

APRIL 16, 1969	EARTH ORBIT ENTRY UPDATE												
	X			-		X			-		AREA		
	X	X	-		•	X	X	-		•	ΔV TO		
	X	X	X			X	X	X			R 0.05G EMS		
	X	X	X			X	X	X			P 0.05G		
	X	X	X			X	X	X			Y 0.05G		
	+				•	+				•	RTGO EMS		
	+					+					VIO		
	X	X		•		X	X		•		RET 0.05G		
		0		•			0		•		LAT N61		
				•					•		LONG		
	X	X		•		X	X		•		RET 0.2G		
				•					•		DRE (55°) N66		
	R	R		/		R	R		/		BANK AN		
	X	X		•		X	X		•		RET RB		
	X	X		•		X	X		•		RETBBO		
	X	X		•		X	X		•		RETEBO		
	X	X		•		X	X		•		RETDROG		
	X	X	X			X	X	X			(90°/fps) CHART		
	X	X				X	X				DRE (90°) UPDATE		
	POST BURN												
	X	X	X			X	X	X			P 0.05G		
	+				•	+				•	RTGO EMS		
	+					+					VIO		
	X	X		•		X	X		•		RET 0.05G		
E.O. ENTRY	X	X		•		X	X		•		RET 0.2G		
				•					•		DRE ± 100 nm N66		
	R	R		/		R	R		/		BANK AN		
	X	X		•		X	X		•		RETRB		
	X	X		•		X	X		•		RETBBO		
	X	X		•		X	X		•		RETEBO		
	X	X		•		X	X		•		RETDROG TO MAIN		
	X	X		•		X	X		•				
	X	X		•		X	X		•				

EARTH ORBIT ENTRY UPDATE

AREA	XXX-X	RECOVERY AREA - FIRST 3 DIGITS DENOTES REV IN WHICH LANDING OCCURS. LAST DIGIT DENOTES RECOVERY AREA AND SUPPORT CAPABILITIES.
ΔV TO	XX.X (FPS)	ΔV DUE TO ENGINE TAILOFF
EMS		
R 0.05G	XXX (DEG)	SPACECRAFT IMU GIMBAL ANGLES
P 0.05G	XXX (DEG)	REQUIRED FOR AERODYNAMIC TRIM
Y 0.05G	XXX (DEG)	AT 0.05G.
EMS		
RTGO	XXXX.X (NM)	RANGE TO GO FROM .05G TO TARGET
VI0	XXXXX (FPS)	INERTIALVELOCITY AT .05G FOR EMS INITIALIZATION
RET 0.05G	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO .05G
N61		
LAT	\pm XX.XX (DEG)	LATITUDE OF IMPACT LANDING POINT
LONG	\pm XXX.XX (DEG)	LONGITUDE OF IMPACT LANDING POINT
N66		
RET .2G	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO .2G
DRE (55°)	\pm XXXX.X (NM)	DOWNRANGE ERROR AT .2G
BANK AN	XX/XX (DEG/DEG)	BACKUP BANK ANGLE FOR SCS ENTRY: ROLL RIGHT/ROLL LEFT
RETRB	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO REVERSE BACKUP BANK ANGLE
RETBBO	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO BEGINNING OF COMMUNICATIONS BLACKOUT
RETEBO	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO END OF COMMUNICATIONS BLACKOUT
RETDROG	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO DROGUE CHUTE DEPLOYMENT
CHART UPDATE		
90°/FPS	\pm XX	VALUES USED TO RE-PLOT BACKUP
DRE (90°)	\pm XXX	ENTRY CHART - ΔV AND DOWNRANGE ERROR (DRE) @ 90° BANK ANGLE

POST BURN

P 0.05G	XXX (DEG)	PITCH ANGLE @ ENTRY INTERFACE
EMS		
RTGO	+XXXX.X (NM)	RANGE TO GO FROM 0.05G TO TARGET FOR EMS COUNTER
VIO	+XXXXX (FPS)	INERTIAL VELOCITY @ 0.05G
RET 0.05G	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO 0.05G
RET 0.2G	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO 0.2G
DRE	±XXXX.X (NM)	DOWN RANGE ERROR
BANK AN	XX/XX (DEG/DEG)	BACKUP BANK ANGLE FOR SCS ENTRY: ROLL RIGHT/ROLL LEFT
RETRB	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO REVERSE BACKUP BANK ANGLE
RETBBO	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO BEGINNING OF COMMUNICATIONS BLACKOUT
RETEBO	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO END OF COMMUNICATIONS BLACKOUT
RETDROG	XX:XX (MIN:SEC)	TIME FROM RETROFIRE TO DROGUE CHUTE DEPLOYMENT