

222TI T113

C/A Altitude = 1036 km

Delivered: April 02, 2015

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2015-270T08:33:00	2015-270T09:13:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2015-270T09:13:00	2015-270T13:13:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal, then RADWU at 12:58	S_N_ER_3, then S_N_ER_5A for 15 min at 12:58	
2015-270T13:13:00	2015-270T18:13:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TC1a, TC1b, TN1a, TN2c, TN2d)	RADWU	S_N_ER_3	
2015-270T18:13:00	2015-270T20:13:00	RADAR	Radiometry Calibration	RADWU	S_N_ER_5A	
2015-270T20:13:00	2015-270T21:22:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2015-270T21:22:00	2015-270T22:02:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to 310.0/43.0	DFPW Normal	S_N_ER_3	Secondary pointing is CDA preference
2015-270T22:02:00	2015-270T23:32:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2015-270T23:32:00	2015-271T08:32:00	Canberra 34M		DFPW Normal	RTE_N_SPB	Rolling/SRU
2015-271T08:32:00	2015-271T09:12:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2015-271T09:12:00	C/A-12:10:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-12:10:00	-10:00	CIRS	Template C truncated (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
-10:00	-09:00	ISS	(TN1a)	DFPW Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template F (TC1b or TN1c)	RADWU	S_N_ER_5A for 15 min at -09:00, then S_N_ER_3	
		Begin Custom Period		RADWU	S_N_ER_3	
-05:00	-02:00	CIRS	Template F (TC1b or TN1c)	RADWU	S_N_ER_3	
-02:00	-01:00	VIMS	Template Z (TC2a)	RADWU	S_N_ER_3	
-01:00	-00:35	INMS	INMS to pickup from VIMS attitude (TN1c, MC2a)	RADWU	S_N_ER_8	
-00:35	-00:34	RWA to RCS Transition		RADRCS	S_N_ER_8	Set deadband to (0.5, 0.5, 2.0 mrad)
-00:34	0	RADAR	Inbound Altimetry (TN2b), SAR (TC1a, TN1a, TN1b, TN2b, TN2c)	RADRCS	S_N_ER_8	
2015-271T21:37:13		CLOSEST APPROACH	(TC2a)	RADRCS	S_N_ER_8	
-00:00	+00:15	INMS	(TN1c, MC2a)	RADRCS	S_N_ER_8	RADAR to design pointing with INMS prime
+00:15	+00:30	RADAR	Outbound Altimetry (TN2b)	RADRCS	S_N_ER_8	
+00:30	+00:52	RCS to RWA Transition		RADWU	S_N_ER_8	Set deadband to (2.0, 2.0, 20.0 mrad) through transition
+00:52	+01:37	RADAR	Outbound High-Altitude SAR (TC1a, TN1a, TN1b, TN2c)	RADWU	S_N_ER_8	
+01:37	+2:30	CIRS	(TN1c)	DFPW Normal	S_N_ER_3	
+02:30	+5:00	CIRS	(TC1b)	DFPW Normal	S_N_ER_3	
+05:00	+9:00	CIRS	(TC1b)	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+18:44:47	CIRS	Template M4 (TC1b, TN1c on outbound)	DFPW Normal	S_N_ER_3	
		End Custom Period		DFPW Normal	S_N_ER_3	
C/A+18:44:47	2015-272T16:37:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2015-272T16:37:00	2015-272T17:17:00	SP Turn to Earth for Downlink	XBAND to Earth, POS_X to 40.6/83.5	DFPW Normal	S_N_ER_3	
2015-272T17:17:00	2015-273T02:02:00	Goldstone 70M		DFPW Normal	RTE_N_SPB	Rolling/SRU, May not clear SSR-A
2015-273T02:02:00	2015-273T04:17:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Dual playback for RADAR, -00:18 to +00:15