

ERASABLE LOAD UPDATE

In the event of PROG ALARM 1107, perform the following:

V74E (Wait 42 sec:HBR) (DUMP E MEMORY)
V36E
V48E (LOAD DAP as DESIRED - use
V46E latest known weights)
V25N07E 77E 10000E 1E (set REFSMFLG)
VIN1E 104E (verify CMOON FLAG and LMOON FLAG)
(BITS 11 AND 12 SHOULD BE 0 IN
EARTH SPHERE and 1 in MOON SPHERE)

Verify E MEMORY (should be done ASAP)

VIN1E
XXXXE (LOAD OID 2 OF UPDATE)
N15E, READ R1, E REPEAT FOR UPDATES A-L

FOR UPDATES M,N and O

- VIN1E
1. XXXXE (LOAD EVEN OID'S)
2. READ R1, E (READ ODD OID'S IN R1)
RETURN TO 1

IN CASE OF A DISCREPANCY
LOAD THAT UPDATE AS A NORMAL P27

V37E51E, PRO
V37E00E (Sets drift flag)
OPT ZERO - OFF
OPT ZERO - ZERO

P52-OPTION 3-AUTO OPTICS

AUTO OPTICS SUCCESSFUL, REFSMMAT VALID
AUTO OPTICS UNSUCCESSFUL, DO P51
V16 N65 verify CMC CLOCK (UPDATE)

DATE 12/8/71

G
9-2

TO CHECK STATE VECTOR CALL P21
AND LOAD PRESENT TIME. WHEN COMP CYCLE
IS COMPLETE

V06 N73E

READ R1 (R1 X 10=CURRENT ALT (NM))

COMPARE TO SOME KNOWN VALUE (E.G., FLIGHT PLAN)

IF ANSWER COMPARES - STATE VECTOR IS OK AND
P23 SHOULD BE USED TO IMPROVE IT.IF GROSS ERRORS ARE OBSERVED, P23 IS UNLIKELY
TO CORRECT THEM. IN THIS CASE PERFORMV71 LOAD OF LATEST PAD S.V. - SELECT
POO TO BRING S.V. TO PRESENT TIME.

DATE 12/8/71

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DATE 12/8/71

OID	A	B	C	D	E	F	G	H
	V71	V71	V71	V71	V71	V71	V71	V71
01	00021	00013	00012	00011	00023	00023	00024	00024
02	01452	01706	01341	01763	02000	02021	02042	02064
03	77667 77450 72727	00011	00005	01532 01545 02064	00137	00001	00003	00031
04	73716 03773	11522	06510	02077 01634	00763	03120	16503	14567
05	03706 52152	13000	07025	01571	00023	00001	00023	00115
06	53016 77426	00000	00620	12160	00001	03120	33241	26534
07	77562 72727	34355	00000	03363	00000	00311	77777	77463
10	76354 00214	00000	33260	00233 00251	00000	34350	61527	73546
11	00000 77714	14715	37723	00476 00522	00471	00070	00001	77642
12	00046	37777	01145 01146		00364	01504	16222	52154
13	77446	37777			04400	77736	77765	76151
14	00230				77777	72015	54467	43216

DATE 3/15/72
3/29/72

OID	A	B	C	D	E	F	G	H
	V71	V71	V71	V71	V71	V71	V71	V71
15	77572				75361	00011	77735	00134
16	00412				00013	22530	46620	34211
17	77456				14450	12765	77756	77735
20	77342 77345				00004	77771	43000	77273
21	77615 77619				03651	56461	77777	01064
22					00002	00010	40425	16257
23					26244	05524	00063	04037
24							24751	36105

OID	I	J	K	L	M	N	O	S.V.
	V71	V71	V71	V71	V72	V72	V72	V71
01	00024	00022	00023	00021	00017	00023	00011	
02	02106	02130	03000	03025	00737	02354	00374	
03	02051	00351	00436	37777	37777	00036	00000	
04	05125	25674	02732	00000	01477	02367	01016	
05	10007	16450	00000	00000	00000	00000	00000	
06	00042	12150	00000	54360	02377	02370	01017	
07	75152	10721	77777	21075	00142	33102	00000	
10	77347	03577	77777	37777	03021	02371	01020	
11	77244	03671	42757	60465	01000	00017	00000	
12	53172	32360	10510	00000	03022	02372		
13	74357	65574	06477	54360	00232	00002		
14	61224	76301	74552	21075	03375	02373		

DATE 3/15/72

DATE 3/15/72
3/29/72

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9-7

OID	I	J	K	L	M	N	O	S.V.
	V71	V71	V71	V71	V72	V72	V72	V71
15	67670	16101	01470	37777	00000	00005		
16	53324	14665	00100 00102	57142	03376	02374		
17	73567	06100	00123	33106	00000	00005		
20	45641	12514	00175	50741		02375		
21	72307	00530	17433	31162		00026		
22	73523	10737	04500			02376		
23	01715		00334			00003		
24	26726							

LM OR CSM S.V. READOUT

1

V96E, V83E

2

After Integration: V05N01E

<u>CSM S.V.</u>					<u>LM S.V.</u>				
2253E					2223E				
E,2256E					E,2226E				
E,2261E					E,2237E				
E,2264E					E,2242E				
E,2333E					E,2333E				
PRO					PRO				

3

Transmit S.V. & Time Tag
To LM

LM OR CSM S.V. LOADING

V37E00E
V71E
21E
1501E

Earth: (CSM S.V.) 00001E, Plus Xmitted Pad
(LM S.V.) 77776E, Plus Xmitted Pad
Lunar: (CSM S.V.) 00002E, Plus Xmitted Pad
(LM S.V.) 77775E, Plus Xmitted Pad
V33E

DATE 12/8/71