

EG/mi/silver

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER
HOUSTON, TEXAS 77058

REPLY TO
ATTN OF: FS63-73-61

APR 24 1973

MEMORANDUM

TO: WC/Integration Division
Attn: WC3/Michael A. Collins

FROM: FS/Chief, Flight Support Division

SUBJECT: Skylab CMC Erasable Final Erasable Load

Enclosure 1 to this memorandum consists of the current values for the parameters in the Prelaunch Erasable Load for the Skylab CMC. This erasable load is based on the SKYLARK 48 CMC program, which was released on November 10, 1972, and the Skylab 1/2 mission.

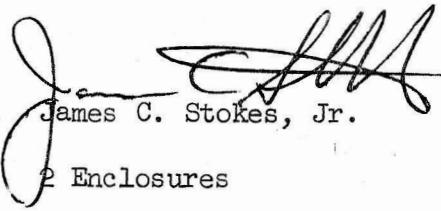
A number in the REV column next to a parameter mnemonic denotes the number of times that that particular parameter value has been changed in official erasable load publications since the original publication of October 8, 1971.

A single or double star (* or **) next to a parameter mnemonic denotes that it is also in the Inflight Erasable Load. These parameters would have to be verified or reloaded in order to completely initialize the CMC LGC in orbit. A single star denotes loading by ground uplink; a double star denotes loading by the astronaut via the DSKY.

Enclosure 2 is the Inflight Erasable Load in uplink format. All values in the Inflight Erasable Load are consistent with the values in the Prelaunch Erasable Load.

Enclosure 2 is the OWS state vector at SL-2 insertion + 1 minute. This vector is not included in the K-start tape, but will be manually loaded on the pad via V71.

Questions or comments regarding Skylab CMC erasable loads should be directed to Mr. J. A. Martin, extension 4296.


James C. Stokes, Jr.

2 Enclosures

cc: See list attached

FS63/JAMartin:jvm:4/12/73:4296

cc:

KSC/J. S. Tadich, LS-ENG-62
MIT/SDL/M. Cramer

S. L. Copps
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C. D. Nelson
C. K. Seaman

CG4/C. C. Thomas

CG413/T. Putnam

EA3/R. A. Gardiner

EG/MIT/T. Lawton

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FC5/J. C. Bostick

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FM5/J. D. Yencharis

FM7/M. D. Cassetti

R. O. Nobles

FM8/B. J. Cockrell

R. T. Savelly

FM9/H. C. Sullivan

E. J. Kenyon (2)

FS5/S. H. Hinson

J. R. Roundtree

R. B. Williams

FS6/J. E. Williams, Jr.

J. R. Garman

C. D. Sykes

J. R. Gilbert

J. A. Martin, Jr. (5)

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	FLAGWRD1+	0 0075	00000	0	
	FLAGWRD3+	0 0077	40000	0	
	FLGWRD10+	0 0106	00000	0	
*	C31FLWRD+	0 0373	00000	0	
*	N26/PRT +	0 1016	00000	14 0.0	MIN 0.0 CS
*	N26/2CAD+	0 1017	00000	0	0.0
		1020	00000		
3	PIPTIME +	0 1035	01604	28 1.4757600000 07 CS	1.4757600000 07 CS
		1036	27340		

PREDICTED VALUE OF AGC CLOCK AT L/O 40059036

1	PGNCALT+	0 1122	00000	29 2.6812007870 02 FT	8.1723000000 01 M
		1123	00051		

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ENCLOSURE 1

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	PADLNG	+ 0 1124 30652 1125 33016	0	2.793789091D 02 DEG	7.760525253D-01 REV
<hr/>					
				PAD 39B	
1	* FIXTIME	+ 0 1333 00000	28	0.0	SEC 0.0 CS
		1334 00000			
*	CDJCHKWD	+ 0 1356 00005	14	5.000000000D 00 CS	5.000000000D 00 CS
2	* PBIASK	+ 0 1452 01054	-6	1.017060367D-02 FT/SEC2	5.299145297D-04 PIPS/CS
2	* PIPASCFX	+ 0 1453 75674	-9	-1.300000000D 02 PPM	-1.300000000D-04 PIPS/PIP
2	* PBIASY	+ 0 1454 01361	-6	1.377952756D-02 FT/SEC2	7.179487180D-04 PIPS/CS
2	* PIPASCFY	+ 0 1455 66252	-9	-5.900000000D 02 PPM	-5.900000000D-04 PIPS/PIP
2	* PBTASZ	+ 0 1456 00634	-6	7.545931759D-03 FT/SEC2	3.931623932D-04 PIPS/CS
2	* PIPASCFZ	+ 0 1457 77010	-9	-6.000000000D 01 PPM	-6.000000000D-05 PIPS/PIP

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
2 *	NBDX	+ 0 1460 77731	-5	-3.0000000000-01 MERU	-7.301713884D-05 G PUL/CS
2 *	NBDY	+ 0 1461 76401	-5	-6.0000000000 00 MERU	-1.460342777D-03 G PUL/CS
2 *	NBDZ	+ 0 1462 77001	-5	-4.0000000000 00 MERU	-9.735618512D-04 G PUL/CS
2 *	ADIAx	+ 0 1463 00230	-3	8.0000000000 00 MERU/G	1.161525460D-03 GPUL/PTP
2 *	ADIAy	+ 0 1464 77547	-3	-8.0000000000 00 MERU/G	-1.161525460D-03 GPUL/PIP
2 *	ADIAz	+ 0 1465 77524	-3	-9.0000000000 00 MERU/G	-1.306716143D-03 GPUL/PIP
2 *	ADSRAx	+ 0 1466 77640	-3	-5.0000000000 00 MERU/G	-7.259534125D-04 GPUL/PTP
2 *	ADSRAy	+ 0 1467 00321	-3	1.1000000000 01 MERU/G	1.597097508D-03 GPUL/PIP
2 *	ADSRAz	+ 0 1470 77706	-3	-3.0000000000 00 MERU/G	-4.355720475D-04 GPUL/PIP
2 *	TEPHEM	+ 0 1700 00012	42	7.6080000000 03 HRS 1701 06377 1702 37000	2.738880000D 09 CS

TEPHEM OF MIDNITE 5/13/73

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
3	REFSMMAT+	0 1717 12704 1720 06263	1	6.802000000D-01 UNITLESS	6.802000000D-01 UNITLESS
REV 2 OF E-LOAD TAPE					
1	* EMDOT	+ 0 1741 01150	3	6.627000000D-01 LBS/SEC	3.005956636D-01 KG/CS
	* RVAR	+ 0 1742 00000 1743 00000		PERC FRR 0.0	PERC FRR
	* RVARMIN	+ 0 1744 77777 1745 77777 1746 42757	40	-4.000000000D 04 FT2	-3.716121600D 03 M2
1	* EIMPLSEC+	0 1747 01631	14	2.070000000D 04 LBF SEC	9.207818743D 02 KG M/CS
1	* EFIMP01	+ 0 1750 02167	14	2.569230000D 04 LBF	1.142850442D 03 KGM/CS/S
1	* FFIMP16	+ 0 1751 01615	14	2.043200000D 04 LBF	9.088606404D 02 KGM/CS/S

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS	
	* LADPAD	+ 0	1752	10000	0	2.500000000D-01 UNITLESS	2.500000000D-01 UNITLESS
	* LODPAD	+ 0	1753	07146	0	2.250000000D-01 UNITLESS	2.250000000D-01 UNITLESS
	* DVTHRESH	+ 0	1754	00620	-2	2.000000000D 00 FT/SEC	6.096000000D-03 M/CS
	* ALTVAR	+ 0	1755	37723	-16	1.521680000D-05 RADIANS2	1.521680000D-05 RADIANS2
1	* WRENDPOS	+ 0	2000	00137	19	1.000000000D 04 FT	3.048000000D 03 M
1	* WRENDVEL	+ 0	2001	00763	0	1.000000000D 01 FT/SEC	3.048000000D-02 M/CS
	* RMAX	+ 0	2002	00023	19	2.000000000D 03 FT	6.096000000D 02 M
	* VMAX	+ 0	2003	00001	7	2.000000000D 00 FT/SEC	6.096000000D-03 M/CS
	* EMSALT	+ 0	2004	00002	29	2.900000000D 05 FT	8.839200000D 04 M
				2005	26244		
	* LOSN	+ 0	2006	10621	0	9.883177800D 01 DEG	2.745327167D-01 REV
				2007	36153		
	* CMOD	+ 0	2010	77521	-1	-1.915980354D 00 DEG	-5.322167650D-03 REV
				2011	63232		

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* CARG	+ 0	2012	17550	0	1.766784958D 02 DEG	4.907735996D-01 REV
		2013	32553			
1 * LMATRIX	+ 0	2014	37777	0	9.999833480D -01 UNITLESS	9.999833480D -01 UNITLESS
		2015	27212			
1 * LMATRIX	+ 2	2016	77651	0	-5.292650310D -03 UNITLESS	-5.292650310D -03 UNITLESS
		2017	51100			
1 * LMATRIX	+ 4	2020	77732	0	2.300743010D -03 UNITLESS	2.300743010D -03 UNITLESS
		2021	51576			
1 * LMATRIX	+ 6	2022	00126	0	5.292631690D -03 UNITLESS	5.292631690D -03 UNITLESS
		2023	26672			
1 * LMATRIX	+ 8	2024	37777	0	9.999859930D -01 UNITLESS	9.999859930D -01 UNITLESS
		2025	30520			
1 * LMATRIX	+10	2026	77777	0	-1.375004650D -05 UNITLESS	-1.375004650D -05 UNITLESS
		2027	70624			

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	LMATRIX	+12 2030 00045 2031 26214	0	2.300783990D-03 UNITLESS	2.300783990D-03 UNITLESS
1 *	LMATRIX	+14 2032 00000 2033 00646	0	1.572072510D-06 UNITLESS	1.572072510D-06 UNITLESS
1 *	LMATRIX	+16 2034 37777 2035 36472	0	9.999973550D-01 UNITLESS	9.999973550D-01 UNITLESS
1 *	AZ0	+ 0 2036 30640 2037 24464	0	2.791547710D-02 DEG	7.754299194D-01 REV
*	TCS	+ 0 2040 00015 2041 21460	28	2.220000000D 03 SEC	2.220000000D 05 CS
*	EPS1	+ 0 2042 00000 2043 03510	0	2.500000000D-03 DEG	6.944444445D-06 REV
*	DHNCC	+ 0 2044 00001 2045 04130	29	1.215223100D 05 FT	3.704000009D 04 M

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* EPS2	+ 0	2046 00000	29	1.000000000D 03 FT	3.048000000D 02 M
		2047 00230			
* DELHI	+ 0	2050 00000	29	6.076115485D 04 FT	1.852000000D 04 M
		2051 22054			
* NH1	+ 0	2052 00400	5	5.000000000D-01 REV	5.000000000D-01 REV
* WRDTIME	+ 0	2240 00017	28	2.400000000D 03 SEC	2.400000000D 05 CS
* MINBLKTM	+ 0	2241 00002	28	3.288000000D 02 SEC	3.288000000D 04 CS
* TBEFCOMP	+ 0	2242 00005	28	8.220000000D 02 SEC	8.220000000D 04 CS
* BRNBLKTM	+ 0	2243 00005	28	8.220000000D 02 SEC	8.220000000D 04 CS
* MAXWTIME	+ 0	2244 00026	28	3.616800000D 03 SEC	3.616800000D 05 CS
* FINCMPTM	+ 0	2245 00003	28	4.932000000D 02 SEC	4.932000000D 04 CS
1 * INTVAR	+ 0	2246 03410	15	3.600000000D 03 M2	3.600000000D 03 M2
1 * NBDA(YZ)	+ 0	2255 00000	1	0.0	UNITLESS
		2256 00000			0.0
					UNITLESS

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	NBOA(YZ)+2	2257 15066 2260 17626	1	8.191520423D-01 UNITLESS	8.191520423D-01 UNITLESS
1 *	NBOA(YZ)+4	2261 66645 2262 50301	1	-5.735764354D-01 UNITLESS	-5.735764354D-01 UNITLESS
1 *	NBOA(YZ)+6	2263 00000 2264 00000	1	0.0	UNITLESS 0.0
1 *	NBOA(YZ)+8	2265 66645 2266 50301	1	-5.735764354D-01 UNITLESS	-5.735764354D-01 UNITLESS
1 *	NBOA(YZ)+10	2267 62711 2270 60151	1	-8.191520423D-01 UNITLESS	-8.191520423D-01 UNITLESS
*	RTRIDOT+0	2334 05017 2335 17677	31	2.401574803D-04 FT/SEC3	7.320000000D-11 M/CS3
2 *	1/2ALPHA+0	2373 15742 2374 24357	19	6.345457400D 00 SEC2/DEG	2.284364664D 05 DS2/REV

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	AZIMUTH + 0	2400 67777	0	-9.0012111110 01 DEG	-2.500336420D-01 REV
		2401 56270			
PAD 39B					
1	TAZEL1 + 0	2432 55011	-1	-1.067757496D 02 DEG	-2.965993045D-01 REV
1	TAZEL1 + 1	2433 77277	-2	-1.757722222D 00 DEG	-4.882561728D-03 REV
1	TAZEL1 + 2	2434 64522	-1	-6.378230550D 01 DEG	-1.771730708D-01 REV
1	TAZEL1 + 3	2435 77315	-2	-1.678888922D 00 DEG	-4.663580339D-03 REV
2	LAUNCHAZ + 0	2633 04134	0	4.703500000D 01 DEG	1.306527778D-01 REV
		2634 23536			
2	* ETDECAY + 0	3000 00101	14	6.480000000D-01 SEC	6.480000000D-01 CS

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	EKPRIME + 0	3001 00123	-5	1.583100000D-04 R/CS/RAD	1.583100000D-04 R/CS/RAD
*	EKPRIME + 1	3002 00175	-5	2.384190000D-04 R/CS/RAD	2.384190000D-04 R/CS/RAD
*	EKTLX/I + 0	3003 17433	18	1.274000000D 05 P/AR/SC2	1.274000000D 05 P/AR/SC2
*	EKTLX/I + 1	3004 04500	16	9.472000000D 03 P/AR/SC2	9.472000000D 03 P/AR/SC2
*	EKTLX/I + 2	3005 00334	16	8.800000000D 02 P/AR/SC2	8.800000000D 02 P/AR/SC2
*	EREPFRAC+ 0	3006 01000	2	1.250000000D-01 UNITLESS	1.250000000D-01 UNITLESS
*	EREPFRAC+ 1	3007 00232	2	3.750000000D-02 UNITLESS	3.750000000D-02 UNITLESS
3**	PACTOFF + 0	3010 00056	14	1.088000000D 00 DEG	4.585879873D 01 CDU PULS
3**	YACTOFF + 0	3011 00023	14	4.410000000D-01 DEG	1.858798735D 01 CDU PULS
*	HBN10 + 0	3012 37777	0	9.999389648D-01 UNITLESS	9.999389648D-01 UNITLESS
*	HBN11/2 + 0	3013 00000	1	0.0 UNITLESS	0.0 UNITLESS
*	HBN12 + 0	3014 00000	0	0.0 UNITLESS	0.0 UNITLESS
*	HBD11/2 + 0	3015 54360	1	-1.220581055D 00 UNITLESS	-1.220581055D 00 UNITLESS

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	HBD12	+ 0	3016	21075	0 5.349731450D-01 UNITLESS	5.349731450D-01 UNITLESS
*	HBN20	+ 0	3017	37777	0 9.999389648D-01 UNITLESS	9.999389648D-01 UNITLESS
*	HBN21/2	+ 0	3020	60465	1 -9.621582030D-01 UNITLESS	-9.621582030D-01 UNITLESS
*	HBN22	+ 0	3021	00000	0 0.0 UNITLESS	0.0 UNITLESS
*	HBD21/2	+ 0	3022	54360	1 -1.220581055D 00 UNITLESS	-1.220581055D 00 UNITLESS
*	HBD22	+ 0	3023	21075	0 5.349731450D-01 UNITLESS	5.349731450D-01 UNITLESS
*	HBN30	+ 0	3024	37777	0 9.999389648D-01 UNITLESS	9.999389648D-01 UNITLESS
*	HBN31/2	+ 0	3025	57142	1 -1.050415039D 00 UNITLESS	-1.050415039D 00 UNITLESS
*	HBN32	+ 0	3026	33105	0 8.480224610D-01 UNITLESS	8.480224610D-01 UNITLESS
*	HBD31/2	+ 0	3027	50741	1 -1.441162109D 00 UNITLESS	-1.441162109D 00 UNITLESS
*	HBD32	+ 0	3030	31162	0 7.882080080D-01 UNITLESS	7.882080080D-01 UNITLESS
1 *	SLOPE2	+ 0	3031	12173	-2 8.000000000D-01 (D/S)/D	8.000000000D-02 (R/DS)/R
1 *	SLOPE2	+ 1	3032	07534	-2 6.000000000D-01 (D/S)/D	6.000000000D-02 (P/DS)/R

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	WLH/SLOP+	0 3033	00114	-1	8.330000000D-01 DEG	2.313888889D-03 REV
2 *	WLH/SLOP+	1 3034	00057	-1	5.160000000D-01 DEG	1.433333333D-03 REV
2 *	WL-H/SLP+	0 3035	00056	-1	5.000000000D-01 DEG	1.388888889D-03 REV
*	WL-H/SLP+	1 3036	00017	-1	1.666600000D-01 DEG	4.629444445D-04 REV
1 *	ECP	+ 0 3037	05202	0	1.641851530D-01 UNITLESS	1.641851530D-01 UNITLESS
1 *	ECYW	+ 0 3040	72640	0	-1.620297210D-01 UNITLESS	-1.620297210D-01 UNITLESS
1 *	ALPHAP	+ 0 3041	66734	0	-2.834078070D-01 UNITLESS	-2.834078070D-01 UNITLESS
1 *	ALPHAYW	+ 0 3042	24562	0	6.475829330D-01 UNITLESS	6.475829330D-01 UNITLESS
1 *	KMJOCKD	+ 0 3043	00024	-13	5.406933200D-02 DEG/SEC2	1.501925889D-07 RV/DS*CS
1 *	KMJ1OCKD+	0 3044	00024	-13	5.317410800D-02 DEG/SEC2	1.477058556D-07 RV/DS*CS
1 *	KMJ2OCKD+	0 3045	00025	-13	5.578385600D-02 DEG/SEC2	1.549551556D-07 RV/DS*CS
1 *	J/MOCKD	+ 0 3046	01475	27	1.886467000D 01 SEC2/DEG	6.791281200D 06 DS CS1/P
1 *	J/M1OCKD+	0 3047	12016	27	1.168331500D 02 SEC2/DEG	4.205993400D 07 DS CS1/P

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	J/M2DCKD+	0 3050	11537	27	1.1284880000 02 SEC2/DEG	4.062556800D 07 DS CS1/R
*	CLOCKDELT+	0 3055	00247	14	1.6700000000 00 SEC	1.670000000D 02 CS
**	DAPPATTR3+	0 3070	11111	0		
**	CH5FAIL +	0 3071	00146	0		
**	CH6FAIL +	0 3072	00030	0		
1**	DKRATE +	0 3073	00722	-9	2.000000000D-01 DEG/SEC	5.555555556D-05 REV/DS
1**	DKD3 +	0 3074	00056	-1	5.000000000D-01 DEG	1.388838889D-03 REV
**	WHICHDAP+	0 3075	00000	0		0.0
**	WHICHX2 +	0 3076	00000	0		0.0
**	DAPPATTR1+	0 3114	31102	0		
**	DAPPATTR2+	0 3115	01111	0		
2**	LEMASS +	0 3121	00000	16	0.0 LBS	0.0 KG
2**	CSMASS +	0 3122	06574	16	3.0442500000 04 LBS	1.380848572D 04 KG

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	POLYNUM + 0	3312 00005	14	5.000000000D 00 UNITLESS	5.000000000D 00 UNITLESS
3	POLYNUM + 1	3313 00000	5	5.463972000D-02 DEG	1.517770000D-04 REV
		<u>3314 02371</u>			
3	POLYNUM + 3	3315 00063	-9	2.216763000D-01 DEG/SEC	6.157675000D-06 REV/CS
		<u>3316 24740</u>			
3	POLYNUM + 5	3317 00367	-23	6.486717400D-03 DEG/SEC2	1.801865945D-09 REV/CS2
		<u>3320 24541</u>			
3	POLYNUM + 7	3321 00070	-37	8.970754800D-06 DEG/SEC3	2.491876334D-14 REV/CS3
		<u>3322 03454</u>			
3	POLYNUM + 9	3323 76052	-51	-9.578714200D-07 DEG/SEC4	-2.660753945D-17 REV/CS4
		<u>3324 53270</u>			
3	POLYNUM +11	3325 02124	-65	6.604103010D-09 DEG/SEC5	1.834473058D-21 REV/CS5
		<u>3326 33675</u>			

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
3	POLYNUM	+13	3327 77241	-79	-1.274340800D-11 DEG/SEC6	-3.539835556D-26 REV/CS6
			3330 55637			
	SATRLRT	+ 0	3331 00000	0	1.000000000 00 DEG/SEC	2.777777778D-05 REV/CS
			3332 16441			
4	RPSTART	+ 0	3333 02006	14	1.030000000D 01 SEC	1.030000000D 03 CS
4	POLYSTOP	+ 0	3334 50324	14	-1.207500000D 02 SEC	-1.207500000D 04 CS
	SATRATE	+ 0	3341 00000	12	0.0	OUTPTPUL 0.0
	SATRATE	+ 1	3342 00344	12	5.700000000D 01	OUTPTPUL 5.700000000D 01 OUTPTPUL
	SATRATE	+ 2	3343 77433	12	-5.700000000D 01	OUTPTPUL -5.700000000D 01 OUTPTPUL
	SATRATE	+ 3	3344 00000	12	0.0	OUTPTPUL 0.0
	SATSCALE	+ 0	3351 10000	2	1.000000000D 00 UNITLESS	1.000000000D 00 UNITLESS
2 *	ALFAPAD	+ 0	3377 74266	-1	-2.049000000D 01 DEG	-5.691666667D-02 REV
	LAT(SPL)	+ 0	3400 04277	0	4.920000000D 01 DEG	1.366666667D-01 REV
			3401 04543			

FINAL E-LOAD SL-2

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	LNG(SPL)	+ 0 3402 77263 3403 70464	0	-7.300000000D 00 DEG	-2.02777778D-02 REV
	* SBDFLT	+ 0 3424 00121	14	8.100000000D -01 SEC	8.10000000D -01 CS
1	* ELEV	+ 0 3640 02314 3641 31463	0	2.700000000D -01 DEG	7.50000001D-02 REV
4	* TTPI	+ 0 3642 00226 3643 00416	28	2.457870000D 04 SEC	2.457870000D 06 CS

FINAL FMU LOADS

A ID	B V71	C V71	D V71	E ID	F V71	G V71	H V71	I ID	J V71	K V72	L V72	M ID	V72	
01	00021	00024	00016	00017	01	00016	00017	00023	00020	01	00011	00012	00017	00015
02	01452	02014	02255	01741	02	02000	02036	03012	03033	02	02240	03000	00373	01700
03	01054	37777	00000	01150	03	00137	30640	37777	00114	03	00017	00101	00000	00012
04	75674	27212	00000	00000	04	00763	24464	00000	00057	04	00002	00123	01016	01701
05	01361	77651	15066	00000	05	00023	00015	00000	00056	05	00005	00175	00000	06377
06	66252	51100	17626	77777	06	00001	21460	54360	00017	06	00005	17433	01017	01702
07	00634	77732	66645	77777	07	00002	00000	21075	05202	07	00026	04500	00000	37000
10	77010	51576	50301	42757	10	26244	03510	37777	72640	10	00003	00334	01020	02373
11	77731	00126	00000	01631	11	10621	00001	60465	66734	11	03410	01000	00000	15742
12	76401	26672	00000	02167	12	36153	04130	00000	24562	12		00232	01356	02374
13	77001	37777	66645	01615	13	17521	00000	54360	00024	13		00005	24357	13
14	00230	30520	50301	10000	14	63232	00230	21075	00024	14		01477	03377	14
15	77547	77777	62711	07146	15	17550	00000	37777	00025	15		00000	74266	15
16	77524	70624	60151	00620	16	32553	22054	57142	01475	16		03055		16
17	77640	00045		37723	17		00400	33106	12016	17		00247		17
20	00321	26214			20			50741	11537	20				20
21	77706	00000			21			31162		21				21
22		00646			22			12173		22				22
23		37777			23			07534		23				23
24		36472			24					24		ENCLOSURE 2		24

Nominal OWS vector at CMS insertion plus 34 seconds.

X = -10596451.7 ft.
Y = 10652976.5 ft.
Z = 16544190.7 ft.
 \dot{X} = -20866.7441 ft/sec
 \dot{Y} = -13005.7275 ft/sec
 \dot{Z} = -4981.0197 ft/sec
GET = 00:10:24.0

The V71 state vector load for this vector is:

V71
00020 *00021 ref FS63-73-76*
01501
77776
77635
55714
00143
02732
00231
34367
60062
76701
66055
74455
74150
65727
00003
31700