

**234TI T118**

C/A Altitude = 990 km

Delivered: August 13, 2015

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2016-094T14:26:00	2016-094T15:06:00	SP Turn to Waypoint	NEG_Y to 81.283/6.35, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2016-094T15:06:00	2016-094T19:04:00	UVIS Rings PIE (Pre-Integrated Event)	UVIS Stellar Occultation with Gamma Orionis: NEG_Y to 81.283/6.35, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2016-094T19:04:00	2016-094T19:57:00	SP Turn to Waypoint	Using 2-Part Turn: NEG_Y to Titan, NEG_X to NEP	DFPW Normal	S_N_ER_3	
2016-094T19:57:00	C/A - 23:43:42	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A - 23:43:42	-14:00	CIRS	Template A2 (TC1b)	DFPW Normal	S_N_ER_3	ISS Collaborative Rider
-14:00	-09:00	CIRS	Template C (TN1c)	DFPW Normal	S_N_ER_3	
-09:00	-02:15	UVIS	Template X (TN1c, ISS ridealong is photon WAC: TN1c and TC1a)	DFPW Normal	S_N_ER_3	
-02:15	-01:15	ISS		DFPW Normal	S_N_ER_3	
		Begin Custom Period				
-01:15	-00:45	VIMS		DFPW Normal	S_N_ER_3	
-00:45	-00:30	UVIS Solar Occultation	Solar Occultation: 19:41:07 to 20:01:49 (-00:06:53 to +00:20:42) (TC1b, TC1c)	DFPW Normal	S_N_ER_3	
-00:30	-00:29	RWA to RCS Transition		ORSRCS	S_N_ER_3	Set deadband to (0.5, 0.5, 0.5 mrad)
-00:29	0	UVIS Solar Occultation	Solar Occultation: 19:41:07 to 20:01:49 (-00:06:53 to +00:20:42) (TC1b, TC1c)	ORSRCS	S_N_ER_3	INMS Rider
2016-095T19:48:00		CLOSEST APPROACH	UVIS Solar Port to SUN, NEG_X to RAM (TC2a)			Good Egress solar occultation; Ingress is opportunity to compare with INMS
0	+00:09	UVIS Solar Occultation	Solar Occultation: 19:41:07 to 20:01:49 (-00:06:53 to +00:20:42) (TC1b, TC1c)	ORSRCS	S_N_ER_3	INMS Rider
+00:09	+00:31	RCS to RWA Transition		DFPW Normal	S_N_ER_3	
+00:31	+01:05	UVIS Solar Occultation	Solar Occultation: 19:41:07 to 20:01:49 (-00:06:53 to +00:20:42) (TC1b, TC1c)	DFPW Normal	S_N_ER_3	
+01:05	+02:15	CIRS	(TN1c)	DFPW Normal	S_N_ER_3	
		End Custom Period				
+02:15	+09:00	UVIS	Template X (TN1c, ISS ridealong is photon WAC: TN1c and TC1a)	DFPW Normal	S_N_ER_3	
+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 + 16:48:18	VIMS	Template O extended (TN1a, specular reflection of lakes - depending on geometry)	DFPW Normal	S_N_ER_3	ISS Collaborative Rider
C/A + 16:48:18	2016-096T12:46:00	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
2016-096T12:46:00	2016-096T13:26:00	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
2016-096T13:26:00	2016-096T22:56:00	Canberra 70M		DFPW Normal	RTE_N_SPB	
2016-096T22:56:00	2016-097T00:56:00	Madrid 70M	Downlink extends ~4hrs beyond proposed segment boundary (negotiate with XD)	DFPW Normal	RTE_N_SPB	Dual playback for UVIS Occultation, -00:30 to +00:45