

236TI T120

C/A Altitude = 975 km

Delivered: October 28, 2015

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2016-159T02:45:00	2016-159T03:25:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	From XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)
2016-159T03:25:00	C/A-10:26:18	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
		Begin Custom Period				
C/A-10:26:18	-09:00	CIRS	Template F extended (TC1b or TN1c)	DFPW Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template F (TC1b or TN1c)	DFPW Normal	S_N_ER_3	
-05:00	-02:30	CIRS	Template E (TN2c, surface temperature)	RADWU	S_N_ER_5A for 1st 15 minutes, then S_N_ER_3	
-02:30	-01:15	CIRS	(TN1c)	RADWU	S_N_ER_3	
-01:15	-01:14	RWA to RCS Transition		RADRCS	S_N_ER_3	Set deadband to (0.5, 2.0, 0.5 mrad)
-01:14	-00:30	CIRS	CIRS hands off to RADAR attitude	RADRCS	S_N_ER_3	
-00:30	-00:18	RADAR	(TN2b)	RADRCS	S_N_ER_8	Set deadband to (0.5, 0.5, 2.0 mrad)
-00:18	0	RADAR SAR	(TN1a, TN1b, TN2b, TN2c)	RADRCS	S_N_ER_8	
2016-159T14:06:18		CLOSEST APPROACH	NEG_Z to Titan, NEG_X to RAM (TC2a)			Global shape area 3 (substitute for T68)
0	+00:15	RADAR design for INMS	(TN1c, TC2a)	RADRCS	S_N_ER_8	RADAR rider
+00:15	+00:30	RADAR	(TN1c, TC2a)	RADRCS	S_N_ER_8	
+00:30	+00:52	RCS to RWA Transition		RADRWA	S_N_ER_8	ISS, VIMS sleep. UVIS in "no HDAC" config; no CDA articulation
+00:52	+01:37	RADAR High-Altitude SAR	(TN1a, TN1b, TN2b, TN2c)	RADRWA	S_N_ER_8	ISS, VIMS sleep.
+01:37	+02:15	RADAR Scatterometry/Radiometry	(TN1a)	RADRWA	S_N_ER_8	ISS, VIMS sleep.
		End Custom Period				
+02:15	+05:00	CIRS	Template T (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+16:58:42	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
C/A+16:58:42	2016-160T07:20:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2016-160T07:20:00	2016-160T08:00:00	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
2016-160T08:00:00	2016-160T17:00:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2016-160T17:00:00	2016-160T17:40:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NSP	DFPW Normal	S_N_ER_3	
2016-160T17:40:00	2016-160T18:40:00	ISS	(TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-160T18:40:00	2016-160T20:40:00	CIRS	(TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-160T20:40:00	2016-160T21:40:00	ISS	(TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-160T21:40:00	2016-160T22:40:00	CIRS	(TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-160T22:40:00	2016-160T23:35:00	ISS	(TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-160T23:35:00	2016-161T00:15:00	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
2016-161T00:15:00	2016-161T01:45:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2016-161T01:45:00	2016-161T10:30:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Rolling/SRU, Dual playback for RADAR, -00:18 to +00:15