

238TI T121

C/A Altitude = 976 km

Delivered: December 30, 2015

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2016-206T23:27:00	2016-207T00:07:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2016-207T00:07:00	C/A-09:42:40	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-09:42:40	-05:00	CIRS	Template F extended (TC1b or TN1c)	DFPW Normal	S_N_ER_3	
-05:00	-02:15	CIRS	Template E (TN2c)	RADWU	S_N_ER_5A for 1st 15 minutes, then S_N_ER_3	
		Begin Custom Period				
-02:15	-01:06	VIMS Stellar Occultation	Stellar Occultation: 30 Herculis (TN1c)	RADWU	S_N_ER_3	Ingress-only Occultation, from -01:20 to -00:20
-01:06	-01:05	ENGR: RADWU to RADRWA		RADRWA	S_N_ER_8	For RADAR ESS power on RADRWA: ISS/VIMS in sleep, UVIS no HDAC, CDA no articulation
-01:05	-01:04	RWA to RCS Transition		RADRCS	S_N_ER_8	
-01:04	-00:30	RADAR High-Altitude SAR	RADAR turning from VIMS attitude	RADRCS	S_N_ER_8	Set deadband to (0.5, 0.5, 2.0 mrad)
-00:30	-00:18	RADAR Altimetry	(TN2b)	RADRCS	S_N_ER_8	INMS Rider
-00:18	0	RADAR SAR	(TC1a, TN1a, TN1b, TN2b)	RADRCS	S_N_ER_8	INMS Rider
2016-207T09:58:23		CLOSEST APPROACH	NEG_Y to Titan, NEG_X to NTP			For and later - Switch filter (right-took/left-took) SAR
0	+00:18	RADAR SAR	(TC1a, TN1a, TN1b, TN2b)	RADRCS	S_N_ER_8	INMS Rider
+00:18	+00:30	RADAR Altimetry	(TN2b)	RADRCS	S_N_ER_8	INMS Rider
+00:30	+00:52	RCS to RWA Transition		RADRWA	S_N_ER_8	Set deadband to (2.0, 2.0, 2.0 mrad) through transition RADRWA: ISS/VIMS in sleep, UVIS no HDAC, CDA no articulation
+00:52	+01:37	RADAR High-Altitude SAR	(TC1a, TN1a, TN1b, TN2b)	RADRWA	S_N_ER_8	
+01:37	+02:15	RADAR Scatterometry	(TN2c, TN1a)	RADRWA	S_N_ER_8	
		End Custom Period				
+02:15	+05:00	VIMS	Template Y (TN1c)	DFPW Normal	S_N_ER_3	
+05:00	+09:00	VIMS	Template Q (TN1a)	DFPW Normal	S_N_ER_3	ISS Collaborative Rider
+09:00	+12:30	CIRS	Template N1 (TN1b, TN1c aerosol)	DFPW Normal	S_N_ER_3	
+12:30	C/A+17:33:37	CIRS	Template M4 (TC1b, TN1c on path only)	DFPW Normal	S_N_ER_3	
C/A+17:33:37	2016-208T03:47:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2016-208T03:47:00	2016-208T04:27:00	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
2016-208T04:27:00	2016-208T13:27:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling/SRU
2016-208T13:27:00	2016-208T14:07:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2016-208T14:07:00	2016-208T18:47:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-208T18:47:00	2016-208T23:17:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-208T23:17:00	2016-209T00:17:00	ISS	Cloud Monitoring Campaign (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2016-209T00:17:00	2016-209T00:57:00	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
2016-209T00:57:00	2016-209T02:27:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2016-209T02:27:00	2016-209T04:27:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Dual playback for RADAR, -00:18 to +00:18
2016-209T04:27:00	2016-209T13:27:00	Canberra 34M		DFPW Normal	RTE_N_SPB	Rolling/SRU