0(\$15)	-CHECK THE MODE ZE000834
34*	022102.00	022104.63 40			BZXF,TPICA	-IF OVERLAP PROCEED ONWARD ZE000835
35*	022102.40	021757.02 80	022104.74 0A		BBN,TNGATE,TPICA	-IF SECOND PASS ZE000836
36*	022103.40	232230.04 10			LX,TXA,TPPURF	-SET UP FOR THE NOT OVERLAP ZE000837
37*	022104.00	021763.50 00			B,TP6	-FOR NOT OVERLAP RE-ITERATION ZE000838
38*						ZE000839
39*						ZE000840
40*						LOOK AHEAD -N- JOBS AND DETERMINE THE STATUS ZE000841
41*						ZE000842
42*	022104.40	00000.77 8F	022127.34 02	T PICA	BB,.63(\$15),TP1A	-IF SPECIAL ASSIGN ENTRY ZE000843
43*	022105.40	232232.20 10			LX,TIXG,TPPRUN	-GET NEXT JOB TO BE RUN ZE000844
44*	022106.00	00000.24 1F			LX,TCTWDX,0.0(\$15)	-CHECK MODE ZE000845
45*	022106.40	022107.63 40			BZXF,TPIC	-IF OVERLAP ZE000846
46*	022107.00	232230.20 10			LX,TIXG,TPPURF	-IF NOT OVERLAP ZE000847
47*	022107.40	00000.34 8F	022000.00 F0	T PIC	CM0000(BU,18),.28(\$15)	-CLEAR THE ENTIRE RETURN DISPO FIELD ZE000848
48*	022110.40	232224.61 30			SV,TIXG,TNEXT	-SAVE THE ADDR OF THE NEXT PP TO FUN ZE000849
49*	022111.00 *	00000.47 88	022113.74 00		BZB,TLPEN(TIXG),TP1B	-IF MORE JOBS ZE000850
50*	022112.00	00000.55 8F	001000.36 F0		CM1111(BU,1),0.45(\$15)	ZE000851
51*	022113.00	022127.10 00			B,TP1A	ZE000852
52*	022113.40	00000.46 88	022127.34 02	TP1B	BB,TASGNP(TIXG),TP1A	-IF THE PP IS ASSIGNED ZE000853
53*	022114.40	00000.10 38			LV,TIXA,TCRREF(TIXG)	-COMPUTE THE IC REQ TBL ADDR ZE000854
54*	022115.00	00000.34 88	010027.20 50		L,TUNCT(TIXG),46	-AND THE NUMBER OF I/O UNITS REQUESTED ZE000855
55*	022116.00	000011.10 50			LC,TIXA,\$R	-AS TO ENABLE ASSIGN TO ZE000856
56*	022116.40	022123.30 42			BXCZ,TP1BA	-DONT TRY TO CLEAR A NON IOD PP ZE000857

LINE	LOCATICN	BINARY OUTPUT	NAME	STATEMENT	LOCATION	022117
1*	022117.00	021757.03 80	001000.36 FO	CM1111,YSCRBT		ZE000858
2*	022120.00	000030.06 10		LX,TIXE,TIXG		ZE000859
3*	022120.40	021105.11 03		LRI,TIXA,TREFIL		ZE000860
4*	022121.00	021105.11 10		SX ,TIXA,TREFIL		ZE000861
5*	022121.40	000000.45 88	021663.34 OE	BB1,TRJECT(TIXG),TAREJ	-CLEAR OUT THE PRE-REJECTED JOB	ZE000862
6*	022122.40	021662.10 00		B,TAREJX		ZE000863
7*	022123.00	000000.44 88	001000.36 FO	T P1BA	CM1111,TJBPRO(TIXG)	-IF SO SET JOB PROCESSED BIT TO ONE
8*	022124.00 *	000000.34 8F	001000.36 FO		CM1111(BU,1),0.28(\$15)	-SET THE DISPOSITION BIT
9*	022125.00	000000.24 1F			LX,TCTWDX,0.0(\$15)	-ACTIVATE THE MODE
10*	022125.40	022127.23 42			BXF,TPIA	-AS TO CHECK MODE-- IF NOT OVERLAP
11*	022126.00	000002.21 07			V+ICR,TIXG,2.0	-UP DATE THE PCINTER
12*	022126.40	232232.21 10			SX,TIXG,TPPRUN	-AND SAVE
13*	022127.00	000021.00 80	021063.30 EO	T P1A	SWAPI,12,\$1,TASAVE	-RESTORE INDEXES
14*	022130.00	000001.10 0F			B,1.00(\$15)	-RETURN

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	022130
1*	022130.40 *		SLC,\$			ZF000001
2*			PRND			ZF000002
3*			-			ZF000003
4*			-	I/O ASSIGNMENT --- MOVE ---		ZF000004
5*			-			ZF000005
6*			-			ZF000006
7*			-			ZF000007
8*			-	THE MOVE PROGRAM LINKAGE FORMAT		ZF000008
9*			-			ZF000009
10*			-	LVI,\$15,Z		ZF000010
11*			-	B,TMOVE		ZF000011
12*			-	Z XW,A,B,C,D		ZF000012
13*			-	BEW,\$	RETURN LOCATION	ZF000013
14*			-			ZF000014
15*			-	LET A = FWA OF THE ICD BREAKDOWN		ZF000015
16*			-	+ = STANDARD ENTRY		ZF000016
17*			-	- = INITIAL ENTRY		ZF000017
18*			-	LET B = RETURN DISPOSITION		ZF000018
19*			-	LET C = STATUS OF NEXT JOB		ZF000019
20*			-	ZERO = ACCEPT NEXT JOB		ZF000020
21*			-	ONE = REJECT NEXT JOB		ZF000021
22*			-	LET D = MODE		ZF000022
23*			-	ZERO = OVERLAP MODE		ZF000023
24*			-	NOT ZERO = NOT OVERLAP MODE		ZF000024
25*			-	LET BIT .26 = OWNERSHIP		ZF000025
26*			-	ZERO = PP OWNER		ZF000026
27*			-	NOT ZERO = MCP OWNER		ZF000027

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					ZF000029
2*				HOW THE UTILITY TABLES ARE COMPUTED AND PLACED	ZF000030
3*					ZF000031
4*					ZF000032
5*			WHEREAS,-	B=S	ZF000033
6*				S+R=F	ZF000034
7*				F+(I*7)=U	ZF000035
8*				U+(R*9)=P	ZF000036
9*				P+N=TMARK	ZF000037
10*					ZF000038
11*			LET,-	B = THE -B- LIMIT FROM THE LIM CARD	ZF000039
12*				S = THE FIRST WORD OF THE SYMBOLIC I/O LOC TABLE	ZF000040
13*				R = THE LARGEST REFERENCE NUMBER PER PP	ZF000041
14*				F = THE FIRST LOC OF THE FILE AREA TABLE	ZF000042
15*				I = THE NUMBER OF I/O CARDS SUBMITTED BY PP	ZF000043
16*				U = THE FIRST LOC OF THE UNIT AREA TABLE	ZF000044
17*				R = THE NUMBER OF DIFFERENT I/O UNITS REQUESTED BY PP	ZF000045
18*				P = THE FIRST ADDRESS OF THE REEL POOL TABLE	ZF000046
19*				N = THE NUMBER OF INDIVIDUAL REEL REQUEST	ZF000047
20*				TMARK = THE NEXT SLOT AVAILABLE FOR USE	ZF000048
21*					ZF000049

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			PRNS		ZF000051
2*			-		ZF000052
3*			-		ZF000053
4*			-	EXTRA CONSTANTS FOR THE PROGRAM - MOVE -	ZF000054
5*			-		ZF000055
6*			-		ZF000056
7*	022130.40	000000.30 00	CNOP		ZF000057
8*	022131.00		007777 T MMAX	DD(BU,17),4095 -THE MAXIMUM ARC AVAILABLE ON DISK	ZF000058
9*	022131.21		T MIOD	(AX)DD(BU,24,6),IOD X -BCD CODE FOR IOD	ZF000059
10*	022131.51		T MREEL	(AX)DD(BU,24,6),REELX -BCD CODE FOR A REEL CARD	ZF000060
11*	022132.01		T LBL	(AX)DD(BU,6,6),LX -LABELED CHARACTER	ZF000061
12*	022132.07		T NCP	(AX)DD(BU,6,6),NX -NOT PROTECT CHARACTER	ZF000062
13*	022132.15		T M6BL	(AX)DD(BU,48,6), X	ZF000063
14*	022133.00	000000.00+	T ERFLG	VF,0 -IOD CARD ERROR INDICATOR	ZF000064
15*	022133.31		0 T MFREJ	DD(BU,1),0 -A ONE IF FREE IS ENTERED FROM MOVE	ZF000065
16*	215005.00+	+00000000	B ,31 ,01	T LIMB SYN,SBAPP -UPPER BOUNDARY OF A PP	ZF000066
17*	215007.40+	+00000000	B ,31 ,01	T SYRFT SYN,SSYRFT -THE ADDRESS OF THE TRACK AVAIL TO PP	ZF000067
18*	215225.00+	+00000000	B ,31 ,01	T BAMCP SYN,SMAXUB -FOR CHECKING THE UPPER LIMIT OF A PP	ZF000068
19*	215005.40+	+00000000	B ,31 ,01	T MAXRF SYN,SMAXRN -THE MAX REF NO. PER PP	ZF000069
20*	215012.40+	+00000000	B ,31 ,01	T MARK SYN,SMARK -THE NEXT VACANT REEL SLOT FOR PP	ZF000070
21*			-		ZF000071
22*	000021.00+	+00000000	BU,100,10	T MX1 SYN,\$1	ZF000072
23*	000022.00+	+00000000	BU,100,10	T MXA SYN,\$2 -PP REF WORD LOCATOR	ZF000073
24*	000023.00+	+00000000	BU,100,10	T MXB SYN,\$3 -I/O REQ TABLE PICK UP IX	ZF000074
25*	000024.00+	+00000000	BU,100,10	T MXC SYN,\$4 -SYMB I/O TABLE INDEX	ZF000075
26*	000025.00+	+00000000	BU,100,10	T MXD SYN,\$5 -FILE AREA TABLE INDEX	ZF000076
27*	000026.00+	+00000000	BU,100,10	T MXE SYN,\$6 -UNIT AREA TABLE INDEX	ZF000077
28*	000027.00+	+00000000	BU,100,10	T MXF SYN,\$7 -REEL POOL INDEX	ZF000078
29*	000030.00+	+00000000	BU,100,10	T MXG SYN,\$8 -TEMPORARY INDEX	ZF000079
30*	000031.00+	+00000000	BU,100,10	T MXEE SYN,\$9 -TEMPORARY INDEX	ZF000080
31*	000032.00+	+00000000	BU,100,10	T MXI SYN,\$10 -CONTROL WORD INDEX	ZF000081
32*	000033.00+	+00000000	BU,100,10	T MXGA SYN,\$11 -TEMPORARY INDEX	ZF000082
33*	000021.00+	+00000000	BU,100,10	T MXH SYN,TMX1	ZF000083
34*	000034.00+	+00000000	BU,100,10	T MLXA SYN,\$12 -CONVERSION ROUTINE INDEX	ZF000084
35*			-		ZF000085
36*			-		ZF000086
37*			-	SAVE AND RESTORE AREA FOR INDEXES	ZF000087
38*			-		ZF000088
39*			-		ZF000089
40*	022133.40	000000.30 00	CNOP		ZF000090
41*	022134.00 *	000017.00	T SICXW	DRZ(BU,64),(15)	ZF000091
42*			-		ZF000092
43*	022153.00	000000.00+	T DKSAV	VF,0 -ADDRESS OF THE UNIT TABLE	ZF000093
44*			-		ZF000094
45*			-		ZF000095
46*			-	THE UNIT NAME TABLE	ZF000096
47*			-		ZF000097
48*			-		ZF000098
49*	022154.00	022155.00+ 000 000000 000020	T UNXW	XW,TUNATB,0,\$0 -RESET INDEX	ZF000099
50*	022155.00 *	000062.00	T UNATB	DRZ(BU,64),(50) -THE CHAN/UNIT NAME TABLE	ZF000100
51*	000000.00+	+00000000	BU,60 ,10	T CHNM SYN(BU,48),0.0 -SYMBOLIC CHAN NAME	ZF000101

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	000000
1*	000000.74+	+00000000	BU,04 ,10	T UNTP SYN(BU,4),0.60	-THE EQUIP TYPE REQUESTED	ZF000103
2*	000000.60+	+00000000	BU,14 ,10	T UNREF SYN(BU,12),0.48	-REF NO IN THE UNIT NAME TABLE	ZF000104
3*	000031.00+	+00000000	BU,60 ,10	T UNME SYN(BU,48),25.0	-2ND TABLE -- UNIT NAME	ZF000105
4*	000031.60+	+00000000	BU,14 ,10	T CSKRF SYN(BU,12),25.48	-REF NUMBER OF NULL DISK OR TRACK	ZF000106
5*	000031.74+	+00000000	BU,01 ,10	T CTRK SYN(BU,1),25.60	-ONE IF TRACK - ZERO IF DISK	ZF000107
6*	000031.75+	+00000000	BU,03 ,10	T DKCT SYN(BU,3),25.61	-RELATIVE ADDRESS OF ALLOCATION COUNT	ZF000108
7*			-			ZF000109
8*			-	THE DISK ALLOCATION TABLE		ZF000110
9*			-			ZF000111
10*	022237.00	022240.00+ 000 000004 022237	T DCLR XW,TSBDF,4,\$	-INDEX WORD FOR CLEARING		ZF000112
11*	022240.00 *	000004.00	T SBDTB DRZ(BU,32),(8)			ZF000113
12*	022240.00+	+00000000	BU,21 ,10	T SBDFT SYN(BU,17),TSBDF	-DISK ALLOCATION TABLE	ZF000114
13*			-			ZF000115
14*			-	THE FORMAT OF THE IOD CARD BREAKDOWN TABLE		ZF000116
15*			-			ZF000117
16*			-			ZF000118
17*	000001.CC-	+00000000	BU,60 ,06	T JCNME SYN(BU,48,6),-1.0	-JOB NAME FORMAT FOR BREAKDOWN TBL	ZF000119
18*	000000.C0+	+00000000	BU,22 ,10	T IABEX SYN(BU,18),0.0	-THE ABSOLUTE EXIT ADDRESS	ZF000120
19*	000000.64+	+00000000	BU,14 ,10	T IREF SYN(BU,12),0.52	-THE REF NUMBER	ZF000121
20*	000001.00+	+00000000	BU,30 ,10	T IOP SYN(BU,24),1.0	-OP CODE FIELD	ZF000122
21*	000002.00+	+00000000	BU,52 ,10	T ITY SYN(BU,42),2.0	- THE TYPE FIELD	ZF000123
22*	000002.C0+	+00000000	BU,60 ,10	T IREEL SYN(BU,48),2.0	-FORMAT AND POSITION OF REEL NAME	ZF000124
23*	000002.73+	+00000000	BU,01 ,10	T ITRK SYN(BU,1),2.59	-TRACK CODE BIT	ZF000125
24*	000002.74+	+00000000	BU,04 ,10	T ITYCD SYN(BU,4),2.60	-THE TYPE FIELD CONVERTED	ZF000126
25*	000004.00+	+00000000	BU,60 ,10	T ICH SYN(BU,48),4.0	-CHANNEL FIELD	ZF000127
26*	000005.00+	+00000000	BU,60 ,10	T IUN SYN(BU,48),5.0	-THE UNIT FIELD	ZF000128
27*	000005.00+	+00000000	BU,60 ,10	T INO SYN(BU,48),5.0	-THE NUMBER FOR DISK	ZF000129
28*	000006.00+	+00000000	BU,36 ,10	T IMO SYN(BU,30),6.0	-THE MODE FIELD	ZF000130
29*	000006.76+	+00000000	BU,02 ,10	T IMOCD SYN(BU,2),6.62	-THE MODE FIELD CONVERTED	ZF000131
30*	000007.00+	+00000000	BU,14 ,10	T IDN SYN(BU,12),7.0	-THE DENSITY FIELD	ZF000132
31*	000007.76+	+00000000	BU,02 ,10	T IDNCD SYN(BU,2),7.62	-THE DENSITY FIELD CONVERTED	ZF000133
32*	000010.00+	+00000000	BU,36 ,10	T IDS SYN(BU,30),8.0	-THE DISP FIELD	ZF000134
33*	000010.76+	+00000000	BU,02 ,10	T IDSCD SYN(BU,2),8.62	-THE DISP FIELD CONVERTED	ZF000135
34*			-			ZF000136
35*			-			ZF000137
36*			-	SYN CARDS FOR THE UNIT AREA TABLE		ZF000138
37*			-			ZF000139
38*			-			ZF000140
39*	000000.00+	+00000011	BU,06 ,10	T UNLGN SYN(BU,6),9	-THE UNIT AREA TABLE LENGHT	ZF000141
40*	000000.14+	+00000000	BU,07 ,10	T CHANN SYN(BU,7),0.12	-THE CHANNEL NUMBER	ZF000142
41*	000000.57+	+00000000	BU,03 ,10	T UNITN SYN(BU,3),0.47	-THE UNIT NUMBER	ZF000143
42*	000001.06+	+00000000	BU,14 ,10	T IODK SYN(BU,12),1.6	-THE IOD COUNT	ZF000144
43*	000001.40+	+00000000	BU,32 ,10	T RMTC SYN(BU,26),1.32	-REMINDER MESSAGE TIME CONSTANT	ZF000145
44*	000003.00+	+00000000	BU,22 ,10	T FIAAC SYN(BU,18),3.0	-THE FILE AREA TABLE ACTIVATED	ZF000146
45*	000007.31+	+00000000	BU,01 ,10	T SYSTM SYN(BU,1),7.25	-SYSTEM TAPE IF A ONE	ZF000147
46*	000010.00+	+00000000	BU,22 ,10	T FRLAD SYN(BU,18),8.0	-FIRST FEEL ADDRESS	ZF000148
47*	000010.40+	+00000000	BU,22 ,10	T CREEL SYN(BU,18),8.32	-CURRENT REEL ADDRESS	ZF000149
48*	000010.71+	+00000000	BU,07 ,10	T REELK SYN(BU,7),8.57	-CURRENT REEL COUNT	ZF000150
49*			-			ZF000151
50*			-			ZF000152

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	
1*					ZF000154	
2*				SYN CARDS FOR FILE AREA TABLE	ZF000155	
3*					ZF000156	
4*					ZF000157	
5*	000000.00+	+00000007	BU,06 ,10	T FLLGN SYN(BU,6),7	-THE FILE AREA TABLE LENGHT	ZF000158
6*	000002.00+	+00000000	BU,22 ,10	T TOELO SYN(BU,18),2.0	-TABLE OF EXITS LOC	ZF000159
7*	000002.33+	+00000000	BU,02 ,10	T DENMD SYN(BU,2),2.27	-THE FILE AREA DENSITY MODIFIER	ZF000160
8*	000000.00+	+00000000	BU,22 ,10	T IODRN SYN(BU,18),0.0	-IOD REF NUMBER	ZF000161
9*	000002.35+	+00000000	BU,03 ,10	T REELD SYN(BU,3),2.29	-REEL DISPOSITON	ZF000162
10*	000002.60+	+00000000	BU,02 ,10	T FMODE SYN(BU,2),2.48	-FILE MCODE	ZF000163
11*	000005.01+	+00000000	BU,21 ,10	T CR ARC SYN(BU,17),5.01	- ORIGINAL ARC	ZF000164
12*	000005.41+	+00000000	BU,21 ,10	T MX ARC SYN(BU,17),5.33	- MAXIMUM ARC	ZF000165
13*	000006.01+	+00000000	BU,21 ,10	T CU ARC SYN(BU,17),6.01	- CURRENT ARC	ZF000166
14*					ZF000167	
15*					ZF000168	
16*				THE FORMAT OF THE REEL POOL	ZF000169	
17*					ZF000170	
18*					ZF000171	
19*	000000.31+	+00000000	BU,01 ,10	T RENTY SYN(BU,1),0.25	-A ONE IF A REEL WAS ENTERED HERE	ZF000172
20*	000000.32+	+00000000	BU,01 ,10	T REPR SYN(BU,1),0.26	-REEL PROTECT BIT IF ONE	ZF000173
21*	000000.33+	+00000000	BU,01 ,10	T RELB SYN(BU,1),0.27	-REEL LABELED IF ONE	ZF000174
22*	000000.42+	+00000000	BU,36 ,10	T RENME SYN(BU,30),0.34	-REEL NAME FORMAT	ZF000175
23*					ZF000176	
24*					ZF000177	
25*				THE TYPE SCAN TABLES	ZF000178	
26*					ZF000179	
27*					ZF000180	
28*	022244.00	022245.31+ 000 000010 000000		T SCIX1 XW,TSCAN1,8,0	-INDEX FOR TYPE SCAN	ZF000181
29*	022245.00	000000.05-		T SCBK1 VF,-5	-THE BACKUP CONSTANT TO GET THE CODE	ZF000182
30*					ZF000183	
31*	022245.31			T SCAN1 (AX)DD(BU,42,6),CONSOLE		ZF000184
32*	022246.03		02	DD(BU,5),2		ZF000185
33*	022246.10			(AX)DD(BU,42,6),DISK X		ZF000186
34*	022246.62		01	DD(BU,5),1		ZF000187
35*	022246.67			(AX)DD(BU,42,6),READER X		ZF000188
36*	022247.41		03	DD(BU,5),3		ZF000189
37*	022247.46			(AX)DD(BU,42,6),PUNCH X		ZF000190
38*	022250.20		04	DD(BU,5),4		ZF000191
39*	022250.25			(AX)DD(BU,42,6),PRINTERX		ZF000192
40*	022250.77		05	DD(BU,5),5		ZF000193
41*	022251.04			(AX)DD(BU,42,6),IQS X		ZF000194
42*	022251.56		06	DD(BU,5),6		ZF000195
43*	022251.63			(AX)DD(BU,42,6),TRACK X		ZF000196
44*	022252.35		21	DD(BU,5),(2)10001	-SPECIAL TRACK IND	ZF000197
45*	022252.42			(AX)DD(BU,42,6),TAPE X		ZF000198
46*	022253.14		10	DD(BU,5),8		ZF000199
47*	022253.21		00	DD(BU,05),0	-ERROR OR NULL TYPE FIELD	ZF000200

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*					ZF000202
2*				THE MODE SCAN TABLES	ZF000203
3*					ZF000204
4*					ZF000205
5*	022254.00	C22255.31+ 000 000005 000000	T SCIX2	XW,TSCAN2,5,0	-INDEX FOR MODE SCAN TABLES
6*	022255.00	000000.02-	T SCBK2	VF,-2	-BACKUP CONSTANT TO GET CODE
7*					ZF000208
8*	022255.31		T SCAN2	(AX)DD(BU,30,6), X	ZF000209
9*	022255.67	0		DD(BU,2),0	ZF000210
10*	022255.71			(AX)DD(BU,30,6),ECC X	ZF000211
11*	022256.27	1		DD(BU,2),1	ZF000212
12*	022256.31			(AX)DD(BU,30,6),ODD X	ZF000213
13*	022256.67	3		DD(BU,2),3	ZF000214
14*	022256.71			(AX)DD(BU,30,6),EVEN X	ZF000215
15*	022257.27	2		DD(BU,2),2	ZF000216
16*	022257.31 *			(AX)DD(BU,30,6),NOECCX	ZF000217
17*	022257.67	3		DD(BU,2),3	ZF000218
18*	022257.71	0		DD(BU,2),0	ZF000219
19*					ZF000220
20*					ZF000221
21*				THE DENSITY SCAN TABLE	ZF000222
22*					ZF000223
23*					ZF000224
24*	022260.00	C22261.31+ 000 000003 000000	T SCIX3	XW,TSCAN3,3,0	-IX FOR DENSITY SCAN TABLE
25*	022261.00	000000.02-	T SCBK3	VF,-2	-BACKUP CONSTANT TO GET CODE
26*	022261.31		T SCAN3	(AX)DD(BU,12,6),FDX	ZF000227
27*	022261.45	1		DD(BU,2),1	ZF000228
28*	022261.47			(AX)DD(BU,12,6),LDX	ZF000229
29*	022261.63	3		DD(BU,2),3	ZF000230
30*	022261.65			(AX)DD(BU,12,6), X	ZF000231
31*	022262.01	0		DD(BU,2),0	ZF000232
32*	022262.03	0		DD(BU,2),0	-ERROR WILL BE NULL
33*					ZF000234
34*					ZF000235
35*					ZF000236
36*				THE DISPOSITION SCAN TABLE	ZF000237
37*					ZF000238
38*					ZF000239
39*	022263.00	C22264.31+ 000 000005 000000	T SCIX4	XW,TSCAN4,5,0	-IX FOR THE DISPOSITION SCAN TABLE
40*	022264.00	000000.03-	T SCBK4	VF,-3	-BACKUP CONSTANT TO GET CODE
41*					ZF000242
42*	022264.31		T SCAN4	(AX)DD(BU,30,6),NSAVEX	ZF000243
43*	022264.67	0		DD(BU,3),0	ZF000244
44*	022264.72			(AX)DD(BU,30,6), X	ZF000245
45*	022265.30	0		DD(BU,3),0	ZF000246
46*	022265.33			(AX)DD(BU,30,6),CSAVEX	ZF000247
47*	022265.71	1		DD(BU,3),1	ZF000248
48*	022265.74			(AX)DD(BU,30,6),ISAVEX	ZF000249
49*	022266.32	2		DD(BU,3),2	ZF000250
50*	022266.35			(AX)DD(BU,30,6),SAVE X	ZF000251
51*	022266.73	3		DD(BU,3),3	ZF000252
52*	022266.76	3		DD(BU,03),3	-AN ERROR WILL WILL SAVE THE TAPE

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*				-----	ZF000255
2*				THE DUMMY TABLES FOR THE UN-ASSIGNMENT OF THE REJECTED JOB	ZF000256
3*				-----	ZF000257
4*					ZF000258
5*	022267.4C	C00000.30 CC		CNGP	ZF000259
6*	022270.00	C22272.00+	T DSIO	VF,TCAT	ZF000260
7*	022270.40	C22303.00+		VF,TBIRD -SAVE TAPES	ZF000260
8*	022271.00	C22307.00+		VF,TCOT	ZF000261
9*	022271.40	C22320.00+		VF,TBCID	ZF000261
10*					ZF000262
11*	022272.00 *	C00010.00	T CAT	DRZ(N),8 -DUMMY UNIT AREA TABLE	ZF000263
12*	022302.00	C22325.00+		VF,TWORM	ZF000264
13*	022302.40	C22325.00+		VF,TWORM	ZF000264
14*	022302.71		001	DD(BU,7),(16)01	ZF000264
15*					ZF000265
16*	022303.00 *	C00002.00	T BIRD	DRZ(N),2 -DUMMY FILE AREA	ZF000266
17*	022305.00	C00000.00+ 000 140000 000000		XW,(.31)3 -SET TO SAVE	ZF000267
18*	022306.00 *	000001.00		DRZ(N),1	ZF000268
19*					ZF000269
20*	022307.00	000010.00	T COT	DRZ(N),8 -DUMMY UNIT AREA TABLE	ZF000270
21*	022317.00	C22325.00+		VF,TWORM	ZF000271
22*	022317.40	C22325.00+		VF,TWORM	ZF000271
23*	022317.71		001	DD(BU,7),(16)01	ZF000271
24*					ZF000272
25*	022320.00 *	000005.00	T BIRD	DRZ(N),5	ZF000273
26*					ZF000274
27*	022325.00	C00000.00+ 110 000000 000000	T WORM	XW,(.26)3 -THE DUMMY REEL POOL --PROTECT	ZF000275
28*					ZF000276

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	
1*				-		ZF000278	
2*				-		ZF000279	
3*				-	THE - MOVE - SUB-ROUTINE	ZF000280	
4*				-		ZF000281	
5*				-		ZF000282	
6*	022326.00	000021.00	80	022134.30	EO T MOVE SWAPI,12,\$1,TSIOXW -SAVE INDEXES	ZF000283	
7*						ZF000284	
8*	022327.00	022133.00	80	022000.00	FO CM000(BU,18),TERFLG -RESET THE IOD CARD ERROR IND	ZF000285	
9*	022330.00	000000.24	1F		LX, TMXI, 0.0(\$15) -GET CONTROL WORD FOR ENTRY CK	ZF000286	
10*	022330.40	000000.56	8F	022000.07	70 CT0011(BU,18),0.46(\$15)	ZF000287	
11*	022331.40	022724.34	CO		BZRZ, TMREJ -IF A DISPATCHER REJECT	ZF000288	
12*	022332.00	000032.30	80	001000.00	FC CM000(BU,1),TMXI+24 -SET THE SIGN PLUS	ZF000289	
13*	022333.00	022634.70	C2		BXVLZ, TM2 -IF INITIAL ENTRY	ZF000290	
14*						ZF000291	
15*	022333.40	000001.00	8A	030000.06	70 T M1 C0011, TIOP(TMXI) -LOAD OP CODE FOR TEST	ZF000292	
16*	022334.40	022131.21	80	030600.23	10 KF, TMICD -TEST FOR IOD	ZF000293	
17*	022335.40	022606.36	CO		BZAE, TM6 -NOT AN IOD CARD	ZF000294	
18*						ZF000295	
19*					CONVERT THE NECESSARY FIELDS OF THE IOD CARD	ZF000296	
20*						ZF000297	
21*	022336.00	000000.27	C1		LVI, TMXGA, 0.0 -RESET THE ERROR FLAG INDEX	ZF000298	
22*	022336.40	022244.20	10		LX, TMXG, TSCIX1 -GET THE NUMBER OF SCAN	ZF000299	
23*	022337.00	000002.00	8A	052000.06	70 C0011, TITY(TMXI) -GET TYPE FIELD	ZF000300	
24*	022340.00	*	000000.57	88	252600.23	10 T MLOCK1 KF(V+IC)(BU,42,6),.47(TMKG)	ZF000301
25*	022341.00		022343.36	C2		BAE, TMOK1	ZF000302
26*	022341.40		022340.30	40		BZXCZ, TMLOCK1	ZF000303
27*	022342.00		000020.27	05		V+I, TMXGA, 16.0 -A TYPE FIELD ERROR	ZF000304
28*	022342.40		022343.50	CO		B, TGET1	ZF000305
29*	022343.00		022245.20	80		T MOK1 V+, TMXG, TSCBK1	ZF000306
30*	022343.40		000000.00	88	005000.06	70 T GET1 LF(BU,5),0.0(TMKG)	ZF000307
31*	022344.40		000002.73	8A	005000.12	FO SF(BU,5),TITYCD-1(TMXI) -STORE THE TYPE CODE	ZF000308
32*						ZF000309	
33*	022345.40		000002.74	8A	022361.34	02 BB, TITYCD(TMXI), TMNGA -GO IF TAPE	ZF000310
34*	022346.40		040000.00	80	404000.23	10 KFI(BU,4),001 -LOOK FOR A DISK	ZF000311
35*	022347.40		022406.36	C2		BAE, TMNG -YES	ZF000312
36*	022350.00		022254.20	10		LX, TMXG, TSCIX2 -LOAD FOR MODE SCAN FOR CARD MACHINES	ZF000313
37*	022350.40		000005.00	8A	036000.06	70 LF, TIMO-1.0(TMXI) -GET CARD MACHINE MODE	ZF000314
38*	022351.40		000000.40	88	236600.23	10 T MLOCK2 KF(V+IC)(BU,30,6),0.32(TMKG)	ZF000315
39*	022352.40		022354.76	C2		BAE, TMOK2	ZF000316
40*	022353.00		022351.70	40		BZXCZ, TMLOCK2	ZF000317
41*	022353.40	*	000004.27	05		V+I, TMXGA, 04.0 -A MODE FIELD ERROR	ZF000318
42*	022354.00		022355.10	00		B, TGET2	ZF000319
43*	022354.40		022255.20	80		T MOK2 V+, TMXG, TSCBK2	ZF000320
44*	022355.00		000000.00	88	002000.06	70 T GET2 C0011(BU,2),0.0(TMKG)	ZF000321
45*	022356.00		022357.74	CO		BZRZ, Z TGET2	ZF000322
46*	022356.40		600000.00	80	402000.06	70 LFI(BU,2),(8)3 -IF SINGLE UNIT NULL IOD, GET ODD PARITY	ZF000323
47*	022357.40		000005.76	8A	002000.12	FO Z TGET2 CM0101, TIMOCD-1.0(TMXI)	ZF000324
48*	022360.40		022406.10	00		B, TMNG -NON TAPE FINISHED	ZF000325
49*						ZF000326	
50*	022361.00		022254.20	10		T MNGA LX, TMXG, TSCIX2 -LOAD TO TAPE MODE SCAN	ZF000327

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	C22361
1*	022361.40	000006.00	8A 036000.06 70		LF,TIMC(TMXI)		ZF000329
2*	022362.40	C00000.40	88 236600.23 10	T MLCK5	KF(V+IC)(BU,30,6),.32(TMXX)		ZF000330
3*	022363.40	022365.76	C2		BAE,TMCK5		ZF000331
4*	022364.00	C22362.70	40		BZXCZ,TMLCK5		ZF000332
5*	022364.40	000004.27	05		V+I,TMXGA,04.0	-MODE FIELD ERROR	ZF000333
6*	022365.00	C22366.10	C0		B,TGET5		ZF000334
7*	022365.40	022255.20	80	T MCK5	V+,TMXG,TSCBK2		ZF000335
8*	022366.00	000000.00	88 002000.06 70	T GET5	LF(BU,2),0.0(TMXX)		ZF000336
9*	022367.00 *	000006.76	8A 002000.12 F0		CM0101,TIMCCD(TMXI)		ZF000337
10*				-			ZF000338
11*	022370.CC	022260.20	10		LX,TMXG,TSCIX3	-LOAD FOR DENSITY SCAN	ZF000339
12*	022370.40	C00007.00	8A 014000.06 70		C0011,TIDN(TMXI)		ZF000340
13*	022371.40	C00000.16	88 214600.23 10	T MCK3	KF(V+IC)(BU,12,6),0.14(TMXX)		ZF000341
14*	022372.40	022374.76	C2		BAE,TMCK3		ZF000342
15*	022373.00	022371.70	40		BZXCZ,TMCK3		ZF000343
16*	022373.40	C00002.27	05		V+I,TMXGA,02.0	- A DENSITY FIELD ERROR	ZF000344
17*	022374.00	022375.10	C0		B,TGET3		ZF000345
18*	022374.40	022261.20	80	T MCK3	V+,TMXG,TSCBK3		ZF000346
19*	022375.00	000000.00	88 002000.06 70	T GET3	C0011(BU,2),0.0(TMXX)		ZF000347
20*	022376.00	000007.76	8A 002000.12 F0		CM0101,TIDNCD(TMXI)		ZF000348
21*				-			ZF000349
22*	022377.CC	022263.20	10		LX,TMXG,TSCIX4	-LOAD FOR DISP SCAN	ZF000350
23*	022377.40	000010.CC	8A 036000.06 70		C0011,TIDS(TMXI)		ZF000351
24*	022400.40	C00000.41	88 236600.23 10	T MLCK4	KF(V+IC)(BU,30,6),0.33(TMXX)		ZF000352
25*	022401.40	022403.76	C2		BAE,TMCK4		ZF000353
26*	022402.00	022400.70	40		BZXCZ,TMCK4		ZF000354
27*	022402.40 *	000001.27	05		V+I,TMXGA,01.0	- A DISPOSITION FIELD ERROR	ZF000355
28*	022403.00	022404.10	00		B,TGET4		ZF000356
29*	022403.40	022264.20	80	T MCK4	V+,TMXG,TSCBK4		ZF000357
30*	022404.00	000000.00	88 003000.06 70	T GET4	C0011(BU,3),0.0(TMXX)		ZF000358
31*	022405.00	000010.76	8A 002000.12 F0		CM0101,TIDSCD(TMXI)		ZF000359
32*	022406.00	022133.27	30	T MNG	SV,TMXGA,TERFLG	-SAVE ERROR FLAG IF ANY	ZF000360
33*	022406.40	022411.71	42		BXVZ,TM1AA	-IF THE CARD IS OK	ZF000361
34*				-			ZF000362
35*	022407.00	000002.74	8A 004000.20 50		L,TITYCD(TMXI)	-CHECK FOR INVALID TYPE CODE	ZF000363
36*	022410.00	022411.74	C0		BZRZ,TM1AA	-TYPE CODE OK	ZF000364
37*	022410.40	C00020.03	01		LVI,TMX1,16.	-INVALID TYPE CODE ON IOD CARD	ZF000365
38*	022411.00	022721.10	00		B,TMREJB		ZF000366
39*				-			ZF000367
40*				-			ZF000368
41*				-	IS THIS IOD IN THE UNIT NAME TABLE		ZF000369
42*				-			ZF000370
43*				-			ZF000371
44*	022411.40	022154.20	10	T M1AA	LX,TMXG,TUNXW	-LOAD TO BEGINNING OF UNIT NAME TABLE	ZF000372
45*	022412.00	000000.64	8A 014027.20 50		L,TIREF(TMXI),46	-GET THE REFERENCE NUMBER	ZF000373
46*	022413.00	022414.74	C0		BZRZ,TMEAT	-NO	ZF000374
47*	022413.40	C00010.03	01	T MCKG	LVI,TMX1,8.0	-ILLEGAL REF NO. ON AN IOD CARD	ZF000375
48*	022414.00	022721.10	00		B,TMREJB		ZF000376
49*	022414.40	215005.00	80 022027.20 10	T MEAT	+(BU,18),TLIMB,46	-COMPUTE THE SIOL ADDRESS	ZF000377
50*	022415.40	000011.10	30		LV,TMXC,\$R	-ADDRESS OF SIOL TO IX	ZF000378

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	022416	
1*	022416.00 *	000000.00	84	000000.06	70	LF(BU),0.0(TMXC)	-IS SIOL SLOT ALREADY USED	ZF000380
2*	022417.00	022413.74	C0			BZRZ,TMDOG	-YES - REPORT ILLEGAL IOD CARD TO JC	ZF000381
3*	022417.40	000004.00	8A	060010.20	50	L,TICH(TMXI),16	-GET CHAN FIELD OF IOD CARD	ZF000382
4*	022420.40	000005.00	8A	060050.06	70	LF,TIUN(TMXI),80	-GET THE UNIT NAME - TAPE ONLY	ZF000383
5*	022421.40	000002.74	8A	004000.06	70	LF,TITYCD(TMXI)	-GET THE TYPE FIELD CODED	ZF000384
6*	022422.40	400000.00	80	404600.23	10	KFI(BU,4,6),8	-LOOK FOR A TAPE IOD	ZF000385
7*	022423.40	022427.36	C0			BZAE,TMIX- NO		ZF000386
8*	022424.00	022132.15	80	060610.23	10	KF,TM6BL,16	-YES	ZF000387
9*	022425.00	022427.36	C0			BZAE,TMIX- NO		ZF000388
10*	022425.40	022132.15	80	060650.23	10	KF,TM6BL,80	-	ZF000389
11*	022426.40	022443.36	C2			BAE,TMU	-IF BOTH CHAN/UNIT FIELDS ARE BLANK	ZF000390
12*	022427.00	000000.21	05			TMIX V+I,TMXG,0.0	-TO RE-ACTIVATE IX INDICATORS	ZF000391
13*	022427.40	022436.70	42			BXCZ,TMIE	-IF ZERO ENTRY	ZF000392
14*	022430.00	000000.00	88	060010.23	10	T MIA KF,TCHNM(TMXX),16	-COMPARE AGAINST TABLE	ZF000393
15*	022431.00	022436.36	C0			BZAE,TMIB	-IF UNLIKE ENTRY	ZF000394
16*	022431.40 *	000000.74	88	004000.23	10	KF,TUNTYP(TMXX)	-COMPARE EQUIP FEILD	ZF000395
17*	022432.40	022436.36	C0			BZAE,TMIB	-IF NOT ALIKE	ZF000396
18*	022433.00	022153.21	30			SV,TMXX,TDKSAV		ZF000397
19*	022433.40	000002.74	8A	022504.74	00	BZB,TITYCD(TMXI),TMID	-IF NOT TAPE	ZF000398
20*	022434.40	000031.00	88	060050.23	10	KF,TUNME(TMXX),80	-TAPE COMPARE UNIT NAME	ZF000399
21*	022435.40	022504.76	C2			BAE,TMID	-UNIT AREA TABLE GENERATED	ZF000400
22*	022436.00	022430.21	48			T MIB CB+,TMXX,TMIA		ZF000401
23*								ZF000402
24*	022436.40	000000.64	8A	014002.06	70	T MIE LF,TIREF(TMXI),04	-GET THE REF. NUMBER	ZF000403
25*	022437.40	000031.00	88	000040.12	F0	SF(BU,64),TUNME(TMXX),64		ZF000404
26*	022440.40	000000.00	88	000000.12	F0	CM0101(BU,64),0.0(TMXX)	-STORE NEW ENTRY IN TABLE	ZF000405
27*	022441.40	022154.34	80	022000.22	B0	M+1(BU,18),TUNXW+28	-STEP TABLE COUNTER	ZF000406
28*	022442.40	022153.21	30			SV,TMXX,TDKSAV		ZF000407
29*								ZF000408
30*							GENERATE THE UNIT AREA TABLES	ZF000409
31*								ZF000410
32*								ZF000411
33*	022443.00	000003.13	36			T MU SV,TMXD,TFIAAC(TMXE)	-SET UP THE FILE AREA ACT. ADDR.	ZF000412
34*	022443.40	000000.56	83	022027.20	50	L,TABSCH(TMXB),46	-GET THE ADDR OF THE ASSIGNED CHAN	ZF000413
35*	022444.40	000011.20	10			LX,TMXX,\$R	-CHAN TABLE ADDR TO IX	ZF000414
36*	022445.00 *	215002.00	80	022027.30	10	-(BU,18),TCHSXW,46	-COMPUTE THE CHANNEL NUMBER	ZF000415
37*	022446.00	000000.14	86	007027.20	D0	ST,TCHANN(TMXE),46		ZF000416
38*	022447.00	000000.33	88	022470.74	00	BZB,TMULTI(TMXX),TMIDA	-IF NOT A MULTI UNIT CHAN	ZF000417
39*	022450.00	000000.07	83	003027.20	50	L,TABSUN(TMXB),46	-GET THE UNIT NUMBER	ZF000418
40*	022451.00	000000.57	86	003027.20	D0	ST,TUNITN(TMXE),46	-AND PLACE IN UNIT AREA TBL	ZF000419
41*	022452.00	000000.03	83	022466.34	00	BZB,TTYPE(TMXB),TMIDAA	-IF THE TYPE IS NOT TAPE	ZF000420
42*	022453.00	000007.31	86	001000.36	F0	CM1111,TSYSTEM(TMXE)	-SET THE SYSTEM TAPE BIT FOR INITIAL	ZF000421
43*	022454.00	000027.00	80	022000.06	70	CO011(BU,18),TMXF	-GET REEL POOL ADDRESS	ZF000422
44*	022455.00	000010.00	86	022000.12	F0	CM0101,TFRLAD(TMXE)	-AND STORE IN UNIT AREA	ZF000423
45*	022456.00	000010.40	86	022000.12	F0	CM0101,TCREEL(TMXE)		ZF000424
46*	022457.00	000010.71	86	007000.22	B0	M+1,TREELK(TMXE)	-SET THE REEL COUNT TO ONE	ZF000425
47*	022460.00	000000.22	07			Z,0.0(TMXF)	-ZERO THE FIRST REEL SLOT	ZF000426
48*	022460.40 *	000000.33	87	001000.36	F0	CM1111(BU,1),TRELK(TMXF)		ZF000427
49*	022461.40	000001.34	80	032000.06	70	LF(BU,26),\$TC		ZF000428
50*	022462.40	000001.40	86	032000.12	F0	SF(BU,26),TRMTC(TMXE)		ZF000429
51*	022463.40	000001.17	05			V+I,TMXF,1.0	-STEP REEL POOL INDEX	ZF000430
52*	022464.00	215225.16	90			KV,TMXF,TBAMCP	-IS THE REEL POOL EXCEEDING BOUNDS	ZF000431
53*	022464.40	022466.32	42			BXL,TMIDAA	-NO	ZF000432
54*	022465.00	000004.03	01			LVI,TMX1,4.0	-YES SO NOTE IT JC	ZF000433
55*	022465.40	022721.10	00			B,TMREJB	-AND REJECT JOB	ZF000434

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	
1*						ZF000436	
2*					MODIFY THE CHAN/UNIT STATUS TABLES	ZF000437	
3*						ZF000438	
4*						ZF000439	
5*	022466.00	000000.00	88 022027.20 10	T MIDAA	+,TUNTBA(TMXXG),46	-COMPUTE UNIT TABLE ADDR. IN MULTI CAS	ZF000440
6*	022467.00	000011.20	30		LV, TMXXG,\$R	-GET POINTER FOR UNIT TABLE	ZF000441
7*	022467.40	000000.47	88 001000.36 FO		CM1111,TSEL(TMXXG)	-SET THE SEL BIT TO 1 FOR ALL MULTI CH	ZF000442
8*						ZF000443	
9*	022470.40	000000.15	38	T MIDA	SV, TMXE,0.0(TMXXG)	-STORE UNIT AREA TBL ADDRESS	ZF000444
10*						ZF000445	
11*	022471.00	000000.32	8F 001000.06 70		LF(BU,1),.26(\$15)	-GET THE OWNERSHIP BIT	ZF000446
12*	022472.00	000000.40	88 001000.12 FO		SF,TCHOWN(TMXXG)		ZF000447
13*						ZF000448	
14*	022473.00	000000.35	88 001000.00 FO		CM0000,TUNASG(TMXXG)	-SET THE UNIT ASSIGNED BIT	ZF000449
15*	022474.00 *	000000.76	88 022476.34 06		BBZ,TUNRES(TMXXG),TMIDX	-RESET THE NOT OV RES FIRST	ZF000450
16*	022475.00	000000.77	88 001000.00 FO		CM0000,TOVRES(TMXXG)		ZF000451
17*						ZF000452	
18*	022476.00	000026.22	30	T MIDX	LV, TMXEE, TMXE	-KEEP ONE IX TO BEGINNING OF TBL	ZF000453
19*	022476.40	000011.15	05		V+I, TMXE, 9.0	-ADVANCE THE OTHER TO END + 1	ZF000454
20*						ZF000455	
21*					ZERO THE I/O REQUEST TBL AND REEL SLOT	ZF000456	
22*						ZF000457	
23*	022477.00	000000.34	83 022027.20 50		L,TFREEL(TMXXB),46	-GET THE FIRST REEL ADDRESS	ZF000458
24*	022500.00	022501.74	C2		BRZ, TM2AC	-NO REEL	ZF000459
25*	022500.40	000011.26	30		LV, TMXXGA,\$R		ZF000460
26*	022501.00	000000.22	08		Z,0.0(TMXXGA)	-ZERO THE REEL SLOT	ZF000461
27*	022501.40	000000.22	03	T M2AC	Z,0.0(TMXXB)	-ZERO THE I/O REQ TBL SLOT	ZF000462
28*						ZF000463	
29*	022502.00	000001.22	83 022503.74 00		BZB,TLAST+1.0(TMXXB),TMIDB	-IF NOT LAST ENTRY IN THE I/O REQ TBL	ZF000464
30*	022503.00	232306.07	01		LVI, TMXXB, TIOREQ-1.		ZF000465
31*	022503.40	000001.07	06	T MIDB	V+IC, TMXXB, 1.0		ZF000466
32*	022504.00	022507.50	00		B, TN5		ZF000467
33*						ZF000468	
34*					THE UNIT AREA TABLE IS ALREADY GENERATED FOR THIS IOD CARD	ZF000469	
35*						ZF000470	
36*	022504.40	000000.60	88 014027.20 50	T MID	L, TUNREF(TMXXG),46	-GET THE REF NC.	ZF000471
37*	022505.40	215005.00	80 022027.20 10		+(BU,18),TLIMB,46	-COMPUTE SYMB. I/O LOC ADDRESS	ZF000472
38*	022506.40	000011.20	30		LV, TMXXG,\$R		ZF000473
39*						ZF000474	
40*	022507.00	000000.22	38		LV, TMXEE,0.0(TMXXG)	-GET UNIT AREA ADDRESS	ZF000475
41*						ZF000476	
42*	022507.40 *	000001.06	89 014000.22 80	T N5	M+1, TIOCK(TMXXE)	-ADD TO IOD COUNT	ZF000477

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*						ZF000479
2*					GENERATE THE FILE AREA TABLES	ZF000480
3*						ZF000481
4*						ZF000482
5*	022510.40	000000.64	8A 014027.20 50		L,TIREF(TMXI),46 -GENERATE LOC OF SYMB I/O LCC WORD	ZF000483
6*	022511.40	000000.00	85 022027.12 F0		CM0101,TIODRN(TMXD),46 -STORE REF NO. IN FILE AREA TABLE	ZF000484
7*						ZF000485
8*	022512.40	000000.23	34		SV,TMXEE,0.0(TMXC) -STORE UNIT AREA ADD IN SYMB I/O TB	ZF000486
9*	022513.00	000000.53	34		SV,TMXD,0.32(TMXC) -STORE FILE AREA ADD IN SYMB I/O TB	ZF000487
10*						ZF000488
11*	022513.40	000000.00	8A 022000.06 70		CO011,TIABEX(TMXI) -GET TABLE OF EXITS ADDRESS	ZF000489
12*	022514.40	000002.00	85 022000.12 F0		CM0101,TTOELO(TMXD) -PLACE IN FILE AREA TABLE	ZF000490
13*	022515.40	000002.74	8A 022521.34 02		BB,TITYCD(TMXI),TM1FUZ -IF TAPE	ZF000491
14*						ZF000492
15*	022516.40	000005.76	8A 002000.06 70		LF,TIMCCD-1.0(TMXI) -GET CARD MACHINE MODE	ZF000493
16*	022517.40	000002.60	85 002000.12 F0		CM0101,TFMODE(TMXD)	ZF000494
17*	022520.40	022530.50	00		B,TM1FAZ	ZF000495
18*						ZF000496
19*	022521.00	000006.76	8A 002000.06 70	T M1FUZ	LF,TIMCCD(TMXI) -GET THE TAPE MODE	ZF000497
20*	022522.00	000002.60	85 002000.12 F0		SF,TFMODE(TMXD)	ZF000498
21*						ZF000499
22*	022523.00 *	000002.74	8A 022530.74 00		BZB,TITYCD(TMXI),TM1FAZ -IF THE EQUIP IS NOT TAPE	ZF000500
23*	022524.00	000010.76	8A 002000.06 70		CO011,TIDSCD(TMXI) -GET THE REEL DISP	ZF000501
24*	022525.00	000002.35	85 003000.12 F0		CM0101,TREELD(TMXD)	ZF000502
25*						ZF000503
26*	022526.00	000007.76	8A 002000.06 70		CO011,TIDNCD(TMXI) -GET GIVEN DENSITY	ZF000504
27*	022527.00	000002.33	85 002000.12 F0		CM0101,TDENMD(TMXD)	ZF000505
28*	022530.00	022603.50	00		B,TM1FA	ZF000506
29*						ZF000507
30*	022530.40	000002.74	8A 004000.20 50	T M1FAZ	L,TITYCD(TMXI)	ZF000508
31*	022531.40	040000.00	80 404000.23 10		KFI(BU,4),1 -LOOK FOR DISK	ZF000509
32*	022532.40	022603.76	00		BZAE,TM1FA -IF NOT DISK	ZF000510
33*						ZF000511
34*						ZF000512
35*						ZF000513
36*					DISK ANALYSER	ZF000514
37*						ZF000515
38*						ZF000516
39*	022533.00	022153.20	30		LV,TMXG,TDKSAV -GET UNIT TABLE ADDRESS	ZF000517
40*	022533.40	000000.26	39		LV,TMXGA,0.(TMXEE) -FOR LOCATING THE ACCUMULATING DISK CTR.	ZF000518
41*	022534.00	022240.00	8B 021040.20 50		L,TSBDF(TMXGA),64 -GET COUNTER	ZF000519
42*	022535.00	000002.73	8A 022576.74 02		BB,TITRK(TMXI),TMTRK -IF TRACK	ZF000520
43*	022536.00 *	000006.01	85 021040.20 D0	T MDK	ST,TCUARC(TMXD),64 -SET CURRENT ARC	ZF000521
44*	022537.00	000005.01	85 021040.20 D0		ST,TORARC(TMXD),64 -SET ORIGINAL ARC	ZF000522
45*	022540.00	022240.00	8B 021040.20 D0		ST,TSBDF(TMXGA),64 -SAVE AS TRACK ROUNDS OFF	ZF000523
46*	022541.00	000005.00	8A 060000.20 50		L,TINO(TMXI) -GET THE DISK NUMBER	ZF000524
47*	022542.00	022132.15	80 060600.23 10		KF,TM6BL -LOOK FOR DISK NULL-- BLANK	ZF000525
48*	022543.00	022572.36	C2		BAE,TMNULL -IF NULL	ZF000526
49*	022543.40	022544.43	01		LVI,TMX1,TMDK1	ZF000527
50*	022544.00	022772.50	00		B,TMCONV -GO TO THE CONVERSION ROUTINE	ZF000528
51*	022544.40	022572.34	C2	T MDK1	BRZ,TMNULL -IF NULL -- ZERO	ZF000529
52*	022545.00	022240.00	8B 021040.06 70		LF,TSBDF(TMXGA),64 -RELOAD ACC	ZF000530
53*	022546.00	000002.73	8A 022550.74 02		BB,TITRK(TMXI),TMDK3 -IF TRACK	ZF000531
54*	022547.00	000011.57	80 021040.20 10		+(BU,17),\$R+.47,64 -ADD THE CONVERTED NUMBER - ARC -	ZF000532

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	022550
1*	022550.00	022551.50 00		B,TMDK4		ZF000534
2*	022550.40	000011.57 80	T MDK3	+(BU,17), \$R+.47,67	-ADD THE CONVERTED NUMBER - TRACK -	ZF000535
3*	022551.40 *	022240.00 88	T MDK4	ST,TSBDF(TMXGA),64	-UP DATE THE COUNTER	ZF000536
4*	022552.40	000010.57 80		M-1(BU,17), \$L+.47		ZF000537
5*	022553.40	022131.00 80		KF,TMMAX,64	-LOOK FOR ILLEGAL DISK REQUEST	ZF000538
6*	022554.40	022605.37 42		BAH, TMCSK3	-YES	ZF000539
7*	022555.00	000005.41 85		ST, TMXARC(TMXD),64	-STORE THE MAXIMUM ARC	ZF000540
8*	022556.00	000031.60 88		L, TDSKRF(TMXG),46	-GET THE REF NO.OF NULL IOO	ZF000541
9*	022557.00	022603.74 C2		BRZ, TM1FA	-IF NONE	ZF000542
10*	022557.40	215005.00 80		+(BU,18), TLIMB,46	-ADD THE BASE ADDRESS OF THE SIOL TBL	ZF000543
11*	022560.40	000011.02 30		LV, TMX1, \$R		ZF000544
12*	022561.00	000000.42 31		LV, TMX1, .32(TMX1)	-GET THE FILE AREA OF THE NULL IOO	ZF000545
13*	022561.40	022240.00 88		LF,TSBDF(TMXGA)	-GET LAST COUNTER	ZF000546
14*	022562.40	000031.74 88		BB,TDTRK(TMXG),TMDK2	-IF TRACK	ZF000547
15*	022563.40	000006.01 81	T MDK1A	ST,TCUARC(TMX1)	-UPDATE CURRENT ARC	ZF000548
16*	022564.40	000005.01 81		ST,TORARC(TMX1)	-UPDATE ORIGINAL ARC	ZF000549
17*	022565.40 *	022603.50 00		B, TM1FA		ZF000550
18*			-			ZF000551
19*			-			ZF000552
20*			-			ZF000553
21*			-			ZF000554
22*			-	TRACK ANALYSER		ZF000555
23*			-			ZF000556
24*	022566.00	000011.75 80	T MDK2	CT0011(BU,3), \$R+.61	-CHECK FOR MULTIPLE OF 8	ZF000557
25*	022567.00	022563.74 C2		BRZ, TMDK1A	-YES	ZF000558
26*	022567.40	000011.75 80		CM0000(BU,3), \$R+.61	-ZERO THE TRIVIAL BITS	ZF000559
27*	022570.40	000011.64 80		M+1(BU,9), \$R+.52	-ADD NEXT BEGINNING TRACK LCC	ZF000560
28*	022571.40	022563.50 00		B, TMDK1A		ZF000561
29*			-			ZF000562
30*	022572.00	000000.64 8A	T MNULD	LF, TIREF(TMXI)	-IF NULL DISK OR TRACK ,GET REF NO.	ZF000563
31*	022573.00	000031.60 88		ST, TDSKRF(TMXG)		ZF000564
32*	022574.00	022131.00 80		LF, TMMAX	-GET THE MAX DISK NUMBER POSSIBLE	ZF000565
33*	022575.00	000005.41 85		ST, TMXARC(TMXD)		ZF000566
34*	022576.00	022603.50 00		B, TM1FA		ZF000567
35*			-			ZF000568
36*	022576.40	000010.75 80	T MTRK	CT0C11(BU,3), \$L+.61	-CHECK FOR MULTIPLE OF 8	ZF000569
37*	022577.40	022536.34 C2		BRZ, TMDK	-YES - RETURN	ZF000570
38*	022600.00	000010.75 80		CM0000(BU,3), \$L+.61	-NO ZERO THE TRIVIAL BITS	ZF000571
39*	022601.00 *	000010.64 80		M+1(BU,9), \$L+.52	-ADD ON TO GET NEXT BEGINNING TRACK L	ZF000572
40*	022602.00	022536.10 00		B, TMDK		ZF000573
41*			-			ZF000574
42*	022602.40	000002.61 85		CM1111(BU,1),TFMODE+.1(TMXD)	-A DUMMY ONE FOR ALL BUT TAPE	ZF000575
43*	022603.40	000007.13 05	T M1FA	V+I, TMXD,7.0	-STEP THE VF BY A FILE TABLE	ZF000576
44*			-			ZF000577
45*	022604.00	000000.03 01	T OK	LVI, TMX1,0.0	-OK RETURN	ZF000578
46*	022604.40	022766.10 00		B, TN2		ZF000579
47*			-			ZF000580
48*			-			ZF000581
49*	022605.00	000001.03 01	T MDSK3	LVI, TMX1,1.0	-ILLEGAL DISK REQ	ZF000582
50*	022605.40	022721.10 00		B, TMREJB	-GO TO REJECT JOB	ZF000583

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		ZF000585
2*			-		ZF000586
3*			-	LOCATE THE PROPER REEL SLOT FOR ENTRY	ZF000587
4*			-		ZF000588
5*			-		ZF000589
6*	022606.00	022131.51 80	T M6	KF, TMREEL	-CHECK FOR A REEL CARD
7*	022607.00	022610.36 C2		BAE, TM6C	-OK
8*	022607.40	022607.44 00		BD, \$	-MCP ERROR, INVALID OP CODE ON CD.
9*			-		ZF000593
10*	022610.00	000010.20 39	T M6D	LV, TMXG, TFRLAD(TMXXE)	-GET INITIAL REEL ENTRY
11*	022610.40	000000.26 1A		LX, TMXGA, 0.0(TMXXI)	-TO GET THE REEL CCUNT
12*	022611.00	022604.26 4A		CBZ, TMXGA, TOK	-GET 1ST REEL LOC IF ANY
13*	022611.40	000032.26 30		LV, TMXGA, TMXXI	-GET FIRST REEL ADDRESS
14*	022612.00	000030.02 30	T M6A	LV, TMXH, TMXG	-SAVE FOR LAST ENTRY
15*	022612.40	000000.20 18		LX, TMXG, 0.0(TMXXG)	-LOOK AHEAD ONE SLOT
16*	022613.00	022612.31 40		BZXVZ, TM6A	-IF THERE IS AN ENTRY
17*			-		ZF000601
18*	022613.40	022631.23 42		BXF, TM6C+.32	-IF A SCRATCH REEL HAS BEEN ENTERED
19*			-		ZF000603
20*	022614.00 *	000002.00 8B	T N6	C0011, TIREEL(TMXXGA)	-GET A REEL NAME FROM BREAKDOWN
21*	022615.00	000000.22 01		Z, 0.0(TMXXH)	-CLEAR THE REEL SLOT FIRST
22*			-		ZF000606
23*			-	DETERMINE THE REEL STATUS - EG. FILE PROTECT, SYSTEM	ZF000607
24*			-		ZF000608
25*	022615.40	022132.15 80		KF(BU, 30, 6), TM6BL	-BYPASS PROTECTION IF SCRATCH
26*	022616.40	022624.36 C2		BAE, TM8AB	
27*	022617.00	000000.42 81		CM0101, TRENME(TMXXH)	-INSERT THE NAME
28*	022620.00	022132.07 80		KF, TNCP, 42	-LOOK FOR A NON-PROTECT
29*	022621.00	022622.76 C2		BAE, TM8	
30*	022621.40	000000.32 81		CM1111, TREPR(TMXXH)	-SET THE REEL PROTECT BIT ON
31*	022622.40	022132.01 80	T M8	KF, TLBL, 36	-LOOK FOR A LABELED TAPE
32*	022623.40	022625.76 C0		BZAE, TM8AZ	-IF NOT A LABELED TAPE
33*	022624.00	000000.33 81	T M8AB	CM1111, TREL B(TMXXH)	-SET THE LABEL BIT TO ONE
34*	022625.00	022627.50 00		B, TM8A	
35*			-		ZF000619
36*	022625.40	000010.02 99	T M8AZ	KV, TMXH, TFRLAD(TMXXE)	-CHECK TO SEE IF FIRST REEL ENTRY
37*	022626.00	022627.72 C0		BZXE, TM8A	-NO
38*	022626.40	000007.31 89		CM0000, TSYSTEM(TMXXE)	-RESET SYSTEM BIT
39*			-		ZF000623
40*	022627.40 *	000000.31 81	T M8A	CM1111, TRENTY(TMXXH)	-SET THE ENTRY BIT TO ONE
41*	022630.40	022604.27 4A	T M6C	CBZ+, TMXGA, TOK	-STEP BREAKDOWN INDEX
42*	022631.00	000000.17 31		SV, TMXF, 0.0(TMXXH)	-STORE THE SLOT ADDRESS
43*	022631.40	000027.02 30		LV, TMXH, TMXF	-GET NEW SLOT
44*	022632.00	000001.17 05		V+I, TMXF, 1.0	
45*	022632.40	215225.16 90		KV, TMXF, TBAMCP	-IS THE REEL POOL EXCEEDING BOUNDS
46*	022633.00	022614.32 42		BXL, TN6	-NO
47*	022633.40	000004.03 01		LVI, TMX1, 4.0	-NOTE ERROR - PP EXCEEDING LIMITS
48*	022634.00	022721.10 00		B, TMREJB	

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	
1*						ZF000634	
2*					INITIAL ENTRY PER PROBLEM PROGRAM	ZF000635	
3*						ZF000636	
4*						ZF000637	
5*	022634.40	022154.34	80	022000.00	FC T M2 CM000(BU,18),TUNXW+C.28	-CLEAR UNIT NAME TABLE COUNTER	ZF000638
6*	022635.40	C00000.25	1F		SX, TMXI, C.0(\$15)	-SET CONTROL WORD PLUS	ZF000639
7*						ZF000640	
8*					RESET THE DISK PARAMETERS	ZF000641	
9*						ZF000642	
10*	022636.00	022237.20	10		LX, TMXG, TDCLR	-LOAD FOR TABLE CLEARING	ZF000643
11*	022636.40	000000.22	08		T MCLR Z, 0.0(TMXX)	-CLEAR THE ACCUMULATING AREA	ZF000644
12*	022637.00	022636.61	48		CB+, TMXG, TMCLR		ZF000645
13*						ZF000646	
14*	022637.40	215007.41	80	021000.06	70 LF(BU,17),TSYRFT.1-	RESTORE THE MCP USER AREA	ZF000647
15*	022640.40	022240.00	80	021000.20	D0 ST,TSBDF		ZF000648
16*	022641.40	215005.40	80	022000.00	F0 CM000(BU,18),TMAXRF	-RESET THE MAX REF TO ZERO	ZF000649
17*						ZF000650	
18*	022642.40	000000.31	8F	022644.74	02 BB,.25(\$15),TM2A	-IF NOT OVERLAP	ZF000651
19*	022643.40	* 232232.04	10		LX, TMXA, TPRUN	-LOAD FOR NEXT JOB TO BE RUN	ZF000652
20*	022644.00	022645.10	00		B, TM3D		ZF000653
21*	022644.40	232230.04	10		T M2A LX, TMXA, TPPURF	-SET UP FOR NOT OVERLAP JOB	ZF000654
22*	022645.00	000000.47	82	022646.74	00 T M3D BZB, TLPPEN(TMXX), TM3E	-IF MORE JOBS TO BE RUN	ZF000655
23*	022646.00	022646.04	00		BD, \$	-MCP ERROR, NO MORE JOBS TO BE RUN	ZF000656
24*						ZF000657	
25*					TEST FOR JOB SYNCHRONIZATION	ZF000658	
26*						ZF000659	
27*	022646.40	000001.00	82	060000.06	70 T M3E LF(BU,48,8),TPNAME(TMXX)	-GET JOB NAME FROM PP REF TBL	ZF000660
28*	022647.40	777777.00	8A	060600.23	10 \$KF, TJCNME(TMXI)	-COMPARE AGAINST JC-4 JOB CARD	ZF000661
29*	022650.40	022652.36	C2		BAE, TM3EZ	-OK IF ALIKE	ZF000662
30*	022651.00	000002.03	01		LVI, TMX1, 2.0	-ERROR -- JOBS ARE OUT OF SYNC	ZF000663
31*	022651.40	022766.10	00		B, TN2	-RETURN WITHOUT REJECT	ZF000664
32*	022652.00	000022.20	10		T M3EZ LX, TMXG, TMXA	-SET UP FOR NEXT JOB - MOVE POINTER	ZF000665
33*	022652.40	C00000.31	8F	022655.34	02 BB,.25(\$15),TM2AM	-IF NOT OVERLAP DONT SAVE PTR.	ZF000666
34*	022653.40	000002.21	07		V+ICR, TMXG, 2.0		ZF000667
35*	022654.00	232232.21	10		SX, TMXG, TPRUN		ZF000668
36*	022654.40	215012.56	30		LV, TMXF, TMARK		ZF000669
37*						ZF000670	
38*	022655.00	000000.45	82	022656.74	00 T M2AM BZB, TRJECT(TMXX), TM3A	-IF PP WAS NOT REJECTED	ZF000671
39*	022656.00	022656.04	00		BD, \$	-MCP ERROR, PP WAS PREVIOUSLY REJ	ZF000672
40*	022656.40	* 000000.44	82	022660.34	00 T M3A BZB, TJBPRO(TMXX), TM3C	-IF THE JOB WAS NOT PROCESSED	ZF000673
41*	022657.40	022657.44	00		BD, \$	-MCP ERROR, PP WAS PREVIOUSLY RUN	ZF000674
42*						ZF000675	
43*	022660.00	000000.00	82	022027.20	50 T M3C L, TCRREF(TMXX), 46	-GET LOC OF I/O REQ TBL	ZF000676
44*	022661.00	000000.44	82	001000.36	F0 CM1111, TJBPRO(TMXX)	-SET THE JOB PROCESSED BIT ON	ZF000677
45*	022662.00	C00000.34	82	010011.06	70 CO011, TUNCT(TMXX), 18	-GET NUMBER OF I/O REQ	ZF000678
46*						ZF000679	
47*	022663.00	C00011.06	10		LX, TMXB, \$R		ZF000680
48*	022663.40	022664.70	40		BZXCZ, TM3B		ZF000681
49*	022664.00	022604.10	00		B, TCK	-IF NO I/O REQ	ZF000682
50*						ZF000683	
51*	022664.40	C00000.46	82	022666.34	02 T M3B BB, TASGNP(TMXX), TSPORT	-IF JOB WAS ASSIGNED	ZF000684
52*	022665.40	022665.44	00		BD, \$	-MCP ERROR, JOB NOT ASSIGNED	ZF000685

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-	*****	ZF000687
2*				-	SORT THE I/O REQUEST WITHIN THE I/O REQUEST TABLE	ZF000688
3*				-	BY THE IOD SEQUENCE NUMBER AS PER PP	ZF000689
4*				-	*****	ZF000690
5*	022666.00	000011.16	10	T SORT	LX, TMXF, \$R -LOAD TC GET I/O REQUEST TABLE	ZF000691
6*	022666.40	000000.22	87	T SORT1	BZB, TLAST(TMXF), TSORT4	ZF000692
7*	022667.40	232307.17	01		LVI, TMXF, TICREQ	ZF000693
8*	022670.00	000027.20	10	T SORT4	LX, TMXG, TMXF	ZF000694
9*	022670.40	000000.00	87		L(BU, 64), 0.0(TMXF) -GET A WORD FROM REQ TABLE FOR COMPARE	ZF000695
10*	022671.40	000000.22	88	T SORT2	BZB, TLAST(TMXG), TSORT5	ZF000696
11*	022672.40 *	232307.21	01		LVI, TMXG, TICREQ	ZF000697
12*	022673.00	000000.23	88	T SORT5	KF, TIODSQ(TMXG), 36 -COMPARE THE NEXT SEQ NO AND SO FORTH	ZF000698
13*	022674.00	022676.77	40		BZAH, TSORT3 -SWAP ONLY ON HIGH	ZF000699
14*	022674.40	000000.26	18		LX, TMXGA, 0.0(TMXG) -LOAD SWAP INDEX	ZF000700
15*	022675.00	000000.00	88		ST(BU, 64), 0.0(TMXG) -STORE THE GREATER	ZF000701
16*	022676.00	000011.27	10		SX, TMXGA, \$R -REPLACE THE ACC WITH THE LESSER	ZF000702
17*	022676.40	022671.61	48	T SORT3	CB+, TMXG, TSORT2	ZF000703
18*	022677.00	000000.00	87		ST(BU, 64), 0.0(TMXF) -REPLACE THE INITIAL WORD	ZF000704
19*	022700.00	022666.57	48		CB+, TMXF, TSORT1	ZF000705
20*				-		ZF000706
21*				-		ZF000707
22*				-	COMPUTE THE TABLE LOCATIONS AND ZERO THEM	ZF000708
23*				-		ZF000709
24*				-		ZF000710
25*	022700.40	000000.64	82		LFT, TIODCT(TMXA) -NUMBER OF IODS TO FACTOR REG	ZF000711
26*	022701.40	000000.50	82		L, TLREFN(TMXA), 46 -GET LARGEST REF NO FOR TBL LENGTH	ZF000712
27*	022702.40	215005.40	80		CM0101(BU, 18), TMAXRF, 46 -SAVE THE LARGEST REFERENCE NUMBER	ZF000713
28*	022703.40	215005.00	80		+(BU, 18), TLIMB, 46 -ADD TO IT THE UPPER LIMIT CF PP	ZF000714
29*	022704.40	000011.00	80		M+1(BU, 18), \$R -ADD ONE FOR PROPER TABLE SIZE	ZF000715
30*	022705.40	000011.12	30		LV, TMXD, \$R -FIRST CELL AVAIL FOR FILE AREA	ZF000716
31*	022706.00 *	070000.00	80		*I+, TFLLGN, 46 -ADD FILE AREA TABLE LENGHT	ZF000717
32*	022707.00	000011.14	30		LV, TMXE, \$R -FIRST CELL AVAILABLE FOR UNIT AREA TB	ZF000718
33*	022707.40	000000.34	82		LFT, TUNCT(TMXA) -THE NO. OF UNITS REQ TO FACTOR REG	ZF000719
34*	022710.40	110000.00	80		*I+, TUNLGN, 46 -ADD UNIT AREA TBL LENGHT	ZF000720
35*	022711.40	000011.16	30		LV, TMXF, \$R -FIRST CELL AVAIL FOR REEL NUMBER	ZF000721
36*	022712.00	215005.00	80		-(BU, 18), TLIMB, 46 -REMOVE THE BASE ADDRESS	ZF000722
37*	022713.00	215005.10	30		LV, TMXC, TLIMB -FIRST LOC AVAL FOR SYM I/O LOC TBL	ZF000723
38*				-		ZF000724
39*	022713.40	215005.20	30		LV, TMXG, TLIMB -PREPARE FOR TABLE ZEROING	ZF000725
40*	022714.00	000011.20	50		LC, TMXG, \$R	ZF000726
41*	022714.40	215225.16	90		KV, TMXF, TBAMCP -IS THE REEL POOL EXCEEDING BOUNDS	ZF000727
42*	022715.00	022717.72	42		BXL, TMIF -IF WITHIN PP ALLOWED LIMMITS	ZF000728
43*	022715.40	000004.03	01		LVI, TMX1, 4.0 -NOTE THE ERROR- OUTSIDE LIMITS	ZF000729
44*	022716.00	215005.40	80		CM0000(BU, 18), TMAXRF	ZF000730
45*	022717.00	022721.10	00		B, TMREJB -AND REJECT JOB	ZF000731
46*	022717.40	000000.22	08	T MIF	Z, 0.0(TMXG) -ZERO THE SLOTS	ZF000732
47*	022720.00	022717.61	48		CB+, TMXG, TMIF	ZF000733
48*	022720.40	022333.50	00		B, TM1 -GET THE FIRST CARD	ZF000734

LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION
1*			-		ZF000736
2*			-		ZF000737
3*			-	THE DISPATCHER TOLD MOVE TO REJECT NEXT JOB	ZF000738
4*			-		ZF000739
5*			-		ZF000740
6*			-		ZF000741
7*			-	A SPECIAL REJECT WHEN THE PPRUN INDEX HAS BEEN STEPPED	ZF000742
8*			-		ZF000743
9*	022721.00 *	000000.45 82 001000.36 FO	T MREJB	CM1111,TRJECT(TMXA)	ZF000744
10*	022722.00	000000.44 82 001000.36 FO		CM1111,TJBPRO(TMXA)	ZF000745
11*	022723.00	000000.07 05		V+I, TMXB, 0.0	ZF000746
12*	022723.40	022735.10 C0		B, TMREJS	ZF000747
13*			-		ZF000748
14*			-		ZF000749
15*	022724.00	000000.23 01	T MREJ	LVI, TMXEE, 0.0	ZF000750
16*	022724.40	000000.31 8F 022726.74 02		BB, C.25(\$15), TMREJ8	ZF000751
17*	022725.40	232232.04 10		LX, TMXA, TPRUN	ZF000752
18*	022726.00	022727.10 00		B, TMREJ7	ZF000753
19*	022726.40	232230.04 10	T MREJ8	LX, TMXA, TPPURF	ZF000754
20*	022727.00	000000.00 82 022027.20 50	T MREJ7	L, TCRREF(TMXA), 46	ZF000755
21*	022730.00	000000.34 82 010011.06 70		LF, TUNCT(TMXA), 18	ZF000756
22*	022731.00	000000.44 82 001000.36 FO		CM1111, TJBPRO(TMXA)	ZF000757
23*	022732.00	000000.31 8F 022734.74 02		BB, .25(\$15), TMREJS-.32	ZF000758
24*	022733.00	000002.05 07	T MREJ6	V+ICR, TMXA, 2.0	ZF000759
25*	022733.40	232232.05 10		SX, TMXA, TPRUN	ZF000760
26*	022734.00	232226.05 10		SX, TMXA, T SAV	ZF000761
27*	022734.40	000011.06 10		LX, TMXB, \$R	ZF000762
28*	022735.00 *	022766.30 42	T MREJS	BXCZ, TN2	ZF000763
29*	022735.40	000000.56 83 022027.20 50	T MREJ1	L, TABSCH(TMXB), 46	ZF000764
30*	022736.40	022764.34 C2		BRZ, TMREJ3	ZF000765
31*	022737.00	000011.20 30		LV, TMXG, \$R	ZF000766
32*	022737.40	000000.33 88 022761.74 00		BZB, TMULTI(TMXG), TMREJ5	ZF000767
33*	022740.40	215002.00 80 022027.30 10		-(BU, 18), TCHSXW, 46	ZF000768
34*	022741.40	022272.14 80 007027.20 D0		ST(BU, 7), TCAT+.12, 46	ZF000769
35*	022742.40	000000.00 88 022027.20 50		L, TUNTBA(TMXG), 46	ZF000770
36*	022743.40	000011.20 30		LV, TMXG, \$R	ZF000771
37*	022744.00	000000.07 83 003027.20 50		L, TABSUN(TMXB), 46	ZF000772
38*	022745.00	000011.20 B0		V+, TMXG, \$R	ZF000773
39*	022745.40	022272.57 80 003027.20 D0		ST(BU, 3), TCAT+.47, 46	ZF000774
40*	022746.40	000000.34 83 022027.20 50		L, TFREEL(TMXB), 46	ZF000775
41*	022747.40	022761.74 C2		BRZ, TMREJ5	ZF000776
42*	022750.00	000011.26 30		LV, TMXGA, \$R	ZF000777
43*	022750.40 *	000000.22 0B		Z, 0.0(TMXGA)	ZF000778
44*	022751.00	022272.21 02		LCI, TMXG, TCAT	ZF000779
45*	022751.40	000000.21 58		SC, TMXG, 0.0(TMXG)	ZF000780
46*	022752.00	000000.35 88 001000.00 FO		CM0000, TUNASG(TMXG)	ZF000781
47*	022753.00	000000.40 88 001000.36 FO		CM1111, TCHOWN(TMXG)	ZF000782
48*	022754.00	000000.65 88 001000.00 FO		CM0000, SIMNT(TMXG)	ZF000783
49*	022755.00	000000.63 88 001000.00 FO		CM0000, SMOUNT(TMXG)	ZF000784
50*	022756.00	022133.31 80 001000.36 FO		CM1111, TMFREJ	ZF000785

LINE	LOCATICN	BINARY	CUTPUT	NAME	STATEMENT	LOCATION	022757		
1*	022757.00	000040.10	00	T IPL5	B,DMCP	-GO TO THE D FREE ROUTINE	ZF000787		
2*	022757.40	000012.40	80		,DFREE	-AS TO REMOVE THE MOUNTED TAPES	ZF000788		
3*	022760.00	000003.00	80		,3.		ZF000789		
4*	022760.40	000000.40	88	001000.00	FO	CM000,TCHOWN(TMXX)	-RESET UNIT OWNER TO PP	ZF000790	
5*	022761.40	000000.22	03	T MREJ5	Z,0.0(TMXX)	-ZERO THE I/O REQ SLOT	ZF000791		
6*	022762.00	000000.76	88	022764.34	06	BBZ,TUNRES(TMXX),TMREJ3		ZF000792	
7*	022763.00	000000.77	88	001000.00	FO	CM000,TOVRES(TMXX)		ZF000793	
8*	022764.00 *	000001.22	83	022765.74	00	T MREJ3	BZB,TLAST+1.0(TMXX),TMREJ4 - TO PREVENT A LOOP	ZF000794	
9*	022765.00	232306.07	01			LVI,TMXX,TIOREQ-1.0		ZF000795	
10*	022765.40	022735.47	48	T MREJ4	CB+,TMXX,TMREJ1		ZF000796		
11*							ZF000797		
12*							ZF000798		
13*						PREPARE FOR RETURN	ZF000799		
14*							ZF000800		
15*							ZF000801		
16*	022766.00	215012.57	30	T N2	SV,TMXF,TMARK	-SAVE THE REEL POOL INDEX	ZF000802		
17*	022766.40	000011.03	30		SV,TMX1,\$R	-SAVE DISPOSITION	ZF000803		
18*	022767.00	022133.17	80	003036.46	70	LF(BU,3),TERFLG+.15,61	-GET THE IOD CARD ERROR IF ANY	ZF000804	
19*	022770.00	000000.34	8F	022027.20	D0	ST(BU,18),0.28(\$15),46		ZF000805	
20*	022771.00	000021.00	80	022134.30	E0	SWAPI,12,\$1,TSIOXW	-RESTORE INDEXES	ZF000806	
21*	022772.00	000001.10	0F			B,1.00(\$15)		ZF000807	
22*							ZF000808		
23*							ZF000809		
24*						CONVERSION SUBROUTINE	ZF000810		
25*							ZF000811		
26*							ZF000812		
27*	022772.40	000000.30	00	T MC0NV	NOP		ZF000813		
28*	022773.00	000011.20	80	060600.06	70	LF(BU,48,6),\$R+.16	-EXPAND TO 8 BIT BYTES.	ZF000814	
29*	022774.00	000011.40	80	040400.12	FO	SF(BU,32,4),\$R+.32	-CONTRACT TO 4-BIT BYTES.	ZF000815	
30*	022775.00	000011.71	01			LVI,LXA,\$R+.32		ZF000816	
31*	022775.40	231545.63	80	010020.06	70	LF(BU,8,8),LBLZCR,32		ZF000817	
32*	022776.40	000000.04	8C	104420.23	10	L CONVA	KF(BU,4,4)(V+I),.4(LXA),32	-IS 4-BIT BYTE 1010.	ZF000818
33*	022777.40 *	023001.37	42			BAH,LCONVB	- NO---BRANCH	ZF000819	
34*	023000.00	777777.74	8C	004400.00	FO	\$CM0000(BU,4,4),-.4(LXA)	- YES --- REPLACE BY 0000.	ZF000820	
35*	023001.00	000000.00	8C	004422.23	10	L CONVB	KF(BU,4,4),0.0(LXA),36	-IS NEXT BYTE 0000.	ZF000821
36*	023002.00	022776.76	C4			BZAEZ,LCONVA	- NO---GO BACK.	ZF000822	
37*	023002.40	000011.71	0D			V-I,LXA,\$R+.32	-CCMPUTE FIELD LENGTH.	ZF000823	
38*	023003.00	000034.22	80	006673.46	70	LF(BU,6,6),LXA+.18,119		ZF000824	
39*	023004.00	000010.30	30			LV,LXA,\$L		ZF000825	
40*	023004.40	000011.40	80	000400.24	3C	LCV(DU,0,4),\$R+.32,0.0(LXA)	-CONVERT.	ZF000826	
41*	023005.40	000000.10	01			B,0.0(TMXX)	-OUT OF ROUTINE.	ZF000827	
42*	000034.00+	+00000000		BU,100,10	L XA	SYN,TMLXA		ZF000828	
43*						CNOP		ZF000829	

LINE	LOCATION	BINARY	CUTPUT	NAME	STATEMENT	LOCATION
1*				-		ZZ000001
2*				- *****		ZZ000002
3*				-	THE UN-ASSIGN ROUTINE FOR DISASSIGNMENT	ZZ000003
4*				- *****		ZZ000004
5*				-		ZZ000005
6*	023006.00 *			SLC,\$		ZZ000006
7*	023006.00	000021.00	80	023133.20	A0 TJUNAS TI,8,\$1,TJSAV	ZZ000007
8*	023007.00	023144.75	80	001000.36	F0 CM1111,JHBIT -SET HEADING BIT FOR REEL HIST. PRINT	ZZ000008
9*	023010.00	215005.02	30		LV,TJA,SBAPP -GET THE FIRST WORD OF SIOL TABLE	ZZ000009
10*	023010.40	000001.03	05		V+1,TJA,1.0 -TO GET THE REAL FIRST WORD	ZZ000010
11*	023011.00	215005.42	50		LC,TJA,TMAXRF -THE MAX REF NO TO COUNT	ZZ000011
12*	023011.40	023117.70	42		BXCZ,TJEND -IF NO IODS FOR LAST JOB	ZZ000012
13*				-		ZZ000013
14*	023012.00	023012.40	00	T JNEXT	BE,\$+.32 -ENABLE PLEASE	ZZ000014
15*	023012.40	000000.04	31		LV,TJB,0.0(TJA) -GET ADD OF UNIT AREA TABLE	ZZ000015
16*	023013.00	023117.31	42		BXVZ,TJSTPA -IF SIOL TABLE SLOT IS ZERO	ZZ000016
17*	023013.40	000001.76	82	023117.34	0E BBI,SUUNAS(TJB),TJSTPA -BR. IF UNIT ALREADY UNASSIGNED	ZZ000017
18*	023014.40	000000.06	32		\$LV,TJC,TCHANN(TJB) -GET THE CHAN NUMBER	ZZ000018
19*	023015.00	000000.06	82		\$V+,TJC,TCHANN(TJB) -TIMES TWO	ZZ000019
20*	023015.40	215002.06	80		V+,TJC,TCHSXW	ZZ000020
21*	023016.00	000023.10	30		LV,TJD,TJC -FOR THE EQUIPMENT CHECK	ZZ000021
22*	023016.40	000000.33	84	023022.74	00 BZB,TMULTI(TJD),TJNTPA -IF A SINGLE UNIT CHAN	ZZ000022
23*	023017.40	000000.06	33		LV,TJC,TUNTBA(TJC) -GET UNIT STATUS TABLE ADDRESS	ZZ000023
24*	023020.00	000000.46	82		\$V+,TJC,TUNITN(TJB) -ADD UNIT NO TO GET UNIT SLCT	ZZ000024
25*	023020.40 *	000000.64	84	023022.74	00 BZB,TEQUIP(TJD),TJNTPA -IF NOT TAPE	ZZ000025
26*	023021.40	023202.40	80		SIC,JHISTX -TO PRINT REEL HISTORY	ZZ000026
27*	023022.00	023144.10	00		B,JHISTE	ZZ000027
28*	023022.40	000000.35	83	023117.34	02 T JNTPA BB,TUNASG(TJC),TJSTPA -IF ALREADY FREED	ZZ000028
29*	023023.40	000000.64	84	023057.34	00 BZB,TEQUIP(TJD),TJNTP -IF NOT TAPE	ZZ000029
30*	023024.40	000003.04	32		LV,TJB,TFIAAC(TJB) -GET THE LAST FILE ACTIVATED	ZZ000030
31*	023025.00	000000.10	52		LC,TJD,TIDDRN(TJB) -THEN GET THE REF NUMBER	ZZ000031
32*	023025.40	023044.11	50		SC,TJD,TJFRE -AND SAVE FOR THE FREE ROUTINE	ZZ000032
33*	023026.00	000000.34	83	023104.74	02 BB,SUNAVL(TJC),TJTAP -SKIP FREE IF UNIT DOWN.	ZZ000033
34*	023027.00	000000.31	84	023104.74	02 BB,SCHAVL(TJD),TJTAP	ZZ000034
35*	023030.00	023030.44	00		BD,\$.32	ZZ000035
36*	023030.40	000000.20	33		LV,8,(TJC)	ZZ000036
37*	023031.00	000002.36	82	002027.20	50 L(BU,2),2.30(TJB),46	ZZ000037
38*	023032.00	000010.60	38		LV,8,SCREEL(\$8)	ZZ000038
39*	023032.40	000000.32	88	002077.06	70 C0011(BU,2),.26(\$8),-2	ZZ000039
40*	023033.40	000010.00	80	002000.32	80 M-1(BU,2),\$L	ZZ000040
41*	023034.40 *	023041.34	00		BZRZ,RUNLOA	ZZ000041
42*	023035.00	000011.20	30		LV,8,\$R	ZZ000042
43*	023035.40	000000.14	08		BR,(\$8)	ZZ000043
44*	023036.00	023051.50	00		B,RTCSAV+1.0	ZZ000044
45*	023036.40	000000.30	00		NOP	ZZ000044
46*	023037.00	023050.50	00		B,RTCSAV	ZZ000045
47*	023037.40	000000.30	00		NOP	ZZ000045
48*	023040.00	215001.06	80	023051.74	02 BB,SPINCL,RTCSAV+1.0	ZZ000046
49*	023041.00	000000.63	83	001000.00	F0 RUNLOA CM0000(BU,1),SMOUNT(TJC)	ZZ000047
50*	023042.00	000000.65	83	001000.00	F0 CM0000(BU,1),SIMNT(TJC)	ZZ000048
51*	023043.00	000040.00	00		BE,\$MCP	ZZ000049
52*	023043.40	000014.40	80		,SFREE	ZZ000050
53*	023044.00	000000.00	80		TJFRE ,0	ZZ000051
54*	023044.40	023104.50	00		RSWTCH B,TJTAP	ZZ000052
55*	023045.00	023044.63	80	001000.00	F0 CM0000(BU,1),RSWTCH.19	ZZ000053
56*	023046.00	215001.10	80	023104.74	00 BZB,SYSMOD,TJTAP	ZZ000054

LINE	LOCATION	BINARY	OUTPUT	NAME	STATEMENT	LOCATION	023047
1*	023047.00	000000.64	83 002000.36	F0	CM1111(BU,2),.52(TJC)		ZZ000055
2*	023050.00 *	023105.50	00		B,TJTAP+1.0		ZZ000056
3*	023050.40	215001.06	80 023041.34	02 RTCSAV	BB,SPINCL,RUNLOA		ZZ000057
4*	023051.40	000000.64	83 023054.34	04	BZBZ,SREW(TJC),REMIND		ZZ000058
5*	023052.40	000000.32	83 002000.00	FC	CMOC00(BU,2),STATI(TJC)		ZZ000059
6*	023053.40	023046.00	00		BE,RSWTCH+1.32		ZZ000060
7*	023054.00	000000.63	83 023056.34	00 REMIND	BZB,SMOUNT(TJC),\$+2.0		ZZ000061
8*	023055.00	000000.65	83 001000.36	F0	CM1111(BU,1),SIMNT(TJC)		ZZ000062
9*	023056.00	023044.63	80 023043.34	0C	BZB1,RSWTCH.19,RUNLOA+2.0		ZZ000063
10*	023057.00	000000.32	84 023103.74	00 T JNTP	BZB,SCHOP(TJD),TJTEST -IF CHAN IS NOT OPERATING		ZZ000064
11*	023060.00	000000.37	83 023060.34	02	BB,SSETUP(TJC),\$		ZZ000065
12*	023061.00	000000.47	83 023103.74	02	BB,SSEL(TJC),TJTEST -IFUNIT IS NOT SELECTED DONT RELEASE		ZZ000066
13*	023062.00	023062.44	00		BD,\$+.32 -PLEASE DISABLE FOR THE FOLLOWING		ZZ000067
14*	023062.40	000000.12	32		\$LV,TJE,TCHANN(TJB) -GET THE CHANN NUMBER		ZZ000068
15*	023063.00 *	000000.64	84 004000.06	70	LF,TEQUIP(TJD) -GET THE TYPE OF UNIT		ZZ000069

LINE	LOCATIONN	BINARY	OUTPUT	NAME	STATEMENT	LOCATIONN	023064	
1*	023064.00	040000.00	80	404000.23	10	KFI(BU,4),1	-LOOK FOR DISK	ZZ000071
2*	023065.00	023067.76	C0			BZAE,TJCC1	-IF NOT DISK	ZZ000072
3*	023065.40	023066.00	00			BE,\$+.32		ZZ000073
4*	023066.00	000000.32	84	023066.34	02	BB,SCHOP(TJD),\$		ZZ000074
5*	023067.00	023103.44	00			BD,TJTEST		ZZ000075
6*						-		ZZ000076
7*	023067.40	000003.13	02			T JCC1 LCI,TJE,3.0	-SET COUNT FOR THE NUMB OF RETRYS	ZZ000077
8*	023070.00	000000.00	85	023143.21	00	T JCC CCW,.0(TJE),TJCW	-GET CHAN CW FCR TEST	ZZ000078
9*	023071.00	023072.43	44			BZEKJZ,TJCK1	-IF EXCHANGE OK	ZZ000079
10*	023071.40	023070.12	48			CB,TJE,TJCC	-KEEP TRYING	ZZ000080
11*	023072.00	023131.50	00			B,TJDISP	-EXCHANGE CHECK	ZZ000081
12*	023072.40	023143.26	80	023067.74	00	T JCK1 BZB,TJCW+.0.22,TJCC1	-WAIT FOR EOP	ZZ000082
13*						-		ZZ000083
14*	023073.40	000003.13	02			LCI,TJE,3.0	-FOR RELEASE RETRYS	ZZ000084
15*	023074.00	000000.00	85	000000.33	00	T JREL REL(SEOP),0.0(TJE)	-TRY TO CLEAR CHAN	ZZ000085
16*	023075.00	023076.43	44			BZEKJZ,TJCK2	-IF OK	ZZ000086
17*	023075.40	023074.12	48			CB,TJE,TJREL	-RETRY AGAIN	ZZ000087
18*	023076.00	023131.50	00			B,TJDISP	-IF NO MORE RETRYS	ZZ000088
19*	023076.40	000003.13	02			T JCK2 LCI,TJE,3.0		ZZ000089
20*	023077.00	000000.00	85	023143.21	00	T JCK CCW,.0(TJE),TJCW		ZZ000090
21*	023100.00	023101.43	44			BZEKJZ,TJCK3		ZZ000091
22*	023100.40	023077.12	48			CB,TJE,TJCK	-KEEP ON TRYING	ZZ000092
23*	023101.00	023131.50	00			B,TJDISP	-IF NO MORE TRYS	ZZ000093
24*	023101.40	023143.30	80	023076.74	02	T JCK3 BB,TJCW+.24,TJCK2	-IF SEOP IS STILL ON	ZZ000094
25*	023102.40	000000.32	84	001000.00	F0	T JCM CM0000,SCHOP(TJD)	-DROP THE CHAN OPERATING BIT	ZZ000095
26*	023103.40	000000.33	84	023112.34	00	T JTEST BZB,TMULTI(TJD),TJNTPS	-IF A SINGLE UNIT CHAN	ZZ000096
27*	023104.40	000000.63	83	003000.00	F0	T JTAP CM0000(BU,3),.51(TJC)		ZZ000097
28*	023105.40	000000.62	83	001000.00	F0	CM0000(BU,1),.50(TJC)		ZZ000098
29*	023106.40	000000.66	83	006000.00	F0	CM0000(BU,6),.54(TJC)		ZZ000099
30*	023107.40	000000.47	83	012000.00	F0	CM0000(BU,10),.39(TJC)		ZZ000100
31*	023110.40	000000.36	83	002000.00	F0	CM0000(BU,2),.30(TJC)	-RESET THE UNIT STATUS BITS	ZZ000101
32*	023111.40	023116.10	00			B,TJSTP		ZZ000102
33*						-		ZZ000103
34*	023112.00	000000.36	83	002000.00	F0	T JNTPS CM0000(BU,2),0.30(TJC)	-RESET THE CHAN STATUS BITS	ZZ000104
35*	023113.00	000000.47	83	012000.00	F0	CM0000(BU,10),.39(TJC)		ZZ000105
36*	023114.00	000000.62	83	003000.00	F0	CM0000(BU,3),.50(TJC)		ZZ000106
37*	023115.00	000000.71	83	005000.00	F0	CM0000(BU,5),0.57(TJC)		ZZ000107
38*	023116.00	000000.35	83	001000.36	F0	T JSTP CM1111,TUNASG(TJC)	-SET UNIT UN- ASSIGNED	ZZ000108
39*	023117.00	023012.03	48			T JSTPA CB+,TJA,TJNEXT	-GO FOR NEXT	ZZ000109
40*						-		ZZ000110
41*	023117.40	023120.04	C0			T JEND BD,\$+.32		ZZ000111
42*	023120.00	215005.43	50			SC,TJA,TMAXRF	-RESET MAX REF NG. TO ZERO	ZZ000112
43*	023120.40	215021.42	30			LV,\$1,SPROGS+.32	-GET TOTAL INTERRUPT COUNT	ZZ000113
44*	023121.00	023127.71	42			BXVZ,YC4BZ-.32		ZZ000114
45*	023121.40	215022.42	80			V+,\$1,SPROGS+1.32		ZZ000115
46*	023122.00	000021.02	50			LC,\$1,\$1		ZZ000116
47*	023122.40	215420.03	01			LVI,\$1,SQUE	-SQUE IS THE LOCATION	ZZ000117
48*	023123.00	215420.05	01			LVI,\$2,SQUE	-OF THE INTERRUPT QUEUE	ZZ000118
49*	023123.40	000000.23	81	123000.20	50	YUNSTL L(BU,19)(V+I),.19(\$1)	-GET AN INTERRUPT.	ZZ000119
50*	023124.40	000011.77	80	023126.74	00	BZB,\$R+.63,YUNSCB	-PP INTERRUPT - FORGET IT.	ZZ000120
51*	023125.40	000000.23	82	123000.20	D0	ST(V+I)(BU,19),.19(\$2)	-REPACK MCP INTERRUPT.	ZZ000121
52*	023126.40	023123.42	48			YUNSCB CB,\$1,YUNSTL	-LOOP	ZZ000122

LINE	LOCATIONN	BINARY	CUTPUT	NAME	STATEMENT	LOCATIONN	023127
1*	023127.00	215466.05	30		SV,\$2,SCUMQ	-RESET COUNT,NEXT AVAILABLE SLOT.	ZZ000124
2*	023127.40	215021.22	00		Z,SPROGS		ZZ000125
3*	023130.00	023133.00	80	000021.20 A0	YC4BZ	TI,8,TJSAV,\$1	ZZ000126
4*	023131.00	000000.00	0F		BE,0.0(\$15)	-AND RETURN	ZZ000127
5*							ZZ000128
6*	023131.40	003406.35	01	T JDISP	LVI,\$14,SREJ	-GO TO THE DISP WITH ERROR CODE	ZZ000129
7*	023132.00	217451.40	80		SIC,SDISIC	-SAVE THE LOC CTR FOR ERROR CONTROL	ZZ000130
8*	023132.40	217372.04	00		BD,SDISP		ZZ000131
9*							ZZ000132
10*	023133.00 *	000010.00		TJSAV	DR(N),(8)		ZZ000133
11*	000021.00+	+00000000		BU,100,10	T JA	SYN,\$1	ZZ000134
12*	000022.00+	+00000000		BU,100,10	T JB	SYN,\$2	ZZ000135
13*	000023.00+	+00000000		BU,100,10	T JC	SYN,\$3	ZZ000136
14*	000024.00+	+00000000		BU,100,10	T JD	SYN,\$4	ZZ000137
15*	000025.00+	+00000000		BU,100,10	T JE	SYN,\$5	ZZ000138
16*	000026.00+	+00000000		BU,100,10	J TX1	SYN,\$6	ZZ000139
17*	000027.00+	+00000000		BU,100,10	J TX2	SYN,\$7	ZZ000140
18*	000022.00+	+00000000		BU,100,10	JUAX	SYN,TJB	ZZ000141
19*	023143.00	000000.00+	000 000000 000000	T JCW	XW	-THE COPY CONTROL WORD AREA	ZZ000142

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LINE	LOCATION	BINARY OUTPUT	NAME	STATEMENT	LOCATION	
1*				*****	ZZ000144	
2*				***** PRINT PROBLEM PROGRAM REEL HISTORY *****	ZZ000145	
3*				*****	ZZ000146	
4*					ZZ000147	
5*				LINKAGE... FOR JOBS INITIAL ENTRY, SET JHBIT = 1	ZZ000148	
6*				FOR EACH ENTRY, INDEX JUAX = UNIT AREA ADDRESS	ZZ000149	
7*				SIC,JHISTX	ZZ000150	
8*				B,JHISTE	ZZ000151	
9*				(RETURN)	ZZ000152	
10*				INDEX REGISTERS USED AND NOT RESTORED	ZZ000153	
11*				ARE JTX1 (VF,CF), JTX2 (VF).	ZZ000154	
12*					ZZ000155	
13*	023144.75+	+00000000	BU,01 ,10	JHBIT SYN(BU,1),JHISTE+.61	-SET TO 1 FOR 1ST UNIT OF EA. JOB	ZZ000156
14*	023144.00	023144.75 80	023151.34 04	JHISTE BZBZ,\$.61,JHIST1	-FALL THRU FOR 1ST TIME	ZZ000157
15*	023145.00	231444.00 80	060600.06 70	LF(BU,48,6),YJCDB1+1.	-PICK UP JOB NAME AND	ZZ000158
16*	023146.00	023210.50 80	000000.12 F0	SF(BU),J1STPG+.40	-STORE IN A8	ZZ000159
17*	023147.00	224052.00 80		SIC,ZSPLP9	-PRINT HEADING	ZZ000160
18*	023147.40	224046.44 00		BD,ZSPLPR	-ON NEXT PAGE	ZZ000161
19*	023150.00	023210.00 80		,J1STPG		ZZ000162
20*	023150.40	000006.00 80		,6.0		ZZ000163
21*						ZZ000164
22*	023151.00	000000.14 82	007000.20 30	JHIST1 LCV,SCHANN(JUAX)	-CONVERT CHANNEL NO.	ZZ000165
23*	023152.00	023207.00 80		SIC,JEDEX		ZZ000166
24*	023152.40	023203.10 00		B,JEDIN	-EDIT INTO A8	ZZ000166
25*	023153.00	023217.10 80	020000.12 F0	SF(BU,16),JCHNUN+.72		ZZ000167
26*	023154.00	000000.57 82	003000.20 50	L,SUNITN(JUAX)	-CONVERT UNIT NO.	ZZ000168
27*	023155.00	023207.00 80		SIC,JEDEX		ZZ000169
28*	023155.40	023204.10 00		B,JEDIN+1.0	-EDIT INTO A8	ZZ000169
29*	023156.00 *	023220.10 80	010000.12 F0	SF(BU,8),JCHNUN+2.08		ZZ000170
30*						ZZ000171
31*	023157.00	000003.14 32		LV,JTX1,SFIAAC(JUAX)	-LAST FILE ACTIVATED	ZZ000172
32*	023157.40	000000.00 86	022000.20 30	LCV,SIODRN(JTX1)	-LAST IOD NO.	ZZ000173
33*	023160.40	023207.00 80		SIC,JEDEX		ZZ000174
34*	023161.00	023203.10 00		B,JEDIN		ZZ000174
35*	023161.40	023224.30 80	040000.12 F0	SF(BU,32),JCHNUN+6.24		ZZ000175
36*	023162.40	224052.00 80		SIC,ZSPLP9	-PRINT CH, UNIT, IOD	ZZ000176
37*	023163.00	224046.44 00		BD,ZSPLPR		ZZ000177
38*	023163.40	023216.00 80		,JCHNUN		ZZ000178
39*	023164.00	000007.00 80		,7.0		ZZ000179
40*						ZZ000180
41*	023164.40	000010.71 82	007027.20 50	L,SREELK(JUAX),46	-REEL COUNT	ZZ000181
42*	023165.40	000011.14 50		LC,JTX1,\$R		ZZ000182
43*	023166.00	023226.07 80	001000.36 F0	CM1111(BU,1),JTAPLB+.7	-SET DOUBLE SPACE	ZZ000183
44*	023167.00	000010.14 32		LV,JTX1,SFREEL(JUAX)	-FIRST REEL SLOT LOC.	ZZ000184
45*						ZZ000185
46*	023167.40	000000.42 86	036600.06 70	JHIST2 LF(BU,30,6),.34(JTX1)	-REEL NAME	ZZ000186
47*	023170.40	023172.34 00		BZRZ,\$+1.32		ZZ000187
48*	023171.00 *	023233.40 80	036600.06 70	LF(BU,30,6),JASTK		ZZ000188
49*	023172.00	023227.30 80	050000.12 F0	SF(BU,40),JTAPLB+.88		ZZ000189
50*	023173.00	000000.32 86	002026.60 50	L(BU,2),TREP(R(JTX1),45	-REL. LOC. OF 3 CHAR.	ZZ000190

LINE	LOCATICN	BINARY OUTPUT	NAME	STATEMENT	LOCATION	023174
1*	023174.00	C00C11.16 30		LV,JTX2,\$R		ZZ000192
2*	023174.40	023230.00 87 040000.06 70		LF(BU,32),JTAPMD(JTX2)		ZZ000193
3*	023175.40	023227.00 80 030000.12 FC		SF(BU,24),JTAPLB+1.0		ZZ000194
4*	023176.40	224052.00 80		SIC,ZSPLP9		ZZ000195
5*	023177.00	224046.44 00		BD,ZSPLPR		ZZ000196
6*	023177.40	023226.00 80		,JTAPLB		ZZ000197
7*	023200.00	000002.00 80		,2.0		ZZ000198
8*	023200.40	023226.07 80 001000.00 FO		CMOC00(BU,1),JTAPLB+.7	-RESET TO 1 SPACE	ZZ000199
9*	023201.40	000000.14 36		LV,JTX1,0.0(JTX1)	-NEXT REEL ADDR.	ZZ000200
10*	023202.00	023167.54 48		CB,JTX1,JHIST2	-LOOP THRU ALL REELS	ZZ000201
11*	023202.40	023202.40 00	JHISTX	BE,\$	-SIC TYPE EXIT	ZZ000202
12*			-			ZZ000203
13*			-	*****EDIT ROUTINE*****		ZZ000204
14*			-			ZZ000205
15*	023203.00	C00011.60 80 020400.06 70	JEDIN	LF(BU,16,4),\$R+.48	-4 BIT TO 8 BIT BYTES	ZZ000206
16*	023204.00	023232.00 80 040400.24 10		+(DU,32,4),JKON9	-ENTER HERE IF 8 BIT BYTES	ZZ000207
17*	023205.00 *	023232.40 80 040000.20 10		+(BU,32,8),JKON1		ZZ000208
18*	023206.00	023233.00 80 040000.02 70		C00C1(BU,32),JKONZ		ZZ000209
19*	023207.00	023207.10 00	JEDEX	B,\$		ZZ000210
20*			-			ZZ000211
21*	023207.40	000000.30 00		CNOP	-EJECT PAGE	ZZ000212
22*	023210.00		J1STPG	(A*)DD(BU),1JOB XXXXXXXX USED THE FOLLOWING TAPE REELS.....*		ZZ000213
23*				CNOP	-TRIPLE SPACE	ZZ000214
24*	023216.00 *		JCHNUN	(A*)DD(BU),KCHANNEL XX UNIT X LAST ACTIVATED BY*		ZZ000215
25*	023222.40			(A*)DD(BU), REFERENCE NO. XXXX *		ZZ000216
26*	023225.40	000000.30 00		CNOP	-1ST DOUBLE THEN SINGLE.	ZZ000217
27*	023226.00		JTAPLB	(A*)DD(BU),J AAANNNNN*		ZZ000218
28*	023230.00		JTAPMD	(A*)DD(BU), NUL NLB PUL PLB*		ZZ000219
29*	023232.00		JKCN9	DD(BU,32,4),(16)09090909		ZZ000220
30*	023232.40		JKCN1	DD(BU,32,4),(16)01010101		ZZ000221
31*	023233.00		JKONZ	DD(BU,32),(16)0F0F0F0F		ZZ000222
32*	023233.40		JASTK	(AX)DD(BU,30,6),*****X		ZZ000223
33*	023233.76 *	000000.00		END,0		ZZ000224

SYMBOLS NEVER USED IN PROGRAM

UNUSE1	000002.00
UNUSE2	000007.00
X9A3* 1	000114.00
X9A5* 1	000121.40
X1EERR* 1	000151.00
X4ERR* 1	000164.40
X7ERR* 1	000170.00
XLR* 1	000250.00
XEEEEOP* 1	000000.00
X101* 1	000623.00
X104* 1	000627.00
X112* 1	000647.00
X13* 1	000655.00
X13A* 1	000665.40
X131A* 1	000671.40
X132* 1	000674.00
X132AA* 1	000676.00
X133* 1	000702.40
X136* 1	000711.00
X141* 1	000714.00
X16* 1	000727.40
X181* 1	000742.00
X191* 1	000761.00
X192* 1	000765.40
X20* 1	000770.40
X20A* 1	000777.00
X20A1* 1	001001.40
X20A3* 1	001004.40
XCATE* 1	001012.00
X10B* 1	001162.40
X103* 1	001174.40
X20B1* 1	001423.00
X221* 1	001433.00
X23* 1	001444.00
X231* 1	001444.40
X232A* 1	001447.00
X23N* 1	001451.40
X236* 1	001454.40
X241* 1	001466.40
X24A3* 1	001474.40
X251* 1	001501.00
X261* 1	001507.40
X262* 1	001512.00
X263* 1	001514.00
X264* 1	001514.40
X265* 1	001515.00
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X292* 1	001527.00
X295* 1	001531.40
X301* 1	001533.00
X302* 1	001533.40
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X311* 1	001551.00
XREJ1* 1	001553.40
XMODE3* 1	001570.40

XNOCW* 1	001573.00
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X23* 1	001616.00
X231* 1	001617.40
X232* 1	001620.40
X234* 1	001623.40
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X241A* 1	001643.40
X251* 1	001650.40
X253* 1	001653.00
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X264* 1	001664.40
X271* 1	001667.40
X274* 1	001671.40
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X279* 1	001745.00
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XARCK* 1	001776.00
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XABN* 1	002146.74
SCHANK* 1	002152.34
SCHANS* 1	002152.00
SCATE* 1	002164.00
SIODAY* 1	002165.00
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SSPACE	000000.73
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SCERR	003407.00
SIFIX	215167.00
SITBAS	215227.00

MMK2	215567.00
MMK3	215646.00
WCCNE	216351.00
YSFLOR	231363.00
JWLOD2	216614.00
CRET1	217161.00
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SCSPDS	217452.00
ZFR01	220307.00
ZID02	221052.00
ZE3	221160.40
KRONLY	221776.40
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VBYPAN	225104.40
RICNRJ	230150.00
YC1SC	231035.00
YSJDOS	231054.40
YC1JCM	231112.00
YC1IDM	231115.00
YFDO	231147.00
YIPL1	231230.00
LREEL	231701.00
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GNOP	232604.00
ZCOM03	233101.00
ZI2	233115.00
XIRCTR	234156.40
XIRCTC	234164.40
CLOCCT	234415.00
ALDA5	234626.00
YRLEJJ	235332.00
YLREST	235335.00
PE2	234447.00
PSC5	234465.00
ACMPB	235336.00
AUNCNB	235420.00
AERBT	235432.40
AINTC2	235471.00
AIMMD2	235520.40
AL00P2	235733.40
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ACUT6	235777.40
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APT24	236156.00
APT48	236157.00
AIPT16	236160.00
JFAR7	234616.00
ZCOMPC	235035.00
ZSMMSG1	235205.00
ZIYPR5	235320.40
ZEA2	235411.00
ZEA3	235411.40
YEOJP	020223.00
WJ4PB	020264.00
WJ4PC	020273.00
WJ4PF	020274.00

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WJ4PE 020301.00
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WJ4PI 020314.00
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WJCVC 020330.00
WSYSC1 020406.40
YBCRD 020202.40
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TIPL4 021706.40
TE 021721.00
TIPLB1 021776.00
TF5A2 022034.00
TIPLB2 022040.00
TEKCT 000031.75
TMREJ6 022733.00
TIPL5 022757.00
TJCM 023102.40

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THIS ASSEMBLY REQUIRED 000952 SECOND(S). FOR 20228 UNITS
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