

204TI T101

C/A Altitude = 2994 km

Delivered: September 17, 2013

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2014-136T17:01:00	2014-136T17:41:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2014-136T17:41:00	C/A-22:16:16	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-22:16:16	-18:30	CIRS	Template A (TC1b)	DFPW Normal	S_N_ER_3	
-18:30	-17:40	ISS	Template D (TC1a, TC1b, TN1a, TN2c)	DFPW Normal	S_N_ER_3	
-17:40	-17:00	SP Turn to Waypoint (UVIS Attitude: Occultation Star)	UVIS_FUV to 206.885/49.313, POS_Z to NEP (0.082, 0.0, 0.0 deg offset)	DFPW Normal	S_N_ER_3	
-17:00	-14:00	UVIS Occultation	Stellar Occultation: Eta Ursa Majoris, ingress (TN1c)	DFPW Normal	S_N_ER_3	
-14:00	-08:45	UVIS	Template X, modified (TN1c, ISS ridealong is photon WAC: TN1c and TC1a)	DFPW Normal	S_N_ER_3	
-08:45	-04:16	UVIS Occultation	Stellar Occultation: Eta Ursa Majoris, egress (TN1c)	DFPW Normal	S_N_ER_3	
-04:16	-04:15	RWA to RCS Transition		RSS2RCS	S_N_ER_3	Set deadband to (0.5, 0.5, 2.0 mrad)
-04:15	-04:05	SP Turn to Waypoint (RSS Attitude)	XBAND to Earth, NEG_Y to NSP	RSS3RCS	S_N_ER_3	
-04:05	-02:10	RSS Warm Up		RSS3RCS	S_N_ER_2	
-02:10	-00:12	RSS Bistatic	(TN1a)	RSS3RCS	S_N_ER_2	
-00:12	0	RSS Occultation	RSS Occultation Time: -00:12 to +00:25 (TN2c, TN2d)	RSS3RCS	S_N_ER_2	
2014-137T16:12:15		CLOSEST APPROACH	XBAND to EARTH (TC2a), LUB (Live Update Block)			
0	+00:25	RSS Occultation	(TN2c, TN2d)	RSS3RCS	S_N_ER_2	
+00:25	+02:10	RSS Bistatic	(TN1a)	RSS3RCS	S_N_ER_2	
+02:10	+02:23	SP Turn to Waypoint	NEG_Y to Titan, NEG_Z to Earth	RSS3RCS	S_N_ER_2	
+02:23	+02:45	RCS to RWA Transition		DFPW Normal	S_N_ER_3	Set deadband to (2.0, 2.0, 2.0) through transition
+02:45	+05:00	CIRS	Template T, modified (TN2c, surface temperature)	DFPW Normal	S_N_ER_3	
+05:00	+09:00	CIRS	Template R (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+15:53:45	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+15:53:45	2014-138T08:21:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2014-138T08:21:00	2014-138T09:01:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 296.0/39.0	DFPW Normal	S_N_ER_3	RBOT-friendly downlink, Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2014-138T09:01:00	2014-138T18:01:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2014-138T18:01:00	2014-138T22:01:00	Madrid 34M		DFPW Normal	RTE_N_SPB	Dual playback for 1st UVIS Occultation, -17:00 to -14:00
2014-138T22:01:00	2014-138T22:41:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_Z to 347.0/32.0	DFPW Normal	S_N_ER_3	RBOT-friendly waypoint
2014-138T22:41:00	2014-139T01:41:00	ISS	ISS mosaic at first, then sit and stare for CIRS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-139T01:41:00	2014-139T04:36:00	ISS	ISS mosaic at first, then sit and stare for CIRS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-139T04:36:00	2014-139T05:36:00	ISS	ISS mosaic (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-139T05:36:00	2014-139T06:16:00	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
2014-139T06:16:00	2014-139T07:46:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2014-139T07:46:00	2014-139T16:46:00	Canberra 34M		DFPW Normal	RTE_N_SPB	Rolling