

**206TI T103**

C/A Altitude = 5103 km

Delivered: November 26, 2013

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2014-200T12:26:00	2014-200T13:06:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to NTP	DFPW Normal	S_N_ER_3	
2014-200T13:06:00	C/A-21:19:59	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-21:19:59	-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	-05:00	VIMS	Template I (TC1a and TN2c)	DFPW Normal	S_N_ER_3	
-05:00	-02:15	VIMS	Template Y (TC1a, TN1a depending on pointing, and TN2c)	DFPW Normal	S_N_ER_3	
-02:15	-01:40	CIRS	(TN1c)	DFPW Normal	S_N_ER_3	
-01:40	-00:45	CIRS	Template K (TN1c)	DFPW Normal	S_N_ER_3	AlpEri occultation disappeared between SM-7A and 091005 trajectories. CIRS/UVIS time swap between outbound and inbound.
-00:45	0	UVIS	Solar Occultation, Ingress: -00:25 to -00:04 (TN1c)	DFPW Normal	S_N_ER_3	
2014-201T10:40:59		<b>CLOSEST APPROACH</b>	<b>UVIS Solar Port to SUN (TC2a)</b>			
0	+00:10	UVIS	Solar Occultation (TN1c)	DFPW Normal	S_N_ER_3	
+00:10	+00:31	UVIS	Solar Occultation, Egress (TN1c)	DFPW Normal	S_N_ER_3	
+00:31	+00:50	UVIS	UVIS Limb Stare (TN1c)	DFPW Normal	S_N_ER_3	
+00:50	+03:00	UVIS	Stellar Occultation: Alpha Eridani, Ingress (TN1c)	DFPW Normal	S_N_ER_3	AlpEri surface occultation disappeared between SM-7A and 091005 trajectories. Atmospheric occultation.
+03:00	+05:00	CIRS	Template T, modified (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	
+09:00	+12:00	CIRS	Template D2 reversed (TN1c)	DFPW Normal	S_N_ER_3	VIMS rider
+12:00	C/A+15:19:01	ISS	Template D2 reversed (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	
C/A+15:19:01	2014-202T02:15:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2014-202T02:15:00	2014-202T02:55:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	S_N_ER_3	Secondary pointing is MIMI preference
2014-202T02:55:00	2014-202T04:25:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2014-202T04:25:00	2014-202T13:25:00	Canberra 70M		DFPW Normal	RTE_N_SPB	Rolling
2014-202T13:25:00	2014-202T15:25:00	Madrid 70M		DFPW Normal	RTE_N_SPB	Rolling, Dual playback for UVIS Occultation, -00:35 to +00:31
2014-202T15:25:00	2014-202T17:25:00	Earth pointed, no Downlink		DFPW Normal	S_N_ER_2	Save time for possible use in SIP for additional downlink/34m conversion
2014-202T17:25:00	2014-202T18:05:00	SP Turn to Waypoint	NEG_Y to Titan, NEG_X to 353.0/28.0	DFPW Normal	S_N_ER_3	
2014-202T18:05:00	2014-202T23:05:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2012-202T23:05:00	2012-203T04:05:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2012-203T04:05:00	2012-203T08:05:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2012-203T08:05:00	2012-203T12:05:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2012-203T12:05:00	2014-203T15:30:00	ISS	ISS mosaic at first, then sit and stare for CIRS and VIMS (TN2c, TN2d)	RADWU	S_N_ER_5A for 15 min, then S_N_ER_3	
2014-203T15:30:00	2014-203T17:30:00	RADAR	Radiometry Calibration	RADWU	S_N_ER_8	
2014-203T17:30:00	2014-203T18:30:00	ISS	ISS mosaic (TN2c, TN2d)	DFPW Normal	S_N_ER_3	
2014-203T18:30:00	2014-203T19:10:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to Saturn (0.0, 0.0, -9.5 deg offset)	DFPW Normal	S_N_ER_3	Secondary pointing is MIMI-preference
2014-203T19:10:00	2014-203T20:40:00	Y-Bias Window		DFPW Normal	S_N_ER_3	
2014-203T20:40:00	2014-204T05:40:00	Goldstone 34M		DFPW Normal	RTE_N_SPB	Rolling/SRU