

167TI T84

C/A Altitude = 959 km

Delivered: October 11, 2011

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2012-158T07:29:00	2012-158T08:09:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to 90.0/50.0	DFFW Normal	S_N_ER_3	
2012-158T08:09:00	C/A-15:43:21	OD Uncertainty Dead Time		DFFW Normal	S_N_ER_3	
C/A-15:43:21	-13:00	CIRS	Template M4 (TC1b)	DFFW Normal	S_N_ER_3	
-13:00	-09:00	VIMS	Template O (TN1a)	DFFW Normal	S_N_ER_3	
-09:00	-05:00	CIRS	Template R (TN1c)	DFFW Normal, then RADWU at -05:15	S_N_ER_3, then S_N_ER_5A for 15 min at -05:15	
-05:00	-02:15	CIRS	Template T (TN2c)	RADWU	S_N_ER_3	
-02:15	-01:12	RADAR Scatterometry/Radiometry	(TN1a)	RADRWA	S_N_ER_8	
-01:12	-00:31	RADAR High-Altitude SAR	(TC1a, TN1a, TN2b)	RADRWA	S_N_ER_8	
-00:31	-00:30	RWA to RCS Transition		RADRCSS	S_N_ER_8	Set deadband to (2, 2, 20 mrad)
-00:30	-00:18	RADAR Altimetry	(TN2b)	RADRCSS	S_N_ER_8	
-00:18	0	RADAR SAR	(TC1a, TN1a, TN2b, MC2a)	RADRCSS	S_N_ER_8	INMS rider
2012-159T00:07:21		CLOSEST APPROACH	NEG_Z to Titan, NEG_X to RAM			Global Shape area 1 - terra incognita + dark lineaments (T106 achieves similar)
0	+00:18	RADAR SAR	(TC1a, TN1a, TN2b, MC2a)	RADRCSS	S_N_ER_8	INMS rider
+00:18	+00:30	RADAR Altimetry	(TN2b)	RADRCSS	S_N_ER_8	
+00:30	+00:50	RADAR High-Altitude SAR	(TC1a, TN1a, TN2b)	RADRCSS	S_N_ER_8	
+00:50	+01:12	RCS to RWA Transition		RADRWA	S_N_ER_8	Set deadband to (2, 2, 20 mrad) through transition
+01:12	+02:15	RADAR Scatterometry/Radiometry	(TN1a)	RADRWA	S_N_ER_8	
+02:15	+09:00	UVIS	Template X (TN1c)	DFFW Normal	S_N_ER_3	
+09:00	+14:00	CIRS	Template C (TN1c)	DFFW Normal	S_N_ER_3	VIMS rider
+14:00	C/A+21:11:39	CIRS	Template A2 (TC1a, TC1b, TN2c, TN2d)	DFFW Normal	S_N_ER_3	ISS rider
C/A+21:11:39	2012-159T21:34:00	OD Uncertainty Dead Time		DFFW Normal	S_N_ER_3	
2012-159T21:34:00	2012-159T22:14:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to NEP	DFFW Normal	S_N_ER_3	
2012-159T22:14:00	2012-160T07:14:00	Goldstone 70M		DFFW Normal	RTE_N_SPB	Rolling
2012-160T07:14:00	2012-160T09:14:00	Canberra 70M		DFFW Normal	RTE_N_SPB	Rolling, Dual playback for RADAR, -00:18 to +00:18
2012-160T09:14:00	2012-160T09:54:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to 90.0/50.0	DFFW Normal, then RADWU at 160T09:39:00	S_N_ER_3, then S_N_ER_5A for 15 min at 160T09:39	
2012-160T09:54:00	2012-160T12:54:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	RADWU	S_N_ER_3	
2012-160T12:54:00	2012-160T16:04:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	RADWU	S_N_ER_3	
2012-160T16:04:00	2012-160T17:04:00	ISS	ISS mosaic (TN2c, TN2d)	RADWU	S_N_ER_3	
2012-160T17:04:00	2012-160T19:04:00	RADAR	Radiometry Calibration	RADWU	S_N_ER_8	
2012-160T19:04:00	2012-160T20:04:00	ISS	ISS mosaic (TN2c, TN2d)	DFFW Normal	S_N_ER_3	
2012-160T20:04:00	2012-160T20:44:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to NEP	DFFW Normal	S_N_ER_3	
2012-160T20:44:00	2012-160T22:14:00	Y-Bias Window		DFFW Normal	S_N_ER_3	
2012-160T22:14:00	2012-161T05:14:00	Goldstone 34M		DFFW Normal	RTE_N_SPB	Rolling