



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION  
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OCT 11 1970

R. A. LAPSON

IN REPLY REFER TO: 70-FS55-190

NOV 23 1970

MEMORANDUM TO: See list attached

FROM : FS/Chief, Flight Support Division

SUBJECT : LGC Flagbit Reference List (Apollo 14)

1. Reference is made to our memorandum 70-FS55-164 dated October 30, 1970, subject: "CMC Flagbit Reference List."
2. The enclosed document contains a list of all settings (to 1), re-settings (to 0), and testings (e.g., branching if the bit is on or off), done by the Apollo 14 LGC Flight Program LUMINARY 1D (revision 178 of LUMINARY). It is the LGC equivalent of the reference memorandum.
3. The page numbers refer to actual MIT listing page numbers where the reference occurred. The "routine" is the nearest preceding tag in the listing. Bit mnemonics do not necessarily correspond to MIT names (but do whenever possible).
4. Included are all flagwords ("FLAGWRD," "FLGWRD"), channels on the telemetry (11, 12, 13, 14, 30, 31, 32, 33, 77), DAPBOOLS, RCSFLAGS, DSPTAB+11, IMODES30, IMODES33, and RADMODES.
5. Please note that this document is not official MSC software documentation and is intended only for information and quick reference. Questions on true program behavior should be directed to MIT/SDL directly or via this division. This document was generated for use in real time by AGC personnel in the MCC and is being distributed only because it is thought to have use to a wider audience.
6. Please direct comments, questions, corrections, requests for copies, or requests for distribution removal to Mr. J. R. Garman at MSC, extension 2308. The distribution of this and the reference memorandum is to be reduced to only those people requesting it by phone or letter.

  
Lynwood C. Dunseith

Enclosure

FS55:JRGarman:beb

## FLAGWRDO

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	NEED2FLG	SET	RATEDISP	0269
		RESET	DOFSTR1 TOTATTER TOBALL	0217 0269 0479
		TEST	ALTDSPY	1393
14	JSWITCH	SET	AMOVED	1222
		RESET	DOFSTR1 INTGRATE	0217 1217
		TEST	DIFEQO DIFEQ+2 DIFEQCOM	1217 1220 1222
13	MIDFLAG	SET	TFSTLOOP	1197
		RESET	DOFSTR1 TESTLOOP	0217 1197
		TEST	ACCOMP TIMESTEP DOW..	1209 1216 1224
12	MOONFLAG	SET	P21CONT INTINT INITVEL4 REV83 OTHINT	0647 0658 0680 0695 0696
			P76SUB1 DDUMCALC SETMOON USEPIOS INTWAKEM	0701 0770 1190 1192 1204
		RESET	DOFSTR1 P21CONT INTINT INITVEL4 REV83	0217 0647 0668 0679 0695
			OTHINT P76SUB1 CLRMOON INTWAKEU	0696 0701 1190 1204
		TEST	ATOPCSM ATOPLEM INTEGRVS RECTOUT KEPPREP	1190 1191 1194 1196 1207
			ACCOMP GETRPSV DBLATE COMTERM TIMESTEP	1209 1210 1213 1214 1216
11	P21FLAG		ORIGCHNG ORIGCHNG DOW..	1218 1218 1224
		SET	P21VSAVE	0647
		RESET	DOFSTR1 PCLOOP	0217 0221
	TEST	P21PRG2	0646	
10	FSPASFLG	SET	PROG20A R21LEM4	0502 0517
		RESET	DOFSTR1 P20LEM5 R21LFM00	0217 0503 0517
		TEST	526ALRM1 R21LEM00	0502 0517
9	P25FLAG	SET	PROG25	0509
		RESET	DOFSTR1 POOH RESET22 TRMTRACK FLAGORGY	0217 0233 0235 0290 0768
		TEST	V37RET RENDVOO NOUVEAU RENDNOO TRMTRACK	0232 0235 0235 0235 0290
			P25LEM1 R61C+L1	0509 0527

## FLAGWRDO

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
8	IMUSE	SET	IMUCHK ROZZERO	0963 1310
		RESET	IMUOP DOFSTR1 POOH RESET22 NJUVFAU	0180 0217 0233 0235 0236
		TEST	TRMTRAK1 ENDTEST1 SOMERR2 PRESTAND	0290 0380 0391 1313
		TEST	ENDTNON OPONLY IMUOP AGSVCALC	0169 0170 0180 0212
7	RNDVZFLG	SET	PROG20A	0501
		RESET	IMUOP DOFSTR1 POOH RESET22 TRMTRACK	0180 0217 0233 0235 0290
			PROG25 FLAGORGY P12LM PRESTAND	0509 0768 0823 1313
		TEST	RRCDUCHK V37RET NOUVEAU RENDVOO RENDNOO	0189 0232 0235 0235 0235
		TEST	TRMTRACK RELINUS P2OLEMC1 P2OLEMC R22LEM	0290 0481 0505 0505 0511
		TEST	R61C+L1 LUNDESCH CALLDGCH	0527 0546 0600
6	RRNBSW	SET	OKDESNB	0550
		RESET	DOFSTR1 RRDESSM NOTSHIFT	0217 0545 0574
		TEST	DODES DONBRD	0555 0557
5	LOKONSW	SET	AURLOKON R21LEM3	0273 0516
		RESET	DOFSTR1 NOLOKON R21LEM6 R21LEM8	0217 0273 0516 0517
		TEST	SIGNLCHK	0558
4	NEEDFLG	SET	TOTATTER TOBALL	0269 0479
		RESET	DOFSTR1 DAPATTER	0217 0269
		TEST	ALTDSPY	1393
3	FREEFLAG	SET	CHKSD CHKSDATA GRAVEL POSITB	0927 0927 0946 0966
		RESET	DOFSTR1 CHKSD GRAVEL LSPOS	0217 0927 0946 0965
		INVERT	CHKSB	0927
		TEST	R51.3 CHKSB P51E PROGRAV DOALIGN	0923 0927 0932 0946 0951
		TEST	POSITB	0966
2	R1OFLAG	SET	ABRTJASK P12LM	0817 0823
		RESET	DOFSTR1	0217
		TEST	CROSCOMP	0884

## FLAGWRDO

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
1	P66PROFL	SET	DEC66	0783
		RESET	DOFSTR1 STOPFIRE	0217 0798
		TEST	ENGARM&	0801

## FLAGWRD1

BIT	MNEMONIC	ACTION	ROUTINE	PAGE	
15	NJETSFLG	SET RESET TEST	DPDAT1 DOFSTR1 DPDAT1 P41LM	0297 0217 0297 0738	
14	DIDFLAG	SET RESET TEST	DTSPINIT DOFSTR1 PCLOOP ALTSTUFF	0885 0217 0221 0886 0881	
13	ERADFLAG	RESET TEST	DOFSTR1 P21DSP TSTRLSRM SETRE	P52LS P57POST 0217 0648 0913 0952 1119 1119	
12	RODFLAG	SET RESET TEST	STRTP66A DOFSTR1 PCLOOP RESTART&	P66 0784 0217 0221 0799 0784	
11	NOTERFLG	SET RESET TEST	TEROFF STRTP66A DOFSTR1 FLAGORGY POSUPDAT	0275 0784 0217 0768 0869	
10	R61FLAG	SET RESET TEST	R61LEM DOFSTR1 R65LEM R61C+L06	0524 0217 0524 0526	
9	(NOT USED)	RESET	DOFSTR1	0217	
8	VEHUPFLG	SET RESET TEST	CSMVEC DRBCHGO DOFSTR1 LFMVEC UPPSV5 LSR22.3 SHAFTBQ TRUNBQ	NJWMATX SETX2 FAZAB3	0292 0499 0217 0291 0501 0507 0584 0585 0586 0587 0589 0590 1136 1136
7	UPDATFLG	SET RESET TEST	STATQUO PROG20A P33/P73C P20FLGON DOFSTR1 SEUDOPOD R22LEM3	P30 P30N33 S34/35.5 TRMTRAK1 P30N33 P32/P72C CLUPDATE	0235 0501 0608 0608 0617 0622 0623 0669 0217 0234 0290 0608 0672 0513

## FLAGWRD1

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	NOUPFLAG	SET	UPDATOFF	0292
		RESET	DOFSTR1 NOUPDOWN	0217 0292
		TEST	R22LEM3	0512
5	TRACKFLG	SET	STATQUO PROG20A PROG25 P30 P20FLGON P76	0235 0501 0509 0608 0623 0699
		RESET	DOFSTR1 SEUDOPOO TRMTRAK1 RNDREFDR	0217 0234 0290 1293
		TEST	CHECKRP TPMTRACK RELINUS P20LEMB P20LEMC	0283 0290 0481 0503 0505
			P20LEMWT P20LEMC1 P20LEMD1 P25LEM1 R22LEM	0505 0505 0506 0509 0511
			R22LEM2 R61LEM1 P61C+L02	0512 0525 0525
4	(NOT USED)	RESET	DOFSTR1	0217
3	SLOPESW	SET	LAMBERT	1173
		RESET	DOFSTR1 ITERATOR	0217 1162
		TEST	ITERATOR LAMBLOOP	1162 1175
2	GUESSW	SET	INITVEL	0677
		RESET	DOFSTR1 INITVEL4	0217 0679
		TEST	MINCOGA	1174
1	(NOT USED)	RESET	DOFSTR1	0217

## FLAGWRD2

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	DRIFTFLG	SET	ISSUP AVGEND NCOARSE	0169 0850 0933
		RESET	DOFSTR1 BIBIBIAS GYCOARS RNDREFFDR	0217 0843 0925 1293
		TEST	ISSUP NBDONLY SVCT3	0169 0337 1101
14	SRCHOPIN	SET	R24LEM	0522
		RESET	DOFSTR1 TRMTRACK PRJG20A P20LEMB3	0217 0290 0501 0504
		TEST	P20LEMB3 DORROUT CHKSRCH	0504 0558 0597
13	ACMODFLG	SET	P20LEMB1	0504
		RESET	DOFSTR1 PROG20A P20LEMB3	0217 0502 0505
		TEST	P20LEMB3	0504
12	LOSCMFLG	SET	R21LEM10	0516
		RESET	DOFSTR1 PROG20A R21END R21LEM4 R24LEM	0217 0502 0516 0517 0522
		TEST	RRDESNB RRDESDUN DORROUT NOTP20 LPS20.1	0550 0558 0558 0559 0574
11	STEERSW	SET	DVMON	0848
		RESET	DOFSTR1 TGDCALC COPYCYCL	0217 0754 0848
		TEST	TGDCALC STEERSW&	0754 0796
10	(NOT USED)	RESET	DOFSTR1	0217
9	IMPULSW	SET	TGDCALC S40.132	0754 0757
		RESET	DOFSTR1 IMPLBURN NSTEER S40.13	0217 0742 0745 0756
		TEST	P42IGN NSTFER	0722 0744
8	XDELVFLG	SET	P30N33 ADVANCE	0608 0636
		RESET	DOFSTR1 INITVELX	0217 0681
		TEST	S40RET DELVTEST S40.8	0743 0748 0754
7	ETPIFLAG	SET	P34/P74A	0652
		RESET	DOFSTR1 P34/P74A	0217 0652
		TEST	P34/P74C SWCHCLR FLEX	0653 0653 0661

## FLAGWRD2

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	FINALFLG	SET	PARAM30 N45PROC	0609 0672
		RESET	DOFSTR1 RTRNMU	0217 0694
		TEST	P32/P72C P33/P73C S34/35.5 VN1645 N45PROC	0617 0622 0669 0671 0672
5	AVFLAG	SET	AVFLAGA P42STAGE S40.9	0623 0740 0759
		RESET	DOFSTR1 AVFLAGP	0217 0623
		TEST	CSMSTORE LEMSTORE	0688 0688
4	PFRATFLG	SET	STORY	0752
		RESET	DOFSTR1 COARSRET R51.3 GYCOARS	0217 0911 0923 0925
		TEST	PROG52	0908
3	CALCMAN3	SET	NOGIMLOC	0367
		RESET	DOFSTR1	0217
2	CALCMAN2	SET	WCALC	0367
		RESET	DOFSTR1 NFWANGL	0217 0368
		TEST	NEWANGL	0368
1	NODOFLAG	SET	AGSVCALC P76 STATINT1 P06	0211 0700 1189 1313
		RESET	AGSEND DOFSTR1 POOH NJ-INT DJT	0212 0217 0233 0240 0701
			POSTCOM FLAGS	1315 1362
		TEST	V37	0231



## FLAGWRD3

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	POOHFLAG	SET RESET TEST	STATINT1 DOFSTR1 DUMMYAD POOHCHK	1189 0217 0233 1198
14	GLOKFAIL	SET RESET TEST	GIMLOCK1 DOFSTR1 DUMMYAD POSGMBL POSGMBL	1232 0217 0233 0377 0377
13	REFSMFLG	SET RESET TEST	COARSRET GYCOARS P51G SURFDISP GYCOARS GVDETER RNDREFDR AGSINIT VN1645 R59 PACKOPTN DSPOPTN RO2BOTH	0911 0925 0932 0952 0925 0944 1293 0210 0671 0938 0956 0956 1310
12	LUNAFLAG	SET RESET TEST	P21DSP LANDJUNK P52LS P57POST DOFSTR1 P21DSP LAT-LONG LALOTORV SETGAMMA SETRF	0648 0774 0913 0952 0217 0647 1113 1115 1118 1119
11	NODOPO7	SET TEST	SEUDOPOD SYSTEST UPRUPT	0234 0293 1317
10	VFLAG	SET RESET INVERT TEST	PICAPAR DOFSTR1 STRATGY STRAT STRATGY STRAT PICEND	0918 0217 0920 0920 0920 0920 0920
9	R04FLAG	SET RESET TEST	R04 DOFSTR1 DUMMYAD R04END PR0G20A R04Z R77 R04C	0279 0217 0233 0282 0502 0279 0279 0280
8	PRECIFLG	SET RESET TEST	DOINT2 IFLAGP INTEGRVS DOFSTR1 DOINT INTEXT POOHCHK	0240 1193 1194 0217 0240 1196 1198

## FLAGWRD3

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	CULTFLAG	SET	CULTED	0920
		RESET	DOFSTR1 OCCULT	0217 0920
		TEST	PIC4 PIC4	0919 0920
6	ORBFLAG	RESET	DOFSTR1 INTWAKFC WMATEND	0217 1205 1222
		TEST	AVETOMID	1200
5	STATEFLG	SET	NOTWCSM NOTWLEM LSR22.4 SETIFLGS WMATEND	0584 0585 0592 1189 1222
		RESET	DOFSTR1 ENDINT INTEXT TESTLOOP FLAGS	0217 1189 1196 1197 1362
		TEST	A-PCHK	1195
4	INTYPFLG	SET	INTINT REV83 OTHCONIC DDUMCALC IFLAGC	0668 0695 0696 0770 1193
		RESET	DOFSTR1 ORBCHG3 ORBCHG3 NOTWCSM NOTWLEM	0217 0499 0500 0584 0585
			LSR22.4 P21PROG2 INTINT INITVEL5 GETRVN2	0592 0646 0668 0680 0698
		TEST	COMPAT SETIFLGS IFLAGP ENTMD1	0700 1189 1193 1203
			ALOADED	1195
3	VINTFLAG	SET	STATEUP ORBCHG3 UPPSV1 UPPSV3 NOTWCSM	0240 0500 0507 0508 0584
			DOLEM INITWMX6 LSR22.4 P21PROG2 CSMPREC	0584 0592 0592 0646 1193
			CSMCONIC OTHERS	1193 1200
		RESET	DOFSTR1 THISVINT DOINT ORBCHG3 UPPSV3	0217 0240 0240 0499 0507
		UPPSV1 LSR22.3 NOTWLEM LSR22.4 P21PROG2	0507 0584 0585 0592 0646	
		LEMPREC LEMCONIC INT/W	1193 1193 1201	
		TEST	INTEGRV2 A-PCHK ENDSTATE	1195 1195 1221
2	D6OR9FLG	SET	DOINT ORBCHG3 UPPSV LSR22.3 DOLEM	0240 0500 0507 0584 0585
			INT/W	1201
		RESET	DOFSTR1 ORBCHG3 LSR22.4 SETIFLGS	0217 0499 0592 1189
		TEST	AMOVED	1222
1	DIMOFLAG	SET	DOINT STATEUP ORBCHG3 UPPSV LSR22.3	0240 0240 0500 0507 0584
			DOLEM LSR22.4 INT/W	0585 0592 1201
		RESET	DOFSTR1 ORBCHG3 ORBCHG3 LSR22.3 DOLEM	0217 0499 0500 0584 0585
			P21PROG2 P21CONT SETIFLGS IFLAGC IFLAGP	0646 0647 1189 1193 1193
		TEST	INTEGRVS ENTMD1 WMATEND	1194 1202 1222
			ACCOMP ACCOMP ENDSTATE	1209 1210 1221

## FLAGWRD4

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	MRKIDFLG	SET	FLASHSUB	1346
		RESET	DOFSTR1 DSPOFF JOBXCHS ENDRET	0217 0226 1342 1347
		TEST	HIPRIO OKTOPLAY PINBRNCH ISITPRIO FNDOUT	1336 1338 1343 1345 1347
14	PRIODFLG	SET	FLASHSUB	1346
		RESET	DOFSTR1 DSPOFF ENDRET	0217 0226 1347
		TEST	TESTXACT MAKEMARK CHKPRIO MAKEPRIO OKTOPLAY PINBRNCH NORMBNCH ENDOUT MARKOVER	0266 1333 1334 1336 1338 1343 1343 1347 1349
13	NRMIDFLG	SET	FLASHSUB	1346
		RESET	DOFSTR1 DSPOFF JOBXCHS ENDRET	0217 0226 1342 1347
		TEST	MAKEMARK ASKIFNRM IFLEGAL PINBRNCH MARKOVER	1333 1337 1337 1343 1349
12	PDSPFLAG	SET	REP60 R61C+L05	0481 0526
		RESET	DOFSTR1 DSPOFF R61C+L05	0217 0226 0526
		TEST	TESTXACT CHKLINUS R61TEST MAKEMARK CHKPPID OKTOPLAY	0266 0480 0481 1333 1334 1338
11	MWAITFLG	SET	GOSLEEPS	1341
		RESET	DOFSTR1 DSPOFF WAKEPLAY	0217 0226 1342
		TEST	OKTOPLAY NORMRET MARSLEEP	1338 1349 1349
10	NWAITFLG	SET	GOSLEEPS	1341
		RESET	DOFSTR1 DSPOFF	0217 0226
		TEST	IFLEGAL NORMRET	1337 1349
9	MRKNVFLG	SET	RESTSLEP	1346
		RESET	DOFSTR1 DSPOFF JOBXCHS NV50DSP	0217 0226 1342 1344
		TEST	MAKEMARK HIPRIO OKTOPLAY WITCHONE	1333 1336 1338 1345

## FLAGWRD4

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
8	NRMNVFLG	SET	RESTSLEP	1346
		RESET	DOFSTR1 DSPOFF JOBXCHS NV50DSP	0217 0226 1342 1344
		TEST	MAKEMARK ASKIFNPM IFLEGAL WITCHONE	1333 1337 1337 1345
7	PRONVFLG	SET	RESTSLEP	1346
		RESET	DOFSTR1 DSPOFF NV50DSP	0217 0226 1344
		TEST	TESTXACT MAKEMARK CHKPRIO MAKEPRIO OKTOPLAY WITCHONE	0266 1333 1334 1336 1338 1345
6	PINBRFLG	SET	NORMBNCH	1343
		RESET	DOFSTR1 DSPOFF ENDRET	0217 0226 1347
		TEST	ISITPRIO	1345
5	MRUPTFLG	SET	IDLEMASK	1342
		RESET	DOFSTR1 DSPOFF WAKEPLAY	0217 0226 1342
		TEST	OKTOPLAY MARSLEEP NORMRET	1338 1349 1349
4	NRUPTFLG	SET	IDLEMASK	1342
		RESET	DOFSTR1 DSPOFF	0217 0226
		TEST	IFLEGAL NORMRET	1337 1349
3	MKOVFLAG	SET	CHKPRIO	1335
		RESET	DOFSTR1 DSPOFF MARKPLAY MARKRET	0217 0226 1334 1348
		TEST	XCHQADD	1342
2	(NOT USED)	RESET	DOFSTR1 DSPOFF MARKRET	0217 0226 1348
1	XDSPFLAG	SET	AGSVCALC MARKPLAY	0211 1334
		RESET	DOFSTR1 DSPOFF CLEARMRK	0217 0226 1332
		TEST	OKTOPLAY	1338

## FLAGWRD5

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	DSKYFLAG	SET RESET TEST	KEYCOM DOFSTR1 DSPOUT	1316 0217 0161
14	(NOT USED)	RESET	DOFSTR1	0217
13	SNUFFER	SET RESET TEST	SNUFFOUT DOFSTR1 OUTSNUFF AFTERTJ	0301 0217 0301 1431
12	NOTHROTL	SET RESET TEST	S40.13 S40.138 DOFSTR1 P40LM S40.13D FLAGORGY P40IGN	0756 0758 0217 0736 0757 0768 0721
11	R77FLAG	SET RESET TEST	R77 DOFSTR1 STARTSB2 R77END RDRUSECK DORSAMP2 LANDRAD	0279 0217 0224 0282 0283 0496 0562
10	RNGSCFLG	SET RESET TEST	SCALCHNG DOFSTR1 LRS22.1 CHEXERR	0565 0217 0578 0580
9	DMENFLG	SET RESET TEST	LSP22.3 DOFSTR1 LSP22.4 INCOR1 INCOR2 FAZA1 FAZB1 FAZAB4	0584 0217 0592 1130 1132 1134 1135 1137
8	ZOOMFLAG	SET RESET TEST	P63ZOOM DOFSTR1 TIG-5 LUNLAND	0723 0217 0719 0782
7	ENGONFLG	SET RESET TEST	IGNITION ABRTJASK IMUCAGE DOFSTR1 ENGINDEF3 SETINFL DELGMBLP	0720 0817 0178 0217 0743 0220 0896

## FLAGWRD5

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	3AXISFLG	SET	GOMOVE	0491
		RESET	DOFSTRT1 DUMMYAD V89CALL1 ENDMANU1 R61C+L05 P41MANU R52B	0217 0233 0343 0480 0526 0736 0936
		TEST	REDOMANN REDOMANC	0479 0480
5	AORBSFLG AORBSYST	RESET	DOFSTRT1	0217
		INVERT	ALTSYST	1415
		TEST	LAST	1414
4	NORRMON	SET	NOLOKON R21LEM8 R23LEM	0274 0517 0520
		RESET	DOFSTRT1 STARTSB2 NOREMODE PROG20A R21LEM3 R23LEM11 R23LEM2	0217 0224 0273 0502 0516 0520 0521
		TEST	RRGIMON	0190
3	SOLNSW	SET	SUFFCHEK 360LAMB CIRCULAR	1176 1176 1179
		RESET	DOFSTRT1 LAMBERT TERMNVFC	0217 1173 1179
2	MGLVFLAG	SET	GET.LVC	0683
		RESET	DOFSTRT1 SETMGA	0217 0683
1	RENDWFLG	SET	WVELSTOR	0594
		RESET	DOFSTRT1 WMATRXNG V67CLRF ATMAG INTWAKFX WMATEND	0217 0293 0603 0827 1205 1222
		TEST	DOINT STATEUP ORBCHG3 UPPSV LSR22.3 DOLEM MARKTEST AVETJ MID	0240 0240 0500 0507 0584 0585 0585 1200

## FLAGWRD6

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	S32.1F1	SET RESET TEST	CSI/B22 DOFSTR1 CSI/A CSI/B2 SCNDSOL	0628 0217 0626 0635 0628
14	S32.1F2	SET RESET TEST	CSI/A SCNDSOL DOFSTR1 FRSTPAS K2.	0626 0635 0217 0633 0633
13	S32.1F3A	SET RESET TEST	K2. FIFTYFPS DOFSTR1 CSI/A SCNDSOL CSI/B2 K2. THRDCHK SCNDSOL	0633 0634 0217 0627 0635 0628 0633 0634 0635
12	S32.1F3B	SET RESET TEST	CSI/A FIFTYFPS DOFSTR1 K2. SCNDSOL CSI/B2 K2. THRDCHK SCNDSOL	0627 0634 0217 0633 0635 0628 0633 0634 0635
11	(NOT USED)	RESET	DOFSTR1	0217
10	GMBORVSW	SET RESET TEST	PITCHOFF DOFSTR1 TRIMGIMB ROLLOVER	0765 0217 0764 0764
9	(NOT USED)	RESET	DOFSTR1	0217
8	MUNFLAG	SET RESET TEST	FLAGORGY P12LM DOFSTR1 DUMMYAD AVGEND RRGIMON GETRVN MUNG& P41SPOT RED05.5 AVERAGEG SERVIDLE NORMLIZE	0768 0823 0217 0233 0851 0190 0697 0698 0716 0844 0848 0852 0854
7	(NOT USED)	RESET	DOFSTR1	0217
6	REDFLAG	SET RESET TEST	P64CEED DOFSTR1 FLAGORGY STARTP64 RED-OVER PFDEFISG P64DISPS	0798 0217 0768 0795 0798 0787 0797

## FLAGWRD6

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
5	(NOT USED)	RESET	DOFSTR1	0217
4	(NOT USED)	RESET	DOFSTR1	0217
3	NTARGFLG	SET	NTARGCHK	0669
		RESET	DOFSTR1 FLAGON	0217 0669
		TEST	NTARGCHK	0669
2	AUXFLAG	SET	NODVMON2	0849
		RESET	DOFSTR1 NODVMON1	0217 0849
		TEST	COPYCYCL	0848
1	ATTFLAG	SET	REFMF	0959
		RESET	DOFSTR1	0217
		TEST	DSOPTN PACKOPTN ATTC-HK	0956 0956 0960



## FLAGWRD7

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	ITSWICH	SET	P33/P73B P34/P74C	0621 0653
		RESET	DOFSTR1 P34/P74C SWCHCLR	0217 0653 0653
		TEST	SWCHCLR TESTY	0653 0658
14	MANUFLAG	RESET	DOFSTR1	0217
13	IGNFLAG	SET	TIG=0	0720
		RESET	DOFSTR1 TIG-5 DVMONCON IMPLBURN	0217 0719 0722 0742
		TEST	IGNITE	0729
12	ASTNFLAG	SET	*PROCEED	0728
		RESET	DOFSTR1 TIG-5 DVMONCON IMPLBURN	0217 0719 0722 0742
		TEST	IGNYET&	0720
11	SWANDISP	SET	COPYCYC1	0863
		RESET	DOFSTR1 AVGEND	0217 0851
		TEST	LANADISP	0878
10	NORMSW	SET	INITVEL2	0678
		RESET	DOFSTR1 INITVEL1 PARAM	0217 0678 1166
		TEST	S40RET S40.1B S40.9 RASTEEP1 GEOM	0743 0749 0759 0761 1168
9	RVSW	SET	VN0611 CSI/B23D CSI/B3 P34/P74E	0616 0628 0630 0654
		RESET	DOFSTR1 NOWMATX CDHMVR	0217 0500 0641
		TEST	COMMNDUT	1166
8	V67FLAG	SET	N99LOOP	0602
		RESET	DOFSTR1 V67WW	0217 0603
		TEST	V06N9933	0602

## FLAGWRD7

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	IDLEFLAG	SET	DOFSTRT1 COMFAIL ENGINE01 NSTEER ENGOFF	0217 0724 0742 0745 0837
			SERVIDLE	0852
		RESET	DVMONCON COMFAIL4 GOABORT	0722 0724 0818
		TEST	NSTEER MAINENG COPYCYCL	0744 0830 0848
6	V37FLAG	SET	BIBIBIAS	0843
		RESET	DOFSTRT1 AVGEND	0217 0851
		TEST	ISSERVON RDRUSECK V90PERF GOPOODOO	0232 0283 0287 1361
5	AVEGFLAG	SET	BIBIBIAS	0843
		RESET	DOFSTRT1 ISSERVON	0217 0232
		TEST	RRGIMON LRPOS2K V83CALL REV83 V82CALL	0190 0268 0694 0695 0703
			R10,R11 LEGAL& RED05.5	0815 0821 0844
4	UPLOCKFL	SET	TMFAIL2	1318
		RESET	DOFSTRT1 CLUPLOCK	0217 1317
		TEST	UPOK	1317
3	VERIFLAG	RESET	DOFSTRT1	0217
		INVERT	UPSTORE	1369
2	V82EMFLG	SET	MOONPAD MOONGON	0705 0707
		RESET	DOFSTRT1 FARTH PAD EARTHGON	0217 0705 0707
		TEST	SR30.1 STORHAPD TFFCALLS	0710 0710 0710
1	TFFSW	SET	CALCTPER	1255
		RESET	DOFSTRT1 CALCTFF	0217 1255
		TEST	CALCTFF	1255

## FLAGWRD8

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	RPQFLAG	SET	INTEGRVS INTEGRV1 GOBAQUE	1194 1195 1212
		RESET	DOFSTR1 GETRPSV	0217 1210
		TEST	TIMESTEP LUNSPH	1216 1218
14	(NOT USED)	RESET	DOFSTR1	0217
13	NEWIFLG	SET	INTEGRVS INTEGRV1	1194 1195
		RESET	DOFSTR1 POOHCHK	0217 1198
		TEST	POOHCHK	1198
12	CMOONFLG	SET	ATTACHIT ATOPCSM	0300 1189
		RESET	ATTACHIT ATOPCSM	0300 1190
		TEST	CSI/B23D INTINT SELECTMU SETMUER P76SUB1 PTOACSM	0629 0668 0684 0684 0701 1190
11	LMOONFLG	SET	ATOPLEM	1191
		RESET	ATOPLEM	1191
		TEST	ATTACHIT RANGEQ1 REV83 OTHINT NEXTLINE FAZAB PTOALEM OTHERS	0300 0585 0695 0696 0707 1136 1191 1200
10	FLUNDISP	SET	COMFAIL	0724
		RESET	DOFSTR1 IGNITION COMFAIL4 GOCUTOFF GOABORT	0217 0721 0724 0729 0818
		TEST	DISPEXIT ASCTERM1	0797 0834
9	(NOT USED)	RESET	DOFSTR1	0217
8	SURFFLAG	SET	LANDJUNK	0774
		RESET	ATMAG	0827
		TEST	DOINT STATEUP AVESTAR MARKTYPE ATTACHED	0240 0240 0257 0261 0300
			NBDDONLY LASTBIAS 526ALRM1 UPPSV UPPSV4	0337 0339 0502 0507 0507
			LUNSFCHK LUNDESCH OKDESSM LPS20.1 LSR22.3	0514 0546 0546 0574 0584
			RANGEQ VOK2 WPOSTORE WLIMIT V06N9933	0585 0588 0593 0593 0603
P21VSAVE V83CALL REV83 MASSMON PTOALEM	0647 0694 0695 0847 1191			

## FLAGWRD8

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	INFINFLG	SET	DVFLCLR	1172
		RESET	DOFSTR1 XCOMMON	0217 1170
		TEST	COMMNOUT LAMBLOOP	1166 1175
6	ORDERSW	RESET	DOFSTR1	0217
		TEST	ITERATOR SGNCHECK POSDEL	1162 1162 1163
5	APSESW	SET	BADR2	1179
		RESET	DOFSTR1 TIMERAD	0217 1178
4	COGAFLAG	SET	COGAOVFL	1166
		RESET	DOFSTR1 COMMNOUT PARAM	0217 1166 1166
3	(NOT USED)	RESET	DOFSTR1	0217
2	INITALGN	SET	BYLMATT	0960
		RESET	DOFSTR1 P57JUMP	0217 0960
		TEST	WRTDESIR INITBY B2F8 COATRIM	0951 0951 0952 0954
1	360SW	SET	360CHECK	1171
		RESET	DOFSTR1 GETX	0217 1169
		TEST	POLYCOEF	1170

## FLAGWRD9

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	DOFSTR1	0217
14	FLVR	SET RESET TEST	YOK P12LM DOFSTR1 EXITVR AIMER	0819 0823 0217 0835 0834
13	P7071FLG	SET RESET TEST	GOABORT DOFSTR1 ASCENT CMPOFNFT	0818 0217 0829 0833
12	FLPC	SET RESET TEST	T2TEST DOFSTR1 T2TEST	0831 0217 0831
11	FLPI	SET RESET TEST	P12LM DOFSTR1 YAWDUN AIMER	0823 0217 0825 0834
10	FLRCS	SET RESET TEST	CUTOFF DOFSTR1 GOABORT ATMAG ASCENT ASCTERM ASCTERM1	0837 0217 0818 0827 0830 0834 0834
9	LETABORT	SET RESET TEST	P63IGN DOFSTR1 LANDJUNK P71RET TERMASC 10,11 LEGAL&	0721 0217 0774 0820 0838 0815 0821
8	FLAP	SET RESET TEST	UPTHROT DOFSTR1 P71RET P12INIT	0820 0217 0820 0826
7	ABTTGFLG	SET RESET	YOK DOFSTR1 DUMMYAD	0819 0217 0233

## FLAGWRD9

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	ROTFLAG	SET	STORPARM	0820
		RESET	DOFSTR1 OFFROT EXITVR1	0217 0835 0835
		TEST	MAINLINE EXITVR	0834 0835
5	QUITFLAG	SET	VERB96	0301
		RESET	DOFSTR1 NOINT	0217 1189
		TEST	STATINT1 TESTLOOP	1188 1197
4	(NOT USED)	RESET	DOFSTR1	0217
3	MID1FLAG	SET	MIDTOAV1	1202
		RESET	DOFSTR1 MIDTOAV2 NOTIME	0217 1202 1204
		TEST	CKMID2	1203
2	MIDAVFLG	SET	ENTMID1	1203
		RESET	DOFSTR1 ENTMID1	0217 1203
		TEST	ENDSTATE	1221
1	AVEMIDSW	SET	INT/W	1201
		RESET	DOFSTR1 INTEXT	0217 1196
		TEST	SVDWN2	0323

RASFLAG

= FLGWPD10

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	SET RESET	DPDAT1 DOFSTRT1 DPDAT1	0296 0217 0296
14	INTFLAG	SET RESET TEST	OKTOGRAB DOFSTRT1 SETINFL GOPROG2A FORTYONE INTSTALL	1199 0217 0219 0220 1199 1198
13	APSFLAG	SET TEST	WANTAPS LANDJUNK ABRTJASK DAPDATA1 DAPDATA3 DAPDAT2 P40A/P P40LM P42LM S40.13 S40.13D MASSMON DVCNTSET SENSEGET AFTERTJ 1/ACCS	0718 0774 0817 0296 0298 0298 0730 0735 0740 0756 0757 0847 0849 1421 1431 1465
12	(NOT USED)	RESET	DOFSTRT1	0217
11	(NOT USED)	RESET	DOFSTRT1	0217
10	(NOT USED)	RESET	DOFSTRT1	0217
9	(NOT USED)	RESET	DOFSTRT1	0217
8	(NOT USED)	RESET	DOFSTRT1	0217
7	REINTFLG	SET RESET TEST	INTOTHIS FAZA A-PCHK ENDSTATE UPWAKE DOFSTRT1 GOPROG2A FORTYONE FLAGS INTSTALL INTWAKE INTWAKE	0701 1134 1195 1221 1370 0217 0220 1199 1362 1198 1199 1199
6	(NOT USED)	RESET	DOFSTRT1	0217
5	(NOT USED)	RESET	DOFSTRT1	0217
4	(NOT USED)	RESET	DOFSTRT1	0217
3	(NOT USED)	RESET	DOFSTRT1	0217

## RASFLAG

= FLGWRD10

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
2	(NOT USED)	RESET	DOFSTR1	0217
1	(NOT USED)	RESET	DOFSTR1	0217



## FLGWRD11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE	
15	LRBYPASS	SET RESET TEST	DOFSTRT1 DUMMYAD FLAGORGY STARTSB1 LRPOS2K	ABRTJASK SERVIDLE RDRUSECK RED05.5 MUNRETRN	0217 0233 0817 0852 0768 0223 0268 0283 0844 0860
14	VFAILFLG	SET RESET	VFAIL DOFSTRT1 DUMMYAD	ABRTJASK SERVIDLE VELUPDAT	0876 0217 0233 0817 0852 0873
13	HFAILFLG	SET RESET	HFAIL DOFSTRT1 DUMMYAD	ABRTJASK SERVIDLE TERSKIP	0875 0217 0233 0817 0852 0871
12	VXINH	SET RESET TEST	NOLITE DOFSTRT1 DUMMYAD VELUPDAT	ABRTJASK SERVIDLE VELUPDAT	0876 0217 0233 0817 0852 0873 0873
11	PSTHIGAT	SET RESET TEST	HIGATASK REREPOS DOFSTRT1 DUMMYAD TERSkip HIGATCHK	ABRTJASK SERVIDLE	0859 0877 0217 0233 0817 0852 0870 0874
10	NOLPREAD	SET RESET TEST	HIGATASK REREPOS DOFSTRT1 DUMMYAD R12READ R12	ABRTJASK SERVIDLE HIGATJOB	0859 0877 0217 0233 0817 0852 0877 0561 0860
9	XORFLG	SET RESET TEST	30KCHK DOFSTRT1 DUMMYAD MUNRETRN	ABRTJASK SERVIDLE	0860 0217 0233 0817 0852 0860
8	LRINH	SET RESET TEST	SET57 DOFSTRT1 DUMMYAD SERVIDLE LROFF NOREASON VUPDAT	LROFF RESEt57 ABRTJASK	0274 0217 0233 0275 0275 0817 0852 0860 0871 0873

## FLGWRD11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	VELDATA	SET RESET TEST	STORVEL DOFSTR1 DUMMYAD ABRTJASK SERVIDLE CONTSERV VELDATA&	0567 0217 0233 0817 0852 0861 0872
6	LPOS2FLG	RESET	DOFSTR1 DUMMYAD ABRTJASK SERVIDLE	0217 0233 0817 0852
5	(NOT USED)	RESET	DOFSTR1 DUMMYAD ABRTJASK SERVIDLE	0217 0233 0817 0852
4	RNGEDATA	SFT RESET TEST	STORALT DOFSTR1 DUMMYAD ABRTJASK SERVIDLE CONTSERV UPDATCHK	0566 0217 0233 0817 0852 0861 0869
3	R12RDFLG	SET RESET TEST	R12RDSET DOFSTR1 STARTSB2 DUMMYAD OKUPDATE ABRTJASK SERVIDLE R12THRU&	0561 0217 0224 0233 0567 0817 0852 0872
2	VFLSHFLG	SET RESET TEST	VFAIL DOFSTR1 DUMMYAD ABRTJASK SERVIDLE VELUPDAT FLASHV&	0876 0217 0233 0817 0852 0873 0815
1	HFLSHFLG	SFT RESET TEST	HFAIL DOFSTR1 DUMMYAD ONLITES ABRTJASK SERVIDLE TERSKIP BOTHLITS R10,R11A	0876 0217 0233 0606 0817 0852 0871 0606 0815

FLGWRD12

= RADMODES

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	CDESFLAG	SET	NOLOKON R21LEM8 CONTDSE2	0274 0517 0598
		RESET	ITURNON2 RPAUTCHK STARTSUB CLRADMOD	0177 0186 0223 0523
		TEST	RRDESEND STDESIG DONBRD	0273 0553 0558
14	REMODFLG	SET	TRYSWS TRYSWN	0549 0550
		RESET	ITURNON2 RPAUTCHK STARTSUB STARTSB2 REMODE	0177 0186 0223 0224 0539
		TEST	RRGIMON REMODCHK RR1AX2 BEGDES CHKSRCH	0190 0273 0541 0552 0597
13	RCDUOFLG	SET	RPAUTCHK RRZERO	0186 0544
		RESET	ITURNON2 RPAUTCHK STARTSUB STARTSB2 RRZEROSB	0177 0186 0223 0224 0534
		TEST	RRCDUCHK RRGIMON P20LEMB3 R22LEM12 RRTRKF	0189 0190 0504 0512 0531
12	ANTENFLG	SET	RRZEROSB	0535
		RESET	ITURNON2 STARTSUB	0177 0223
		INVERT	RMODINV	0539
		TEST	RRANGLES R21LEM5 RRLIMCHK DORREPOS DORREPOS	0326 0515 0529 0536 0537
			REMODE REMODE REMODE REMODE PRLIMNB	0538 0539 0539 0539 0551
DONBRD		0557		
11	REPOSMON	SET	MONREPOS	0191
		RESET	ITURNON2 RPAUTCHK STARTSUB STARTSB2 REPOSRT	0177 0186 0223 0224 0537
		TEST	RRGIMON RR1AX2 RRZERO STARTDES STDESIG	0190 0541 0544 0547 0553
			NOTP20 RENDRAD	0559 0564
10	DESIGFLG	SET	STARTDES	0547
		RESET	ITURNON2 STARTSUB CLRADMOD BADDES RRDESDUN	0177 0223 0523 0553 0558
		TEST	REPOSRT REMODE STDESIG	0537 0539 0553
9	ALTSCALE	SET	R04Z	0279
		RESET	ITURNON2 STARTSUB R04Z	0177 0223 0279

FLGWRD12

= RADMODES

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
8	LRVELFLG	SET RESET TEST	BADRAD ITURNON2 STARTSUB TSTLTS3 STORVEL	0563 0177 0223 0474 0476 0560 0566
7	RCDUFAIL	SET INVERT TEST	ITURNON2 STARTSUB TSTLTS3 RRCDUCHK RRCDUCHK RPTRKF RENDRAD ENDRADAR	0177 0223 0474 0476 0189 0189 0531 0564 0572
6	LRPOSFLG	SET RESET	STARTSUB R04Z LRPOS2 ITURNON2 R04Z	0223 0279 0570 0177 0279
5	LRALTFLG	RESET TEST	ITURNON2 STARTSUB TSTLTS3 STORALT HLIGHT	0177 0223 0474 0476 0560 0566 0606
4	RRDATAFL	RESET TEST	ITURNON2 STARTSUB TSTLTS3 RRCHECK	0177 0223 0474 0476 0560 0531
3	RRRSFLAG	SET RESET INVERT TEST	R04Z LRS22.1 ITURNON2 STARTSUB R04Z LRS22.1 SCALCHNG RRANGOUT SCALADJ	0279 0578 0177 0223 0279 0578 0565 0422 0565
2	AUTOMODE	SET TEST	ITURNON2 STARTSUB RRAUTCHK RRCDUCHK RRCDUCHK RRGIMON NJRRGIMON RRTRKF RR1AX2 RRZERO	0177 0223 0186 0188 0189 0190 0191 0531 0541 0544
1	TURNONFL	SET RESET TEST	RRAUTCHK ITURNON2 RPAUTCHK STARTSUB STARTSB2 RRZERO	0186 0177 0186 0223 0224 0533 0544

FLGWRD13

= DAPBOOLS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	PULSEFLG	SET	MINIMP LANDJUNK	0287 0774
		RESET	DOFSTR1 NOMINIMP IGNITION TIGTASK1 ABRTJASK	0216 0288 0720 0723 0817
		TEST	MANMODE CHKBIT10	1408 1422
14	USEQRFLG	SET	DOFSTR1 DPDAT1 ENGINOF3 USEJETS	0216 0296 0743 0850
		RESET	DPDAT1 USEGTS	0296 0849
		TEST	TRYGTS TJLAW STACCDOT	1427 1430 1469
13	CSMDKFLG	SET	DPDAT1	0296
		RESET	DOFSTR1 DPDAT1	0216 0296
		TEST	DPDAT1 STIKLOAD DAPDAT2 P40LM FINDCDUW	0296 0297 0298 0735 0890
			BACKP PURGENCY MINRTN TJLAW 1/ACCS	1403 1416 1423 1430 1464
12	OURRCFLG	SET	JUSTOUT	1411
		RESET	DOFSTR1 RATEDONE	0216 1411
		TEST	DETENTCK RHCMOVED CALLQERR CHEKSTIK	1410 1412 1420 1424
11	ACC4-2FL	SET	DPDAT1 GOABORT P12LM	0296 0818 0823
		RESET	DOFSTR1 DPDAT1	0216 0296
		TEST	DPDAT1 -XTRANS	0297 1421
10	AORBTFLG	SET	DOFSTR1 DPDAT1	0216 0296
		RESET	DPDAT1	0296
		INVERT	COMFAIL2	0724
		TEST	-XTRANS MIMRET	1421 1423
9	XOVINFLG	SET	CHECKYAW 30KCHK	0836 0860
		RESFT	DOFSTR1 GOPOOFIX DUMMYAD STRTP66A ABRTJASK	0216 0228 0233 0784 0817
			CLRFLAG	0834
		TEST	TSNEXTP	1408

FLGWRD13

= DAPBOOLS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
8	DRIFTDFL	SET	DOFSTR1 COMFAIL2 ALLCOAST	0216 0724 1387
		RESET	P42IGN ABRTJASK	0722 0817
		TEST	FINDCDUW R-RATE SENSEGET AFTERTJ GETAOSUV PLUSFIRE	0890 1405 1421 1431 1475 1487
7	RHCSCFLG	SET	DOFSTR1 DPDAT1	0216 0296
		RESET	DPDAT1	0296
		TEST	STIKLOAD	0297
6	ULLAGFLG	SET	COMFAIL2 ONULLAGE	0725 0725
		RESET	DOFSTR1 GOPOOFIX NOULLAGE ABRTJASK	0216 0228 0725 0817
		TEST	SENSEGET	1421
5	DBSL2FLG	SET	DOFSTR1 DPDAT1	0216 0296
		RESET	DPDAT1	0296
		TEST	RESTORDB	1385
4	DBSELFLG	SET	DPDAT1	0296
		RESET	DOFSTR1 DPDAT1	0216 0296
		TEST	RESTORDB	1385
3	ACCOKFLG	SET	1/ACCRET	1482
		RESET	DOFSTR1 STARTSB1	0216 0223
		TEST	CHECKUP	1389
2	AUTR2FLG	SET	DOFSTR1 DPDAT1	0216 0296
		RESET	DPDAT1	0296
1	AUTR1FLG	SET	DPDAT1	0296
		RESET	DOFSTR1 DPDAT1	0216 0296

CHAN 11

= DSALMOUT

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	DOFSTART STARTSB2	0215 0224
14	ENG OFF	SET RESET	IMUCAGE DOFSTART SETINFL ENGINOF3 IGNITION ABRTJASK	0178 0215 0220 0743 0720 0817
13	ENG ON	SET RESET	SETINFL IGNITION ABRTJASK IMUCAGE DOFSTART ENGINOF3	0220 0720 0817 0178 0215 0743
12	(NOT USED)	RESET	DOFSTART STARTSB2	0215 0224
11	(NOT USED)	RESET	DOFSTART STARTSB2	0215 0224
10	CAUTION RESET	SET RESET	ERPOR DOFSTART STARTSB2	0476 0215 0224
9	TEST CONNECTOR	SET RESET	REDO5.5 DOFSTART STARTSB2 AVGEND	0844 0215 0224 0850
8	(NOT USED)	RESET	DOFSTART STARTSB2	0215 0224
7	OPR ERR	SET RESET	FALTON VBTSTLTS DOFSTART STARTSB2 FALTOF TSTLTS3 ERROR	0467 0473 0215 0224 0467 0474 0476
6	FLASH	SET RESET	FLASHON VBTSTLTS DOFSTART STARTSB2 FLASHOFF	0468 0473 0215 0224 0468
5	KEY REL	SET RESET	RELDSPON VBTSTLTS DOFSTART STARTSB2 RELDSP2 WITCHONE	0467 0473 0215 0224 0471 1345
4	TEMP CAUTION	SET RESET	TLIM VBTSTLTS TEMPOK DOFSTART STARTSB2 TSTLTS3	0175 0473 0175 0215 0224 0474

CHAN 11

= DSALMOUT

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
3	UPL ACTV	SET	VBTSTLTS UPRPT1	0473 1317
		RESET	DOFSTART STARTSB2 VBRELDSP TSTLTS3 ERROR	0215 0224 0456 0474 0476
			UPACTOFF	1374
2	COMPACTV	SET	NUCHANG2 NUDIRECT	1090 1096
		RESET	DOFSTART STARTSB2 DUMMYJOB	0215 0224 1096
1	ISS WARN	SET	ISSWON VBTSTLTS	0184 0473
		RESET	ISSWOFF DOFSTART TSTLTS3	0184 0215 0474
		TEST	ENDIMU	1305



## CHAN 12

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	ISS T/O COMPLETE	SET RESET TEST	ENDTNON2 ISSUP CAGESUB DOFSTRT1 STARTSB2 ITURNON	0169 0169 0184 0216 0224 0176
14	ENB REND RAD L/O	SET RESET TEST	R04C R23LEM1 SIGNALCHK CHKSRCH MONREPOS DOFSTRT1 R04END TRMTRAK1 R21LEM STDESIG1 P63LM R22LEM12	0280 0520 0558 0596 0191 0216 0282 0291 0515 0553 0768 0511
13	LAND RAD POS CMD	SET RESET	LRPOS2 DOFSTRT1 STARTSB2 LRPOSNXT LASTLRDT	0570 0216 0224 0570 0571
12	DESC ENG - ROLL	SET RESET	TRIMGIMB ACPT+C12 DOFSTRT1 TRIMGIMB TRIMGIMB SHUTDOWN TURNOFFR ACPT+C12	0764 1454 0216 0764 0764 1391 1407 1454
11	DESC ENG + ROLL	SET RESET	TRIMGIMB ACPT+C12 DOFSTRT1 TRIMGIMB SHUTDOWN TURNOFFR ACPT+C12	0764 1454 0216 0764 1391 1407 1454
10	DESC ENG - PITCH	SET RESET TEST	TRIMGIMB ACPT+C12 DOFSTRT1 TRIMGIMB PITC-OFF SHUTDOWN TRJNOFFQ ACPT+C12 REVERSAL LOOP3	0764 1454 0216 0764 0765 1391 1406 1454 1461 1468
9	DESC ENG + PITCH	SET RESET TEST	TRIMGIMB ACPT+C12 DOFSTRT1 TRIMGIMB SHUTDOWN TURNOFFQ ACPT+C12 REVERSAL LOOP3	0764 1454 0216 0764 1391 1406 1454 1461 1468
8	DISP INERT DATA	SET RESET	DISPINIT IMUCAGE DOFSTRT1 STARTSB2 DISPRSET	0886 0178 0216 0224 0886
7	(NOT USED)	RESET	DOFSTRT1 STARTSB2	0216 0224

## CHAN 12

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	IMU EC EN	SET	DOFSTR1 GOPROG IMUATTCK COARS CA+ECE	0216 0219 0284 1290 1292
		RESET	NEEDLER2 IMUCAGE CAGESUB DOFSTR1 IMUZEROA SETCOARS	1396 0178 0184 0216 1288 1293
		TEST	NEEDLER NEEDLES3	1396 1396
5	ICDU ZERO	SET	ISSZERO CAGESUB IMUZEROA	0170 0184 1288
		RESET	UNZ2 IMUCAGE DOFSTR1 IMUZERO2 IMUFINE	0169 0178 0216 1289 1294
		TEST	IMUATTCK	0284
4	COAR ALGN	SET	CAGESUB DOFSTR1 GOPROG SETCOARS	0184 0216 0219 1293
		RESET	UNZ2 IMUCAGE DOFSTR1 IMUZEROA IMUFINE	0169 0178 0216 1288 1294
		TEST	OPONLY GLOCKCHK IMUATTCK SETCOARS IFAILK 8192AUG	0170 0173 0284 1293 1295 1302
3	(NOT USED)	RESET	DOFSTR1 STARTSB2	0216 0224
2	RR EC EN	SET	NOPRGMON SFTRRECR INTLZE	0191 0537 0886
		RESET	IMUCAGE OCT05776 MONREPOS DOFSTR1 STARTSB2	0178 0188 0191 0216 0224
		TEST	CLRADM0D REPOSRT STDESIG1 RRDESUN DISPRST SFTRRECR ALTSTUFF	0523 0537 0553 0558 0886 0537 0881
1	RRCDU ZERO	SET	RRZEROSB	0534
		RESET	DOFSTR1 STARTSB2 RRZEROSB	0216 0224 0534

## CHAN 13

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	T6 DEC	SET RESET	ENABLET6 TURNON DOFSTR1 STARTSB1	1382 1434 0216 0223
14	MIN IMP TRAP	RESET	DOFSTR1	0216
13	THC TRAP	RESET	DOFSTR1	0216
12	RHC TRAP	SET RESET	STARTSB2 STARTP64 RESFTRPT DOFSTR1	0224 0785 0806 0216
11	EN ST BY	SET RESET	PRESTAND DOFSTR1 STARTSB2 POSTAND	1313 0216 0224 1314
10	DSKY LT TEST	SET RESET	VBTSTLTS DOFSTR1 STARTSB2 TSTLTS3 ERROR	0473 0216 0224 0474 0476
9	A/D READ INIT	SET RESET	ZEROENBL DOFSTR1 STARTSB2	1412 0216 0224
8	RHC INPUT EN	SET RESET	ZEROENBL DOFSTR1 STARTSB2	1412 0216 0224
7	WOC BIT	SET RESET TEST	DODOWNTM DOFSTR1 WOZERO DODOWNTM	0971 0216 0973 0971
6	BL INLINK	RESET	DOFSTR1	0216
5	(NOT USED)	RESET	DOFSTR1	0216
4	RAD-COMP TRANS	SET RESET TEST	RADSTART DOFSTR1 STARTSB2 PRERADAR C13STAL1	0568 0216 0224 0561 0568

## CHAN 13

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
3	LR READ ENB	SET	RADSTART	0568
		RESET	DOFSTRT1 STARTSB2 PRERADAR READVEL	0216 0224 0561 0566
		TEST	RADAREAD	0562
2	RANGE/Y VEL RD	SET	RADSTART	0568
		RESET	DOFSTRT1 STARTSB2 PRERADAR READVEL	0216 0224 0561 0566
		TEST	RADAREAD	0562
1	RANGE/Z VEL RD	SET	RADSTART	0568
		RESET	DOFSTRT1 STARTSB2 PRERADAR READVEL	0216 0224 0561 0566
		TEST	RADAREAD	0562

## CHAN 14

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	CDUXCMD DRIVE	SET RESET	ATTCK2 SENDPULS IMUCAGE DOFSTR1	0285 1292 1397 0178 0216 0224
14	CDUYCMD DRIVE	SET RESET	ATTCK2 SENDPULS IMUCAGE DOFSTR1	0285 1292 1397 0178 0216 0224
13	CDUZCMD DRIVE	SET RESET	ATTCK2 SENDPULS IMUCAGE DOFSTR1	0285 1292 1397 0178 0216 0224
12	CDUTCMD DRIVE	SET RESET	SETRRCTR LATVOUT IMUCAGE DOFSTR1	0543 0883 0178 0216 0224
11	CDUSCMD DRIVE	SET RESET	SETRRCTR LATVOUT IMUCAGE DOFSTR1	0543 0883 0178 0216 0224
10	GYRO ACT ENB	SET RESET	GYROEXIT IMUCAGE DOFSTR1	1302 0178 0216 0224 1293 1299
9	NEG GYRO POL	SET RESET	TWOPULSE MAJ- IMUCAGE DOFSTR1	1302 1304 0179 0216 0224 1299 1302
8	Y OR Z GYRO	SET RESET	MAJ+ MAJ- IMUCAGE DOFSTR1	1301 1304 0179 0216 0224 1299
7	X OR Z GYRO	SET RESET	MAJ+ MAJ- IMUCAGE DOFSTR1	1301 1304 0179 0216 0224 1299
6	GYRO TORQ PWR	SET RESET	IMUPULSE IMUCAGE DOFSTR1	1297 0179 0216
5	(NOT USED)	RESET	DOFSTR1 STARTSB2	0216 0224

## CHAN 14

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
4	THRUST DR	SET RESET	SETINFL P40ZOOM ENGINEOF3 DOIT DOFSTR1	0220 0723 0743 0778 0822 0216
3	H/HDOT DISP EN	SET RESET	ALTRROUT ALTROUT DOFSTR1 STARTSB2	0881 0882 0216 0224
2	HDOT DISP	SET RESET	ALTRROUT DOFSTR1 STARTSB2 ALTROUT	0881 0216 0224 0881
1	(NOT USED)	RESET	DOFSTR1 STARTSB2	0216 0224

## CHAN 30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	IMU TEMP OK	TEST	IMUMON	0165
14	NO ISS TURN-ON	TEST	IMUMON	0165
13	NO IMU FAIL	TEST	IMUMON	0165
12	NO ICPU FAIL	TEST	IMUMON	0165
11	NO IMU CAGE	TEST	IMUMON	0165
10	NO PGNCB CONT	TEST	G+N, AUTO FINDCDUW CHEKMORE	0481 0891 1388
9	NO IMU OPER	TEST	IMUMON	0165
8	(NOT USED)			
7	NO RRCPU FAIL	TEST	RRCPUCHK	0188
6	NO DID RQST	TEST	ALTSTUFF	0881
5	NO AUTO TRTL	TEST	P40A/P MANTHRT&	0730 0801
4	NO ABRT STG	TEST	P71NOW	0816
3	NO ENG ARM	TEST	FNGARM&	0800
2	NOT STAGED			
1	NO ABORT CMD	TEST	P70NOW	0816

## CHAN 31

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	ACA IN DETENT	TEST	DFTENTCK	1410
14	NO AUTO MODE	TEST	IMUATTCK ISITAUTO FINDCDUW CHEKBITS	0284 0482 0891 1388
13	NO ATT HOLD	TEST	IMUATTCK STERN COUNT&FM CHEKBITS TSNEXTP DETENTCK RATEDONE CALLQERR QRCONTRL	0284 0783 0806 1388 1408 1410 1411 1420 1422
12	NO -Z TTCA	TEST	CHKVISFZ	1407
11	NO +Z TTCA	TEST	CHKVISFZ	1407
10	NO -Y TTCA	TEST	CHKVISFZ	1407
9	NO +Y TTCA	TEST	CHKVISFZ	1407
8	NO -X TTCA	TEST	SENSEGET	1421
7	NO +X TTCA	TEST	SENSEGET	1420
6	NO NEG ACA ROLL	TEST	REDESMON REDESMON FIREQR	0806 0806 1422
5	NO POS ACA ROLL	TEST	REDESMON REDESMON FIREQR	0806 0806 1423
4	NO NEG ACA YAW	TEST	CHECKP FIREP	1409 1409
3	NO POS ACA YAW	TEST	CHECKP FIREP	1409 1409
2	NO NEG ACA PITCH	TEST	REDESMON REDESMON FIREQR	0906 0806 1422
1	NO POS ACA PITCH	TEST	REDESMON REDESMON FIREQR	0806 0806 1422



## CHAN 32

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)			
14	NO PROCEED	TFST	PROCEEDE	0162
13	(NOT USED)			
12	(NOT USED)			
11	(NOT USED)			
10	NO TRIM FAIL			
9	NO GIMBL OFF	TFST	DVCNTSET	0849
8	SYS A QD 2 OK	TEST	RCSMON	0195
7	SYS B QD 2 OK	TEST	RCSMON	0195
6	SYS A QD 1 OK	TEST	RCSMON	0195
5	SYS B QD 1 OK	TEST	RCSMON	0195
4	SYS B QD 3 OK	TEST	RCSMON	0195
3	SYS B QD 4 OK	TEST	RCSMON	0195
2	SYS A QD 3 OK	TEST	RCSMON	0195
1	SYS A QD 4 OK	TEST	RCSMON	0195

## CHAN 33

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	CLOCK OSC OK	RESET	C33TEST	0171
14	NO LGC WARN	RESET	C33TEST	0171
13	NO PIPA FAIL	TEST	C33TEST	0171
12	NO DNTM TOO FAST	TEST	C33TEST	0171
11	NO UPTM TOO FAST	TEST	C33TEST	0171
10	(NOT USED)	RESET	C33TEST	0171
9	LR RNG HIGH	RESET	C33TEST	0171
8	NO LR VEL GD	RESET TEST	C33TEST PRERADAR DGCHECK2 SCALCHNG	0171 0560 0563 0565
7	NO ANT POS 2	RESET TEST	C33TEST LRPOS2 LRPOSXT POSTST	0171 0570 0570 0860
6	NO ANT POS 1	RESET TEST	C33TEST DORSAMP2 P63SPOT3 POSTST	0171 0497 0772 0860
5	NO LR RG GD	RESET TEST	C33TEST PRERADAR DGCHFCCK2 SCALCHNG	0171 0560 0563 0565
4	NO RRDATA GD	RESET TEST	C33TEST R61C+L01 DGOODCHK PRERADAR DGCHECK2 SCALCHNG DATGDCHK	0171 0524 0558 0560 0563 0565 0600
3	RR RNG HIGH	RESET TEST	C33TEST SCALECHK LRS22.1	0171 0564 0578

## CHAN 33

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
2	NO RRPWR/LGC	RESET TFST	C33TEST RRAUTCHK R04B	0171 0186 0280 0504 0511
1	(NOT USED)	RESET	C33TEST	0171

## CHAN 77

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
14	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
13	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
12	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
11	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
10	(NOT USED)	RESET	SKIPSIM INTWAKEX	0215 1205
9	SCALR DOUBLE FREQ	RESET	SKIPSIM INTWAKEX	0215 1205
8	SCALR FAIL	RESET	SKIPSIM INTWAKEX	0215 1205
7	COUNTER FAIL	RESET	SKIPSIM INTWAKEX	0215 1205
6	VOLTAGE FAIL	RESET	SKIPSIM INTWAKEX	0215 1205
5	NITE WATCHMAN	RESET	SKIPSIM INTWAKEX	0215 1205
4	RUPTLOCK	RESET	SKIPSIM INTWAKEX	0215 1205
3	TC TRAP	RESET	SKIPSIM INTWAKEX	0215 1205
2	EMEM PAR FAIL	RESET	SKIPSIM INTWAKEX	0215 1205
1	E OR FMEM PAR FAIL	RESET	SKIPSIM INTWAKEX	0215 1205

## RCSFLAGS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	DOFSTR1	0215
14	(NOT USED)	RESET	DOFSTR1	0215
13	NO DAP JOB	SET RESET TEST	DAPIDLER DOFSTR1 STARTSB1 DAPIDLER	1389 0215 0223 1389
12	PERF PAXIS CALC	SET RESET TEST	STARTDAP SKIPPAXS DOFSTR1 PJETSLEC CHKRTIMR	1390 1407 0215 1415 1406
11	QRBIT	SET RESET TEST	QRTIME DOFSTR1 STARTDAP DETENTCK JUSTOUT TOPSEUDO RUTH ENTERQR	1426 0215 1390 1410 1411 1426 1411 1425
10	PBIT	SET RESET TEST	PEGI DOFSTR1 STARTDAP JUSTOUT LAST RUTH RATERROR	1413 0215 1390 1411 1413 1410 1413
9	JUSTIN	SET RESET TEST	RHMOVED DOFSTR1 DETENTCK CHEKSTIK DETENTCK	1412 0215 1410 1424 1410
8	(NOT USED)	RESET	DOFSTR1	0215
7	(NOT USED)	RESET	DOFSTR1	0215
6	(NOT USED)	RESET	DOFSTR1	0215
5	CALLGMBL	SET RESET TEST	ZEROLOUP DOFSTR1 STARTDAP ACDT+C12 PAXFIL*	1461 0215 1390 1455 1406

## RCSFLAGS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
4	DSPLYALT	RFSET	DOFSTR1	0215
		INVERT	ALTDSPY	1392
3	DSTEPONE	SFT	DOFSTR1 CHEKBITS NEEDLES3	0215 1388 1397
		RFSET	NEFDLER2 NEEDLE11	1396 1396
		TEST	NEEDLER NEEDLER	1396 1396
2	DSTEPTWO	SET	NEEDLE11	1396
		RFSET	DOFSTR1 NEEDLER2	0215 1396
		TEST	NEEDLER	1396
1	TACKBIT	RFSET	DOFSTR1 STARTDAP	0215 1390
		INVERT	ABORTYZ ALTERYZ	1408 1408

## DSPTAB+11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	SET	GLINVERT CAGESUB1 SKIPSIM SFTINFL VBTSTLTS TSTLTS3 ERROR FLIP SETCOARS NDATTDF PROGLARM	0174 0184 0215 0220 0473 0474 0476 0532 1293 1295 1359
		RESET	CDRVE	0160
		TEST	CDRVE	0160
14	(NOT USED)	RESET	CDRVE ERROR SKIPSIM SETINFL VBTSTLTS TSTLTS3	0160 0215 0220 0473 0474 0476
13	(NOT USED)	RESET	CDRVE ERROR SKIPSIM SETINFL VBTSTLTS TSTLTS3	0160 0215 0220 0473 0474 0476
12	(NOT USED)	RESET	CDRVE ERROR SKIPSIM SETINFL VBTSTLTS TSTLTS3	0160 0215 0220 0473 0474 0476
11	(NOT USED)	RESET	SKIPSIM SETINFL VBTSTLTS TSTLTS3 ERROR	0215 0220 0473 0474 0476
10	(NOT USED)	RESET	SKIPSIM SETINFL VBTSTLTS TSTLTS3 ERROR	0215 0220 0473 0474 0476
9	PROG CAUT	SET	VBTSTLTS PROGLARM	0473 1359
		RESET	SKIPSIM TSTLTS3 ERROR	0215 0474 0476
8	TRACKER	SET	VBTSTLTS	0473
		RESET	SKIPSIM SETINFL TSTLTS3 ERROR	0215 0220 0474 0476
		INVERT	FLIP	0532
		TEST	TRKFLO	0532
7	(NOT USED)	RESET	SKIPSIM SETINFL VBTSTLTS TSTLTS3 ERROR	0215 0220 0473 0474 0476

DSPTAB+11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
6	GMBL LOCK	SET	VBTSTLTS	0473
		RESET	TSTLTS3	0474
		INVERT	GLINVERT	0174
		TEST	SETGLOCK SETGLOCK DOFSTRT1 IMUZERO	0174 0174 0216 1288
5	LR ALT FAIL	SET	VBTSTLTS	0473
		RESET	SKIPSIM SETINFL TSTLTS3 ERROR	0215 0220 0474 0476
		INVERT	FLIP	0532
4	NO ATT	SET	CAGESUB1 VBTSTLTS TSTLTS3 SETCOARS	0184 0473 0474 1293
		RESET	TSTLTS3 NOATTOFF	0474 1295
		TEST	DOFSTRT1 GOPROG IMUZERO	0216 0219 1288
3	LR VEL FAIL	SET	VBTSTLTS	0473
		RESET	SKIPSIM SETINFL TSTLTS3 ERROR	0215 0220 0474 0476
		INVERT	FLIP	0532
2	(NOT USED)	RESET	SKIPSIM SETINFL VBTSTLTS TSTLTS3 ERROR	0215 0220 0473 0474 0476
1	(NOT USED)	RESET	SKIPSIM SETINFL VBTSTLTS TSTLTS3 ERROR	0215 0220 0473 0474 0476



## IMODES30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	IMU TEMP NOT OK	RESET INVERT TEST	DOFSTR1 SETINFL IMUMON TLIN	0216 0220 0474 0165 0175
14	NO ISS TURN-ON	SET INVERT TEST	DOFSTR1 SETINFL IMUMON NXTIFBIT PROCTNON ENDTNON ITURNON	0216 0220 0165 0166 0168 0168 0176
13	NO IMU FAIL	SET INVERT TEST	DOFSTR1 SETINFL IMUMON SETISSW	0216 0220 0474 1295 0165 0183
12	NO ICDU FAIL	SET INVERT TEST	DOFSTR1 SETINFL IMUMON SETISSW	0216 0220 0474 0165 0183
11	NO IMU CAGE (EXT)	SET INVERT	DOFSTR1 SETINFL IMUMON	0216 0220 0165
10	NO PIPA FAIL	SET TEST	PIPFAIL DOFSTR1 SETINFL PFAILOK PIPFAIL SETISSW PIPFREE	0181 0216 0220 0474 0476 1295 0181 0183 1296
9	NO IMU OPER	SET INVERT TEST	DOFSTR1 IMUMON PROCTNON PIPFAIL IMUCHK IMUZFRQA P02BOTH	0216 0165 0168 0181 0963 1288 1310
8	IMU TURN-ON 2	SET RESET TEST	TNONTEST PROCTNON DOFSTR1 SETINFL TNONTEST PIPFAIL	0168 0168 0216 0220 0168 0181

## IMODES30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	IMU TURN-ON 1	SET RESET TEST	ITURNON2 PROCTNON DOFSTRT1 SETINFL TNONTEST PIPFAIL	0177 0168 0216 0220 0167 0181
6	IMU CAGE (INT)	SET RESET TEST	CAGESUB2 ISSUP DOFSTRT1 SETINFL SETGLOCK V37 CAGETSTJ CAGTFEST CAGETSTQ	0184 0169 0216 0220 0174 0231 1305 1305 1305
5	INH PIPA FAIL ALM	SET RESET TEST	CAGESUB2 DOFSTRT1 PIPFALL	0184 0216 0181
4	INH IMU ISS WARN	SET RESET TEST	CAGESUB2 DOFSTRT1 IMUZEROA SETCOARS ISSUP IMUZFRO3 IFAILOK SETISSW	0184 0216 1288 1293 0169 1289 1295 0183
3	INH CDU ISS WARN	SET RESET TEST	CAGESUB2 IMUZEROA ISSUP DOFSTRT1 IMUZFRO3 SETISSW	0184 1288 0169 0216 1289 0183
2	IMU TURN-ON FAIL	SET RESET TEST	ITURNON ENDTNON DOFSTPT1 SETINFL ENDTNON ITURNON IMUOP2	0176 0168 0216 0220 0168 0176 0180
1	INH PIPA ISS WARN	SET RESET TEST	CAGESUB2 DOFSTRT1 PIPFREE PIPUSE1 PIPFALL SETISSW	0184 0216 1296 1296 0181 0183

## IMODES33

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	DOFSTR1 DSPOFF	0217 0226
14	NO PROCEED	RESET INVERT TEST	DOFSTR1 DSPOFF PROCEDE PROCEDE	0217 0226 0162 0162
13	NO PIPA FAIL	SET INVERT TEST	DOFSTR1 DSPOFF C33TEST NXTIBT	TSTLTS3 ERROR PFAILOK 0217 0226 0474 0476 1295 0171 0172
12	NO DNTM TOO FAST	SET INVERT	DOFSTR1 DSPOFF C33TEST	TSTLTS3 ERROR 0217 0226 0474 0476 0171
11	NO UPTM TOO FAST	SET INVERT	DOFSTR1 DSPOFF C33TEST	TSTLTS3 ERROR 0217 0226 0474 0476 0171
10	(NOT USED)	RESET	DOFSTR1 DSPOFF	0217 0226
9	(NOT USED)	RESET	DOFSTR1 DSPOFF	0217 0226
8	RR EC FN	SET RESET TEST	INTLZF DOFSTR1 DSPOFF DISPRSET	DISPRSET 0886 0217 0226 0986 0886
7	DISP RR ALT	RESET	DOFSTR1 DSPOFF	0217 0226
6	NODAP IMU	SET RESET TEST	IMUOP CAGFSUB2 DOFSTR1 IMUZER0A SETCOARS ISSUP IMUZER03 IMUJFINE CHEKBITS	0180 0184 0217 1288 1293 0169 1289 1294 1388
5	IMU CDU ZEROING	SET RESET	IMUZER0A DOFSTR1 DSPOFF	IMUZER03 1288 0217 0226 1289
4	(NOT USED)	RESET	DOFSTR1 DSPOFF	0217 0226

## IMODES33

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
3	(NOT USED)	RESET	DOFSTRT1 DSPOFF	0217 0226
2	(NOT USED)	RESET	DOFSTRT1 DSPOFF	0217 0226
1	LAMP TEST	SET	VBTSTLTS	0473
		RESET	DOFSTRT1 DSPOFF TSTLTS3	0217 0226 0474
		TEST	ISSWOFF LAMPTEST SETTRKF	0183 0185 0531