

P30 LM MANEUVER					
PURPOSE					
N33	HRS	+	0	0	137
TIG	MIN	+	0	0	39
	SEC	+	0	52	45
N81 LOCAL VERT	ΔVX	-	0	0	2.0
	ΔVY	+	0	0	0.0
	ΔVZ	+	0	0	0.0
N42	HA	+		NA	
	HP	+	0	0	25.5
	ΔVR	+	0	0	02.0
BT		X	X	X	0.15
FDAI INER	R	X	X	X	000
	P	X	X	X	000
N88	ΔVX				
AGS	ΔVY				
	ΔVZ				
COAS	STAR	X	X	X	X
	AZ	X	X		
	EL	X	X		

ENT PADS

REMARKS
4 JET RCS
PLUS X

MISSION NOTES

SM SEPARATION PAD

FOLLOWING MCC-7 MANEUVER THE LM TO THE FOLLOWING
FDAI ATTITUDES R= 000 P= 91.3 Yc 359

AT 138:10:00 (EI - 3 1/2 HRS) EXECUTE "PUSH" OF 0.5 FPS (41et-X)

PERFORM SM SEP,

EXECUTE "PULL" WITH 0.5 FPS (41et-X)

MISSION NOTES

ALIGNMENT PAD

		LM FOAJ		CSM COARSE ALIGN ANGLES
MOON	Y	294.9	R	185
	P	28.7	P	4.4
	R	163.2	Y	353

SUN	Y	60.6
	P	203.7
	R	1.2

POINTING DATA PLACES OPTICS (CSM) AT EACH
BODY WITH SHAFT = 0° TRUNKING = 0°

MANEUVER TO MOON ATTITUDE FIRST

MISSION NOTES

LM JETTISON PAD

BEFORE 141:40:00 (EI - 1 HOUR / LM JETT TIME)

MANEUVER THE LM TO THE FOLLOWING FDAI ATTITUDE:

R = 130 P = 125 Y = 12.4

THE CORRESPONDING CSM GIMBALS WILL BE:

R = 291 P = 196 Y = 45.0

(ASSUMES CM HAS ALIGNED TO THE ENTRY REF)

ENTRY PAD

M I D P A C						AREA
X	X	X	0	0	0	R .05G
X	X	X	1	5	2	P .05G
X	X	X	0	0	0	Y .05G
1	4	2	3	8	1	7 GET Moon HOR Spot
X	X	X	1	7	7	HP 14/1150 CK
-	0	2	1	6	6	LAT N61
-	1	6	5	3	7	LONG
X	X	X	0	6	5	MAX G
+	3	6	2	1	0	V _{400K} N60
-	0	0	6	5	0	T _{400K}
+	1	1	6	2	8	RTGO EMS
+	3	6	2	9	2	V10
1	4	2	4	0	4	0 RRT
X	X	0	0	0	0	RET .05G*
+	0	0				D _L MAX* N69
+	0	0	NA			D _L MIN*
+			NA			V _L MAX*
+			NA			V _L MIN*
X	X	X	4	0	0	D ₀
X	X	0	2	0	6	RET V _{CIRC}
X	X	0	0	1	7	RETBBO
X	X	0	3	2	8	RETEBO
X	X	0	8	1	4	RETDRO
X	X	X	X	3	3	SXTS
+	3	5	3	3	0	SFT
+	3	0	9	0	0	TRN
X	X	X				BSS 189
X	X	0	0	7	8	SPA
X	X	X	L	0	4	SXP
X	X	X	X	U	P	LIFT VECTOR

COMMENTS: USE EMS Non-Exit
Pattern

GDC ENTRY ALIGNMENT
Stars ARCTURUS
DENEBOA
R 041
P 245
Y 024

