

**2021 T99**

C/A Altitude = 1500 km

Delivered: June 14, 2013

Start Time	End Time	Prime Activity	Observation Detail	Operational Mode	Telemetry Mode	Comments
2014-064T21:56:00	2014-064T22:36:00	SP Turn to Waypoint	XBAND to Earth, NEG_X to 39.483/83.428	DFPW Normal	S_N_ER_3	Secondary pointing target is RA/DEC-equivalent of NTP
2014-064T22:36:00	C/A-17:35:47	OD Uncertainty Dead Time		DFPW Normal	S_N_ER_3	
C/A-17:35:47	-14:05	ISS	(TC1a, TC1b, TN1a, TN2c, TN2d)	DFPW Normal	S_N_ER_3	
-14:05	-12:00	RSS	Warm up RSS	RSS_K_RWAF	S_N_ER_3	RSS_K_RWAF valid through May 2014
-12:00	-08:45:47	Madrid 34M, RSS	RSS Gravity (TN1b)	RSS_K_RWAF	RTE_N_SPB	CAPS Rider Downlink during RSS Gravity
-08:45:47	-01:00:47	Goldstone 34M, RSS	RSS Gravity (TN1b)	RSS_K_RWAF	RTE_N_SPB	CAPS Rider Downlink during RSS Gravity
-01:00:47	+06:59:13	Canberra 34M, RSS	RSS Gravity (TN1b)	RSS_K_RWAF	RTE_N_SPB	CAPS Rider Downlink during RSS Gravity
<b>2014-065T16:26:47</b>		<b>CLOSEST APPROACH</b>	<b>XBAND to EARTH, POS_X to NSP (TC2a)</b>			
+06:59:13	+12:00	Madrid 34M, RSS	RSS Gravity (TN1b)	RSS_K_RWAF	RTE_N_SPB	CAPS Rider Downlink during RSS Gravity
+12:00	C/A+19:19:13	CIRS	(TC1b)	RSS_K_RWAF	S_N_ER_3	
C/A+19:19:13	2014-066T12:01:00	OD Uncertainty Dead Time		RSS_K_RWAF	S_N_ER_3	
2014-066T12:01:00	2014-066T12:41:00	SP Turn to Earth for Downlink	XBAND to Earth, NEG_Y to 295.99/55.69	RSS_K_RWAF	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
2014-066T12:41:00	2014-066T21:41:00	Canberra 70M		RSS_K_RWAF	RTE_N_SPB	No Y-Bias: RSS GSE (Gravity Science Enhancement - however if needed, place Y-Bias at very end of downlink)