

201TI\_T98

C/A Altitude = 1236 km

Delivered: June 25, 2013

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2014-031T23:51:00	2014-032T00:31:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to NTP	DFPW Normal	S_N_ER_3	
2014-032T00:31:00	2014-032T04:31:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal, then RADWU at 032T04:16	S_N_ER_3, then S_N_ER_5A for 15 min at 032T04:16	
2014-032T04:31:00	2014-032T08:42:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	RADWU	S_N_ER_3	
2014-032T08:42:00	2014-032T09:42:00	ISS	ISS mosaic (TN2c, TN2d)	RADWU	S_N_ER_3	
2014-032T09:42:00	2014-032T11:42:00	RADAR	Radiometry Calibration	RADWU	S_N_ER_8	
2014-032T11:42:00	2014-032T12:42:00	ISS	ISS mosaic (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-032T12:42:00	2014-032T13:22:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 142.8/8.0	DFPW Normal	S_N_ER_3	Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2014-032T13:22:00	2014-032T14:52:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2014-032T14:52:00	2014-032T23:52:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling
2014-032T23:52:00	2014-033T00:32:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to 145.7/-14.2	DFPW Normal	S_N_ER_3	
2014-033T00:32:00	C/A-18:25:38	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-18:25:38	-14:00	CIRS	Template A3 (TC1b)	DFPW Normal	S_N_ER_3	ISS rider
-14:00	-09:00	CIRS	Template C (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
-09:00	-06:00	ISS	Template H1 (TC1a, TN1a, TN2c - could also be TC1b and/or TN1c, depending on geometry, or TN2d, depending on timing.)	RADWU	S_N_ER_5A for 15 min, then S_N_ER_3 at -08:45	
-06:00	-02:15	RADAR	Templates L + H1 (TN2c, TN2c)	RADRWA	S_N_ER_8	ISS and VIMS sleep
-02:15	-01:12	RADAR Scatterometry/Radiometry		RADRWA	S_N_ER_8	
-01:12	-00:31	RADAR High-Altitude SAR	(TC1a, TN1a, TN1b, TN2b)	RADRWA	S_N_ER_8	
-00:31	-00:30	RWA to RCS Transition		RADRCS	S_N_ER_8	Set deadband to (0.5, 0.5, 2.0 mrad)
-00:30	-00:18	RADAR Altimetry	(TN2b)	RADRCS	S_N_ER_8	
-00:18	0	RADAR SAR	(TC1a, TN1a, TN1b, TN2b)	RADRCS	S_N_ER_8	
2014-033T19:12:38		CLOSEST APPROACH	NEG_Z to Titan (TC2a)			T98 Left-look SAR: Change detection on Ontario + stereo w/T99
0	+00:18	RADAR SAR	(TC1a, TN1a, TN1b, TN2b)	RADRCS	S_N_ER_8	
+00:18	+00:35	RADAR Altimetry	(TN2b)	RADRCS	S_N_ER_8	
+00:35	+00:57	RCS to RWA Transition		RADRWA	S_N_ER_8	Set deadband to (2.0, 2.0, 20.0 mrad) through transition
+00:57	+01:18	RADAR High-Altitude SAR	(TC1a, TN1a, TN1b, TN2b)	RADRWA	S_N_ER_8	ISS and VIMS sleep
+01:18	+02:15	RADAR Scatterometry/Radiometry	(TN2c, TN1a)	RADRWA	S_N_ER_8	
+02:15	+06:00	RADAR	Templates L + R1 (TN2c, TN2c)	RADRWA	S_N_ER_8	
+06:00	+09:00	CIRS	Template R1 (TN1c or TC1b, decided in implementation)	DFPW Normal	S_N_ER_3	
+09:00	+13:00	CIRS	Template N1 (TC1b, TN1c aerosol)	DFPW Normal	S_N_ER_3	
+13:00	C/A+18:59:22	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+18:59:22	2014-034T14:27:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2014-034T14:27:00	2014-034T15:07:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 296.0/55.0	DFPW Normal	S_N_ER_3	Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2014-034T15:07:00	2014-035T01:07:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2014-035T01:07:00	2014-035T03:52:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Dual playback for RADAR, -00:18 to +00:18