

114TI T58

C/A Altitude = 965 km

Delivered: September 19, 2008

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2009-189T04:00:00	2009-189T04:30:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2009-189T04:30:00	C/A - 12:19:04	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 12:19:04	-09:00	VIMS	Template O	DFPW Normal	S_N_ER_3	
-09:00	-05:10	UVIS	Template X	DFPW Normal	S_N_ER_3	
-05:10	-02:20	UVIS	Template X	RADWU	S_N_ER_5A for 15 min, then S_N_ER_3	
-02:20	-01:32	VIMS		RADWU	S_N_ER_3	
		Begin Custom Period				
-01:32	-00:27	UVIS Solar Occultation	on wheels, includes turn to Occultation attitude from Waypoint	RADWU	S_N_ER_3	
-00:27	-00:26	RWA to RCS Transition		RADRCS	S_N_ER_8	set deadband to (0.5, 0.5, 0.5 mrad) for UVIS
-00:26	-00:14:30	RADAR Turn to RADAR Attitude		RADRCS	S_N_ER_8	
-00:14:30	0	RADAR SAR		RADRCS	S_N_ER_8	
2009-189T17:04:03		CLOSEST APPROACH	NEG_Z to Titan, NEG_X to Titan_SC_RAM			
0	+00:18	RADAR SAR		RADRCS	S_N_ER_8	
+00:18	+00:26	RADAR Turn to UVIS Attitude		RADRCS, then ORSRCS	S_N_ER_8	Transition to ORSRCS to end at +00:26
+00:26	+00:48	RCS to RWA Transition	UVIS Occultation during transition (UVIS rider)	DFPW Normal	S_N_ER_3	set deadband to (0.5, 0.5, 0.5 mrad) during the transition for UVIS
+00:48	+01:25	UVIS Stellar Occultation	Stellar Occultation: Eta Ursae Majoris, UVIS to return to waypoint (20 min added at end for turn time)	DFPW Normal	S_N_ER_3	
		End Custom Period				
+01:25	+02:00	VIMS		DFPW Normal	S_N_ER_3	
+02:00	+03:30	CIRS	Template S2	DFPW Normal	S_N_ER_3	
+03:30	+05:00	ISS	Template S2	DFPW Normal	S_N_ER_3	
+05:00	+09:00	ISS	Template H	DFPW Normal	S_N_ER_3	
+09:00	+12:00	CIRS	Template D2	DFPW Normal	S_N_ER_3	
+12:00	+14:00	ISS	Template D2	DFPW Normal	S_N_ER_3	
+14:00	C/A + 23:00	VIMS	Template B	DFPW Normal	S_N_ER_3	
C/A + 23:00	2009-190T16:13:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2009-190T16:13:00	2009-190T16:53:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2009-190T16:53:00	2009-191T02:53:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Rolling for 1st 6 hours of downlink
2009-191T02:53:00	2009-191T04:53:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Dual Playback for RADAR, -00:27 to +00:06