

Transmission durations and receiving stations

Description	Event Time	Available Receiving Stations
TLM is QPSK 1024(I)/3200(Q) kbps in Antenna Omni mode	LIFTOFF	TEL-4
MES1	MES1	TEL-4, JDMTA
PFJ	MES1 + 8	TEL-4, JDMTA
Change I Channel data rate from 1024 kbps to 256 kbps	MES1 + 140	TEL-4, JDMTA, BOSS B, TDRS 046(F6), TDRS 041(F12)
Change Omni mode to Antenna Select mode	MES1 + 336	TDRS 046(F6), TDRS 041(F12), BOSS B
Change from QPSK to BPSK mode	MES1 + 336	TDRS 046(F6), TDRS 041(F12), BOSS B
MECO1	MECO1	TDRS 046(F6), TDRS 041(F12)
End mandatory TLM I coverage period	MECO1 + 30	TDRS 046(F6), TDRS 041(F12)
Begin mandatory TLM I coverage period	SC Sep - 20	TDRS 046(F6), TDRS 041(F12), LION B
SC SEP	MECO1 + 169	TDRS 046(F6), TDRS 041(F12), LION B
End mandatory TLM I coverage period	SC Sep + 15	TDRS 046(F6), TDRS 041(F12), LION B
Switch from BPSK 256 kbps to QPSK 256(I)/3200(Q) kbps	SC Sep + 45	TDRS 046(F6), TDRS 041(F12), LION B
Begin Fast Playbacks via DAVIS	SC Sep + 60	TDRS 046(F6), TDRS 041(F12), LION B
Switch from QPSK 256(I)/3200(Q) kbps to QPSK 256(I)/200(Q) kbps	SC Sep + 356	TDRS 275(F7), REEF A
Switch from QPSK 256(I)/3200(Q) kbps to BPSK 256 kbps	MES2 - 190	TDRS 275(F7), REEF A
Begin mandatory TLM I coverage period	MES2 - 160	TDRS 275(F7), REEF A
Second Main Engine Start (MES2)	MES2	TDRS 275(F7), REEF A
Second Main Engine Cutoff (MECO2)	MECO2	TDRS 275(F7), REEF A
End mandatory TLM I coverage period	MECO2 + 30	TDRS 275(F7), REEF A
Switch from BPSK 256 kbps to QPSK 256(I)/200(Q) kbps	MECO2 + 45	TDRS 275(F7)
Begin Playbacks via DAVIS	MECO2 + 60	TDRS 275(F7)
End of Mission (Entry Interface)	~3510 MET	TDRS 275(F7)