

235TI T119

C/A Altitude = 971 km

Delivered: October 28, 2015

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2016-126T19:14:00	2016-126T19:54:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to Sun	DFPW Normal	S_N_ER_3	
2016-126T19:54:00	C/A-20:51:46	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-20:51:46	-14:00	CIRS	Template A3 (TC1b)	DFPW Normal	S_N_ER_3	ISS collaborative
-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	
-09:00	-05:00	CIRS	Template F (TC1b or TN1c)	DFPW Normal	S_N_ER_3	
		Begin Custom Period				
-05:00	-02:18	CIRS	Surface temperature map looking at polar collar. Use MIMI-preferred secondary NEG_Z to Earth (TN2c)	DFPW Normal	S_N_ER_3	
-02:18	-02:17	RWA to RCS Transition	Begin RSS Warmup	ORSRCS	S_N_ER_3	Set deadband to (0.5, 2.0, 0.5 mrad), 26 minutes for transition, 2 hours for RSS warmup
-02:17	-01:15	CIRS	Use MIMI-preferred secondary NEG_Z to Earth (TC1b)	ORSRCS, then RSS3RCS	S_N_ER_3	MIMI Collaborative from -02:00 to +02:00, ORSRCS to RSS3RCS transition duration of 5 minutes, leaving 2 hours for RSS warmup
-01:15	-00:45	CIRS	Use MIMI-preferred secondary NEG_Z to Earth (TC1b)	RSS3RCS	S_N_ER_3	
-00:45	-00:15	CIRS	Use MIMI-preferred secondary NEG_Z to Earth (TC1b)	RSS3RCS	S_N_ER_3	
-00:15	0	INMS	Use MIMI-preferred secondary NEG_Z to Earth (TN1c, MC2a)	RSS3RCS	S_N_ER_3	Set deadband to (2.0, 2.0, 2.0 mrad)
2016-127T16:54:37		CLOSEST APPROACH	(TC2a)			Mid-Latitude Occultation, LatN=57S, LatX=46N (Seasonal change, tropospheric winds, Surface tempd); Good Bistatic Opportunity over Lakes (Exit)
0	+00:08:39	INMS	Use MIMI-preferred secondary NEG_Z to Earth (TN1c, MC2a)	RSS3RCS	S_N_ER_3	
+00:08:39	+00:27	RSS Occultation	MIMI prefers NEG_X to RAM secondary (TN2c, TN2d)	RSS3RCS	S_N_ER_3	Set deadband to (0.5, 0.5, 2.0 mrad), Telemetry OFF
+00:27	+02:10	RSS Bistatic	(TN1a)	RSS3RCS	S_N_ER_3	Telemetry OFF
+02:10	+02:32	RCS to RWA Transition		DFPW Normal	S_N_ER_3	Set deadband to (2.0, 2.0, 2.0 mrad) through transition
		End Custom Period				
+02:32	+05:00	VIMS	Use MIMI-preferred secondary NEG_X to Sun 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	ISS Collaborative Rider
+09:00	+13:00	CIRS	Template N1 (TC1b, TN1c aerosol)	DFPW Normal	S_N_ER_3	
+13:00	C/A+16:24:23	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+16:24:23	2016-128T09:34:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2016-128T09:34:00	2016-128T10:14:00	SP Turn to Earth for Downlink	NEG_Z 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
2016-128T10:14:00	2016-128T19:14:00	Canberra 70M	NEG_Z to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	RTE_N_SPB	Rolling/SRU
2016-128T19:14:00	2016-128T19:54:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2016-128T19:54:00	2016-128T23:54:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-128T23:54:00	2016-129T04:04:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	RADWU	S_N_ER_5A for 1st 15 minutes, then S_N_ER_3 afterwards	
2016-129T04:04:00	2016-129T05:04:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	RADWU	S_N_ER_3	
2016-129T05:04:00	2016-129T07:04:00	RADAR	Radiometry Calibration (TN2c)	RADWU	S_N_ER_5A	
2016-129T07:04:00	2016-129T08:04:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-129T08:04:00	2016-129T08:44:00	SP Turn to Earth for Downlink	NEG_Z 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
2016-129T08:44:00	2016-129T10:14:00	Y-Bias Window	NEG_Z to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	S_N_ER_3	
2016-129T10:14:00	2016-129T19:14:00	Canberra 34M	NEG_Z to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	RTE_N_SPB	Rolling/SRU