

209TI T106

C/A Altitude = 1013 km

Delivered: April 17, 2014

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2014-296T06:15:00	2014-296T06:55:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2014-296T06:55:00	C/A-19:30:30	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-19:30:30	-14:00	CIRS	Template A3 (TC1b)	DFPW Normal	S_N_ER_3	ISS rider
-14:00	-12:00	ISS	Template D2 (TC1a, TC1b, TN1a, TN2c - could also use TN1c for limb haze layer, depending on geometry if along limb, or TN2d, depending on timing.)	DFPW Normal	S_N_ER_3	
-12:00	-09:00	CIRS	Template D2 (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	-03:26	VIMS	Template Y (TC1a, TN1a depending on pointing, and TN2c)	DFPW Normal	S_N_ER_3	
-03:26	-03:25	RWA to RCS Transition		RSS3RCS	S_N_ER_3	Set deadband to (0.5, 0.5, 2.0 mrad)
-03:25	-03:00	RSS Warm Up		RSS3RCS	S_N_ER_2	
-03:00	0	RSS Bistatic	(TN1a)	RSS3RCS	S_N_ER_2	
2014-297T02:40:30		CLOSEST APPROACH	XBAND to Titan (TC2a), LUB (Live Update Block)			Best Bistatic Opportunity over Lakes (Exit)
0	+02:25	RSS Bistatic	(TN1a)	RSS3RCS	S_N_ER_2	
+02:25	+02:47	RCS to RWA Transition		DFPW Normal	S_N_ER_3	Set deadband to (2.0, 2.0, 2.0 mrad) through transition
+02:47	+05:00	VIMS	Template Y (TC1a, TN1a depending on pointing, and TN2c)	DFPW Normal	S_N_ER_3	
+05:00	+09:00	VIMS	Template Q (TN1a, specular reflection of lakes-depending on geometry)	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+16:09:31	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+16:09:30	2014-297T19:05:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2014-297T19:05:00	2014-297T19:45:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn	DFPW Normal	S_N_ER_3	Secondary pointing is MIMI preference
2014-297T19:45:00	2014-298T08:00:00	Canberra 70M	XBAND to Earth, NEG_Y to Saturn	DFPW Normal	S_N_ER_3	Rolling
2014-298T08:00:00	2014-298T08:40:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_Z to NEP	DFPW Normal	S_N_ER_3	
2014-298T08:40:00	2014-298T12:40:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-298T12:40:00	2014-298T16:40:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-298T16:40:00	2014-298T18:50:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-298T18:50:00	2014-298T19:30:00	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
2014-298T19:30:00	2014-298T21:00:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2014-298T21:00:00	2014-299T06:00:00	Canberra 34M	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	S_N_ER_3	Rolling