Massachusetts Institute of Technology Instrumentation Laboratory

LUMINARY Memo #119

TO:

Distribution

FROM:

H. McOuat

DATE:

30 October 1969

SUBJECT: New LOSSEM Numbers

In 12-65 I wrote GMS Note #13 which contained a bunch of numbers that in concert provided an approximate sun-moom ephemeris, by the year, for the years 1966-67 thru 1969-70.

The original intent was to provide an interim ephemeris for early Apollo flights. It seems that for LUMINARY ropes these beauties are still in. More numbers were requested for future years, and so they are listed below, appropriate, I believe, for direct insertion into an "LGC" listing.

NAME		1970-1971	1971-1972
KONMAT+ KONMAT+		0.91746 -0.035711	0.91746 -0.035711
KONMAT+		0.39784	0.39784
KONMAT+	16	0.082354	0.082354
RATESP		0.03660099	0.03660099
RATESP+	2	0,00273780	0.00273780
RATESP+	4	-0.00014720	-0.00014720
RATESP+	6	0.174685017	0.534087032
RATESP+	8	0,274011893	0.273348812
RATESP+	10	0.932520213	0.878830928
***			0,0.00000020
VAL67		0.017531111	0.017762914
VAL6 7 +	2	-0, 224249436	0.024937781
VAL6 7 +	4	0.036291713	0.036291713
VAL6 7 +	6	0.003484442	0.003478033
VAL6 7 +	8	0.058226609	0.532659584
VAL6 7 +	10	0.031250000	0.031250000
VAL6 7 +	12	0.005329930	0.005331949
VAL6 7 +	14	-0.010500980	-0.011358984
VAL67+	16	0.002737925	0.002737925

*** It appears to be a misnomer