

123TI T64

C/A Altitude = 955 km

Delivered: March 20, 2009

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2009-361T09:12:00	2009-361T09:52:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to SUN (turn from XBAND to Earth, NEG_X to NEP)	DFPW Normal	S_N_ER_3	Note: NEG_Y to Titan, NEG_X to SUN is safe through entire segment (even caboose) 22.8 min turn duration
2009-361T09:52:00	C/A - 14:09:35	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 14:09:35	-13:00	CIRS	Template M4	DFPW Normal	S_N_ER_3	
-13:00	-10:00	CIRS	Template N	DFPW Normal	S_N_ER_3	
-10:00	-09:00	ISS	Template N	DFPW Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template R	DFPW Normal	S_N_ER_3	
-05:00	-02:15	CIRS	Template T	RADWU	S_N_ER_5A for 15 min., then S_N_ER_3	
-02:15	-01:16	CIRS	NEG_Y to Titan, NEG_X to SUN	RADWU	S_N_ER_3	
-01:16	-01:15	RWA to RCS Transition		RADRCs	S_N_ER_3	set deadband to (0.5, 2.0, 0.5 mrad)
-01:15	-00:38	CIRS	NEG_Y to Titan, NEG_X to SUN	RADRCs	S_N_ER_3	
		Begin Custom Period				
-00:38	-00:30	Turn to RADAR attitude	NEG_Z to Titan, NEG_X to RAM	RADRCs	S_N_ER_8	Note: RADAR ok with (2.0, 2.0, 20.0 mrad) deadband if SCO desires
-00:30	-00:18	RADAR Altimetry		RADRCs	S_N_ER_8	Turn time to be provided by RADAR
-00:18	-00:12	Turn to INMS attitude	NEG_X to RAM, NEG_Z to Titan	RADRCs	S_N_ER_8	
-00:12	0	INMS	SAR will begin at C/A - 3 mins	RADRCs	S_N_ER_8	
2009-362T00:16:59		CLOSEST APPROACH	NEG_Z to Titan, NEG_X to RAM			
0	+00:18	RADAR SAR		RADRCs	S_N_ER_8	
+00:18	+00:30	RADAR Altimetry		RADRCs	S_N_ER_8	
+00:30	+00:50	RADAR High-Altitude SAR		RADRCs	S_N_ER_8	
+00:50	+00:58	Turn to VIMS attitude	NEG_Y to Titan, NEG_X to SUN	RADRCs, then ORSRCs	S_N_ER_8	Transition to ORSRCs to end at +00:58
		End Custom Period				
+00:58	+01:22	RCS to RWA Transition		DFPW Normal	S_N_ER_3	set deadband to (2.0, 2.0, 2.0 mrad) through the transition
+01:22	+02:00	VIMS		DFPW Normal	S_N_ER_3	
+02:00	+05:00	VIMS	Template Y	DFPW Normal	S_N_ER_3	
+05:00	+09:00	CIRS	Template F	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(Z)	DFPW Normal	S_N_ER_3	
C/A + 23:00	2009-362T23:32:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2009-362T23:32:00	2009-363T00:12:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 263.8/8.1	DFPW Normal	S_N_ER_3	21.1 min turn duration
2009-363T00:12:00	2009-363T09:12:00	Madrid 70M	XBAND to Earth, NEG_Y to 263.8/8.1	DFPW Normal	RTE_N_SPB	
2009-363T09:12:00	2009-363T09:52:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to SUN	DFPW Normal	S_N_ER_3	21.0 min turn duration
2009-363T09:52:00	2009-363T11:52:00	ISS	Titan cloud monitoring: ISS_NAC to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2009-363T11:52:00	2009-363T13:52:00	CAPS	Magnetosphere Boundary Pointing Campaign: POS_Y to COROT, PIC	DFPW Normal	S_N_ER_3	
2009-363T13:52:00	2009-363T15:32:00	ISS	Titan cloud monitoring: ISS_NAC to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2009-363T15:32:00	2009-363T23:32:00	CIRS	Titan long integration: CIRS_FPB to Titan, NEG_Z to NSP	DFPW Normal	S_N_ER_3	VIMS, ISS ride along with sit & stare portion of CIRS design
2009-363T23:32:00	2009-364T04:12:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to NEP	DFPW Normal	S_N_ER_3	22.2 min turn duration
2009-364T00:12:00	2009-364T04:12:00	Madrid 70M	XBAND to Earth, POS_X to NEP	DFPW Normal	RTE_N_SPB	Rolling, Dual Playback for RADAR, -00:05 to +00:18
2009-364T04:12:00	2009-364T09:12:00	Madrid 34M HEF	XBAND to Earth, POS_X to NEP	DFPW Normal	RTE_N_SPB	Rolling/SRU