

106TI T51

C/A Altitude = 960 km

Delivered: September 08, 2008

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2009-085T10:11:00	2009-085T10:53:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to North_Pole_Dir	DFPW Normal	S_N_ER_3	
2009-085T10:53:00	C/A - 17:43:05	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 17:43:05	-14:00	CIRS	Template A	DFPW Normal	S_N_ER_3	
-14:00	-12:00	ISS	Template D2	DFPW Normal	S_N_ER_3	
-12:00	-09:00	CIRS	Template D2	DFPW Normal	S_N_ER_3	
-09:00	-05:00	ISS	Template H	DFPW Normal	S_N_ER_3	
-05:00	-02:00	VIMS	Template Y	DFPW Normal	S_N_ER_3	
		Begin Custom Period				
-02:00	-00:52	ISS		DFPW_Normal, then RSS_2_RWAF at - 01:43	S_N_ER_3	
-00:52	-00:30	RWA to RCS Transition	TBD: move transition later for ISS	RSS2RCS	S_N_ER_3	Set deadband to (0.5, 0.5, 2.0 mrad); No CDA articulation
-00:30	-00:15	VIMS	NEG_Y to Titan, NEG_X to RAM	RSS2RCS	S_N_ER_3	ISS agreed to give up polarization
-00:15	TBD	Turn to VIMS C/A attitude		RSS2RCS	S_N_ER_3	We can't be turning for long - Impact to ISS
TBD	0	VIMS	NEG_Y to Titan, NEG_X to RAM	RSS2RCS	S_N_ER_3	CIRS heating violations
2009-086T04:43:05		CLOSEST APPROACH				
0	+00:15	INMS	NEG_X to Titan SC_RAM, NEG_Y to Titan	RSS2RCS	S_N_ER_3	
+00:15	+00:23	Turn to RSS Bistatic Attitude		RSS2RCS	S_N_ER_3	
+00:23	+01:20	RSS Bistatic	XBAND to Titan; then XBAND to Earth (secondary to be determined)	RSS2RCS	S_N_ER_3	RSS agrees to not be thermally stabilized in Ka-band
+01:20	+01:28	RSS Turn to NEG_Y to Titan, NEG_X to RAM		RSS2RCS	S_N_ER_3	
+01:28	+01:52	RCS to RWA Transition		RSS_K_RWAF	S_N_ER_3	
+01:52	+05:00	CIRS	Template T	RSS_K_RWAF	S_N_ER_3	
+05:00	+09:00	CIRS	Template R, Mid-IR Limb	RSS_K_RWAF	S_N_ER_3	
		End Custom Period				
+09:00	+10:00	ISS	Template N	RSS_K_RWAF	S_N_ER_3	
+10:00	+13:00	CIRS	Template N	RSS_K_RWAF	S_N_ER_3	
+13:00	+13:30	ISS	Template M2 (stare)	RSS_K_RWAF	S_N_ER_3	
+13:30	+18:42	CIRS	Template M2	RSS_K_RWAF	S_N_ER_3	
+18:42	C/A + 19:12	ISS	Template M2 (stare)	RSS_K_RWAF	S_N_ER_3	
C/A + 19:12	2009-087T00:10:00	OD Uncertainty Dead Time		RSS_K_RWAF	S_N_ER_3	
2009-087T00:10:00	2009-087T00:50:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NEP	RSS_K_RWAF	S_N_ER_3	
2009-087T00:50:00	2009-087T09:50:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Rolling
2009-087T09:50:00	2009-087T16:50:00	Canberra 34M Array		DFPW Normal	RTE_N_SPB	Rolling, Dual Playback for VIMS, -00:30 to 00:00