FINAL

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

RECEIVED
APR 3 1970
R. A. LAPSON

IN REPLY REFER TO: 70-FS55-78

MAR 26 1970

MEMORANDUM TO: Apollo Spacecraft Program Office
Attention: PD7/Richard H. Kohrs

FROM : FS/Chief, Flight Support Division

SUBJECT : Final Apollo 13 (Mission H2) prelaunch erasable load (LM131 Rev 1)

1. Enclosure 1 consists of the final values for the parameters in the Apollo 13 (Mission H2) prelaunch erasable load for the LGC.

2. The number to the left of the parameter mnemonic denotes the number of revisions to the value of the corresponding parameter that have been incorporated in publications of the Apollo 13 erasable load.

3. 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.

4. 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.

5. Enclosure 3 consists of planned changes to the Apollo 13 erasable load, with values when known.

6. Questions or comments regarding erasable loads should be directed to Mr. J. W. Jurgensen, extension 2111.

Lynwood C. Dunseith

Enclosures 3

FS55:JWJurgensen:jvm

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	FLAGWRD7+	0	0077	12000	-0	
1	FLAGWRD8+	0	0104	06000	-0	
	FLGWRD10+	0	0106	00000	-0	
	MASS +	0	1243	07401	16 3.387230000+004 LBS	1.536421683+004 KGS
	MASS +	1	1244	00000	0 0.000000000+000 LBS	0.000000000+000 KGS
1**	LEMMASS +	0	1326	07401	16 3.387230000+004 LBS	1.536421683+004 KGS
1**	CSMMASS +	0	1327	10245	16 3.758030000+004 LBS	1.704613734+004 KGS
*	E3J22R2M+	0	1347	12160	58 9.204790479+016	9.204790479+016 M5/CS2
*	E32C31RM+	0	1350	03363	81 1.312892560+023	1.312892560+023 M6/CS2
*	RADSKAL +	0	1351	00000	21 0.000000000+000	0.000000000+000 LRB/M/CS
			1352	00000		

UNITS ARE LR LOW SCALE ALTITUDE BITS/METER/CS

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV		MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	*	SKALSKAL+	0	1353	00000	0	0.000000000+000	0.000000000+000
2	*	ELPIAS +	0	1356	00044	-1	4.000000000-001 DEG	1.111111111-003 REV
1	*	PBIASX +	0	1452	03641	-3	1.490020752-004	1.490020752-002
1	*	PIPASCFX+	0	1453	64417	-9		-6.999969482-004
1	*	PBIASY +	0	1454	74272	-3	-1.419830322-004	-1.419830322-002
1	*	PIPASCFY+	0	1455	54401	-9		-1.189947128-003
1	*	PBIAS7 +	0	1456	03775	-3	1.560211182-004	1.560211182-002
1	*	PIPASCFZ+	0	1457	72727	-9		-7.999941528-004
1	*	NBDX +	0	1460	00063	-5		9.727478027-005
1	*	NBDY +	0	1461	00015	-5		2.479553223-005
1	*	NBD7 +	0	1462	77762	-5		-2.479553223-005
1	*	ADIAX +	0	1463	77627	-6		-9.918212890-005
1	*	ADIAY +	0	1464	00203	-6		1.239776611-004

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	* ADIAZ	+ 0 1465 77713	-6		-4.959106445-005
1	* ADSRAX	+ 0 1466 77745	-6		-2.479553223-005
1	* ADSRAY	+ 0 1467 00266	-6		1.735687256-004
1	* ADSRAZ	+ 0 1470 00000	-6		0.000000000+000
	* GCOMPSW	+ 0 1477 00000	-0		
	TETCSM	+ 0 1570 37777	-0		
	TETLEM	+ 0 1642 37777	-0		
	* X789	+ 0 1700 00000 1701 00000	5	0.000000000+000	0.000000000+000 RADIANS
	* X789	+ 2 1702 00000 1703 00000	5	0.000000000+000	0.000000000+000 RADIANS
	* X789	+ 4 1704 00000 1705 00000	5	0.000000000+000	0.000000000+000 RADIANS

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	* TEPHEM	+ 0	1706 00011	42	2.460678000+007	2.460678000+009 CS
			1707 05253			
			1710 33560			
1	* AZO	+ 0	1711 30623	0	2.788765975+002 DEG	7.746572159-001 REV
			1712 37367			
1	* -AYO	+ 0	1713 00000	0	1.311868428-002 DEG	3.644078970-005 REV
			1714 23066			
1	* AXO	+ 0	1715 00000	0	1.552999018-002 DEG	4.313886166-005 REV
			1716 26474			
2	REFSMMAT	+ 0	1733 11227	1	5.809470490-001	5.809470490-001
			1734 03621			
2	REFSMMAT	+ 2	1735 64303	1	-7.260797396-001	-7.260797396-001
			1736 76432			

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
2	REFSMMAT+ 4	1737	72072	1	-3.678434119-001	-3.678434119-001
		1740	64034			
2	REFSMMAT+ 6	1741	77664	1	-9.245857596-003	-9.245857596-003
		1742	50201			
2	REFSMMAT+ 8	1743	70531	1	-4.577863067-001	-4.577863067-001
		1744	72041			
2	REFSMMAT+10	1745	16162	1	8.890141919-001	8.890141919-001
		1746	31571			
2	REFSMMAT+12	1747	62764	1	-8.138888478-001	-8.138888478-001
		1750	63727			
2	REFSMMAT+14	1751	67624	1	-5.130691305-001	-5.130691305-001
		1752	76002			
2	REFSMMAT+16	1753	73506	1	-2.726628333-001	-2.726628333-001
		1754	53045			

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	RANGEVAR+	0	1770 01351	-12	1.111111111-005	1.111111111-005
			1771 24734			
*	RATEVAR +	0	1772 02354	-12	1.877777000-005	1.877777000-005
			1773 04750			
*	RVARMIN +	0	1774 00410	12	7.104180875+002 FT2	6.600000000+001 M2
*	VVARMIN +	0	1775 00165	-12	1.877764172-001 FT2/SEC2	1.744500000-006 M2/CS2
*	WRENDPOS+	0	2000 05750	14	1.000000000+004 FT	3.048000000+003 M
*	WRENDVEL+	0	2001 00763	7	1.000000000+001 FT/SEC	3.048000000-002 M/CS
*	WSHAFT +	0	2002 17270	-5	1.500000000+001 MILLIRAD	1.500000000-002 RADIANS
*	WTRUN +	0	2003 17270	-5	1.500000000+001 MILLIRAD	1.500000000-002 RADIANS
*	RMAX +	0	2004 00023	19	2.000000000+003 FT	6.096000000+002 M
*	VMAX +	0	2005 00001	7	2.000000000+000 FT/SEC	6.096000000-003 M/CS
*	WSUREPOS+	0	2006 00000	14	0.000000000+000 FT	0.000000000+000 M

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REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* WSUREVEL+	0 2007 00000	0	0.000000000+000 FT/SEC	0.000000000+000 M/CS
	* SHAFTVAR+	0 2010 00103	-12	1.000000000+000 MILIRAD2	1.000000000-006 RADIANS2
	* TRUNVAR +	0 2011 00103	-12	1.000000000+000 MILIRAD2	1.000000000-006 RADIANS2
1	* 504LM +	0 2012 77772 2013 46750	0	-3.529451787-004	-3.529451787-004
1	* 504LM +	2 2014 77773 2015 57473	0	-2.753883600-004	-2.753883600-004
1	* 504LM +	4 2016 00006 2017 06361	0	3.785528243-004	3.785528243-004
	* AGSK +	0 2020 04225 2021 10400	28	1.000000000+002 HR	3.600000000+007 CS
2	* RLS +	0 2022 00311 2023 31177	27	5.423410433+006	1.653055500+006 M

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV		MNEMONIC		ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS	
2	*	RLS	+ 2	2024	77700	27	-1.70835137B+006	-5.207055000+005	M
				2025	55774				
2	*	RLS	+ 4	2026	77762	27	-3.64575131?+005	-1.111225000+005	M
				2027	55732				
3	*	TLAND	+ 0	2400	04347	28	1.037433811+002 HR	3.734761720+007	CS
				2401	20441				
	*	RBREG	+ 0	2402	77776	24	-3.562050000+003 FT	-1.085712840+003	M
				2403	76044				
	*	RBREG	+ 2	2404	00000	24	0.000000C00+000 FT	0.000000000+000	M
				2405	00000				
	*	RBREG	+ 4	2406	77773	24	-1.370571000+004 FT	-4.177500408+003	M
				2407	75347				
	*	VBREG	+ 0	2410	77766	10	-1.869030500+002 FT/SEC	-5.696804964-001	M/CS
				2411	74245				

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV	MNEMONIC		ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	VBRFG	+ 2	2412	00000	10	0.000000000+000 FT/SEC	0.000000000+000 M/CS
			2413	00000			
*	VBRFG	+ 4	2414	77773	10	-9.873819000+001 FT/SEC	-3.009540031-001 M/CS
			2415	45722			
*	ABRFG	+ 0	2416	77774	-4	-4.502495000-001 FT/SEC2	-1.372360476-005 M/CS2
			2417	54701			
*	ABRFG	+ 2	2420	00000	-4	0.000000000+000 FT/SEC2	0.000000000+000 M/CS2
			2421	00000			
*	ABRFG	+ 4	2422	77663	-4	-9.515097500+000 FT/SEC2	-2.900201718-004 M/CS2
			2423	77104			
*	VBRFG*	+ 0	2424	77765	13	-1.777287420+003 FT	-5.417172056+000
			2425	45231			
*	ABRFG*	+ 0	2426	77067	-4	-5.709058500+001 FT/SEC2	-1.740121031-003 M/CS2
			2427	72634			

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* JBREG*	+ 0	2430 77545	-21	-1.474273600-002 FT/SEC3	-4.493585933-009 M/CS3
			2431 63177			
1	* GAINBRAK+	0	2432 37777	0	9.999999963-001	9.999999963-001
			2433 37777			
	* TCGFBRAK+	0	2434 00567	17	3.000000000+001 SEC	3.000000000+003 CS
	* TCGIBRAK+	0	2435 25762	17	9.000000000+002 SEC	9.000000000+004 CS
	* RAPFG	+ 0	2436 00000	24	8.292750000+001 FT	2.527630200+001 M
			2437 00624			
	* RAPFG	+ 2	2440 00000	24	0.000000000+000 FT	0.000000000+000 M
			2441 00000			
	* RAPFG	+ 4	2442 77777	24	-2.016050000+001 FT	-6.144920400+000 M
			2443 77635			
	* VAPFG	+ 0	2444 77777	10	-3.190000000-001 FT/SEC	-9.723120000-004 M/CS
			2445 77400			

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	VAPFG + 2	2446	00000	10	0.000000000+000 FT/SEC	0.000000000+000 M/CS
		2447	00000			
*	VAPFG + 4	2450	00000	10	3.123300000-001 FT/SEC	9.519818400-004 M/CS
		2451	00372			
*	AAPFG + 0	2452	00002	-4	2.998200000-001 FT/SEC2	9.138513600-006 M/CS2
		2453	14522			
*	AAPFG + 2	2454	00000	-4	0.000000000+000 FT/SEC2	0.000000000+000 M/CS2
		2455	00000			
*	AAPFG + 4	2456	77774	-4	-4.016500000-001 FT/SEC2	-1.224229200-005 M/CS2
		2457	71233			
*	VAPFG* + 0	2460	00000	13	5.621940000+000 FT/SEC	1.713567312-002 M/CS2
		2461	01062			
*	AAPFG* + 0	2462	77754	-4	-2.409900000+000 FT/SEC2	-7.345375200-005 M/CS2
		2463	67646			

FINAL H2 PRELAUNCH ERASABLE LOAD ≥LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* JAPFG* +	0	2464 00612 2465 30722	-21	3.769542000-002 FT/SEC3	1.148956402-008 M/CS3
	* GAINAPPP+	0	2466 00000 2467 00000	0	0.000000000+000	0.000000000+000
	* TCGFAPPR+	0	2470 00113	17	6.000000000+000 SEC	6.000000000+002 CS
	* TCGIAPPR+	0	2471 04704	17	2.000000000+002 SEC	2.000000000+004 CS
2	* VIGN +	0	2472 00416 2473 15755	10	5.545364400+003 FT/SEC	1.690227069+001 M/CS
2	* RIGNX +	0	2474 77730 2475 51505	24	-1.337715400+005 FT	-4.065164539+004 M
2	* RIGNZ +	0	2476 77121 2477 73554	24	-1.445069500+006 FT	-4.404571836+005 M
	* KIGNX/R4+	0	2500 77255 2501 41625	4	-3.310000000-001	-3.310000000-001

REV		MNEMONIC		ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	*	KIGNV/R8+	0	2502 73754 2503 52751	-16	-5.869400000-007 FT/FT2	-1.925656168-006 M-1
	*	KIGNV/R4+	0	2504 72516 2505 57777	18	-4.380000000+002 SEC	-4.380000000+004 CS
	*	LOWCRIT +	0	2506 04114	14	5.985000000+003 LBF	2.124374401+003 DPSTROTP
	*	HIGHCRIT+	0	2507 04454	14	6.615000000+003 LBF	2.347992759+003 DPSTROTP
1	*	TAUH7 +	0	2510 07640	11	5.000000000+000 SEC	5.000000000+002 CS
1	*	QH7 +	0	2511 14632	0	4.000244141-001	4.000244141-001
1	*	AH7LIM +	0	2512 00017	-4	1.877311646+000 FT/SEC2	5.722045898-005 M/CS2
1	*	TOOFEW +	0	2513 00003	14		3.000000000+000
1	*	HLROFF +	0	2514 00000 2515 00364	24	5.003280840+001 FT	1.525000000+001 M
1	*	2LATE466+	0	2516 00000 2517 00226	28	1.500000000+000 SEC	1.500000000+002 CS

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
4	* DELQFIX + 0	2520	00000	24	2.000000000+002 FT	6.096000000+001 M
		2521	01717			
	* LRALPHA + 0	2522	01042	-1	6.000000000+000 DEG	1.666666668-002 REV
	* LRBETA1 + 0	2523	04211	-1	2.400000000+001 DEG	6.666666672-002 REV
	* LRALPHA2+ 0	2524	01042	-1	6.000000000+000 DEG	1.666666668-002 REV
	* LRBETA2 + 0	2525	00000	-1	0.000000000+000 DEG	0.000000000+000 REV
	* LRVMAX + 0	2526	01414	7	2.000000000+003 FT/SEC	6.096000000+000 M/CS
	* LRVF + 0	2527	00116	7	2.000000000+002 FT/SEC	6.096000000-001 M/CS
	* LRWVZ + 0	2530	11463	0	3.000000000-001	3.000000000-001
	* LRWVY + 0	2531	11463	0	3.000000000-001	3.000000000-001
	* LRWVX + 0	2532	11463	0	3.000000000-001	3.000000000-001
	* LRWVFZ + 0	2533	06315	0	2.000000000-001	2.000000000-001
	* LRWVFY + 0	2534	06315	0	2.000000000-001	2.000000000-001

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* LRWVEX + 0	2535 06315	0	2.000000000-001	2.000000000-001
	* LRWVEE + 0	2536 03146	0	1.000000000-001	1.000000000-001
	* RODSCALE+ 0	2537 14370	-7	1.000000000+000 FT/SEC	3.048000000-003 M/CS
	* TAURCD + 0	2540 11300 2541 00000	9	1.500000000+000 SEC	1.500000000+002 CS
	* LAG/TAU + 0	2542 15164 2543 01420	0	4.133330000-001	4.133330000-001
	* MINFORCE+ 0	2544 00001 2545 27631	12	9.800000000+002 LBF	4.359257183-001 KG M/CS2
	* MAXFORCE+ 0	2546 00013 2547 06551	12	6.300000000+003 LBF	2.802379617+000 KG M/CS2
1	* J1PARM + 0	2550 07015 2551 12075	23	6.042735900+006 FT	1.841825902+006 M

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
1	* K1PARM + 0	2552	75534	23	-3.174389100+005 FT/RAD	-6.079319804+005 M/REV
		2553	64200			
1	* J2PARM + 0	2554	07017	23	6.046910400+006 FT	1.843098290+006 M
		2555	31511			
1	* K2PARM + 0	2556	73337	23	-6.245998500+005 FT/RAD	-1.196180467+006 M/REV
		2557	66560			
1	* THETCRIT+ 0	2560	76361	0	-1.718327700+001 DEG	-4.773132504-002 REV
		2561	77023			
1	* RAMIN + 0	2562	03326	24	5.880484940+006 FT	1.792371810+006 M
		2563	13475			
	* YLIM + 0	2564	00016	24	9.200000000+000 N.MI.	1.518640000+004 M
		2565	32446			
	* APIRDOT + 0	2566	00007	7	1.950000000+001 FT/SEC	5.943600000-002 M
		2567	23346			

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	COSTHET1+	0	2570 00000	2	0.000000000+000	0.000000000+000
			2571 00000			
*	COSTHET2+	0	2572 06733	2	8.660254037-001	8.660254037-001
			2573 07535			
*	DLAND +	0	2634 00000	24	0.000000000+000 FT	0.000000000+000 M
			2635 00000			
*	DLAND +	2	2636 00000	24	0.000000000+000 FT	0.000000000+000 M
			2637 00000			
*	DLAND +	4	2640 00000	24	0.000000000+000 FT	0.000000000+000 M
			2641 00000			
*	HIASCENT+	0	3000 02324	16	1.090000000+004 LBS	4.944156833+003 KG
1**	ROLLTIME+	0	3001 05454	14	2.860000000+001 SEC	2.860000000+003 CS
1**	PITTIME +	0	3002 04513	14	2.379000000+001 SEC	2.379000000+003 CS

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV		MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE		VALUE IN AGC UNITS
	*	DKTRAP +	0	3003	77001	-3	-3.888888889-003	-3.888888889-003 REV/SEC
	*	DKOMEGAN+	0	3004	00012	14	1.000000000+001	1.000000000+001
	*	DKKAOSN +	0	3005	00074	14	6.000000000+001	6.000000000+001
	*	LMTRAP +	0	3006	77001	-3	-3.888888889-003	-3.888888889-003 REV/SEC
	*	LMOMEGAN+	0	3007	00000	14	0.000000000+000	0.000000000+000
	*	LMKAOSN +	0	3010	00074	14	6.000000000+001	6.000000000+001
	*	DKDP +	0	3011	00200	15	2.560000000+002	2.560000000+002 REV-1
2	*	IGNAOSC +	0	3012	02555	-2	7.630000000+000 DEG/SEC2	2.119444446-002 REV/SEC2
1	*	IGNAOSR +	0	3013	00150	-2	5.700000000-001 DEG/SEC2	1.583333335-003 REV/SEC2
	*	DOWNTORK+	0	3113	00000	5		0.000000000+000 JET SEC
	*	DOWNTORK+	1	3114	00000	5		0.000000000+000 JET SEC
	*	DOWNTORK+	2	3115	00000	5		0.000000000+000 JET SEC
	*	DOWNTORK+	3	3116	00000	5		0.000000000+000 JET SEC

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1^

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
	* DOWNTORK+	4	3117 00000	5		0.000000000+000 JET SEC
	* DOWNTORK+	5	3120 00000	5		0.000000000+000 JET SEC
1	* VELBIAS +	0	3371 00001 3372 36331	6	2.500000000+000 FT/SEC	7.620000000-003 M/CS
1	* AZBIAS +	0	3373 77201	-1	-4.200000000+000 DEG	-1.166666667-002 REV
	* ATIGINC +	0	3400 00001 3401 03120	28	3.000000000+000 MIN	1.800000000+004 CS
	* PTIGINC +	0	3402 00001 3403 03120	28	3.000000000+000 MIN	1.800000000+004 CS
	* ACTAZ +	0	3404 65244	-1	-6.007800000+001 DEG	-1.668833335-001 REV
	* AOTAZ +	1	3405 77770	-1	-7.400000000-002 DEG	-2.055555557-004 REV
	* AOTAZ +	2	3406 12514	-1	5.990100000+001 DEG	1.663916668-001 REV
	* ACTAZ +	3	3407 25247	-1	1.199570000+002 DEG	3.332138892-001 REV

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	AOTAZ	+ 4	3410	37775	-1 1.799640000+002 DEG	4.999000004-001 REV
*	AOTAZ	+ 5	3411	52521	-1 -1.200480000+002 DEG	-3.334666669-001 REV
*	AOTEL	+ 0	3412	10011	-1 4.509500000+001 DEG	1.252638890-001 REV
*	AOTEL	+ 1	3413	10012	-1 4.511300000+001 DEG	1.253138890-001 REV
*	AOTEL	+ 2	3414	10014	-1 4.512800000+001 DEG	1.253555557-001 REV
*	AOTEL	+ 3	3415	10013	-1 4.512500000+001 DEG	1.253472223-001 REV
*	AOTEL	+ 4	3416	10012	-1 4.510700000+001 DEG	1.252972223-001 REV
*	AOTEL	+ 5	3417	10010	-1 4.509200000+001 DEG	1.252555557-001 REV
*	LRHMAX	+ 0	3420	35610	14 5.000000000+004 FT	1.524000000+004 M
*	LRWH	+ 0	3421	13146	0 3.500000000-001	3.500000000-001
*	ZOCMTIME+	0	3422	05050	14 2.600000000+001 SEC	2.600000000+003 CS
*	TENDBRAK+	0	3423	01407	17 6.200000000+001 SEC	6.200000000+003 CS
*	TENDAPPR+	0	3424	00226	17 1.200000000+001 SEC	1.200000000+003 CS

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1↑

REV	MNEMONIC	ADDR	OCTAL	SF	ENGINEERING VALUE	VALUE IN AGC UNITS
*	DELTTEAP+	0	3425 75632	17	-9.000000000+001 SEC	-9.000000000+003 CS
*	LEADTIME+	0	3426 77743	17	2.200000000+000 SEC	-2.200000000+002 CS
*	RPCRTIME+	0	3427 01407	17	6.200000000+001 SEC	6.200000000+003 CS
*	RPCRTOSW+	0	3430 57777	1	-1.000000000+000	-1.000000000+000
*	INFWA +	0	3431 20000 3432 00000	28		1.342177280+008

A LARGE NUMBER TO PREVENT RECYCLING THE LAMBERT SOLUTION

FINAL H2 PRELAUNCH ERASABLE LOAD >LM131A REV 1*

	A	B	C	D		E	F	G	H		I	J	K	L	
ID	V71	V71	V71	V71	ID	V71	V71	V71	V71	ID	V71	V71	V71	V71	ID
01	00021	00021	00010	00024	01	00010	00024	00024	00024	01	00024	00020	00024	00024	01
02	01452	01700	01770	02000	02	02022	02400	02422	02444	02	02466	02510	02526	02550	02
03	03641	00000	01351	05750	03	00311	04347	77663	77777	03	00000	07640	01414	07015	03
04	64417	00000	24734	00763	04	31177	20441	77104	77400	04	00000	14632	00116	12075	04
05	74272	00000	02354	17270	05	77700	77776	77765	00000	05	00113	00017	11463	75534	05
06	54401	00000	04750	17270	06	55774	76044	45231	00000	06	04704	00003	11463	64200	06
07	03775	00000	00410	00023	07	77762	00000	77067	00000	07	00416	00000	11463	07017	07
10	72727	00000	00165	00001	10	55732	00000	72634	00372	10	15755	00364	06315	31511	10
11	00063	00011		00000	11		77773	77545	00002	11	77730	00000	06315	73337	11
12	00015	05253		00000	12		75347	63177	14522	12	51505	00226	06315	66560	12
13	77762	33560		00103	13		77766	37777	00000	13	77121	00000	03146	76361	13
14	77627	30623		00103	14		74245	37777	00000	14	73554	01717	14370	77023	14
15	00202	37367		77772	15		00000	00567	77774	15	77255	01042	11300	03326	15
16	77713	00000		46750	16		00000	25762	71233	16	41625	04211	00000	13475	16
17	77745	23066		77773	17		77773	00000	00000	17	73754	01042	15164	00016	17
20	00266	00000		57473	20		45722	00624	01062	20	52751	00000	01420	32446	20
21	00000	26474		00006	21		77774	00000	77754	21	72516		00001	00007	21
22				06361	22		54701	00000	67646	22	57777		27631	23346	22
23				04225	23		00000	77777	00612	23	04114		00013	00000	23
24				10400	24		00000	77635	30722	24	04454		06551	00000	24

R03 parameters		To reflect mass property changes
TEPHEM		To reflect time of lift-off
WRENDPOS	609.6m 01142	
WRENDVEL	0.006096m/cs 00144	
WSHAFT	0.005rad 05075	
WTRUN	0.005rad 05075	
RLS		To reflect improvement in knowledge of landing site