

199TI T96

C/A Altitude = 1400 km

Delivered: April 30, 2013

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2013-333T03:45:00	2013-333T04:25:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to NTP	DFPW Normal	S_N_ER_3	
2013-333T04:25:00	2013-333T08:25:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-333T08:25:00	2013-333T11:30:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-333T11:30:00	2013-333T15:30:00	CIRS Rings PIE (Pre-Integrated Event)	Rings PIE - NP50L30S19007	DFPW Normal	S_N_ER_3	
2013-333T15:30:00	2013-333T16:35:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-333T16:35:00	2013-333T17:15:00	SP Turn to Earth for Downlink	XBAND to EARTH, NEG_Y to 133.0/-5.0	DFPW Normal	S_N_ER_3	Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2013-333T17:15:00	2013-333T18:45:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2013-333T18:45:00	2013-334T03:45:00	Canberra 70M	XBAND to EARTH, NEG_Y to 133.0/-5.0	DFPW Normal	RTE_N_SPB	
2013-334T03:45:00	2013-334T04:25:00	SP Turn to Waypoint	NEG_Y to Titan, POS_X to NTP	DFPW Normal	S_N_ER_3	
2013-334T04:25:00	C/A-20:01:19	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-20:01:19	-14:00	CIRS	Template A2 (TC1b)	DFPW Normal	S_N_ER_3	ISS rider
-13:00	-09:00	CIRS	Template C (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
		Begin Custom Period				
-09:00	-05:00	ISS	Template H (TC1a, TN1a, TN2c - could also be TC1b and/or TN1c, depending on geometry, or TN2d, depending on timing.)	DFPW Normal	S_N_ER_3	
-05:00	-02:15	ISS	Template J1 (TC1a, TN1a - could also be TC1b and/or TN1c, depending on geometry, or TN2c and TN2d, depending on timing.)	DFPW Normal	S_N_ER_3	
-02:15	-01:00	ISS	(TC1a, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
-01:00	-00:30	VIMS	(TC1a, TN1a, TN1c, TC1b)	DFPW Normal	S_N_ER_3	
-00:30	0	VIMS	(TC1a, TN1a, TN1c, TC1b)	DFPW Normal	S_N_ER_3	ISS rider
2013-335T00:41:19		CLOSEST APPROACH	NEG_Y to Titan, NEG_X to COROT helps eliminate heating and rotation, use RA/DEC that's equivalent to orbit normal (TC2a)			Ontario lacus - Snail at 1 km/pixel - Western edge of Xanadu
0	+00:30	VIMS	VIMS hands off at CIRS attitude (TC1a, TN1a, TN1c, TC1b)	DFPW Normal	S_N_ER_3	ISS rider
+00:30	+02:15	CIRS	(TN1c)	DFPW Normal	S_N_ER_3	
+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	
		End Custom Period				
+09:00	+13:00	VIMS	Template O (TN1a, specular reflection of lakes-depending on geometry)	DFPW Normal	S_N_ER_3	
+13:00	C/A+13:53:41	VIMS		DFPW Normal	S_N_ER_3	
C/A+13:53:41	2013-335T14:50:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2013-335T14:50:00	2013-335T15:30:00	SP Turn to Earth for Downlink	XBAND to EARTH, NEG_Y to 295.0/53.5	DFPW Normal	S_N_ER_3	Secondary pointing is RA/DEC-equivalent of MIMI-preferred NEG_Y to Saturn with (0.0, 0.0, -9.5 deg) offset
2013-335T15:30:00	2013-335T17:00:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2013-335T17:00:00	2013-336T04:45:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling
2013-336T04:45:00	2013-336T07:15:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Rolling/SRU, Dual playback for VIMS, -00:29 to +00:30