

117TI_T61

C/A Altitude = 970 km

Delivered: March 17, 2009

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2009-237T00:04:00	2009-237T00:10:00	I/P Update - Beginning of S53 Sequence	XBAND to Earth, POS_X to NEP	DFPW Normal	S_N_ER_3	
2009-237T00:10:00	2009-237T00:44:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun, (-10.5, 0.0, 0.0 deg offset)	DFPW Normal	S_N_ER_3	No FR violations. 24.0 min
2009-237T00:44:00	C/A - 11:51:48	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 11:51:48	-09:00	ISS		DFPW Normal	S_N_ER_3	Replaced VIMS
-09:00	-05:10	CIRS	Template R	DFPW Normal, then RADWU at -05:25	S_N_ER_3, then S_N_ER_5A for last 15 min, at -05:25	
-05:10	-02:20	VIMS	Template Y	RADWU	S_N_ER_3	
-02:20	-01:12	RADAR	Scatterometry/Radiometry, includes turn from waypoint	RADWU	S_N_ER_8	
-01:12	-01:11	RWA to RCS Transition		RADWU	S_N_ER_3	set deadband to (2, 2, 20 mrad)
-01:11	-00:30	RADAR	High-Altitude SAR	RADRC	S_N_ER_8	
-00:30	-00:18	RADAR	Altimetry	RADRC	S_N_ER_8	
-00:18	0	RADAR	SAR over Huygens landing site/Stereo on dunes	RADRC	S_N_ER_8	
2009-237T12:51:38		CLOSEST APPROACH	NEG_Z to Titan, NEG_X to Titan_SC_RAM			(080806 ref trajectory)
0	+00:15	RADAR	SAR	RADRC	S_N_ER_8	
+00:15	+00:23	RADAR Turn Back to Waypoint	NEG_Y to Titan, NEG_X to Sun, (-10.5, 0.0, 0.0 deg offset)	RADRC, then ORSRCS	S_N_ER_8	Transition to ORSRCS to end at +00:23
+00:23	+00:44:05	RCS to RWA Transition		DFPW Normal	S_N_ER_3	set deadband to (2, 2, 20 mrad) during the transition, (necessary as per L.Burke, SCO Rep. to TOST, 12/23)
+00:44:05	+02:00	VIMS		DFPW Normal	S_N_ER_3	
+02:00	+05:00	VIMS	Template Y	DFPW Normal	S_N_ER_3	
+05:00	+08:30	VIMS	Template I	DFPW Normal	S_N_ER_3	
+08:30	+09:00	ISS	Template I	DFPW Normal	S_N_ER_3	
+09:00	+14:00	VIMS	Template V	DFPW Normal	S_N_ER_3	
+14:00	C/A + 25:00	VIMS	Template B	DFPW Normal	S_N_ER_3	
C/A + 25:00	2009-238T14:24:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2009-238T14:24:00	2009-238T15:04:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to NEP	DFPW Normal	S_N_ER_3	Turn checked as safe. 26.2 min
2009-238T15:04:00	2009-239T00:04:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Rolling
2009-239T00:04:00	2009-239T02:04:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling, Dual Playback for RADAR, -00:18 to +00:15