

211TI T108

C/A Altitude = 970 km

Delivered: May 02, 2014

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2015-011T01:47:00	2015-011T02:27:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to 308.0/6.0	DFPW Normal	S_N_ER_3	
2015-011T02:27:00	C/A-17:06:36	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-17:06:36	-16:18	NONE		DFPW Normal	S_N_ER_3	
-16:18	-12:33	UVIS Rings PIE (Pre-Integrated Event)	UVIS Stellar Occultation: Delta Ceti (2015-011T03:30:00 - 07:15:00)	DFPW Normal	S_N_ER_3	
-12:33	-09:00	CIRS	Template C modified (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
-09:00	-05:00	CIRS	Template F (TC1b or TN1c)	DFPW Normal	S_N_ER_3	
-05:00	-02:15	VIMS	Template Y (TC1a, TN1a depending on pointing, and TN2c)	RADWU	S_N_ER_5A, for 15 min, then S_N_ER_3	RWA SLOW at -02:15
-02:15	-01:12	RADAR Scatterometry/Radiometry		RADRWA	S_N_ER_8	ISS, UVIS, VIMS off until 02:15. MIMI, RPWS sleep.
-01:12	-01:11	RWA to RCS Transition		RADRCS	S_N_ER_8	Set deadband to (0.5, 0.5, 2.0 mrad), Turn back on MAPS instruments.
-01:11	-00:30	RADAR High-Altitude SAR		RADRCS	S_N_ER_8	
-00:30	-00:18	RADAR Altimetry		RADRCS	S_N_ER_8	
-00:18	0	RADAR SAR	(TC1a, TN1a, TN1b, TN2b, TN2c little)	RADRCS	S_N_ER_8	INMS Rider
2015-011T19:48:36		CLOSEST APPROACH	NEG_Z to Titan (TC2a)			Change detection and stereo on dark lakes (N.B.: Right-look SAR fills Kraken gap)
0	+00:18	RADAR SAR	(TC1a, TN1a, TN1b, TN2b, TN2c little)	RADRCS	S_N_ER_8	INMS Rider
+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	+01:12	RCS to RWA Transition		RADRWA	S_N_ER_8	Set deadband to (2.0, 2.0, 20.0 mrad) through transition
+01:12	+02:15	RADAR Scatterometry/Radiometry		RADRWA	S_N_ER_8	ISS, UVIS, VIMS, MIMI, RPWS sleep
+02:15	+05:00	RADAR	Templates L + R1 (TN2c, TN2c)	RADRWA	S_N_ER_8	
+05:00	+09:00	CIRS	Template R1 (TN1c or TC1b, decided in implementation)	DFPW Normal	S_N_ER_3	Turn on all instruments.
+09:00	+13:00	CIRS	Template N1 (TC1b, TN1c aerosol)	DFPW Normal	S_N_ER_3	
+13:00	C/A+19:03:24	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+19:03:24	2015-012T15:07:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2015-012T15:07:00	2015-012T15:47:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	S_N_ER_3	Secondary pointing is MIMI preference
2015-012T15:47:00	2015-013T03:17:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2015-013T03:17:00	2015-013T06:17:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Dual playback for RADAR, -00:18 to +00:18
2015-013T06:17:00	2015-013T06:57:00	SP Turn to Waypoint	NEG_Z to Titan, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2015-013T06:57:00	2015-013T10:57:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2015-013T10:57:00	2015-013T14:22:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2015-013T14:22:00	2015-013T15:02:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to 314.0/33.0	DFPW Normal	S_N_ER_3	Secondary pointing is CDA preference
2015-013T15:02:00	2015-013T16:32:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2015-013T16:32:00	2015-014T19:32:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2015-013T19:32:00	2015-014T01:32:00	Canberra 34M		DFPW Normal	RTE_N_SPB	