

195TI_T93

C/A Altitude = 1400 km

Delivered: December 10, 2012

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2013-206T12:39:00	2013-206T13:19:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	From XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)
2013-206T13:19:00	C/A-22:22:23	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-22:22:23	-14:00	CIRS	Template A3 (TC1b)	DFPW Normal	S_N_ER_3	ISS rider
-14:00	-12:00	ISS	Template D2 (TC1a, TC1b, TN1a, TN2c - could also use TN1c for limb haze layer, depending on geometry if along limb, or TN2d, depending on timing.)	DFPW Normal	S_N_ER_3	
-12:00	-09:00	CIRS	Template D2 (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
-09:00	-02:15	UVIS	Template X (TN1c). ISS rider is photon WAC (TN1c and TC1a)	DFPW Normal	S_N_ER_3	
		Begin Custom Period				
-02:15	-01:00	ISS	ISS delivers to VIMS attitude at -01:00 (TC1a, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	ISS - inbound high northern leading hemisphere (VIMS N lakes > 2:00, TBD); outbound Ontario, mid-southern latitudes trailing hemisphere
-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	
2013-207T11:56:23		CLOSEST APPROACH	NEG_Y to Titan (TC2a)		S_N_ER_3	
0	+00:10	VIMS	(TC1a, TN1a, TN1c, TC1b)	DFPW Normal	S_N_ER_3	VIMS - Lakes/Mare Ligeia - pole - "NT2" (VIMS New Terrain Region #2: 60S-60N/240-300W) - Belet
+00:10	+01:00	VIMS	VIMS delivers to ISS pointing at +01:00 (TC1a, TN1a, TN1c, TC1b)	DFPW Normal	S_N_ER_3	
+01:00	+02:15	ISS	(TC1a, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
+02:15	+04:00	ISS	using a 'lit J' Template (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	
		End Custom Period				
+04:00	+05:00	CIRS	using a 'lit J' Template (TC1b or TN1c)	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	
+09:00	C/A+12:47:37	VIMS	Template O (TN1a, specular reflection of lakes- depending on geometry)	DFPW Normal	S_N_ER_3	ISS Collaborative Rider
C/A+12:47:37	2013-208T00:59:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2013-208T00:59:00	2013-208T01:39:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -45.0 deg offset)	DFPW Normal	S_N_ER_3	Secondary pointing is MIM preference with additional offset due to CIRS Heating
2013-208T01:39:00	2013-208T03:09:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2013-208T03:09:00	2013-208T12:15:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling, CAPS Collaborative Rider
2013-208T12:15:00	2013-208T14:39:00	Madrid 34M		DFPW Normal	RTE_N_SPB	Rolling, Dual playback for VIMS, -00:09 to +01:00; CARRY OVER TO NEXT DOWNLINK PASS
2013-208T14:39:00	2013-208T15:19:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2013-208T15:19:00	2013-208T19:19:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-208T19:19:00	2013-208T22:59:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-208T22:59:00	2013-209T05:59:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2013-209T05:59:00	2013-209T06:39:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -45.0 deg offset)	DFPW Normal	S_N_ER_3	Secondary pointing is MIM preference with additional offset due to CIRS Heating
2013-209T06:39:00	2013-209T08:09:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2013-209T08:09:00	2013-209T08:09:00	Canberra 34M		DFPW Normal	RTE_N_SPB	Rolling/SRU, Continue Dual Playback
2013-209T08:09:00	2013-209T11:09:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling