

CPC/LGC - BIT FLAGCRC EXTRACTION LISTING

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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REPLY TO
ATTN OF: FS66-71-64

JUN 11 1971

MEMORANDUM

TO: Distribution

FROM: FS/Chief, Flight Support Division

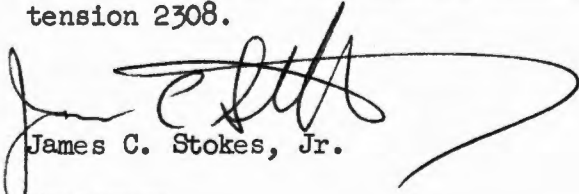
SUBJECT: Apollo 15 CMC and LGC Flagbit Reference List Update

Reference is made to our memorandums:

- a. FS66-71-41, dated April 12, 1971, entitled "Apollo 15 CMC Flagbit Reference List";
- b. FS66-71-48, dated April 20, 1971, entitled "IGC Flagbit Reference List (Apollo 15)."

Enclosed are update pages to the above referenced memorandums. Please replace the corresponding pages in the referenced memorandums with the corrected pages enclosed.

Please direct comments, questions, corrections, requests for copies, or requests for distribution removal to Mr. C. D. Sykes, FS6, extension 2308.


James C. Stokes, Jr.

Enclosure

FS66/CDSykes:jvm:6/10/71:2308

RCSFLAGS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	RCS BIT 15	SET	HIGHGAIN NOTYET	420 1066
		RESET	STOPRATE IMUAOK	422 1013
		TEST	OKGIMB	1015
14	RCS BIT 14	SET	RCSATT FREECHK ZERCT5 NOTYET	1000 1002 1013 1015
		RESET	IMUAOK	1013
		TEST	RATEFILT NOCHANGE AFFNORCT	1002 1017 1024
13	RCS BIT 13	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK J23	1013 1032
		TEST	SETWBODY NORATE GRABANG	1017 1018 1027
12	RCS BIT 12	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK J23	1013 1032
		TEST	SETWBODY NORATE GRABANG	1017 1018 1027
11	RCS BIT 11	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK J23	1013 1032
		TEST	SETWBODY NORATE GRABANG	1017 1018 1027
10	RCS BIT 10	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032
9	RCS BIT 9	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032
8	RCS BIT 8	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032

RCSFLAGS

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	RCS BIT 7	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032
6	RCS BIT 6	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032
5	RCS BIT 5	SET	NOHIAUTO NOTYET	1016 1066
		RESET	IMUAOK NOHIAUTO	1013 1016
		TEST	FREEFUNC J23	1018 1032
4	RCS BIT 4	SET	DACNDLS NOTYET	1007 1066
		RESET	IMUAOK FDAIDSP2	1013 1021
		TEST	DACNDLS	1007
3	RCS BIT 3	SET	ATERTASK ATRESET REDOSAT RCSDAPON NEEDLEIN	541 547 550 735
			RCSINT IMUAOK NOTYET	1009 1013 1066
		RESET	NEEDLER2 NEEDLE11	1009 1009
	TEST	NEEDLER1 NEEDLER1	1009 1009	
2	RCS BIT 2	SET	NEEDLE11 NOTYET	1009 1066
		RESET	NEEDLER2 IMUAOK	1009 1013
		TEST	NEEDLER1	1009
1	RCS BIT 1	SET	T6START	1060
		RESET	IMUAOK ZEROJET ENDJETS NOTYET	1013 1014 1058 1066
		TEST	T6START	1060

BIT	CHAN11 MNEMONIC	ACTION	ROUTINE	PAGE
15	(NOT USED)	RESET	DOFSTART	194
14	(NOT USED)	RESET	DOFSTART	194
13	ENG ON	SET RESET	NOCOARSE SPSON IMUCAGE DOFSTART SPSOFF	200 702 160 194 705
12	(NOT USED)	RESET	DOFSTART	194
11	(NOT USED)	RESET	DOFSTART	194
10	CAUTION RESET	SET RESET	ERROR DOFSTART DUMMYAD	392 194 211
9	TEST CONNECTOR	SET RESET	MAKESERV DOFSTART DUMMYAD AVGEND	829 194 211 834
8	(NOT USED)	RESET	DOFSTART	194
7	OPR ERR	SET RESET	FALTON VBTSTLTS DOFSTART STARTSB2 TSTLTS3 ERROR	385 390 194 202 390 392
6	FLASH	SET RESET	FLASHON VBTSTLTS DOFSTART STARTSB2 FLASHOFF	385 390 194 202 386
5	KEY REL	SET RESET	RELDSPON VBTSTLTS DOFSTART STARTSB2 FELDSP2 WITCHONE	385 390 194 202 388 1471
4	TEMP CAUTION	SET RESET	TLIM VBTSTLTS TEMPOK DOFSTART STARTSB2 TSTLTS3	157 390 157 194 202 390
3	UPL ACTV	SET RESET	VBTSTLTS T6CHNSET STKTEST UPRUPT DOFSTART STARTSB2 VBRELDSP UPACTOFF TSTLTS3 ERROR T6RESET	390 529 597 1446 194 202 376 386 392 529

CHAN11

= CSALMOUT

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
2	COMP ACTV	SET	NUCHANG2 NUDIRECT	1215 1220
		RESET	DOFSTART DUMMYJOB	194 1220
1	ISS WARN	SET	ISSWON VBTSTLTS	167 390
		RESET	ISSWOFF DOFSTART TSTLTS3	166 194 390
		TEST	ENDIMU	1435

IMODES30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE			
15	IMU TEMP OK	RESET	DOFSTART NOCOARSE TSTLTS3	195	199	391	
		INVERT	IMUMON	147			
		TEST	IMUMON IMUMON TLIM	147	147	157	
14	NO ISS TURN-ON	SET	DOFSTART NOCOARSE	195	199		
		INVERT	IMUMON	147			
		TEST	IMUMON NXTIFBIT PROCTNCN ENDTNCN ITURNON	147	148	150	151
13	NO IMU FAIL	SET	DOFSTART NOCOARSE TSTLTS3 IFAILOK	195	199	391	1425
		INVERT	IMUMON	147			
		TEST	IMUMON NXTIFBIT SETISSW	147	148	166	
12	NO ICPU FAIL	SET	DOFSTART NOCOARSE TSTLTS3	195	199	391	
		INVERT	IMUMON	147			
		TEST	IMUMON NXTIFBIT SETISSW	147	148	166	
11	NO IMU CAGE	SET	DOFSTART NOCOARSE	195	199		
		INVERT	IMUMON	147			
		TEST	IMUMON NXTIFBIT	147	148		
10	NO PIPA FAIL	SET	PIPFALL DOFSTART NOCOARSE TSTLTS3 ERROR	164	195	199	391
			PFAILOK	1425			
		RESET	PIPFALL SETISSW PIPFREE	164	166	1426	
	TEST	PIPFALL	164				
9	NO IMU OPER	SET	DOFSTART	195			
		INVERT	IMUMON	147			
		TEST	IMUMON NXTIFBIT PROCTNCN PIPFAIL P51	147	148	150	164
			IMUZEROA RO2BOTH	1418	1440		
8	IMU TURN-ON 2	SET	TNONTTEST	150			
		RESET	PROCTNCN DOFSTART NOCOARSE	150	195	199	
		TEST	TNONTTEST PIPFAIL	150	164		

IMOCES30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	IMU TURN-ON 1	SET	ITURNON2	159
		RESET	PROCTNON DOFSTART NCCOARSE	150 195 199
		TEST	TNONTEST PIPFAIL	149 164
6	IMU INTL	SET	CAGESUB2	167
		RESET	ISSUP DOFSTART NCCOARSE	151 195 199
		TEST	SETGLOCK AUTO37 CAGETSTG CIGETEST CAGETSTQ	156 209 1435 1435
			CAGETSTJ	1435
5	INH PIPA FAIL ALM	SET	CAGESUB2	167
		RESET	DOFSTART PFAILOK	195 1425
		TEST	PIPFALL	164
4	INH IMU ISS WARN	SET	CAGESUB2 DOFSTART IMUZERCA SETCOARS	167 195 1418 1423
		RESET	ISSUP IMUZERO3 IFAILOK	151 1419 1425
		TEST	SETISSW	166
3	INH CDU ISS WARN	SET	CAGESUB2 IMUZEROA	167 1418
		RESET	ISSUP DOFSTART IMUZERC3	151 195 1419
		TEST	SETISSW	166
2	IMU TURN-ON FAIL	SET	ITURNON	158
		RESET	ENDTNON DOFSTART NCCOARSE	150 195 199
		TEST	ENDTNON ITURNON IMUP2	150 158 163
1	INH PIPA ISS WARN	SET	CAGESUB2 DOFSTART PIPFREE	167 195 1426
		RESET	PIPUSE1	1426
		TEST	PIPFALL SETISSW	164 166

ULMINARY 210

PAGE 3

FLAGWRDO

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
1	P66PROFL	SET	DEC66	797
		RESET	DOFSTRT1 STOPFIRE	224 813
		TEST	ENGARM2	816

FLAGWRD1

BIT	MNEMONIC	ACTION	ROUTINE					PAGE				
15	NJETSFLG	SET	DPDAT1					306				
		RESET	DOFSTRT1	DPDAT1				224	306			
		TEST	P41LM					751				
14	DIDFLAG	SET	DISPINIT					902				
		RESET	DOFSTRT1	PCLoop	DISPASET			224	228	903		
		TEST	ALTSTUFF					898				
13	ERADFLAG	RESET	DOFSTRT1	P21DSP	F52L3	P97POST		224	660	929	97	
		TEST	TSTRLSRM	SETRE				1137	1137			
12	RODFLAG	SET	RE-IN66					798				
		RESET	DOFSTRT1	PCLoop	F66			224	228	814		
		TEST	RE-IN662					798				
11	NOTERFLG	SET	TEROFF	RE-IN66				284	798			
		RESET	DOFSTRT1	FLAGORGY				224	781			
		TEST	POSUPDAT					886				
10	R61FLAG	SET	R61LEM					533				
		RESET	DOFSTRT1	R65LEM				224	533			
		TEST	R61C+L06					535				
9	(NOT USED)	RESET	DOFSTRT1					224				
8	VEHUPFLG	SET	CSMVEC	ORBCHGO				301	508			
		RESET	DOFSTRT1	LEMVEC	NCWMATX			224	301	510		
		TEST	UPPSV5	LSR22,3	SETX2	GSK	VOK		516	595	596	597
			SHAFTBG	TRUNBG	FAZAB3	F1ZC			600	601	1154	1155
7	UPDATFLG	SET	STATQUO	PROG20A	P30N33	P10	P32/P72C	243	510	620	621	
			P33/P73C	P20FLGON	S34/35,5				634	635	681	
		RESET	DOFSTRT1	SEUDOP00	TRMTRAK1	P30N33	CLUPDATE		224	241	299	621
		TEST	R22LEM3					522				

FLAGWRD1

BIT	MNEMONIC	ACTION	ROUTINE	PAGE			
6	NOUPFLAG	SET	UPDATOFF				301
		RESET	DOFSTR1 NOUPDOWN				224 301
		TEST	R22LEM3				521
5	TRACKFLG	SET	STATQUO PROG20A PROG25 P30 P20FLGON				243 510 518 620
			P76ER77				711
		RESET	DOFSTR1 SEUDOPOO TRMTRAK1 RNDREFDR FLAGS				224 241 300 1312
		TEST	CHECKRR TRMTRACK RELINUS P20LEMB P20LEMC1				292 299 490 512
			P20LEMWT P20LEMC P20LEMC1 P25LEM1 R22LEM4				514 514 515 518
			R22LEM2 R61C+L02 R61LEM1				521 534 534
4	FRSTIME	SET	R21LEM4				526
		RESET	DOFSTR1 R21LEM00				224 526
		TEST	R21LEM00				526
3	SLOPESW	SET	LAMBERT				1191
		RESET	DOFSTR1 ITERATOR				224 1180
		TEST	ITERATOR LAMBLOOP				1180 1193
2	GUESSW	SET	INITVEL				689
		RESET	DOFSTR1 INITVEL4				224 691
		TEST	MINCOGA				1192
1	(NOT USED)	RESET	DOFSTR1				224

FLAGWRD2

BIT	MNEMONIC	ACTION	ROUTINE				PAGE			
15	DRIFTFLG	SET	ISSUP	AVGEND	NCORSE		175	867	949	
		RESET	DOFSTR1	BIBIBIAS	GYCOARS	RNDREFDR	224	860	941	1312
		TEST	ISSUP	NBDONLY	SVCT3		175	346	1119	
14	SRCHOPTN	SET	R24LEM				530			
		RESET	DOFSTR1	TRMTRACK	PROG20A	P20LEMB3	224	298	510	513
		TEST	P20LEMB3	DORROUT	CHKSRCH		513	567	609	
13	ACMODFLG	SET	P20LEMB1				513			
		RESET	DOFSTR1	PROG20A	P20LEMB3		224	511	514	
		TEST	P20LEMB3				513			
12	LOSCMFLG	SET	R21LEM10				525			
		RESET	DOFSTR1	PROG20A	R21END	R21LEM4 R24LEM	224	511	525	526
		TEST	RRDESNB	RRDESDUN	LPS23.1		559	567	583	
11	STEERSW	SET	DVMON				866			
		RESET	DOFSTR1	TGOCALC	CCPYCYCL		224	766	865	
		TEST	TGOCALC	STEERSW2			766	810		
10	(NOT USED)	RESET	DOFSTR1				224			
9	IMPULSW	SET	TGOCALC	S40.132			766	768		
		RESET	DOFSTR1	IMPLBURN	NSTEER	S10.13	224	753	758	768
		TEST	P42IGN	NSTEER			735	757		
8	XDELVFLG	SET	P30N33	ADVANCE			620	648		
		RESET	DOFSTR1	INITVELX			224	693		
		TEST	S40RET	DELVTEST	S40.1		756	760	766	
7	ETPIFLAG	SET	P34/P74A				664			
		RESET	DOFSTR1	P34/P74A			224	664		
		TEST	P34/P74C	SWCHCLR	FLEX		665	665	673	

FLAGWRD5

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	ENGONFLG	SET	IGNITION ABRTJASK	733 833
		RESET	IMUCAGE DOFSTR1 ENGINOF3	184 224 756
		TEST	SETINFL DELGMRLP	227 912
6	3AXISFLG	SET	GOMOVE	500
		RESET	DOFSTR1 DUMMYAD V89CALL1 ENDMANU1 R61C+L05	224 240 352 489
		TEST	P41MANU R52B REDOMANN REDOMANC	749 952 488 488
5	AORBSYST	RESET	DOFSTR1	224
		INVERT	ALTSYST	1435
		TEST	LAST	1434
4	NORRMON	SET	NOLOKON R21LEM8 R23LEM	284 527 528
		RESET	DOFSTR1 STARTSB2 NCREMODE P90G20A R21LEM3	224 231 283 511
		TEST	R23LEM11 R23LEM2 RRGIMON	528 529 197
3	SOLNSW	SET	SUFFCHEK 360LAMB CIRCULAR	1194 1194 1197
		RESET	DOFSTR1 LAMBERT TERMNVEC	224 1191 1197
2	MGLVFLAG	SET	GET,LVC	695
		RESET	DOFSTR1 SETMGA	224 695
1	RENDWFLG	SET	WVELSTOR	605
		RESET	DOFSTR1 WMATRXNG V67CLRP ATMAG INTWAKEX	224 302 615 844
		TEST	WMATEND STATEUP DOINT CRBCHG3 UPPSV LSR22.3	1241 247 248 509 516
			DOLEM MARKTEST AVETOMID	596 596 1218

FLAGWRD6

BIT	MNEMONIC	ACTION	ROUTINE					PAGE			
15	S32.1F1	SET RESET TEST	CSI/B22 DOFSTR1 CSI/B2	CSI/A	SCNDSOL			640 224 640	638	647	
14	S32.1F2	SET RESET TEST	CSI/A DOFSTR1 K2,	SCNDSOL FRSTPAS				638 224 645	647		
13	S32.1F3A	SET RESET TEST	K2, DOFSTR1 CSI/B2	FIFTYFPS CSI/A K2,	SCNDSOL THRDCM	SCNDSOL		645 224 640	646 638 645	647	647
12	S32.1F3B	SET RESET TEST	CSI/A DOFSTR1 CSI/B2	FIFTYFPS K2, K2,	SCNDSOL THRDCM	SCNDSOL		639 224 640	646 645 645	647	647
11	(NOT USED)	RESET	DOFSTR1					224			
10	GMBDRVSW	SET RESET TEST	PITCHOFF DOFSTR1 ROLLOVER	TRIMGIMB				778 224 777	777		
9	(NOT USED)	RESET	DOFSTR1					224			
8	MUNFLAG	SET RESET TEST	FLAGORY DOFSTR1 RRGIMON AVERAGEG	P12LM DUMMYAD GETRVN SERVIDLE	AVGEND MUNG NCRMLIZE	P41SPOT	RED05.5	781 224 197 865	838 240 709 869	868 710	729 871
7	(NOT USED)	RESET	DOFSTR1					224			
6	REDFLAG	SET RESET TEST	P64CEED DOFSTR1 REDESIG	FLAGORY STARTP64 P64DISP	RED-OVER			812 224 801	781	799	812

FLAGWRD6

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
5	(NOT USED)	RESET	DOFSTRT1	224
4	(NOT USED)	RESET	DOFSTRT1	224
3	NTARGFLG	SET	NTARGCHK	681
		RESET	DOFSTRT1 FLAGON	224 681
		TEST	NTARGCHK	681
2	AUXFLAG	SET	NODVMON2	866
		RESET	DOFSTRT1 NODVMON1	224 866
		TEST	COPYCYCL	865
1	ATTFLAG	SET	REFMF	977
		RESET	DOFSTRT1	224
		TEST	PACKOPTN DSPOPTN ATTCHK	974 974 978

FLAGWRD7

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	ITSWICH	SET	P33/P73B P34/P74C	633 665
		RESET	DOFSTRT1 SWCHCLR P34/P74C	224 665 665
		TEST	SWCHCLR TESTY	665 670
14	(NOT USED)	RESET	DOFSTRT1	224
15	IGNFLAG	SET	TIG=0	733
		RESET	DOFSTRT1 TIG=5 CVMONCCN IMPLBURN	224 732 735 755
		TEST	IGNITE	742
12	ASTNFLAG	SET	*PROCEED	741
		RESET	DOFSTRT1 TIG=5 CVMONCCN IMPLBURN	224 732 735 755
		TEST	IGNYET2	733
11	SWANDISP	SET	COPYCYC1	880
		RESET	DOFSTRT1 AVGEND	224 868
		TEST	LANADISP	895
10	NORMSW	SET	INITVEL2	690
		RESET	DOFSTRT1 INITVEL1 PARAM	224 690 1184
		TEST	S40RET S40.1B S40.2 R1STEER1 GEOM	756 762 772 774
9	RVSW	SET	VN06I1 CSI/B23D CSI/B3 P34/P74E	628 640 642 666
		RESET	DOFSTRT1 NOWMATX CDHMVR	224 509 653
		TEST	COMMNOUT	1184
8	V67FLAG	SET	N99LOOP	614
		RESET	DOFSTRT1 V67WW	224 615
		TEST	V06N9933	614

FLAGWRD7

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	IDLEFLAG	SET	DOFSTR1 COMFAIL ENGINEP1 N9TEER ENGOFF	224 737 755 758
			SERVIDLE	869
		RESET	DVMONCON COMFAIL4 GCABORT	735 737 834
		TEST	NSTEER MAINENG CCPYCYCL	757 847 865
6	V37FLAG	SET	BIBIBIAS	860
		RESET	DOFSTR1 AVGEN	224 868
		TEST	ISSERVON RDRUSECK V90PERP G0P0000	239 292 296 1380
5	AVEGFLAG	SET	BIBIBIAS	860
		RESET	DOFSTR1 ISSERVON	224 239
		TEST	RRGIMON DESCRIB8 LRPOS2K V13CALL REV83	197 270 278 706
			V82CALL R10,R11 LEGAL2 R8D05,5	716 831 837 861
4	UPLOCKFL	SET	TMFAIL2	1337
		RESET	DOFSTR1 CLUPLOCK	224 1336
		TEST	UPOK	1336
3	VERIFLAG	RESET	DOFSTR1	224
		INVERT	UPSTORE	1388
2	V82EMFLG	SET	MOONPAD MOONGON	718 720
		RESET	DOFSTR1 EARTH PAD EARTHGCN	224 718 720
		TEST	TFFCALLS SR30.1 STORHAPO	723 723 723
1	TFFSW	SET	CALCTPER	1274
		RESET	DOFSTR1 CALCTFF	224 1274
		TEST	CALCTFF	1274

FLAGWRD8

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	RPGFLAG	SET RESET TEST	INTEGRVS INTEGRV1 DOFSTR1 GETRPSV TIMESTEP LUNSPH	1212 1213 1231 224 1229 1235 1237
14	(NOT USED)	RESET	DOFSTR1	224
13	NEWIFLG	SET RESET TEST	INTEGRVS INTEGRV1 DOFSTR1 POOHCHK POOHCHK	1212 1213 224 1216 1216
12	CMOONFLG	SET RESET TEST	ATTACHIT ATOPCSM ATTACHIT ATOPCSM CSI/B23D INTINT SETMUER PTOACSM SELECTMU P76SUB1	309 1207 309 1208 641 680 696 696 1208
11	LMOONFLG	SET RESET TEST	ATOPLEM ATOPLEM ATTACHIT RANGEBO1 REV83 FAZAB PTOALEM CTWERS OTHINT NEXTLINE	1209 1209 309 596 707 708 1154 1209 1218
10	FLUNDISP	SET RESET TEST	COMFAIL DOFSTR1 IGNITION COMFAIL4 DISPEXIT ASCTERM1 GOCUTOFF GOABORT	737 224 734 737 742 811 851
9	(NOT USED)	RESET	DOFSTR1	224
8	SURFFLAG	SET RESET TEST	LANDJUNK ATMAG STATEUP DOINT GETMKS NBDONLY NBDONLY LASTBIAS UPPSV4 LUNSFCHK LUNDESCH LSR22,3 RANGERG VCK2 V06N9933 P21VSAVE V83CALL PTOALEM	787 844 247 247 265 266 346 346 348 511 516 523 555 555 595 596 599 604 615 658 706 707 1209

FLAGWRD8

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
7	INFINFLG	SET	OVFLCLR	1190
		RESET	DOFSTR1 XCOMMON	224 1188
		TEST	COMMNOUT LAMBLOOP	1184 1193
6	ORDERSW	RESET	DOFSTR1	224
		TEST	SGNCHECK ITERATOR PCSDEL	1180 1180 1181
5	APSESW	SET	BADR2	1197
		RESET	DOFSTR1 TIMERAD	224 1196
4	COGAFLAG	SET	COGAOVFL	1184
		RESET	DOFSTR1 PARAM COMMNOUT	224 1184 1184
3	(NOT USED)	RESET	DOFSTR1	224
2	INITALGN	SET	BYLMATT	978
		RESET	DOFSTR1 P57JUMP	224 978
		TEST	INITBY WRIDESIR B2F8 COATRIM	969 969 970 972
1	360SW	SET	360CHECK	1189
		RESET	DOFSTR1 GETX	224 1187
		TEST	POLYCOEF	1188

FLAGWRD9

BIT	MNEMONIC	ACTION	ROUTINE	PAGE			
15	(NOT USED)	RESET	DOFSTR1	224			
14	FLVR	SET RESET TEST	YOK DOFSTR1 AIMER	835 224 851	838 852		
13	P7071FLG	SET RESET TEST	GOABORT DOFSTR1 ASCENT	834 224 846	850		
12	FLPC	SET RESET TEST	T2TEST DOFSTR1 T2TEST	848 224 848			
11	FLPI	SET RESET TEST	P12LM DOFSTR1 AIMER	839 224 851	841		
10	FLRCS	SET RESET TEST	CUTOFF DOFSTR1 ATMAG	854 224 844	834 847	839 851	
9	LETABORT	SET RESET TEST	P63IGN DOFSTR1 IO,11	734 224 831	787 837	836	
8	FLAP	SET RESET TEST	UPTHROT DOFSTR1 P71RET	836 224 836	842		
7	ABTTGFLG	SET RESET	YOK DOFSTR1	836 224	240		

RASFLAG

= FLGWRD10

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
2	CONTRLFL	SET	LITEOK	192
		RESET	DOPSTR1 SHUTDOWN MANMODE	224 1411 1429
		TEST	GLOCKOK	191
1	NPGNCSFL	SET	AGSINDIC	1408
		RESET	DOPSTR1 CHEKMORE	224 1408
		TEST	CHEKMORE	1407

FLGWRD11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	LRBYPASS	SET	DOFSTR1 DUMMYAD	224
		RESET	FLAGORGY	781
		TEST	STARTSR1 LRPOS2K	230
			ABRTJASK SRVIDLE	240
			FCRUSECK RQD05,5	278
			MUNRETRN	292
14	VFAILFLG	SET	VFAIL	893
		RESET	DOFSTR1 DUMMYAD	224
			ABRTJASK SRVIDLE	240
			VELUPDAT	833
				869
13	HFAILFLG	SET	HFAIL	893
		RESET	DOFSTR1 DUMMYAD	224
			ABRTJASK SRVIDLE	240
			TERSKIP	833
				869
12	VXINH	SET	NOLITE	893
		RESET	DOFSTR1 DUMMYAD	224
		TEST	VELUPDAT	890
			ABRTJASK SRVIDLE	240
			VELUPDAT	833
				869
11	PSTHIGAT	SET	HIGATASK REREPOS	876
		RESET	DOFSTR1 DUMMYAD	224
		TEST	TERSKIP HIGATCHK	888
			ABRTJASK SRVIDLE	894
				240
				833
				869
10	NOLRREAD	SET	HIGATASK REREPOS	876
		RESET	DOFSTR1 DUMMYAD	224
		TEST	R12READ R12	570
			ABRTJASK SRVIDLE	894
			HIGATJOB	240
				833
				869
9	XORFLG	SET	30KCHK	877
		RESET	DOFSTR1 DUMMYAD	224
		TEST	MUNRETRN	877
			ABRTJASK SRVIDLE	240
				833
				869
8	LRINH	SET	LRON	284
		RESET	DOFSTR1 DUMMYAD	224
			LROFF	877
		TEST	P63DISPS NOREASON	811
			ABRTJASK SRVIDLE	240
			VLPDAT	284
				833
				890

FLGWRD11

BIT	MNEMONIC	ACTION	ROUTINE	PAGE				
7	VELDATA	SET	STORVEL		576			
		RESET	DOFSTR1 DUMMYAD	ABRTJASK SERVIDLE CONTSERV	224	240	833	869
		TEST	VELDATA2		889			
6	(NOT USED)	RESET	DOFSTR1 DUMMYAD	ABRTJASK SERVIDLE	224	240	833	869
5	(NOT USED)	RESET	DOFSTR1 DUMMYAD	ABRTJASK SERVIDLE	224	240	833	869
4	RNGEDATA	SET	STORALT		575			
		RESET	DOFSTR1 DUMMYAD	ABRTJASK SERVIDLE CONTSERV	224	240	833	869
		TEST	UPDATCHK		886			
3	R12RDFLG	SET	R12RDSET		570			
		RESET	DOFSTR1 STARTSB2 DUMMYAD	OKUPDATE ABRTJASK	224	231	240	576
		TEST	SERVIDLE R12THRU2		869			889
2	VFLSHFLG	SET	VFAIL		893			
		RESET	DOFSTR1 DUMMYAD	CNLITES ABRTJASK SERVIDLE	224	240	618	833
		TEST	VELUPDAT BOTHLITS FLASHV2		890			618 831
1	HFLSHFLG	SET	HFAIL		893			
		RESET	DOFSTR1 DUMMYAD	CNLITES ABRTJASK SERVIDLE	224	240	618	833
		TEST	TERSKIP BOTHLITS R10,R11A		888			618 831

FLGWRD12

:FADMODES

BIT	MNEMONIC	ACTION	ROUTINE					PAGE			
15	CODESFLAG	SET	NOLOKON	R21LEM8	CCNTDES2			284	526	610	
		RESET	ITURNON2	RRAUTCHK	STARTSLB	CLRADM1		183	193	230	531
		TEST	RRDESEND	STDESIG	CCNBRD			283	562	567	
14	REMODFLG	SET	TRYSWS	TRYSWN				558	559		
		RESET	ITURNON2	RRAUTCHK	STARTSLB	STARTSB2	REMODE	183	193	230	231
		TEST	RRGIMON	RRWAIT	REMODCHK	RR1AX2	BEGDES	197	282	283	550
			CHKSRCH					609			
13	RCDUOFLG	SET	RRAUTCHK	RRZERO				193	553		
		RESET	ITURNON2	RRAUTCHK	STARTSLB	STARTSB2	RRZEROSB	183	193	230	231
		TEST	RRCDUCHK	RRGIMON	P20LEMB3	R22LEM12	RRTRKF	196	197	513	521
12	ANTENFLG	SET	RRZEROSB					544			
		RESET	ITURNON2	STARTSUB				183	230		
		INVERT	RMODINV					548			
		TEST	RRANGLES	R21LEM3	RRLIMCHK	DORREPOS	DORREPOS	335	524	538	545
			REMODE	REMODE	REMODE	REMODE	RRLIMNB	547	548	548	548
	DONBRD					566					
11	REPOSOMON	SET	MONREPOS					198			
		RESET	ITURNON2	RRAUTCHK	STARTSLB	STARTSB2	REPOSRPT	183	193	230	231
		TEST	RRGIMON	RRWAIT	REMODCHK	RR1AX2	RRZERO	197	282	283	550
			STARTDES	STDESIG	NCTP20	RENDRAD		556	562	568	573
10	DESIGFLG	SET	STARTDES					556			
		RESET	ITURNON2	STARTSUB	CLRADM1	BIDDES	RRDESOUN	183	230	531	562
		TEST	REPOSRPT	REMODE	STDESIG			546	548	562	
9	ALTSCALE	SET	R04Z					288			
		RESET	ITURNON2	STARTSUB	R04Z			183	230	288	
		INVERT	SCALCHNG					574			
		TEST	SCALECHK	SCALADJ				573	574		

CHAN 14

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
4	THRUST DR	SET RESET	SETINFL P40ZOOM ENGINOP3 DCIT DOFSTRT1	227 736 756 791 223
3	H/HDOT DISP EN	SET RESET	ALTRROUT ALTROUT DOFSTRT1 STARTSB2	898 898 223 231
2	HDOT DISP	SET RESET	ALTRROUT DOFSTRT1 STARTSB2 ALTROUT	898 223 231 898
1	(NOT USED)	RESET	DOFSTRT1 STARTSB2	223 231

CHAN 30

BIT	MNEMONIC	ACTION	ROUTINE	PAGE
15	IMU TEMP OK	TEST	IMUMON	171
14	NO ISS TURN-ON	TEST	IMUMON	171
13	NO IMU FAIL	TEST	IMUMON	171
12	NO ICDU FAIL	TEST	IMUMON	171
11	NO IMU CAGE	TEST	IMUMON	171
10	NO PGNCs CONT	TEST	G+N, AUTO FINDCDUW CHECKMORE	491 908 1407
9	NO IMU OPER	TEST	IMUMON	171
8	(NOT USED)			
7	NO RRCDU FAIL	TEST	RRCDUCHK	195
6	NO DID RGST			
5	NO AUTC TRTL	TEST	P40A/P MANTHRT2	743 817
4	NO ABRT STG	TEST	P71NOW	832
3	NO ENG ARM	TEST	ENGARM2	816
2	(NOT USED)			
1	NO ABORT CMD	TEST	P70NOW	832