

172TI T86

C/A Altitude = 956 km

Delivered: February 22, 2012

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2012-270T00:16:00	2012-270T00:56:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to 115.0/-2.0	DFPW Normal	S_N_ER_3	
2012-270T00:56:00	C/A-13:24:39	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-13:24:39	-13:00	CIRS	Template N1 extended (TN1c)	DFPW Normal	S_N_ER_3	
-13:00	-09:00	CIRS	Template N1 (TN1c)	DFPW Normal	S_N_ER_3	
-09:00	-02:15	UVIS	Template X (TN1c)	RADWU	S_N_ER_5A for 15 min, then S_N_ER_3	
		Begin Custom Period				
-02:15	-00:50	CIRS	(TN1c)	RADWU	S_N_ER_3	
-00:50	-00:49	RWA to RCS Transition		RADRCs	S_N_ER_3	Set deadband to (0.5, 0.5, 0.5 mrad) for CIRS and RADAR
-00:49	-00:18	CIRS	(TN1c), CIRS hands off to INMS attitude	RADRCs	S_N_ER_3	
-00:18	0	INMS	(TC2a)	RADRCs	S_N_ER_8	RADAR rider
2012-270T14:35:39		CLOSEST APPROACH	NEG_X to RAM, NEG_Z to Titan (TC2a)			High solar activity; northern latitude; near noon
0	+00:18	INMS	(TC2a)	RADRCs	S_N_ER_8	RADAR rider minor CIRS heating possible
+00:18	+00:35	RADAR altimetry	(TN2a), RADAR hands off to CIRS attitude	RADRCs	S_N_ER_8	
+00:35	+01:15	CIRS	(TN1c)	ORSRCS	S_N_ER_3	
+01:15	+01:37	RCS to RWA Transition		DFPW Normal	S_N_ER_3	Set deadband to (2.0, 2.0, 20.0 mrad) through transition
+01:37	+02:15	CIRS	(TN1c)	DFPW Normal	S_N_ER_3	
		End Custom Period				
+02:15	+09:00	UVIS	Template X (TN1c)	DFPW Normal	S_N_ER_3	
+09:00	+14:00	CIRS	Template C (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
+14:00	C/A+28:45:21	CIRS	Template A2 (TN1c)	DFPW Normal	S_N_ER_3	ISS rider
C/A+28:45:21	2012-271T19:36:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2012-271T19:36:00	2012-271T20:16:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_X to NSP	DFPW Normal	S_N_ER_3	
2012-271T20:16:00	2012-272T07:46:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling
2012-272T07:46:00	2012-272T09:46:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Rolling, Dual playback for RADAR/INMS, -00:05 to +00:05
2012-272T09:46:00	2012-272T10:26:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2012-272T10:26:00	2012-272T14:26:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS	DFPW Normal	S_N_ER_3	
2012-272T14:26:00	2012-272T18:06:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS	DFPW Normal	S_N_ER_3	
2012-272T18:06:00	2012-272T21:06:00	ISS	ISS mosaic	DFPW Normal	S_N_ER_3	
2012-272T21:06:00	2012-272T21:46:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 293.0/25.0	DFPW Normal	S_N_ER_3	Secondary pointing is MIMI preference
2012-272T21:46:00	2012-272T23:16:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2012-272T23:16:00	2012-272T23:16:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling
2012-272T23:16:00	2012-273T06:16:00	Canberra 34M		DFPW Normal	RTE_N_SPB	Rolling/SRU