



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
MANNED SPACECRAFT CENTER
HOUSTON, TEXAS 77058

REPLY TO
ATTN OF: FS66-72-162

DEC 4 1972

MEMORANDUM

TO: PD/Systems Engineering Division
Attn: PD4/John R. Sevier

FROM: FS/Chief, Flight Support Division

SUBJECT: Final LM Guidance Computer (LGC) Prelaunch Erasable Load for Apollo 17

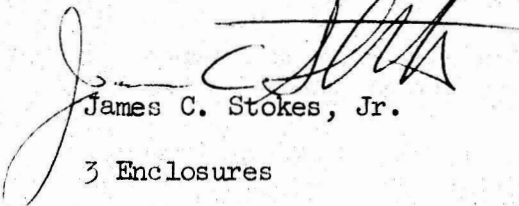
Enclosure 1 to this memorandum consists of the final values for the parameters in the Apollo 17 Prelaunch Erasable Load for the LGC.

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 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 3 is the LGC state vector for backup LOI ignition.

Questions or comments regarding the Apollo 17 LGC erasable loads should be directed to Mr. R. W. Carl, extension 2308.


James C. Stokes, Jr.

3 Enclosures

FS66/RWCarl:jvm:11/29/72:2308

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	FLAGWRD3+	0 0077	12000	0		
	FLAGWRD8+	0 0104	06000	0		
	FLGWRD10+	0 0106	00000	0		
**	CHANBKUP+	0 0374	00011	0		
1	MASS	+ 0 1243	10110	16	3.675930000D 04 LBS	1.667373801D 04 KG
	MASS	+ 1 1244	00000	2	0.0 LBS	0.0 KG
*	LRWH1	+ 0 1315	13146	0	3.500000000D-01 UNITLESS	3.500000000D-01 UNITLESS
1**	LEMMASS	+ 0 1326	10110	16	3.675930000D 04 LBS	1.667373801D 04 KG
1**	CSMASS	+ 0 1327	10342	16	3.811550000D 04 LBS	1.728889998D 04 KG
*	E3J22R2M+	0 1347	12160	58	9.204790479D 16 M5/CS2	9.204790479D 16 M5/CS2
*	E32C31RM+	0 1350	03363	80	1.312892560D 23 M6/CS2	1.312892560D 23 M6/CS2
*	ELBIAS	+ 0 1353	00020	-1	1.800000000D-01 DEG	5.000000000D-04 REV
*	TOOFEW	+ 0 1354	00003	14	3.000000000D 00 UNITLESS	3.000000000D 00 UNITLESS

Enclosure 1

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FINAL IGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	DCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* PBIASX	+ 0	1452 04146	-3	1.640000000D 00 CM/SEC2	1.640000000D-02 PIPS/CS
1	* PIPASCFX	+ 0	1453 57742	-9	-9.800000000D 02 PPM	-9.800000000D-04 PIPS/PIP
1	* PBIASY	+ 0	1454 04334	-3	1.730000000D 00 CM/SEC2	1.730000000D-02 PIPS/CS
1	* PIPASCFY	+ 0	1455 66645	-9	-5.600000000D 02 PPM	-5.600000000D-04 PIPS/PIP
1	* PBIASZ	+ 0	1456 04061	-3	1.600000000D 00 CM/SEC2	1.600000000D-02 PIPS/CS
1	* PIPASCFZ	+ 0	1457 70354	-9	-4.600000000D 02 PPM	-4.600000000D-04 PIPS/PIP
1	* NBDX	+ 0	1460 00015	-5	1.000000000D-01 MERU	2.433904628D-05 G PUL/CS
	* NBDY	+ 0	1461 00063	-5	4.000000000D-01 MERU	9.735618512D-05 G PUL/CS
1	* NBDZ	+ 0	1462 77563	-5	-1.100000000D 00 MERU	-2.677295091D-04 G PUL/CS
	* ADIAX	+ 0	1463 00470	-6	1.200000000D 01 MERU/G	2.978270410D-04 GPUL/PIP
1	* ADIAY	+ 0	1464 77627	-6	-4.000000000D 00 MERU/G	-9.927568032D-05 GPUL/PIP
1	* ADIAZ	+ 0	1465 00150	-6	4.000000000D 00 MERU/G	9.927568032D-05 GPUL/PIP
1	* ADSRAX	+ 0	1466 00150	-6	4.000000000D 00 MERU/G	9.927568032D-05 GPUL/PIP

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	ADSRAY	+ 0	1467 00234	-6	6.000000000D 00 MERU/G	1.489135205D-04 GPUL/PIP
*	ADSRAZ	+ 0	1470 77457	-6	-8.000000000D 00 MERU/G	-1.985513606D-04 GPUL/PIP
*	GCOMP SW	+ 0	1477 00000	14	0.0 UNITLESS	0.0 UNITLESS
	TETCSM	+ 0	1570 37777 1571 37777	28	2.684354550D 08 CS	2.684354550D 08 CS
	TETLEM	+ 0	1642 37777 1643 37777	28	2.684354550D 08 CS	2.684354550D 08 CS
*	X789	+ 0	1700 00000 1701 00000	3	0.0 RADIANS	0.0 RADIANS
*	X789	+ 2	1702 00000 1703 00000	3	0.0 RADIANS	0.0 RADIANS
*	X789	+ 4	1704 00000 1705 00000	3	0.0 RADIANS	0.0 RADIANS

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	DCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* TEPHEM	+ 0	1706	00020	42	1.260288333D 04 HR	4.537038000D 09 CS
		1707	34666			
		1710	32260			
* -AYD	+ 0	1711	00001	0	1.200586557D-04 RADIANS	1.200586557D-04 RADIANS
		1712	36744			
* AXD	+ 0	1713	00000	0	1.189857721D-05 RADIANS	1.189857721D-05 RADIANS
		1714	06172			
* REFSMMAT	+ 0	1731	61124	1	-9.271400500D-01 UNITLESS	-9.271400500D-01 UNITLESS
		1732	73630			
1 * REFSMMAT	+ 2	1733	74533	1	-2.075932900D-01 UNITLESS	-2.075932900D-01 UNITLESS
		1734	54523			
1 * REFSMMAT	+ 4	1735	04773	1	3.119557000D-01 UNITLESS	3.119557000D-01 UNITLESS
		1736	21241			

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	* REFSMMAT+ 6	1737	05701 1740 05675	1	3.673319600D-01 UNITLESS	3.673319600D-01 UNITLESS
	* REFSMMAT+ 8	1741	72446 1742 52252	1	-3.390719100D-01 UNITLESS	-3.390719100D-01 UNITLESS
1	* REFSMMAT+10	1743	15666 1744 36072	1	8.660816700D-01 UNITLESS	8.660816700D-01 UNITLESS
1	* REFSMMAT+12	1745	76641 1746 64630	1	-7.401733600D-02 UNITLESS	-7.401733600D-02 UNITLESS
1	* REFSMMAT+14	1747	16534 1750 27432	1	9.175703100D-01 UNITLESS	9.175703100D-01 UNITLESS
	* REFSMMAT+16	1751	06177 1752 37327	1	3.906227900D-01 UNITLESS	3.906227900D-01 UNITLESS
	* RANGEVAR+ 0	1766	01351 1767 24734	-12	1.11111111D-05 UNITLESS	1.11111111D-05 UNITLESS

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	RATEVAR + 0	1770	02354 1771 04761	-12	1.877777778D-05 UNITLESS	1.877777778D-05 UNITLESS
*	RVARMIN + 0	1772	00410	12	7.104180875D 02 FT2	6.600000000D 01 M2
*	VVARMIN + 0	1773	00165	-12	1.877764172D-01 FT2/SEC2	1.744500000D-06 M2/CS2
*	WRENDPOS+ 0	2000	05750	14	1.000000000D 04 FT	3.048000000D 03 M
*	WRENDVEL+ 0	2001	00763	0	1.000000000D 01 FT/SEC	3.048000000D-02 M/CS
*	WSHAFT + 0	2002	17270	-5	1.500000000D 01 MILLIRAD	1.500000000D-02 RADIANS
*	WTRUN + 0	2003	17270	-5	1.500000000D 01 MILLIRAD	1.500000000D-02 RADIANS
*	RMAX + 0	2004	00023	19	2.000000000D 03 FT	6.096000000D 02 M
*	VMAX + 0	2005	00001	7	2.000000000D 00 FT/SEC	6.096000000D-03 M/CS
*	WSURFPOS+ 0	2006	00000	14	0.0 FT	0.0 M
*	WSURFVEL+ 0	2007	00000	0	0.0 FT/SEC	0.0 M/CS
*	SHAFTVAR+ 0	2010	00103	-12	1.000000000D 00 MILIRAD2	1.000000000D-06 RADTANS2

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	TRUNVAR	+ 0	2011 00103	-12	1.000000000D 00 MILIRAD2	1.000000000D-06 RADIANS2
*	504LM	+ 0	2012 00004 2013 24336	0	2.831146121D-04 RADIANS	2.831146121D-04 RADIANS
*	504LM	+ 2	2014 00005 2015 32552	0	3.561154008D-04 RADIANS	3.561154008D-04 RADIANS
*	504LM	+ 4	2016 77776 2017 52362	0	-1.020915806D-04 RADIANS	-1.020915806D-04 RADIANS
*	RLS	+ 0	2020 00252 2021 31721	27	4.590788501D 06 FT	1.399272335D 06 M
*	RLS	+ 2	2022 00145 2023 23640	27	2.731181408D 06 FT	8.324640931D 05 M
*	RLS	+ 4	2024 00110 2025 37410	27	1.961588292D 06 FT	5.978921114D 05 M

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FINAL LGC E-LOAD

LUMINARY 210

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REV	MNEMONIC	ADDR	DCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	TLAND	+ 0	2026 04663 2027 20221	28	1.130272472D 02 HR	4.068980900D 07 CS
*	N26/PRI	+ 0	2371 00000	14	0.0 MIN	0.0 CS
*	N26/2CAD+	0	2372 00000 2373 00000	0		0.0
*	VELBIAS	+ 0	2400 00001 2401 36331	6	2.500000000D 00 FT/SEC	7.620000000D-03 M/CS
*	RBRFGX	+ 0	2402 77777 2403 42227	24	-3.118358300D 03 FT	-9.504757622D 02 M
*	RAPFGX	+ 0	2404 00000 2405 01405	24	1.585000000D 02 FT	4.831080000D 01 M
*	RBRFGZ	+ 0	2406 77774 2407 60122	24	-1.174144100D 04 FT	-3.578791217D 03 M

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* R	RAPFGZ	+ 0	2410 77777 2411 77572	24	-2.7355400000 01 FT	-8.3379259200 00 M
* V	VBRFGX	+ 0	2412 77766 2413 55311	10	-1.9646916000 02 FT/SEC	-5.9883799970-01 M/CS
* V	VAPFGX	+ 0	2414 77777 2415 72367	10	-3.5347600000 00 FT/SEC	-1.0773948480-02 M/CS
* V	VBRFGZ	+ 0	2416 77767 2417 73603	10	-1.6675997000 02 FT/SEC	-5.0828438860-01 M/CS
* V	VAPFGZ	+ 0	2420 00000 2421 00024	10	2.4950500000-02 FT/SEC	7.6049124000-05 M/CS
* A	ABRFGX	+ 0	2422 77772 2423 50265	-4	-7.1824814000-01 FT/SEC2	-2.1892203310-05 M/CS2
* A	AAPFGX	+ 0	2424 00000 2425 23567	-4	7.7178300000-02 FT/SEC2	2.3523945840-06 M/CS2

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
* ABRFGZ	+ J	2426 2427	77675 65140	-4	-8.302450300D 00 FT/SEC2	-2.530586851D-04 M/CS2
* AAPFGZ	+ J	2430 2431	77773 51173	-4	-5.896270000D-01 FT/SEC2	-1.797183096D-05 M/CS2
* VBRFG*	+ J	2432 2433	77755 66351	13	-3.001680000D 03 FT/SEC	-9.149120640D 00 M/CS
* VAPFG*	+ J	2434 2435	00000 00055	13	4.491090000D-01 FT/SEC	1.368884232D-03 M/CS
* ABRFG*	+ J	2436 2437	77161 77106	-4	-4.981470200D 01 FT/SEC2	-1.518352117D-03 M/CS2
* AAPFG*	+ J	2440 2441	77743 67344	-4	-3.537762000D 00 FT/SEC2	-1.078309858D-04 M/CS2
* JBRFG*	+ J	2442 2443	77541 63456	-21	-1.512365900D-02 FT/SEC3	-4.609691263D-09 M/CS3

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* JAPFG*	+ 0	2444 00704 2445 04643	-21	4.3173600000-02 FT/SEC3	1.3159313280-08 M/CS3
	* GAINBRAK+	0	2446 37777 2447 37777	0	9.9999999630-01 UNITLESS	9.9999999630-01 UNITLESS
	* GAINAPPR+	0	2450 00000 2451 00000	0	0.0 UNITLESS	0.0 UNITLESS
	* TCGFBRAK+	0	2452 00567	17	3.0000000000 01 SEC	3.0000000000 03 CS
	* TCGIBRAK+	0	2453 25762	17	9.0000000000 02 SEC	9.0000000000 04 CS
	* TCGFAPPR+	0	2454 00113	17	6.0000000000 00 SEC	6.0000000000 02 CS
	* TCGIAPPR+	0	2455 04704	17	2.0000000000 02 SEC	2.0000000000 04 CS
1	* VIGN	+ 0	2456 00416 2457 12072	10	5.5428976000 03 FT/SEC	1.6894751880 01 M/CS
1	* RIGNX	+ 0	2460 77721 2461 60557	24	-1.5614503000 05 FT	-4.7593005140 04 M

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	FIGNZ	+ 0	2462 77065 2463 41001	24	-1.541941800D 06 FT	-4.699838606D 05 M
*	KIGNX/B4+	0	2464 77251 2465 77371	4	-3.340000000D-01 UNITLESS	-3.340000000D-01 UNITLESS
*	KIGNY/B8+	0	2466 76366 2467 60601	-16	-2.207000000D-07 FT/FT2	-7.240813648D-07 M-1
*	KIGNV/B4+	0	2470 71727 2471 57777	18	-4.980000000D 02 SEC	-4.980000000D 04 CS
*	LOWCRIT	+ 0	2472 04114	14	5.985000000D 03 LBF	2.124374401D 03 DPSTROTP
*	HIGHCRIT+	0	2473 04454	14	6.615000000D 03 LBF	2.347992759D 03 DPSTROTP
*	TAUHZ	+ 0	2474 07640	11	5.000000000D 00 SEC	5.000000000D 02 CS
*	QHZ	+ 0	2475 14632	0	4.000000000D-01 UNITLESS	4.000000000D-01 UNITLESS
*	AHZLIM	+ 0	2476 00017	-4	1.938980000D 00 FT/SEC2	5.910011040D-05 M/CS2

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	2LATE466+	0 2477	00000 2500 00226	28	1.5000000000 00 SEC	1.500000000D 02 CS
*	DELQFIX	+ 0 2503	00000 2504 00750	24	1.0000000000 02 FT	3.048000000D 01 M
*	LRVMAX	+ 0 2511	01717	7	2.5000000000 03 FT/SEC	7.620000000D 00 M/CS
*	LRVF	+ 0 2512	00116	7	2.0000000000 02 FT/SEC	6.096000000D-01 M/CS
*	LRWVZ	+ 0 2513	11463	0	3.000000000D-01 UNITLESS	3.000000000D-01 UNITLESS
*	LRWVY	+ 0 2514	11463	0	3.000000000D-01 UNITLESS	3.000000000D-01 UNITLESS
*	LRWVX	+ 0 2515	11463	0	3.000000000D-01 UNITLESS	3.000000000D-01 UNITLESS
*	LRWVFZ	+ 0 2516	06315	0	2.000000000D-01 UNITLESS	2.000000000D-01 UNITLESS
*	LRWV FY	+ 0 2517	06315	0	2.000000000D-01 UNITLESS	2.000000000D-01 UNITLESS
*	LRWVFX	+ 0 2520	06315	0	2.000000000D-01 UNITLESS	2.000000000D-01 UNITLESS
*	LRWVFF	+ 0 2521	03146	0	1.000000000D-01 UNITLESS	1.000000000D-01 UNITLESS

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	ABSC0	+ 0	2522 70264	18	-2.055000000D 05 FT	-6.263640000D 04 M
*	ABSC1	+ 0	2523 75670	18	-5.750000000D 04 FT	-1.752600000D 04 M
*	ABSC2	+ 0	2524 76271	18	-4.400000000D 04 FT	-1.341120000D 04 M
*	ABSC3	+ 0	2525 76727	18	-2.900000000D 04 FT	-8.839200000D 03 M
*	ABSC4	+ 0	2526 77310	18	-1.630000000D 04 FT	-4.968240000D 03 M
1 *	SLOPE0	+ 0	2527 00001	6	3.378370000D-03 RADIANS	3.378370000D-03 RADIANS
*	SLOPE1	+ 0	2530 77650	6	-3.407410000D-01 RADIANS	-3.407410000D-01 RADIANS
*	SLOPE2	+ 0	2531 00042	6	1.333333000D-01 RADIANS	1.333333000D-01 RADIANS
*	SLOPE3	+ 0	2532 77712	6	-2.070860000D-01 RADIANS	-2.070860000D-01 RADIANS
*	SLOPE4	+ 0	2533 00004	6	1.411000000D-02 RADIANS	1.411000000D-02 RADIANS
*	PODSCALE	+ 0	2534 14370	-7	1.000000000D 00 FT/SEC	3.048000000D-03 M/CS
*	TAUROD	+ 0	2535 11300 2536 00000	9	1.500000000D 00 SEC	1.500000000D 02 CS

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FINAL LGC E-LOAD

LUMINARY 210

APOLLO 17

11-02-72

REV	MNEMONIC	ADDF	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	LAG/TAU + 0	2537	07356	0	2.333300000D-01 UNITLESS	2.333300000D-01 UNITLESS
		2540	34075			
*	MINFORCE+ 0	2541	00001	12	9.800000000D 02 LBF	4.359257183D-01 KG M/CS2
		2542	27631			
*	MAXFORCE+ 0	2543	00013	12	6.300000000D 03 LBF	2.802379617D 00 KG M/CS2
		2544	06551			
1 *	J1PARM + 0	2545	07017	23	6.045737600D 06 FT	1.842740820D 06 M
		2546	03232			
1 *	K1PARM + 0	2547	73445	23	-6.059818700D 05 FT/RAD	-1.160524897D 06 M/REV
		2550	53142			
1 *	J2PARM + 0	2551	07011	23	6.036605000D 06 FT	1.839957204D 06 M
		2552	25247			
1 *	K2PARM + 0	2553	75532	23	-3.180295000D 05 FT/RAD	-6.090630280D 05 M/REV
		2554	55436			

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	THETCRIT+	0	2555 00444 2556 27621	0	6.432346783D 00 DEG	1.786762995D-02 REV
1 *	RAMIN	+ 0	2557 03324 2560 02662	24	5.872844816D 06 FT	1.790043100D 06 M
*	YLIM	+ 0	2561 00016 2562 32446	24	8.200000000D 00 N.MI.	1.518640000D 04 M
*	ABTRDOT	+ 0	2563 00007 2564 23346	7	1.950000000D 01 FT/SEC	5.943600000D-02 M/CS
*	COSTHET1+	0	2565 00000 2566 00000	2	0.0 UNITLESS	0.0 UNITLESS
*	COSTHET2+	0	2567 06733 2570 07535	2	8.660254037D-01 UNITLESS	8.660254037D-01 UNITLESS
*	DLAND	+ 0	2631 00000 2632 00000	24	0.0 FT	0.0 M

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	DLAND	+ 2	2633 00000 2634 00000	24	0.0 FT	0.0 M
*	DLAND	+ 4	2635 00000 2636 00000	24	0.0 FT	0.0 M
*	HIASCENT	+ 0	3000 02324	16	1.090000000D 04 LBS	4.944156833D 03 KG
1**	ROLLTIME	+ 0	3001 06233	14	3.227000000D 01 SEC	3.227000000D 03 CS
1**	PITTIME	+ 0	3002 06205	14	3.205000000D 01 SEC	3.205000000D 03 CS
*	DKTRAP	+ 0	3003 77001	-3	-3.888888889D-03 REV/SEC	-3.888888889D-03 REV/SEC
*	DKOMEGAN	+ 0	3004 00012	14	1.000000000D 01 UNITLESS	1.000000000D 01 UNITLESS
*	DKKADSN	+ 0	3005 00074	14	6.000000000D 01 UNITLESS	6.000000000D 01 UNITLESS
*	LMTRAP	+ 0	3006 77001	-3	-3.888888889D-03 REV/SEC	-3.888888889D-03 REV/SEC
*	LMOMEGAN	+ 0	3007 00000	14	0.0 UNITLESS	0.0 UNITLESS
*	LMKADSN	+ 0	3010 00074	14	6.000000000D 01 UNITLESS	6.000000000D 01 UNITLESS

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	DKDB	+ 0	3011 00200	15	2.5600000000 02 REV-1	2.5600000000 02 REV-1
1 *	IGNAOSQ	+ J	3012 01713	-2	5.3350000000 00 DEG/SEC2	1.4819444450-02 REV/SEC2
1 *	IGNAOSR	+ 0	3013 00001	-2	3.0000000000-03 DEG/SEC2	8.3333333340-06 REV/SEC2
*	DWNTORK+	0	3113 00000	5	0.0 JET SEC	0.0 JET SEC
*	DWNTORK+	1	3114 00000	5	0.0 JET SEC	0.0 JET SEC
*	DWNTORK+	2	3115 00000	5	0.0 JET SEC	0.0 JET SEC
*	DWNTORK+	3	3116 00000	5	0.0 JET SEC	0.0 JET SEC
*	DWNTORK+	4	3117 00000	5	0.0 JET SEC	0.0 JET SEC
*	DWNTORK+	5	3120 00000	5	0.0 JET SEC	0.0 JET SEC
1 *	AGSK	+ 0	3371 04560 3372 37600	28	1.1000000000 02 HR	3.9600000000 07 CS
*	AZBIAS	+ 0	3373 77741	-1	-3.3000000000-01 DEG	-9.1666666670-04 REV
*	ATIGINC	+ J	3400 00001 3401 03120	28	3.0000000000 00 MIN	1.8000000000 04 CS

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FINAL LGC E-LOAD

LUMINARY 210

APOLLO 17

11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* PTIGINC	+ 0	3402 00001 3403 03120	28	3.0000000000 00 MIN	1.8000000000 04 CS
1	* AOTAZ	+ 0	3404 65327	-1	-5.9512939450 01 DEG	-1.6531372070-01 REV
1	* AOTAZ	+ 1	3405 00050	-1	4.3500000000-01 DEG	1.2083333330-03 REV
1	* AOTAZ	+ 2	3406 12567	-1	6.0372000000 01 DEG	1.6770000000-01 REV
1	* AOTAZ	+ 3	3407 25327	-1	1.2048400000 02 DEG	3.3467777780-01 REV
1	* AOTAZ	+ 4	3410 40050	-1	-1.7956054690 02 DEG	-4.9877929690-01 REV
1	* AOTAZ	+ 5	3411 52572	-1	-1.1959400000 02 DEG	-3.3220555560-01 REV
1	* AOTEL	+ 0	3412 10021	-1	4.5183000000 01 DEG	1.2550833330-01 REV
1	* AOTEL	+ 1	3413 10023	-1	4.5210000000 01 DEG	1.2558333330-01 REV
1	* AOTEL	+ 2	3414 10021	-1	4.5192000000 01 DEG	1.2553333330-01 REV
1	* AOTEL	+ 3	3415 10015	-1	4.5147000000 01 DEG	1.2540833330-01 REV
1	* AOTEL	+ 4	3416 10013	-1	4.5120000000 01 DEG	1.2533333330-01 REV

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FINAL LGC E-LOAD LUMINARY 210 APOLLO 17 11-02-72

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1 *	AOTEL	+ 5	3417 10015	-1	4.513800000D 01 DEG	1.253833333D-01 REV
*	LRHMAX	+ 0	3420 35610	14	5.000000000D 04 FT	1.524000000D 04 M
*	LRWH	+ 0	3421 13146	0	3.500000000D-01 UNITLESS	3.500000000D-01 UNITLESS
*	ZOOMTIME+	0	3422 05050	14	2.600000000D 01 SEC	2.600000000D 03 CS
*	TENDBRAK+	0	3423 01407	17	6.200000000D 01 SEC	6.200000000D 03 CS
*	TENDAPPR+	0	3424 00226	17	1.200000000D 01 SEC	1.200000000D 03 CS
*	DELTTFAP+	0	3425 76224	17	-7.000000000D 01 SEC	-7.000000000D 03 CS
*	LEADTIME+	0	3426 77743	17	-2.200000000D 00 SEC	-2.200000000D 02 CS
*	RPCRTIME+	0	3427 01407	17	6.200000000D 01 SEC	6.200000000D 03 CS
*	RPCRTQSW+	0	3430 57777	1	-1.000000000D 00 UNITLESS	-1.000000000D 00 UNITLESS
*	TNEWA	+ 0	3431 20000 3432 00000	28	1.342177280D 08 CS	1.342177280D 08 CS

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FINAL LGC E-LOAD				LUMINARY 210				APOLLO 17				11-02-72			
ID	A V71	B V71	C V71	D V71	ID	E V71	F V71	G V71	H V71	ID	T V71	J V71	K V71	L V71	ID
01	00021	00017	00010	00022	01	00012	00024	00024	00024	01	00015	00024	00023	00016	01
02	01452	01700	01766	02000	02	02020	02400	02422	02444	02	02466	02512	02534	02555	02
03	04146	00000	01351	05750	03	00252	00001	77772	00704	03	76366	00116	14370	00444	03
04	57742	00000	24734	00763	04	31721	36331	50265	04643	04	60601	11463	11300	27621	04
05	04334	00000	02354	17270	05	00145	77777	00000	37777	05	71727	11463	00000	03324	05
06	66645	00000	04761	17270	06	23640	42227	23567	37777	06	57777	11463	07356	02662	06
07	04061	00000	00410	00023	07	00110	00000	77675	00000	07	04114	06315	34075	00016	07
10	70354	00000	00165	00001	10	37410	01405	65140	00000	10	04454	06315	00001	32446	10
11	00015	00020		00000	11	04663	77774	77773	00567	11	07640	06315	27631	00007	11
12	00063	34666		00000	12	20221	60122	51173	25762	12	14632	03146	00013	23346	12
13	77563	32260		00103	13		77777	77755	00113	13	00017	70264	06551	00000	13
14	00470	00001		00103	14		77572	66351	04704	14	00000	75670	07017	00000	14
15	77627	36744		00004	15		77766	00000	00416	15	00226	76271	03232	06733	15
16	00150	00000		24336	16		55311	00055	12072	16		76727	73445	07535	16
17	00150	06172		00005	17		77777	77161	77721	17		77310	53142		17
20	00234			32552	20		72367	77106	60557	20		00001	07011		20
21	77457			77776	21		77767	77743	77065	21		77650	25247		21
22				52362	22		73603	67344	41001	22		00042	75532		22
23					23		00000	77541	77251	23		77712	55436		23
24					24		00024	63456	77371	24		00004			24

Enclosure

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FINAL LGC E-LOAD

LUMINARY 210

APOLLO 17

11-02-72

M	N	D	P	Q	R	S		
ID V71	V71	V71	V71	ID V71	V72	V72		
01	00010	00013	00010	00022	01 00015	00023	00017	
02	02631	03003	03113	03400	02 03420	01347	01315	02
03	00000	77001	00000	00001	03 35610	12160	13146	03
04	00000	00012	00000	03120	04 13146	01350	02371	04
05	00000	00074	00000	00001	05 05050	03363	00000	05
06	00000	77001	00000	03120	06 01407	01353	02372	06
07	00000	00000	00000	65327	07 00226	00020	00000	07
10	00000	00074	00000	00050	10 76224	01354	02373	10
11		00200		12567	11 77743	00003	00000	11
12		01713		25327	12 01407	01477	03371	12
13		00001		40050	13 57777	00000	04560	13
14				52572	14 20000	02503	03372	14
15				10021	15 00000	00000	37600	15
16				10023	16	02504	03373	16
17				10021	17	00750	77741	17
20				10015	20	02511		20
21				10013	21	01717		21
22				10015	22	03000		22
23					23	02324		23
24					24			24

LM0917A

LGC LM NAV UPDATE

LOAD NO 2006 GETGEN 150:38:10 SITESMIL
STA ID STAT000 REF LUNAR GETSV 000:55:30

OID	FCT	DSKY V71	VECTOR
01	INDEX	00021	
02	ADD	01501	
03	VID	77775	
04	X	00234	+4206046.0
05	X	17646	
06	Y	77575	-3516194.5
07	Y	45417	
10	Z	77627	-2011920.0
11	Z	54027	
12	\dot{X}	54042	-6539.51
13	\dot{X}	62735	
14	\dot{Y}	61616	-4666.04
15	\dot{Y}	51110	
16	\dot{Z}	75160	-912.00
17	\dot{Z}	70074	
20	T	37777	000:55:37.55
21	T	37777	

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