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



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REPLY TO  
ATTN OF: FS52-75-5

SH/c+I 6

MEMORANDUM

TO: WC/Integration Division  
Attn: WC6/Michael A. Collins

FROM: FS/Chief, Ground Data Systems Division

SUBJECT: \*Aoplo Soyuz Test Project (ASTP) Command Module Computer (CMC)  
Preliminary Erasable Load

Enclosure 1 to this memorandum consists of the current values for the parameters in the Prelaunch Erasable Load for the ASTP CMC. This erasable load is based on the SKYLARK 48 CMC program, and is for a July 15, 1975, launch date.

A number in the REV column next to a parameter mnemonic denotes the number of times that that particular parameter value has been changed.

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 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.

Questions or comments regarding ASTP CMC erasable loads should be directed to Mr. J. A. Martin at extension 3231.

James C. Stokes, Jr.

2 Enclosures

cc:  
See list attached

FS52/JAMartin:slb:2/12/75:3231

INDEXING DATA

DATE	OPR	#	T	PGM	SIGNATOR	LOC	SUBJECT
02/01/75	JSC	FS52	M	AST	S	1229	ASTP E-Load data cont.

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PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	FLAGWRD1+	0	0075	CCCC	0	
	FLAGWRD3+	0	0077	4CCCC	0	
	FLGWRD10+	0	0106	CCCC	0	
*	C31FLWRD+	0	0373	C0000	0	
*	N26/PRI +	0	1016	C0000	14 0.0	MIN 0.0 CS
*	N26/2CAD+	0	1017	C0000	0	0.0
			1020	C0000		
	PIPTIME +	0	1035	C0663	28 7.14000000D 06 CS	7.14000000D 06 CS
			1036	31240		
PREDICTED VALUE CF AGC CLCCK AT L/O AT U.950.00 G						
	PGNCSALT+	0	1122	C0000	29 2.681200787D 02 FT	8.172300000D 01 M
			1123	0CC51		

PAGE 1

ENCLOSURE 1

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	PADLNG + 0	1124	30652	C	2.793789091D 02 DEG	7.760525253D-01 REV
		1125	33016			
					PAD 398	
*	FIXTIME + 0	1333	00000	28	0.0	0.0 CS
		1334	00000			
*	CEUCHKWD + 0	1356	00005	14	5.000000000D 00 CS	5.000000000D 00 CS
*	PBIASX + 0	1452	00110	-6	1.312335960D-03 FT/SEC2	6.837606848D-05 PIPS/CS
*	PIPASCFX + 0	1453	74042	-9	-2.400000000D 02 PPM	-2.400000000D-04 PIPS/PIP
*	PBIASY + 0	1454	76572	-6	-1.181102300D-02 FT/SEC2	-6.153845829D-04 PIPS/CS
*	PIPASCFY + 0	1455	60606	-9	-9.300000000D 02 PPM	-9.300000000D-04 PIPS/PIP
*	PBIASZ + 0	1456	77143	-6	-7.545931760D-03 FT/SEC2	-3.931623932D-04 PIPS/CS
*	PIPASCFZ + 0	1457	66645	-9	-5.600000000D 02 PPM	-5.600000000D-04 PIPS/PIP

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	NBDX	+ 0	1460 00246	-5	1.30C000000D 00 MERU	3.164076016D-04 G PUL/CS
*	NBDY	+ 0	1461 77762	-5	-1.000000000D-01 MERU	-2.433904628D-05 G PUL/CS
*	NBDZ	+ 0	1462 00531	-5	2.70C000000D 00 MERU	6.571542496D-04 G PUL/CS
*	ACIAX	+ C	1463 00504	-3	1.70C000000D 01 MERU/G	2.468241603D-03 GPUL/PIP
*	ADIAV	+ 0	1464 77501	-3	-1.00C000000D 01 MERU/G	-1.451906825D-03 GPUL/PIP
*	ADIAZ	+ 0	1465 77547	-3	-8.00C000000D 00 MERU/G	-1.161525460D-03 GPUL/PIP
*	ADSRAX	+ 0	1466 00205	-3	7.00C000000D 00 MERU/G	1.016334778D-03 GPUL/PIP
*	ADSRAY	+ 0	1467 77640	-3	-5.000000000D 00 MERU/G	-7.259534125D-04 GPUL/PIP
*	ADSRAZ	+ 0	1470 77731	-3	-2.000000000D 00 MERU/G	-2.903813650D-04 GPUL/PIP
*	TEPHM	+ 0	1700 C0000 1701 15307 1702 170C0	42	3.12C000000D 02 HRS	1.123200000D 08 CS

TEPHM OF MIDNITE 7/13/75

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	REFSMAT+	0	1717 12702 1720 21727	1	6.800000000D-01 UNITLESS	6.800000000D-01 UNITLESS

REV 0 OF E-LOAD TAPE

*	EMDOT	+ 0	1741 01133	3	6.489000000D 01 LBS/SEC	2.943360889D-01 KG/CS
*	RVAR	+ 0	1742 C0000 1743 C0000	-16	0.0 PERC ERR	0.0 PERC ERR
*	RVARMIN	+ 0	1744 77777 1745 77777 1746 42757	40	-4.000000000D 04 FT2	-3.716121600D 03 M2
*	EIMP1SEC+	0	1747 C1517	14	1.903600000D 04 LBF SEC	8.467634666D 02 KG M/CS
*	EFIMP01	+ 0	1750 02055	14	2.402800000D 04 LBF	1.068818690D 03 KGM/CS/S
*	EFIMP16	+ 0	1751 C1610	14	2.032400000D 04 LBF	9.040565610D 02 KGM/CS/S

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	LADPAD	+ 0 1752	1C000	0	2.50C0000000D-01 UNITLESS	2.50C0000000D-01 UNITLESS
*	LCDPAD	+ 0 1753	07146	0	2.2500000000D-01 UNITLESS	2.2500000000D-01 UNITLESS
*	DVT+RESH+	0 1754	00E20	-2	2.000000000D 00 FT/SEC	6.096000000D-03 M/CS
*	ALTVAR	+ 0 1755	37723	-16	1.521680000D-05 RADIANS2	1.521680000D-05 RADIANS2
*	WRENDPOS+	0 2000	00137	19	1.000000000D 04 FT	3.048000000D 03 M
*	WRENDVEL+	0 2001	CC763	0	1.000000000D 01 FT/SEC	3.048000000D-02 M/CS
*	RMAX	+ 0 2002	00023	19	2.00C0000000D 03 FT	6.096000000D 02 M
*	VMAX	+ 0 2003	00001	7	2.00C0000000D 00 FT/SEC	6.096000000D-03 M/CS
*	EMSALT	+ 0 2004	00002 2005 26244	29	2.90C0000000D 05 FT	8.839200000D 04 M
*	LOSD	+ 0 2006	10557 2007 16253	0	9.807380718D 01 DEG	2.724272422D-01 REV
*	CMOD	+ 0 2010	77521 2011 63561	-1	-1.915836185D 00 DEG	-5.321767181D-03 REV

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* CARG	+ 0	2012	17505	C	1.759108262D 02 DEG	4.886411838D-01 REV
		2013	34553			
* LMATRIX	+ 0	2014	37777	C	9.999801628D-01 UNITLESS	9.999801628D-01 UNITLESS
		2015	25463			
* LMATRIX	+ 2	2016	77641	0	-5.776599050D-03 UNITLESS	-5.776599050D-03 UNITLESS
		2017	53313			
* LMATRIX	+ 4	2020	77726	0	-2.511098981D-03 UNITLESS	-2.511098981D-03 UNITLESS
		2021	73353			
* LMATRIX	+ 6	2022	00136	C	5.776658654D-03 UNITLESS	5.776658654D-03 UNITLESS
		2023	24504			
* LMATRIX	+ 8	2024	37777	C	9.999833144D-01 UNITLESS	9.999833144D-01 UNITLESS
		2025	27201			
* LMATRIX	+10	2026	00000	0	1.761317253D-05 UNITLESS	1.761317253D-05 UNITLESS
		2027	11170			



PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	LMATRIX +12	2030 0C051 2031 04355	0	2.510953695D-03 UNITLESS	2.510953695D-03 UNITLESS
*	LMATRIX +14	2032 77777 2033 57122	0	-3.211572766D-05 UNITLESS	-3.211572766D-05 UNITLESS
*	LMATRIX +16	2034 37777 2035 36262	0	9.999968484D-01 UNITLESS	9.999968484D-01 UNITLESS
*	AZO + 0	2036 3C577 2037 22255	0	2.784281190D 02 DEG	7.734114416D-01 REV
*	TCS + 0	2040 0C015 2041 21460	28	2.220000000D 03 SEC	2.220000000D 05 CS
*	EPS1 + 0	2042 0C000 2043 03510	0	2.500000000D-03 DEG	6.944444445D-06 REV
*	DHNCC + 0	2044 0C001 2045 04130	29	1.215223100D 05 FT	3.704000009D 04 M

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	CCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* EPS2	+ 0	2046	CC0C0	29	1.000000000D 03 FT	3.048000000D 02 M
		2047	C0230			
* DELHI	+ 0	2050	C0000	29	6.076115485D 04 FT	1.852000000D 04 M
		2051	22054			
* NH1	+ 0	2052	00400	5	5.000000000D-01 REV	5.000000000D-01 REV
* WRDIME	+ 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
* TBEFCCMP+	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
* MAXWIME+	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
* INTVAR	+ 0	2246	03410	15	3.600000000D 03 M2	3.600000000D 03 M2
* NBOA(YZ)+	0	2255	00000	1	0.0	0.0
		2256	CC000		UNITLESS	UNITLESS

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS	
*	NBOA(YZ)+ 2	2257	00000 2260 CCCC	1	0.0	UNITLESS 0.0	UNITLESS
*	NBOA(YZ)+ 4	2261	00000 2262 C0000	1	0.0	UNITLESS 0.0	UNITLESS
*	NEOA(YZ)+ 6	2263	C0000 2264 C0000	1	0.0	UNITLESS 0.0	UNITLESS
*	NBOA(YZ)+ 8	2265	C0000 2266 C0000	1	0.0	UNITLESS 0.0	UNITLESS
*	NBOA(YZ)+10	2267	C0000 2270 C0000	1	0.0	UNITLESS 0.0	UNITLESS
*	RTR IDOT + 0	2334	05017 2335 17677	-31	2.4015748030-04	FT/SEC3	7.3200000000-11 M/CS3
*	1/2ALPHA+ 0	2373	00741 2374 12000	19	4.2783333330-01	SEC2/DEG	1.5402000000 04 DS2/REV

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	AZIMUTH + 0	2400	67777	0	-9.000560000J 01 DEG	-2.500155556C-01 REV
		2401	67657			
	LATITUDE+ 0	2402	02426	0	2.862687861D 01 DEG	7.951910726C-02 REV
		2403	32724			
					PAD 39B	
	TAZEL1 + 0	2432	55011	-1	-1.067757496D 02 DEG	-2.965993045C-01 REV
	TAZEL1 + 1	2433	77277	-2	-1.757722222D 00 DEG	-4.882561728D-03 REV
	TAZEL1 + 2	2434	64522	-1	-6.378230550D 01 DEG	-1.771730708C-01 REV
	TAZEL1 + 3	2435	77315	-2	-1.678888922D 00 DEG	-4.663580335D-03 REV
	LAUNCHAZ+ 0	2633	04007	0	4.515900000D 01 DEG	1.254416667D-01 REV
		2634	07437			
*	ETDECAY + 0	3000	CC1CC	14	6.360000000D-01 SEC	6.360000000C 01 CS

PRELIMINARY ASTP CMC E-LOAD

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
**	PACTOFF +	0	3010 00036	14	7.008000000D-01 DEG	2.953846154D 01 CDU PULS
**	YACTOFF +	0	3011 77746	14	-6.045000000D-01 DEG	-2.547945205D 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

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	HBC12	+ 0	3016 21075	C	5.3497314500-01 UNITLESS	5.3497314500-01 UNITLESS
*	HBN20	+ 0	3017 37777	C	9.9993896480-01 UNITLESS	9.9993896480-01 UNITLESS
*	HBN21/2	+ 0	3020 60465	1	-9.6215820300-01 UNITLESS	-9.6215820300-01 UNITLESS
*	HBN22	+ 0	3021 00000	0	0.0 UNITLESS	0.0 UNITLESS
*	HBC21/2	+ 0	3022 54360	1	-1.2205810550 00 UNITLESS	-1.2205810550 00 UNITLESS
*	HBD22	+ 0	3023 21075	C	5.3497314500-01 UNITLESS	5.3497314500-01 UNITLESS
*	HBN30	+ 0	3024 37777	0	9.9993896480-01 UNITLESS	9.9993896480-01 UNITLESS
*	HBN31/2	+ 0	3025 57142	1	-1.0504150390 00 UNITLESS	-1.0504150390 00 UNITLESS
*	HBN32	+ 0	3026 33106	0	8.4802246100-01 UNITLESS	8.4802246100-01 UNITLESS
*	HBD3 1/2	+ 0	3027 50741	1	-1.4411621090 00 UNITLESS	-1.4411621090 00 UNITLESS
*	HBC32	+ 0	3030 31162	0	7.8820800800-01 UNITLESS	7.8820800800-01 UNITLESS
*	SLCPE2	+ 0	3031 12173	-2	8.0000000000-01 (C/S)/D	8.0000000000-02 (R/DS)/R
*	SLOPE2	+ 1	3032 07534	-2	6.0000000000-01 (D/S)/D	6.0000000000-02 (R/DS)/R

PRELIMINARY ASTP CMC E-LOAD

REV	MNEEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	WLH/SLOP+	0	3033 00114	-1	8.3300000000-01 DEG	2.3138888890-03 REV
*	WLH/SLOP+	1	3034 00057	-1	5.1600000000-01 DEG	1.4333333330-03 REV
*	WL-H/SLP+	0	3035 00056	-1	5.0000000000-01 DEG	1.3888888890-03 REV
*	WL-H/SLP+	1	3036 00017	-1	1.6666000000-01 DEG	4.6294444450-04 REV
*	ECP	+	0 3037 17403	0	4.8455800000-01 UNITLESS	4.8455800000-01 UNITLESS
*	ECYW	+	0 3040 60424	0	-4.8309300000-01 UNITLESS	-4.8309300000-01 UNITLESS
*	ALPHAP	+	0 3041 00000	0	0.0 UNITLESS	0.0 UNITLESS
*	ALPHAYW	+	0 3042 00000	0	0.0 UNITLESS	0.0 UNITLESS
*	KMJDCKD	+	0 3043 01352	-13	2.0003760000 00 DEG/SEC2	5.5566000000-06 RV/DS*CS
*	KMJ1DCKD	+	0 3044 00107	-13	1.9044000000-01 DEG/SEC2	5.2900000000-07 RV/DS*CS
*	KMJ2DCKD	+	0 3045 00107	-13	1.9044000000-01 DEG/SEC2	5.2900000000-07 RV/DS*CS
*	J/MDCKD	+	0 3046 00026	27	5.0062222220-01 SEC2/DEG	1.8022400000 05 DS CS1/R
*	J/M1DCKD	+	0 3047 00746	27	1.1059200000 01 SEC2/DEG	3.9813120000 06 DS CS1/R

PRELIMINARY ASTP CMC E-LOAD

REV	MNE/MCNIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	J/M2CCKD+	0 3050	00746	27	1.1059200000 01 SEC2/DEG	3.9813120000 06 DS CS1/R
*	CLOCKDEL+	0 3055	00247	14	1.6700000000 00 SEC	1.6700000000 02 CS
**	CAPDATR3+	0 3070	11111	C		
**	C+5FAIL +	0 3071	00146	0		
**	C+6FAIL +	0 3072	00000	0		
*	CKRATE +	0 3073	02215	-9	5.0000000000-01 DEG/SEC	1.3888888890-04 REV/DS
**	CKDB +	0 3074	00056	-1	5.0000000000-01 DEG	1.3888888890-03 REV
**	WHICH0AP+	0 3075	00000	0		0.0
**	WHICHX2 +	0 3076	00000	C		0.0
**	CAPDATR1+	0 3114	31102	C		
**	CAPCATR2+	0 3115	01111	C		
**	LEMASS +	0 3121	00000	16	0.0000000000-00 LBS	0.0000000000-00 KG
**	CSMASS +	0 3122	06132	16	2.7885000000 04 LBS	1.2648423240 04 KG



PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	POLYNUM + 0	3312	00005	14	5.0000000000 00 UNITLESS	5.0000000000 00 UNITLESS
	POLYNUM + 1	3313	00004	5	3.4105492000 00 DEG	9.4737477790-03 REV
		3314	33160			
	POLYNUM + 3	3315	77551	-9	-6.4596510000-01 DEG/SEC	-1.7943475000-05 REV/CS
		3316	57253			
	POLYNUM + 5	3317	02755	-23	3.9758802000-02 DEG/SEC2	1.1044111670-08 REV/CS2
		3320	34411			
	POLYNUM + 7	3321	67517	-37	-6.8310359000-04 DEG/SEC3	-1.8975099720-12 REV/CS3
		3322	45775			
	POLYNUM + 9	3323	16376	-51	7.2429454000-06 DEG/SEC4	2.0119292780-16 REV/CS4
		3324	26537			
	POLYNUM +11	3325	61536	-65	-4.3654159000-08 DEG/SEC5	-1.2126155280-20 REV/CS5
		3326	46026			

PRELIMINARY ASTP CMC E-LOAD

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	POLYNUM +13	3327	05671	-75	1.090950100D-10 DEG/SEC6	3.030416945D-25 REV/CS6
		3330	05576			
	SATRLRT + 0	3331	C00C0	0	1.00000000D 00 DEG/SEC	2.77777778D-05 REV/CS
		3332	16441			
	RPSTART + 0	3333	020C6	14	1.03000000D 01 SEC	1.03000000D 03 CS
	POLYSTOP+ 0	3334	50552	14	-1.19250000D 02 SEC	-1.19250000D 04 CS
	SATRATE + 0	3341	00000	12	0.0 CUTPTPUL	0.0 OUTPTPUL
	SATRATE + 1	3342	0C344	12	5.70000000D 01 CUTPTPUL	5.70000000D 01 OUTPTPUL
	SATRATE + 2	3343	77433	12	-5.70000000D 01 CUTPTPUL	-5.70000000D 01 OUTPTPUL
	SATRATE + 3	3344	0CCCC	12	0.0 CUTPTFUL	0.0 OUTPTPUL
	SATSCALE+ 0	3351	10000	2	1.00000000D 00 UNITLESS	1.00000000D 00 UNITLESS
	ALFAPAC + 0	3377	74523	-1	-1.87700000D 01 DEG	-5.213888889D-02 REV
	LAT(SPL)+ 0	3400	04354	0	5.02000000D 01 DEG	1.394444445D-01 REV
		3401	25031			

PRELIMINARY ASTP GMC E-LOAD

REV	MNEMCNIC	ADDR	CCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	LNG(SPL)	+ 0	3402 77106 3403 61263	0	-5.700000000D 00 DEG	-2.694444445C-02 REV
*	SBDELT	+ 0	3424 00121	14	8.100000000D-01 SEC	8.100000000D 01 CS
*	ELEV	+ 0	3640 02314 3641 31463	C	2.700000000D 01 DEG	7.500000010D-02 REV
*	TTPI	+ 0	3642 01671 3643 30404	28	1.562650000D 05 SEC	1.562650000D 07 CS

## PRELIMINARY ASTP CMC E-LOAD

A	B	C	D	E	F	G	H	I	J	K	L	M				
ID V71	V71	V71	V71	ID V71	V71	V71	V71	ID V71	V71	V72	V72	ID V72				
01	00021	00024	00016	00017	01	00016	00017	00023	00020	01	00011	00012	00017	00015	01	00023
02	01452	02014	02255	01741	02	02000	02036	03012	03033	02	02240	03000	00373	01700	02	01333
03	00110	37777	00000	01133	03	00137	30577	37777	00114	03	00017	00100	00000	00000	03	00000
04	74042	25463	00000	00000	04	00763	22255	00000	00057	04	00002	00123	01016	01701	04	01334
05	76572	77641	00000	00000	05	00023	00015	00000	00056	05	00005	00175	00000	15307	05	00000
06	60606	53313	00000	77777	06	00001	21460	54360	00017	06	00005	17433	01017	01702	06	02334
07	77143	77726	00000	77777	07	00002	00000	21075	17403	07	00026	04500	00000	17000	07	05017
10	66645	73353	00000	42757	10	26244	03510	37777	60424	10	00003	00334	01020	02373	10	02335
11	00246	00136	00000	01517	11	10557	00001	60465	00000	11	03410	01000	00000	00741	11	17677
12	77762	24504	00000	02055	12	16253	04130	00000	00000	12		00232	01356	02374	12	03424
13	00531	37777	00000	01610	13	77521	00000	54360	01352	13		00005	12000		13	00121
14	00504	27201	00000	10000	14	63561	00230	21075	00107	14		01477	03377		14	03640
15	77501	00000	00000	07146	15	17505	00000	37777	00107	15		00000	74523		15	02314
16	77547	11170	00000	00620	16	34553	22054	57142	00026	16		03055			16	03641
17	00205	00051		37723	17		00400	33106	00746	17		00247			17	31463
20	77640	04355			20			50741	00746	20					20	03642
21	77731	77777			21			31162		21					21	01671
22		57122			22			12173		22					22	03643
23		37777			23			07534		23					23	30404
24		36262			24					24					24	

DATE Feb. 1 1975

Letter NO. FS52-75-5

TWX NO. \_\_\_\_\_

Action Office \_\_\_\_\_

Action Log No. \_\_\_\_\_

ACTION DUE DATE \_\_\_\_\_

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- BY \_\_\_\_\_

(Downey, CA Wilson)

(SAMSO, D. Collins)