

Request	Riders	Start (SCET)	Start (Epoch)	Duration	End	Primary	Secondary	Comments
Sequence S91, length = 65 days		2015-264T02:48:00	2015-264T02:48:00	065T03:20:00	2015-329T06:08:00			
XD_222 Segment		2015-264T02:48:00	2015-264T02:48:00	006T05:45:00	2015-270T08:33:00			
SP_222EA_S91VP264_PRIME		2015-264T02:48:00	2015-264T02:48:00	001T00:06:00	2015-264T02:54:00	XBAND to Earth	NEG_X to 302.0/52.0	S91 IVP Gap
NEW WAYPOINT		2015-264T02:54:00	2015-264T02:54:00	002T00:09:00	2015-265T03:03:00	XBAND to Earth	NEG_X to 302.0/52.0	
RADAR_222T1_RADIONCAL132_PRIME		2015-265T03:03:00	2015-265T03:03:00	000T02:00:00	2015-270T08:33:00	NEG_Z to Titan	NEG_X to 310.0/43.0	
CDA_222DR_ISD000202_PRIME		2015-264T16:18:00	2015-264T16:18:00	000T11:54:00	2015-264T16:18:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_YGAP264_PRIME	E	2015-264T17:18:00	2015-264T17:18:00	000T01:30:00	2015-264T17:48:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_G34HEFNON264_PRIME	C	2015-264T17:48:00	2015-264T17:48:00	000T08:45:00	2015-265T02:33:00	XBAND to Earth	Rolling/SRU	CDA.NEG_X to 302/52.SRU.CIRS heating. Target is Bestia (near RA/Dec = 249/+10.6). Jettison Activity. Will be deleted if RBOT issues occur.
ISS_222OT_BESCOLO30_PRIME	U	2015-265T02:33:00	2015-265T16:18:00	000T13:45:00	2015-265T16:18:00	UVIS_FUV to Rocks (-0.082,0.0,0.0 deg_offset)	NEG_X to NEP	
SP_222EA_YGAP265_PRIME	E	2015-265T17:18:00	2015-265T17:48:00	000T01:30:00	2015-265T17:48:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_G34BWGNON265_PRIME	C, R	2015-265T17:48:00	2015-265T02:18:00	000T08:30:00	2015-266T02:18:00	XBAND to Earth	5_Hr_Rolling	CDA.NEG_X to 302/52.SRU.CIRS heating.
SP_222EA_WAYPTURN266_PRIME	I	2015-266T02:33:00	2015-266T02:33:00	000T00:30:00	2015-266T03:03:00	ISS_NAC to Saturn	POS_Z to 37.5/83.6	
NEW WAYPOINT		2015-266T03:03:00	2015-266T16:18:00	000T13:15:00	2015-266T16:18:00	ISS_NAC to Saturn	POS_Z to 37.5/83.6	
CIRS_222SA_COMPSTI003_PRIME	I, V	2015-266T03:03:00	2015-266T15:03:00	000T12:00:00	2015-266T15:03:00	CIRS_FP3 to Saturn	POS_Z to 37.5/83.6	
ISS_222OT_SATELOR8002_PRIME	I, V	2015-266T15:03:00	2015-266T15:48:00	000T00:45:00	2015-266T15:48:00	ISS_NAC to Satellites	POS_Z to 37.5/83.6	Must point within 15 deg of Saturn Center
SP_222EA_DLTURN266_PRIME		2015-266T15:48:00	2015-266T15:48:00	000T00:30:00	2015-266T16:18:00	XBAND to Earth	NEG_X to 302.0/52.0	
NEW WAYPOINT		2015-266T16:18:00	2015-266T02:48:00	000T10:30:00	2015-267T02:48:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_YGAP266_PRIME	E	2015-266T16:18:00	2015-266T16:18:00	000T01:30:00	2015-266T17:48:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_G34HEFNON266_PRIME	C	2015-266T17:48:00	2015-267T02:33:00	000T08:45:00	2015-267T02:33:00	XBAND to Earth	Rolling/SRU	CDA.NEG_X to 302/52.SRU.CIRS heating.
SP_222EA_WAYPTURN267_PRIME		2015-267T02:33:00	2015-267T02:33:00	000T00:15:00	2015-267T02:48:00	ISS_NAC to Saturn	NEG_X to 37.5/83.6	
NEW WAYPOINT		2015-267T02:48:00	2015-267T02:48:00	000T21:00:00	2015-267T23:48:00	ISS_NAC to Saturn	NEG_X to 37.5/83.6	
ISS_222TI_M90R3CLD267_PRIME	C, I, V	2015-267T02:48:00	E222_M90R3CLD267+00T00:00:00	000T01:30:00	2015-267T04:18:00	ISS_NAC to Titan	NEG_X to 37.5/83.6	No Preference to secondary pointing
VIMS_222RI_EG105PHAS001_PRIME	C, I	2015-267T04:18:00	2015-267T21:00:00	000T16:42:00	2015-267T21:00:00	VIMS_IR to Rings	NEG_X to 37.5/83.6	Must point within 15 degrees of Saturn center
ISS_222EN_MUTUALEVE001_PRIME		2015-267T21:00:00	2015-267T22:01:00	000T01:01:00	2015-267T22:01:00	ISS_NAC to Enceladus	NEG_X to 37.5/83.6	Must point within 15 deg of Saturn Center
ISS_222OT_SATELOR8003_PRIME	I, V	2015-267T22:01:00	2015-267T23:01:00	000T01:00:00	2015-267T23:01:00	ISS_NAC to Satellites	NEG_X to 37.5/83.6	Must point within 15 deg of Saturn Center
SP_222EA_DLTURN267_PRIME		2015-267T23:01:00	2015-267T23:01:00	000T00:47:00	2015-267T23:48:00	XBAND to Earth	NEG_X to 302.0/52.0	
NEW WAYPOINT		2015-267T23:48:00	2015-269T08:45:00	001T08:57:00	2015-269T08:45:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_C34HEFOT267_PRIME	C, N	2015-267T23:48:00	2015-269T08:45:00	000T09:00:00	2015-269T08:45:00	XBAND to Earth	NEG_X to 302.0/52.0	
CDA_222DR_RETROG001_PRIME		2015-268T08:45:00	2015-268T23:33:00	000T14:45:00	2015-268T23:33:00	XBAND to Earth (15.0, -15.0, 0.0 deg_offset)	4_Hr_Rolling	CDA.NEG_X to 302/52.OTP.SRU.
SP_222EA_C34HEFOT268_PRIME	C, N	2015-268T23:33:00	2015-269T08:45:00	000T09:00:00	2015-269T08:45:00	XBAND to Earth	NEG_X to 302.0/52.0	
SP_222EA_WAYPTURN269_PRIME		2015-269T08:45:00	2015-269T08:45:00	000T00:42:00	2015-269T08:45:00	ISS_NAC to Saturn	NEG_X to 37.5/83.6	CDA.same secondary as OTP pass.OTS.SRU.
NEW WAYPOINT		2015-269T08:45:00	2015-269T22:03:00	000T13:18:00	2015-269T22:03:00	ISS_NAC to Saturn	NEG_X to 37.5/83.6	
ISS_222TI_M90R2CLD269_PRIME	C, I, V	2015-269T08:45:00	E222_M90R2CLD269+00T00:00:00	000T01:30:00	2015-269T10:15:00	ISS_NAC to Titan	NEG_X to 37.5/83.6	No Preference to secondary pointing
UVIS_222SA_AURSTARE002_PRIME	C, I, V	2015-269T10:15:00	2015-269T19:50:00	000T09:25:00	2015-269T19:50:00	UVIS_FUV to Saturn	NEG_X to 37.5/83.6	Collaborative Rider(s). VIMS. Must point within 15 deg of Saturn Center
ISS_222TI_SATCAL002_PRIME		2015-269T19:50:00	2015-269T21:50:00	000T02:00:00	2015-269T21:50:00	ISS_NAC to Titan	NEG_X to 37.5/83.6	Must point within 15 deg of Saturn Center
SP_222EA_DLTURN269_PRIME		2015-269T21:50:00	2015-269T22:03:00	000T00:13:00	2015-269T22:03:00	XBAND to Earth	NEG_X to 310.0/43.0	
NEW WAYPOINT		2015-269T22:03:00	2015-270T09:13:00	000T14:10:00	2015-270T09:13:00	XBAND to Earth	NEG_X to 310.0/43.0	
SP_222EA_YGAP269_PRIME	E	2015-269T22:03:00	2015-269T23:33:00	000T01:30:00	2015-269T23:33:00	XBAND to Earth	NEG_X to 310.0/43.0	
SP_222EA_C70METNON269_PRIME	C	2015-269T23:33:00	2015-270T08:33:00	000T09:00:00	2015-270T08:33:00	XBAND to Earth	NEG_X to 310.0/43.0	CDA.NEG_X to 310/43.SRU.pre-TOST flyby.
Titan Flyby T113 Segment		2015-270T08:33:00	2015-270T08:33:00	002T19:44:00	2015-273T04:17:00			
SP_222TI_WAYPTURN270_PRIME		2015-270T08:33:00	2015-270T09:13:00	000T00:40:00	2015-270T09:13:00	NEG_Y to Titan	NEG_X to NTP	
NEW WAYPOINT		2015-270T09:13:00	2015-270T22:02:00	000T12:49:00	2015-270T22:02:00	NEG_Y to Titan	NEG_X to NTP	
ISS_222TI_CLOUD001_PRIME	V	2015-270T09:13:00	2015-270T13:13:00	000T04:00:00	2015-270T13:13:00	ISS_NAC to Titan	NEG_X to NTP	No Preference to secondary pointing
ISS_222TI_CLOUD002_PRIME	V	2015-270T13:13:00	2015-270T18:13:00	000T05:00:00	2015-270T18:13:00	ISS_NAC to Titan	NEG_X to NTP	No Preference to secondary pointing
RADAR_222TI_RADIONCAL132_PRIME		2015-270T18:13:00	2015-270T08:33:00	000T02:00:00	2015-270T08:33:00	NEG_Z to Titan	NEG_X to NTP	No Preference to secondary pointing
ISS_222TI_CLOUD003_PRIME	V	2015-270T21:22:00	2015-270T21:22:00	000T13:09:00	2015-270T21:22:00	ISS_NAC to Titan	NEG_X to NTP	No Preference to secondary pointing
SP_222EA_DLTURN270_PRIME		2015-270T21:22:00	2015-270T22:02:00	000T00:40:00	2015-270T22:02:00	XBAND to Earth	NEG_X to 310.0/43.0	
NEW WAYPOINT		2015-270T22:02:00	2015-271T09:12:00	000T11:10:00	2015-271T09:12:00	XBAND to Earth	NEG_X to 310.0/43.0	
SP_222EA_YGAP270_PRIME	E	2015-270T22:02:00	2015-270T23:32:00	000T01:30:00	2015-270T23:32:00	XBAND to Earth	NEG_X to 310.0/43.0	
SP_222EA_C34HEFNON270_PRIME		2015-270T23:32:00	2015-271T08:32:00	000T09:00:00	2015-271T08:32:00	XBAND to Earth	Rolling/SRU	CDA.NEG_X to 310/43.SRU.
SP_222TI_WAYPTURN271_PRIME		2015-271T08:32:00	2015-271T09:12:00	000T00:40:00	2015-271T09:12:00	NEG_Y to Titan	NEG_X to NTP	
NEW WAYPOINT		2015-271T09:12:00	2015-272T17:17:00	001T08:05:00	2015-272T17:17:00	NEG_Y to Titan	NEG_X to NTP	
SP_222TI_DEADTIME271_PRIME		2015-271T09:12:00	2015-271T09:26:58	000T00:14:58	2015-271T09:26:58	NEG_Y to Titan	NEG_X to NTP	
CIRS_222TI_FIRNADCM001_PRIME	I, U, V	2015-271T09:27:12	GMB_E222_TITAN_T113+000T12:10:00	000T02:10:00	2015-271T11:37:12	CIRS_FP1 to Titan	PIC	
ISS_222TI_MONITORNA001_PRIME	C, V	2015-271T11:37:12	GMB_E222_TITAN_T113+000T10:00:00	000T01:00:00	2015-271T11:37:12	ISS_NAC to Titan	NEG_X to NTP	No Preference to secondary pointing
CIRS_222TI_MIRLMBAP001_PRIME	Custom	2015-271T12:37:12	GMB_E222_TITAN_T113+000T09:00:00	000T04:00:00	2015-271T12:37:12	CIRS_FP8 to Titan	PIC	
Begin Custom		2015-271T16:37:12	GMB_E222_TITAN_T113+000T05:00:00	000T00:00:01	2015-271T16:37:12			
CIRS_222TI_FIRNADMAP001_PRIME	V	2015-271T16:37:12	GMB_E222_TITAN_T113+000T05:00:00	000T03:00:00	2015-271T19:37:12	CIRS_FP1 to Titan	PIC	Pick up at NEG_Y to Titan, NEG_X to NTP; Hand off at NEG_Y to Titan, NEG_X to NTP. Pick up at NEG_Y to Titan, NEG_X to NTP; Hand off at NEG_Y to Titan, NEG_X to NTP.
VIMS_222TI_REGMAP001_PRIME	C, I, M	2015-271T19:37:12	GMB_E222_TITAN_T113+000T02:00:00	000T01:00:00	2015-271T20:37:12	VIMS_IR to Titan	NEG_X to Titan_SC_RAM	Pick up at NEG_Y to Titan, NEG_X to Titan_SC_RAM; Hand off at NEG_X to Titan_SC_RAM, NEG_Y to Titan.
VIMS_222TI_TITAN113001_PRIME	M	2015-271T20:37:12	GMB_E222_TITAN_T113+000T01:00:00	000T00:25:00	2015-271T21:02:12	NEG_X to Titan_SC_RAM	NEG_Y to Titan	Pick up at NEG_X to Titan_SC_RAM, NEG_Y to Titan; Hand off at NEG_X to Titan_SC_RAM, NEG_Y to Titan. Deadband = (0.5, 0.5, 2.0)
ENGR_222SC_RADRCS271_PRIME	M	2015-271T21:02:12	GMB_E222_TITAN_T113+000T00:35:00	000T00:01:00	2015-271T21:03:12	NEG_X to Titan_SC_RAM	NEG_Y to Titan	Pick up at NEG_X to Titan_SC_RAM, NEG_Y to Titan; Hand off at NEG_Z to Titan, NEG_X to Titan_SC_RAM.
RADAR_222TI_T113INALT001_PRIME	M	2015-271T21:03:12	GMB_E222_TITAN_T113+000T00:34:00	000T00:16:00	2015-271T21:19:12	NEG_Z to Titan	NEG_X to Titan_SC_RAM	Pick up at NEG_Z to Titan, NEG_X to Titan_SC_RAM; Hand off at NEG_X to Titan_SC_RAM, NEG_Z to Titan. INMS ride along.
Begin Dual Playback Science		2015-271T21:19:12	GMB_E222_TITAN_T113+000T00:18:00	000T00:00:01	2015-271T21:19:12			
RADAR_222TI_T113INSAR001_PRIME	M	2015-271T21:19:12	GMB_E222_TITAN_T113+000T00:18:00	000T00:18:00	2015-271T21:37:12	NEG_Z to Titan	NEG_X to Titan_SC_RAM	Pick up at NEG_Z to Titan, NEG_X to Titan_SC_RAM; Hand off at NEG_X to Titan_SC_RAM, NEG_Z to Titan.
222TI (t) T113 TITAN inbound....		2015-271T21:37:12	2015-271T21:37:12	000T00:00:01	2015-271T21:37:12			
RADAR_222TI_T113RASAR001_PRIME	M	2015-271T21:37:12	GMB_E222_TITAN_T113+000T00:00:00	000T00:15:00	2015-271T21:52:12	NEG_X to Titan_SC_RAM	NEG_Z to Titan	Pick up at NEG_X to Titan_SC_RAM, NEG_Z to Titan; Hand off at NEG_Z to Titan, NEG_X to Titan_SC_RAM. Ride along at c/a.
End Dual Playback Science		2015-271T21:52:12	GMB_E222_TITAN_T113+000T00:15:00	000T00:00:01	2015-271T21:52:12			
RADAR_222TI_T113OTALT001_PRIME	M	2015-271T21:52:12	GMB_E222_TITAN_T113+000T00:15:00	000T00:16:00	2015-271T22:08:12	NEG_Z to Titan	NEG_X to Titan_SC_RAM	Pick up at NEG_Z to Titan, NEG_X to Titan_SC_RAM; Hand off at NEG_Z to Titan, POS_Y to NTP.
ENGR_222SC_RADRWBIAS271_PPS	M	2015-271T22:08:12	GMB_E222_TITAN_T113+000T00:31:00	000T00:22:00	2015-271T22:30:12	NEG_Z to Titan	POS_Y to NTP	Pick up at NEG_Z to Titan, POS_Y to NTP; Hand off at NEG_Z to Titan, POS_Y to NTP. Deadband=(2,2,20)
RADAR_222TI_T113OHARSAR001_PRIME	M	2015-271T22:30:12	GMB_E222_TITAN_T113+000T00:53:00	000T00:44:00	2015-271T23:14:12	NEG_Z to Titan	NEG_X to NTP	Pick up at NEG_Z to Titan, POS_Y to NTP; Hand off at NEG_Y to Titan, NEG_X to 91.0/50.0.
CIRS_222TI_FIRLMBINT002_PRIME	M, V	2015-271T23:14:12	GMB_E222_TITAN_T113+000T01:37:00	000T00:53:00	2015-272T00:07:12	CIRS_FP1 to Titan	PIC	Pick up at NEG_Y to Titan, NEG_X to 91.0/50.0; Hand off at CIRS_FP1 to Titan, PIC.
CIRS_222TI_FIRNADMAP002_PRIME	M, V	2015-272T00:07:12	GMB_E222_TITAN_T113+000T02:30:00	000T02:30:00	2015-272T02:37:12	CIRS_FP1 to Titan	PIC	Pick up at CIRS_FP1 to Titan, PIC; Hand off at CIRS_FP1 to Titan, PIC.
CIRS_222TI_MIRLMBINT002_PRIME	I, V	2015-272T02:37:12	GMB_E222_TITAN_T113+000T05:00:00	000T04:00:00	2015-272T06:37:12	CIRS_FP8 to Titan	PIC	Pick up at CIRS_FP8 to Titan, PIC; Hand off at CIRS_FP1 to Titan, PIC.
CIRS_222TI_MIRLMBINT002_PRIME	I, U, V	2015-272T06:37:12	GMB_E222_TITAN_T113+000T09:00:00	000T04:00:00	2015-272T10:37:12	CIRS_FP1 to Titan	PIC	Pick up at CIRS_FP1 to Titan, PIC; Hand off at CIRS_FP8 to Titan, PIC.
CIRS_222TI_MIDIRTMPA002_PRIME	I, U, V	2015-272T10:37:12	GMB_E222_TITAN_T113+000T13:00:00	000T05:44:46	2015-272T16:21:58	CIRS_FP8 to Titan	PIC	Pick up at CIRS_FP8 to Titan, PIC; Hand off at NEG_Y to Titan, NEG_X to NTP.
End Custom		2015-272T16:21:58	GMB_E222_TITAN_T113+000T18:44:46	000T00:00:01	2015-272T16:21:58			

SP_222T1_DEADTIME272_PRIME				2015-272116:21:58	GMB_E222_TITAN_T113+000T18:44:46	000700:15:01	2015-272116:36:59	NEG_Y to Titan		NEG_X to NTP
SP_222EA_DULTURN272_PRIME				2015-272116:37:00		000700:40:00	2015-272117:17:00	XBAND to Earth		POS_X to 40.6/83.5
<b>NEW WAYPOINT</b>				2015-272117:17:00		000711:40:00	2015-273704:57:00	XBAND to Earth		POS_X to 40.6/83.5
SP_222EA_C70METN0N272_PRIME		C, E, M		2015-273702:17:00		000708:45:00	2015-273702:02:00	XBAND to Earth		Rolling/SRU CAPS.POS_X to 40.6/83.5 (NSP) or NEP.SRU.
<b>Begin Custom Period</b>				2015-273702:02:00		000700:00:01	2015-273702:02:00			
SP_222EA_C70METN0N272_PRIME		C		2015-273702:02:00		000702:15:00	2015-273704:17:00	XBAND to Earth		POS_X to 40.6/83.5 CAPS.POS_X to 40.6/83.5 (NSP) or NEP.SRU.
SATURN_222_Segment				2015-273704:17:00		002704:00:00	2015-275708:17:00			
SP_222SA_WAYPTURN273_PRIME				2015-273704:17:00		000700:06:00	2015-273704:23:00	XBAND to Earth (0.0,0.0,-12.0 deg. offset)		POS_X to 40.6/83.5 First turn of two part turn.
SP_222SA_WAYPTURN473_PRIME				2015-273704:23:00		000700:34:00	2015-273704:57:00	ISS_NAC to Saturn		NEG_X to Sun Second turn of two part turn
<b>NEW WAYPOINT</b>				2015-273704:57:00		000717:05:00	2015-273722:02:00	ISS_NAC to Saturn		NEG_X to Sun
ISS_222SA_FEATRAK001_PRIME		C, U, V		2015-273704:57:00		000702:03:00	2015-273707:00:00	ISS_NAC to Saturn		NEG_X to Sun
<b>Begin Custom Period</b>				2015-273707:00:00		000700:00:01	2015-273707:00:01			
CIRS_222D1_DIONE001_PIE		U, V		2015-273707:00:00		000700:50:00	2015-273707:50:00	CIRS_FP3 to Dione		NEG_X to NEP Collaborative Rider(s): VIMS. Pick up at ISS_NAC to Saturn, NEG_X to Sun; Hand off at ISS_NAC to Dione, NEG_X to NEP. Collaborative Rider(s): VIMS
ISS_222D1_DIONE002_PIE		C, U, V		2015-273707:50:00		000701:30:00	2015-273709:20:00	ISS_NAC to Dione		NEG_X to NEP Collaborative Rider(s): CIRS, UVIS, VIMS. Pick up at ISS_NAC to Dione, NEG_X to NEP; Hand off at ISS_NAC to 321.0/-3.7, NEG_X to NEP. Collaborative Rider(s): CIRS, UVIS, VIMS. 2 min dwells. Set S/C at inertial hand-off position 20 min before request end.
CIRS_222D1_DIONE003_PIE		M, U, V		2015-273709:20:00		000701:51:00	2015-273711:11:00	CIRS_FP3 to Dione		NEG_X to NEP Collaborative Rider(s): VIMS. Pick up at ISS_NAC to 321.0/-3.7, NEG_X to NEP; Hand off at ISS_NAC to Saturn, NEG_X to Sun. Collaborative Rider(s): VIMS
<b>End Custom Period</b>				2015-273711:10:59		000700:00:01	2015-273711:11:00			
VIMS_222SA_DELOPHOCC001_PRIME		M		2015-273711:11:00		000702:54:00	2015-273715:25:00	VIMS_IR to 243.586/-3.694		NEG_X to Sun
VIMS_222SA_STORMLAT001_PRIME		C, U		2015-273715:31:00		000702:44:00	2015-273715:31:00	VIMS_IR to 0.49/-6.014		NEG_X to NSP
VIMS_222R1_30PSOCC101_PIE		M		2015-273715:25:00		000700:00:01	2015-273716:17:18			
Periapse R = 2.899 Rs, lat ...				2015-273716:17:17		000703:13:00	2015-273721:22:00	CIRS_FP8 to Saturn		NEG_X to Sun
CIRS_222SA_LIMBINT001_PRIME		M, V		2015-273718:09:00		000700:40:00	2015-274708:32:00	ISS_NAC to Saturn		NEG_X to NSP Rollng
SP_222EA_DULTURN273_PRIME				2015-273721:22:00		000700:00:00	2015-274709:12:00	XBAND to Earth		NEG_X to NSP
<b>NEW WAYPOINT</b>				2015-273722:02:00		000701:30:00	2015-273722:02:00	XBAND to Earth		NEG_X to NSP
SP_222EA_YGAP273_PRIME		E		2015-273722:02:00		000709:00:00	2015-274708:32:00	ISS_NAC to Saturn		NEG_X to NSP
SP_222EA_C70METN0N273_PRIME		C, E		2015-274708:32:00		000703:00:00	2015-274709:12:00	ISS_NAC to Saturn		NEG_X to NSP
SP_222SA_WAYPTURN274_PRIME				2015-274709:12:00		000714:05:00	2015-274723:17:00	ISS_NAC to Saturn		NEG_X to NSP
UVIS_222ST_ZETAORI001_PIE				2015-274709:12:00		000701:07:00	2015-274710:19:00	UVIS_FUV to 84.05/-1.202		POS_Z to 174.9/-33.0
UVIS_222SA_EUVFUV001_PRIME		C, I, V		2015-274710:19:00		000704:41:00	2015-274715:00:00	ISS_NAC to Saturn		PIC
UVIS_222ST_ZETAORI002_PIE				2015-274715:00:00		000702:13:00	2015-274717:13:00	UVIS_FUV to 84.05/-1.202		POS_Z to 174.9/-33.0
VIMS_222SA_GLOBALMAP001_PRIME		C		2015-274717:13:00		000705:24:00	2015-274722:37:00	ISS_NAC to Saturn		NEG_X to NSP
SP_222EA_DULTURN274_PRIME				2015-274722:37:00		000700:40:00	2015-274723:17:00	XBAND to Earth		NEG_X to 40.6/83.5
<b>NEW WAYPOINT</b>				2015-274723:17:00		000709:18:00	2015-275708:35:00	XBAND to Earth		NEG_X to 40.6/83.5
SP_222EA_C70METOTP274_PRIME		C, N		2015-275708:17:00		000709:00:00	2015-275708:17:00	XBAND to Earth		NEG_X to 40.6/83.5
XD_222_273_Segment				2015-275708:17:00		011709:14:00	2015-286711:31:00			4_Hr_Rolling NEG_X to 40.6/83.5 (NSP). 4 Hr rolling
SP_222SA_WAYPTURN275_PRIME				2015-275708:17:00		000700:18:00	2015-275708:35:00	ISS_NAC to Saturn		NEG_X to 35.8/83.8
<b>NEW WAYPOINT</b>				2015-275708:35:00		000714:42:00	2015-275723:17:00	ISS_NAC to Saturn		NEG_X to 35.8/83.8
MAG_222SU_CALROLL001_PRIME		I, M, U, V		2015-275708:35:00		000708:00:00	2015-275716:35:00	NEG_X to Earth (0.0,0.0,-30.0 deg. offset)		Rolling
ISS_222R1_HPLE001_PRIME		I, M, V		2015-275716:35:00		000706:25:00	2015-275723:00:00	ISS_NAC to Rings		NEG_X to 35.8/83.8
SP_222EA_DULTURN275_PRIME		M		2015-275723:00:00		000700:12:00	2015-275723:17:00	XBAND to Earth		NEG_X to 40.6/83.5
<b>NEW WAYPOINT</b>				2015-275723:17:00		001224:15:00	2015-276721:32:00	XBAND to Earth		NEG_X to 40.6/83.5
SP_222EA_C34HEFOT8275_PRIME		C, M, N		2015-276721:32:00		000713:00:00	2015-276721:17:00	CIRS_FP1 to Saturn		NEG_X to 35.8/83.8
CIRS_222SA_FIRM002_PRIME		M, V		2015-276721:17:00		000700:15:00	2015-276721:32:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_DULTURN276_PRIME		M, V		2015-276721:17:00		000700:15:00	2015-276721:32:00	XBAND to Earth		NEG_X to 297.0/56.0
<b>NEW WAYPOINT</b>				2015-276721:32:00		002710:58:00	2015-279708:30:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_YGAP276_PRIME		E, M		2015-276721:32:00		000701:30:00	2015-276723:02:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_C34HEFNON276_PRIME		C, M		2015-276723:02:00		000709:00:00	2015-277708:02:00	XBAND to Earth		NEG_X to 297.0/56.0
<b>CDA_222DR_ISD0083003_PRIME</b>		M		2015-277708:02:00		000713:30:00	2015-277721:32:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_YGAP277_PRIME		E		2015-277721:32:00		000701:30:00	2015-277723:02:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_C34BWGNON277_PRIME		C, R		2015-277723:02:00		000715:00:00	2015-278723:02:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
UVIS_222SA_MOS222AP0004_PRIME				2015-278723:02:00		000709:00:00	2015-279708:02:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_C34HEFOT8278_PRIME		C, N		2015-279708:02:00		000700:28:00	2015-279708:30:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
SP_222SA_WAYPTURN279_PRIME		I		2015-279708:02:00		000714:32:00	2015-279723:02:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
<b>NEW WAYPOINT</b>				2015-279708:30:00		000712:30:00	2015-279721:00:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
UVIS_222SA_MOS222AP0005_PRIME		I, M, V		2015-279708:30:00		000701:30:00	2015-279722:30:00	ISS_NAC to Satellites		POS_Z to 35.8/83.8
NAV_222SK_OPNAV791_PRIME		M		2015-279721:00:00		000700:32:00	2015-279723:02:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_DULTURN279_PRIME				2015-279723:02:00		000709:00:00	2015-280708:02:00	XBAND to Earth		NEG_X to 297.0/56.0
<b>NEW WAYPOINT</b>				2015-279723:02:00		001109:28:00	2015-281708:30:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_222EA_C70METOT8279_PRIME		C, M, N		2015-280708:02:00		000713:29:00	2015-280721:31:00	ISS_NAC to Saturn		4_Hr_Rolling POS_Z to 35.8/83.8
UVIS_222SA_MOS222AP0006_PRIME		M		2015-280708:02:00		000700:00:01	2015-280715:12:03			Must point within 15 deg of Saturn Center
Apoapse Per = 13.9 d, inc ...				2015-280715:12:02		000701:30:00	2015-280723:01:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_223EA_YGAP280_PRIME		E, M		2015-280723:01:00		000709:00:00	2015-281708:01:00	XBAND to Earth		Rolling/SRU
SP_223EA_C34BWGNON280_PRIME		C, M, R		2015-281708:01:00		000700:29:00	2015-281708:30:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
SP_223SA_WAYPTURN281_PRIME		M		2015-281708:30:00		000712:46:00	2015-281721:16:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
<b>NEW WAYPOINT</b>				2015-281708:30:00		000713:00:00	2015-282708:16:00	ISS_NAC to Titan		POS_Z to 35.8/83.8
ISS_223T1_M90R3CLD281_PRIME		C, I, M, V		2015-281708:00:00	E223_M90R3CLD281+000T00:00:00	000701:30:00	2015-281700:00:00	ISS_NAC to Titan		POS_Z to 35.8/83.8
UVIS_223SA_MOS222AP0007_PRIME		I, M, V		2015-281710:00:00		000714:50:00	2015-281720:46:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
SP_223EA_DULTURN281_PRIME		M		2015-281720:46:00		000709:00:00	2015-281721:16:00	XBAND to Earth		NEG_X to 297.0/56.0
<b>NEW WAYPOINT</b>				2015-281721:16:00		000711:00:00	2015-282708:16:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_223EA_YGAP281_PRIME		E, M		2015-281721:16:00		000701:30:00	2015-281722:46:00	XBAND to Earth		NEG_X to 297.0/56.0
SP_223EA_C34HEFNON281_PRIME		C, M		2015-281722:46:00		000709:00:00	2015-282707:46:00	XBAND to Earth		Rolling/SRU
SP_223SA_WAYPTURN282_PRIME		M		2015-282707:46:00		000700:30:00	2015-282708:16:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
<b>NEW WAYPOINT</b>				2015-282708:16:00		000713:00:00	2015-282721:16:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
ISS_223T1_M90R3CLD282_PRIME		C, I, M, V		2015-282708:16:00	E223_M90R3CLD282+000T00:00:00	000701:30:00	2015-282709:46:00	ISS_NAC to Titan		POS_Z to 35.8/83.8
UVIS_223SA_MOS222AP0008_PRIME		I, M, V		2015-282709:46:00		000711:00:00	2015-282720:46:00	ISS_NAC to Saturn		POS_Z to 35.8/83.8
SP_223EA_DULTURN282_PRIME				2015-282720:46:00		000709:00:00	2015-282721:16:00	XBAND to Earth		NEG_X to 311.0/43.0
<b>NEW WAYPOINT</b>				2015-282721:16:00		000710:44:00	2015-284708:00:00	XBAND to Earth		NEG_X to 311.0/43.0
SP_223EA_YGAP282_PRIME		E		2015-282721:16:00		000701:30:00	2015-282722:46:00	XBAND to Earth		NEG_X to 311.0/43.0
SP_223EA_C34HEFNON282_PRIME		C		2015-282722:46:00		000709:00:00	2015-283722:46:00	XBAND to Earth		Rolling/SRU
<b>CDA_223DR_ISD0083002_PRIME</b>		M		2015-283722:46:00		000715:00:00	2015-283722:46:00	XBAND to Earth		NEG_X to 311.0/43.0
SP_223EA_C34BWGOT823_PRIME		C, N		2015-283722:46:00		000709:00:00	2015-284707:46:00	XBAND to Earth		4_Hr_Rolling
SP_223SA_WAYPTURN284_PRIME				2015-284707:46:00		000700:14:00	2015-284708:00:00	ISS_NAC to Saturn		NEG_X to 35.8/83.8
<b>NEW WAYPOINT</b>				2015-284708:00:00		000703:35:00	2015-284711:35:00	ISS_NAC to Saturn		NEG_X to 35.8/83.8

ISS_2231I_M60R2CLD284_PRIME	C, I, V	2015-284T08:00:00	E223_M60R2CLD284+000T00:00:00	000701:30:00	2015-284T09:30:00	ISS_NAC to Titan	NEG_X to 35.8/83.8	No Preference to secondary pointing	
ISS_2230T_SATELLOR8004_PRIME		2015-284T09:30:00		000700:30:00	2015-284T10:08:00	ISS_NAC to Satellites	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center	
ISS_2233RH_MUTUALAVE001_PRIME	I, V	2015-284T10:08:00		000701:11:00	2015-284T11:19:00	ISS_NAC to Rhea	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center	
SP_2236A_DLTURN284_PRIME		2015-284T11:19:00		000700:16:00	2015-284T11:25:00	XBAND to Earth	NEG_X to 311.0/43.0		
NEW WAYPOINT									
CDA_223DR_RETROGR002_PRIME		2015-284T11:35:00		000720:26:00	2015-285T08:01:00	XBAND to Earth	NEG_X to 311.0/43.0		
SP_223EA_C34HEFOTB284_PRIME	C, E, N	2015-284T22:46:00		000711:11:00	2015-284T22:46:00	XBAND to Earth (12.5,-12.5,10.0 deg. offset)	NEG_Y to 299.4/11.1		
SP_2235A_WAYPTURN285_PRIME		2015-285T07:46:00		000709:00:00	2015-285T07:46:00	XBAND to Earth	4_Hr_Rolling	CDA.same secondary as OTP.pass.OTB.SRU.	
NEW WAYPOINT		2015-285T08:01:00		000700:15:00	2015-285T08:01:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
ISS_2230T_SATELLOR8005_PRIME	I, V	2015-285T08:01:00		000723:45:00	2015-286T07:46:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
VIMS_223RI_EG80PHASE001_PRIME	C, I	2015-285T09:01:00		000701:23:00	2015-285T09:01:00	ISS_NAC to Satellites	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center	
VIMS_2235A_56LEOCC001_PRIME		2015-285T09:01:00		000710:23:00	2015-285T19:24:00	VIMS_IR to Rings	NEG_X to 35.8/83.8	Must point within 15 degrees of Saturn center	
VIMS_223RI_EG80PHASE002_PRIME		2015-285T19:24:00		000701:20:00	2015-285T20:44:00	VIMS_IR to 164.006/6.185	NEG_X to 35.8/83.8		
SP_223EA_DLTURN286_PRIME	C, I	2015-285T20:44:00		000710:47:00	2015-286T07:31:00	VIMS_IR to Rings	NEG_X to 35.8/83.8	Must point within 15 degrees of Saturn center	
NEW WAYPOINT		2015-286T07:31:00		000700:15:00	2015-286T07:46:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_YGAP286_PRIME	E	2015-286T07:46:00		000710:00:00	2015-286T17:46:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_M70METN0N286_PRIME	C	2015-286T09:16:00		000701:30:00	2015-286T09:16:00	XBAND to Earth	NEG_X to NEP		
Enceladus Flyby E20 Segment		2015-286T17:31:00		000708:15:00	2015-286T17:31:00	XBAND to Earth	NEG_X to NEP	NEG_X to NEP. SRU. pre-SOST flyby.	
SP_2235A_WAYPTURN286_PRIME		2015-286T17:31:00		002T14:00:00	2015-289T07:31:00		NEG_X to NSP	"Waypoint bad at 10:39-10:44, enceladus in SRU"	
NEW WAYPOINT		2015-286T17:46:00		000700:15:00	2015-286T17:46:00	ISS_NAC to Saturn	NEG_X to NSP		
ISS_2230T_HATPOLAD27_PRIME	M	2015-286T17:46:00		001T01:00:00	2015-287T18:46:00	ISS_NAC to Saturn	NEG_X to NSP		
CIRS_223DI_DIONE001_PRIME	I, M, U, V	2015-287T01:10:00		000705:24:00	2015-287T01:10:00	UVIS_FUV to Rocks	NEG_X to NEP		
CIRS_223DI_DIONE001_PRIME		2015-287T01:10:00		000705:50:00	2015-287T07:00:00	CIRS_FP3 to Dione	NEG_X to NSP		
Begin Custom									
ISS_223EN_ENCEL001_PIE	C, M, U, V	2015-287T07:00:00		000700:00:01	2015-287T07:00:01			Collaborative Rider(s): CIRS, UVIS. Pick up at ISS_NAC to Saturn, NEG_X to NSP; Hand off at ISS_NAC to Enceladus, NEG_X to NSP. Collaborative Rider(s): CIRS, UVIS	
223EN (I) E20 ENCELADUS In...		2015-287T10:41:30		000700:00:01	2015-287T10:41:31				
CDA_223DR_PALLENE001_PRIME	M, V	2015-287T13:15:00		000703:40:00	2015-287T16:55:00	ISS_NAC to Enceladus (20.0,-40.0,-10.0 deg. offset)	NEG_X to NSP	Pick up at ISS_NAC to Enceladus, NEG_X to NSP; Hand off at NEG_Y to Enceladus (20.0,-40.0,-10.0 deg. offset), NEG_X to NSP.	
Periapse R = 2.903 R_s, lat ...		2015-287T14:06:02		000700:00:01	2015-287T14:06:03				
ISS_223EN_PLUJL001_PIE	C, M, U, V	2015-287T16:55:00		000701:15:00	2015-287T18:10:00	ISS_NAC to Enceladus	NEG_X to NSP	Pick up at NEG_Y to Enceladus (20.0,-40.0,-10.0 deg. offset), NEG_X to NSP; Hand off at ISS_NAC to Saturn, NEG_X to NSP.	
End Custom									
SP_223EA_DLTURN287_PRIME	M	2015-287T18:10:00		000700:00:01	2015-287T18:10:01				
NEW WAYPOINT		2015-287T18:10:00		000700:36:00	2015-287T18:46:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_YGAP287_PRIME	E, M	2015-287T18:46:00		000712:05:00	2015-288T06:51:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_G34BWGNON287_PRIME	E, M	2015-287T18:46:00		000701:30:00	2015-287T20:16:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_C70METN0N287_PRIME	C, M	2015-287T20:16:00		000702:15:00	2015-287T22:31:00	XBAND to Earth	NEG_X to NEP		
SP_223EA_C70METN0N287_PRIME		2015-287T22:31:00		000708:00:00	2015-288T06:31:00	XBAND to Earth	Rolling	MIMI	
SP_2230T_WAYPTURN288_PRIME		2015-288T06:31:00		000709:20:00	2015-288T06:31:00	ISS_NAC to 84.05/-1.202	POS_Z to 174.9/33.0		
NEW WAYPOINT		2015-288T06:51:00		000709:00:00	2015-288T16:10:00	ISS_NAC to 84.05/-1.202	POS_Z to 174.9/33.0		
UVIS_223ST_ZETACR001_PIE		2015-288T06:51:00		000701:27:00	2015-288T08:18:00	UVIS_FUV to 84.05/-1.202	POS_Z to 174.9/33.0		
ISS_223EN_PLUJL002_PIE	C, U, V	2015-288T08:18:00		000707:12:00	2015-288T15:30:00	ISS_NAC to Enceladus	NEG_X to NSP		
SP_223EA_DLTURN288_PRIME		2015-288T15:30:00		000700:40:00	2015-288T16:10:00	XBAND to Earth	NEG_X to 165.0/3.5	MIMI	
NEW WAYPOINT		2015-288T16:10:00		000715:40:00	2015-289T07:50:00	XBAND to Earth	NEG_X to 165.0/3.5		
ISS_2230T_HATPOLB028_PRIME	V	2015-288T16:10:00		000704:51:00	2015-288T21:01:00	UVIS_FUV to Rocks	NEG_Z to Sun		
SP_223EA_YGAP288_PRIME	E	2015-288T21:01:00		000701:30:00	2015-288T22:31:00	XBAND to Earth	NEG_X to 165.0/3.5		
SP_223EA_C70METN0N288_PRIME	C	2015-288T22:31:00		000709:00:00	2015-289T07:31:00	XBAND to Earth	Rolling		
XO_223_224 Segment		2015-289T07:31:00		011T16:59:00	2015-301T00:30:00				
SP_2235A_WAYPTURN289_PRIME		2015-289T07:31:00		000700:19:00	2015-289T07:50:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
NEW WAYPOINT		2015-289T07:50:00		001T06:55:00	2015-290T14:45:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
UVIS_223SA_RADPROF002_PRIME	M	2015-289T07:50:00		000701:40:00	2015-289T09:30:00	ISS_NAC to Saturn (0.0,45.0,0.0 deg. offset)	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center	
UVIS_223SA_AURSTARE001_PRIME	C, I, M, V	2015-289T09:30:00		001T04:50:00	2015-290T14:20:00	UVIS_FUV to Saturn	NEG_X to 35.8/83.8	Collaborative Rider(s): VIMS. Must point within 15 deg of Saturn Center	
SP_223EA_DLTURN290_PRIME	M	2015-290T14:20:00		000700:25:00	2015-290T14:45:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
NEW WAYPOINT		2015-290T14:45:00		000710:30:00	2015-291T01:15:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
SP_223EA_YGAP290_PRIME	E, M	2015-290T14:45:00		000701:30:00	2015-290T16:15:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
SP_223EA_C70METN0N290_PRIME	C, M	2015-290T16:15:00		000708:45:00	2015-291T01:00:00	XBAND to Earth	NEG_Y to 150.5/-1.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.	
SP_2235A_WAYPTURN291_PRIME	M	2015-291T01:00:00		000700:15:00	2015-291T01:15:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
NEW WAYPOINT		2015-291T01:15:00		000710:45:00	2015-291T12:00:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8		
ISS_223TE_MUTUALVE001_PRIME	I, M, V	2015-291T01:15:00		000701:00:00	2015-291T02:15:00	ISS_NAC to Tethys	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center	
MAG_223SU_CALROLL001_PRIME	I, M, U, V	2015-291T02:15:00		000708:30:00	2015-291T10:15:00	NEG_X to Earth (0.0,0.0,-30.0 deg. offset)	Rolling		
NAV_223SK_OPNAV911_PRIME		2015-291T10:15:00		000701:30:00	2015-291T11:45:00	ISS_NAC to Satellites	NEG_X to 35.8/83.8	No Preference to secondary pointing. Starts at waypoint, ends at same waypoint	
SP_223EA_DLTURN291_PRIME		2015-291T11:45:00		000700:15:00	2015-291T12:00:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
NEW WAYPOINT		2015-291T12:00:00		002T20:10:00	2015-294T08:10:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
SP_223EA_YGAP291_PRIME	E, M	2015-291T14:45:00		000701:30:00	2015-291T16:15:00	XBAND to Earth	NEG_Y to 150.5/-1.0		
SP_223EA_C34HEFN0N291_PRIME	C, E, M	2015-291T16:15:00		000708:30:00	2015-292T00:45:00	XBAND to Earth	NEG_Y to 150.5/-1.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.	
CIRS_223SA_MIRTMAP001_PRIME		2015-292T00:45:00		000721:30:00	2015-292T22:15:00	CIRS_FP3 to Saturn	POS_Z to 35.8/83.8		
SP_223EA_C34HEFOTP292_PRIME	C, M, N	2015-292T22:15:00		000709:00:00	2015-293T07:15:00	XBAND to Earth	4_Hr_Rolling	MIMI.NEG_Y to 150.5/-1.0.OTP.SRU.	
MIMI_223CO_LLACORPTG001_PRIME	M	2015-293T07:15:00		000709:00:00	2015-293T17:15:00	XBAND to Earth	Rolling/SRU		
MIMI_223CO_LLACORPTG002_PRIME	M	2015-293T18:15:00		000703:45:00	2015-293T22:00:00	XBAND to Earth	Rolling/SRU		
SP_223EA_C34HEFOTB293_PRIME	C, M, N	2015-293T22:00:00		000709:00:00	2015-294T07:00:00	XBAND to Earth	4_Hr_Rolling	MIMI.same secondary as OTP.pass.OTB.SRU.	
SP_223EA_DLTURN294_PRIME	M	2015-294T08:00:00		000700:10:00	2015-294T08:10:00	XBAND to Earth	NEG_Y to 154.4/6.5		
NEW WAYPOINT		2015-294T08:10:00		002T23:00:00	2015-297T07:40:00	XBAND to Earth	NEG_Y to 154.4/6.5		
MIMI_223CO_LLACORPTG003_PRIME	M	2015-294T08:10:00		000709:00:00	2015-294T12:10:00	XBAND to Earth	Rolling/SRU		
Approach Peri = 13.94 R_s		2015-294T12:10:00		000700:00:01	2015-294T13:00:58				
SP_224EA_YGAP294_PRIME	E, M, R	2015-294T20:30:00		000701:30:00	2015-294T22:00:00	XBAND to Earth	NEG_Y to 154.4/6.5		
SP_224EA_C34BWGNON294_PRIME	C, M, R	2015-294T22:00:00		000709:00:00	2015-295T07:00:00	XBAND to Earth	3_Hr_Delayed_Rolling	MIMI.NEG_Y to 154.4/6.5.SRU.	
MIMI_224CO_LLACORPTG001_PRIME	M	2015-295T08:00:00		000709:00:00	2015-295T17:00:00	XBAND to Earth	Rolling/SRU		
SP_224EA_YGAP295_PRIME	E, M	2015-295T20:30:00		000701:30:00	2015-295T22:00:00	XBAND to Earth	NEG_Y to 154.4/6.5		
SP_224EA_C34HEFN0N295_PRIME	C, M	2015-295T22:00:00		000709:00:00	2015-296T07:00:00	XBAND to Earth	Rolling/SRU	MIMI.NEG_Y to 154.4/6.5.SRU.	
CDA_224DR_RETROGR001_PRIME	M	2015-296T07:00:00		000713:30:00	2015-296T20:30:00	XBAND to Earth (-14.0,-14.0,30.0 deg. offset)	NEG_Y to 299.4/11.1		
SP_224EA_YGAP296_PRIME	E, M	2015-296T20:30:00		000701:30:00	2015-296T22:00:00	XBAND to Earth	NEG_Y to 154.4/6.5		
SP_224EA_C34HEFN0N296_PRIME	C, M	2015-296T22:00:00		000709:00:00	2015-297T07:00:00	XBAND to Earth	Rolling/SRU	MIMI.NEG_Y to 154.4/6.5.SRU.	
SP_2245A_WAYPTURN297_PRIME	M	2015-297T07:00:00		000700:40:00	2015-297T07:40:00	ISS_NAC to Saturn	POS_Z to 35.8/83.8		
NEW WAYPOINT		2015-297T07:40:00		000714:20:00	2015-297T22:00:00	ISS_NAC to Saturn	POS_Z to 35.8/83.8		
ISS_224TI_M90R3CLD297_PRIME	C, I, M, V	2015-297T07:40:00	E224_M90R3CLD297+000T00:00:00	000701:30:00	2015-297T09:10:00	ISS_NAC to Titan	POS_Z to 35.8/83.8	No Preference to secondary pointing	
CIRS_2245A_COMPST002_PRIME	I, M, V	2015-297T09:10:00		000712:00:00	2015-297T21:10:00	CIRS_FP3 to Saturn	POS_Z to 35.8/83.8		
SP_224EA_DLTURN297_PRIME		2015-297T21:10:00		000700:50:00	2015-297T22:00:00	XBAND to Earth	NEG_Y to 156.5/13.8		
NEW WAYPOINT		2015-297T22:00:00		001T09:25:00	2015-299T07:25:00	XBAND to Earth	NEG_Y to 156.5/13.8		
SP_224EA_C34BWGOTP297_PRIME	C, N	2015-297T22:00:00		001T09:00:00	2015-298T07:00:00	XBAND to Earth	4_Hr_Rolling	MIMI.NEG_Y to 156.5/13.8.OTP.SRU.	

ISS_2240T_SKAPOLA073_PRIME		2015-298707:00:00	000714:45:00	2015-298721:45:00	UVIS_FUV to Rocks	NEG_Z to Earth	Target is Skathi (near RA/Dec = 327/-32).
SP_224EA_C34HEFOTB298_PRIME	C, E, N	2015-298721:45:00	000709:45:00	2015-299706:45:00	XBAND to Earth	4_Hr_Rolling	MIMI.same secondary as OTP pass.OTB.SRU.
SP_224EA_WAYPTTURN299_PRIME		2015-299706:45:00	000700:45:00	2015-299707:25:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8	
<b>NEW WAYPOINT</b>							
ISS_224T1_M60R2CLD299_PRIME	C, I, V	2015-299707:25:00	000708:35:00	2015-299711:00:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8	
ISS_2240T_SATELORB005_PRIME		2015-299708:55:00	000701:30:00	2015-299709:55:00	ISS_NAC to Titan	NEG_X to 35.8/83.8	No Preference to secondary pointing
SP_224EA_DILTURN299_PRIME		2015-299709:55:00	000701:00:00	2015-299711:00:00	XBAND to Earth	NEG_Y to 156.5/13.8	Must point within 15 deg of Saturn Center
<b>NEW WAYPOINT</b>							
ISS_2240T_SKAPOLB073_PRIME		2015-299711:00:00	000713:30:00	2015-300700:30:00	XBAND to Earth	NEG_Y to 156.5/13.8	
ISS_2240T_SAPOLB073_PRIME		2015-299711:00:00	000703:15:00	2015-299714:15:00	UVIS_FUV to Rocks	NEG_Z to Earth	Target is Skathi (near RA/Dec = 326/-31).
SP_224EA_YGAP299_PRIME	E	2015-299714:15:00	000701:30:00	2015-299715:45:00	XBAND to Earth	NEG_Y to 156.5/13.8	
SP_224EA_G34HEFNON299_PRIME	C	2015-299715:45:00	000708:30:00	2015-299700:15:00	XBAND to Earth	Rolling/SRU	MIMI.NEG_Y to 156.5/13.8.SRU.
SP_224EA_WAYPTTURN300_PRIME	C	2015-300700:15:00	000700:15:00	2015-300700:30:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8	
<b>NEW WAYPOINT</b>							
ISS_2240T_SATELORB006_PRIME	I, V	2015-300700:30:00	000711:40:00	2015-300711:40:00	ISS_NAC to Saturn	NEG_X to 35.8/83.8	
ISS_2240T_SATELORB006_PRIME	I, V	2015-300700:30:00	000701:30:00	2015-300701:30:00	ISS_NAC to Satellites	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center
ISS_224IA_MUTUALLEVE001_PRIME	I, V	2015-300701:30:00	000701:30:00	2015-300702:30:00	ISS_NAC to Titan	NEG_X to 35.8/83.8	Must point within 15 deg of Saturn Center
ISS_224T1_M60R2CLD300_PRIME	C, V	2015-300702:30:00	000701:30:00	2015-300704:00:00	ISS_NAC to Janus	NEG_X to 35.8/83.8	No Preference to secondary pointing
CIRS_224DI_COMPGLBL001_PRIME	C, I, V	2015-300704:00:00	000705:00:00	2015-300709:00:00	CIRS_FP1 to Dione	NEG_X to 35.8/83.8	No Preference to secondary pointing
VIMS_224ST_56LEOCAL001_PRIME		2015-300709:00:00	000702:00:00	2015-300711:00:00	VIMS_IR to 164.006/6.185	NEG_X to 35.8/83.8	Must point within 15 degrees of Saturn center
SP_224EA_DILTURN300_PRIME		2015-300711:00:00	000700:40:00	2015-300711:40:00	XBAND to Earth	NEG_X to NSP	
<b>NEW WAYPOINT</b>							
ISS_224EA_YGAP300_PRIME	E	2015-300711:40:00	000713:30:00	2015-301011:00:00	XBAND to Earth	NEG_X to NSP	
SP_224EA_G70METNON300_PRIME	C, M	2015-300715:45:00	000708:45:00	2015-301000:30:00	XBAND to Earth	NEG_X to NSP	
Enceladus Flyby E21 Segment		2015-301000:30:00	027206:15:00	2015-303006:45:00		NEG_X to NSP	CAPS.NEG_X to NSP or NEP.SRU.pre-SOST flyby.
SP_224EN_WAYPTTURN301_PRIME	M	2015-301000:30:00	000700:40:00	2015-301001:10:00	ISS_NAC to Enceladus	NEG_X to NEP	cannot be at waypoint during c/a due to RWA CMT. possible SRU issue with turn.
<b>NEW WAYPOINT</b>							
ISS_2240T_BESPOLA061_PRIME	M, V	2015-301011:10:00	000720:35:00	2015-301011:10:00	ISS_NAC to Enceladus	NEG_X to NEP	
CDA_224DR_DUST002_PRIME	M	2015-301016:10:00	000705:00:00	2015-301011:10:00	NEG_Z to Sun (0.0,0.0,30.0 deg. offset)	NEG_X to NEP	
ISS_224EN_ENCEL001_PRIME	C, M, U, V	2015-30111:10:00	000702:20:00	2015-30113:30:00	ISS_NAC to Enceladus	NEG_X to NEP	Collaborative Rider(s): CIRS
Periapse R = 2.903 Rs, lat ...		2015-30111:55:50	000700:00:00	2015-30111:55:50			
<b>Collaborative Rider(s): CDA, CIRS, Collaborative. NEGX to SCRAM for closest approach only. Remainder of observation will be at NEGX to COROT ram or within 40 degrees of COROT ram due to heating. Waiver needed for CIRS/VIMS heating.</b>							
NIMS_224EN_ENCEL21001_PIE	C, I, M, U, V	2015-30113:30:00	000704:00:00	2015-30113:30:00	NEG_X to SC_RAM	NEG_Y to 88.4/34.6	
224EN (I) E21 ENCLADUS Ou...		2015-30115:22:44	000700:00:01	2015-30115:22:44			
CDA_224DR_DUST002_PRIME	M, V	2015-30117:30:00	000702:30:00	2015-30120:00:00	NEG_Z to Sun (0.0,0.0,30.0 deg. offset)	NEG_X to Dust_RAM	
ISS_224EN_PLUMED01_PIE	M, U, V	2015-30120:00:00	000701:09:00	2015-30121:09:00	ISS_NAC to Enceladus	NEG_X to NSP	
SP_224EA_DILTURN301_PRIME	M	2015-30121:09:00	000700:36:00	2015-30121:45:00	XBAND to Earth	POS_X to NEP	
<b>NEW WAYPOINT</b>							
SP_224EA_C70METOTP301_PRIME	C, E, M, N	2015-30121:45:00	000709:40:00	2015-30207:25:00	XBAND to Earth	POS_X to NEP	
SP_224EA_C34HEFOTB301_PRIME	C, N	2015-30207:25:00	000706:30:00	2015-30206:45:00	XBAND to Earth	Rolling	POS_X to NEP.same secondary as OTP pass.OTB.
SP_224ST_WAYPTTURN302_PRIME		2015-30206:45:00	000700:40:00	2015-30207:25:00	ISS_NAC to 84.05/-1.202	POS_Z to 174.9/-33.0	same as UVIS attitude, but with ISS_NAC instead of UVIS_FUV
<b>NEW WAYPOINT</b>							
ISS_224EN_PLMHPMR001_PRIME	U, V	2015-30207:25:00	000705:45:00	2015-30213:10:00	ISS_NAC to 84.05/-1.202	POS_Z to 174.9/-33.0	
UVIS_224ST_ZETAOR001_PIE	V	2015-30210:00:00	000702:45:00	2015-30212:45:00	UVIS_FUV to 84.05/-1.202	NEG_X to NSP	
SP_224EA_DILTURN302_PRIME		2015-30212:45:00	000700:25:00	2015-30213:10:00	XBAND to Earth	POS_X to NEP	
<b>NEW WAYPOINT</b>							
ISS_2240T_BESPOLB070_PRIME	V	2015-30213:10:00	000718:15:00	2015-30307:25:00	XBAND to Earth	POS_X to NEP	
SP_224EA_C70METON302_PRIME	C, N	2015-30213:45:00	000708:35:00	2015-30271:45:00	UVIS_FUV to Rocks	NEG_Z to Sun	
MAG_224_Z25 Segment		2015-30306:45:00	012723:14:00	2015-316705:59:00	XBAND to Earth	Rolling	POS_X to NEP.same secondary as OTP pass.OTB.
SP_224EA_WAYPTTURN303_PRIME		2015-30306:45:00	000700:40:00	2015-30307:25:00	XBAND to Earth	NEG_X to NSP	
<b>NEW WAYPOINT</b>							
UVIS_224SA_AURSTARE001_PRIME	C, V	2015-30307:25:00	004717:14:00	2015-308700:39:00	XBAND to Earth	NEG_X to NSP	
NAV_224SK_OPNAV031_PRIME		2015-30318:43:00	000711:18:00	2015-303718:43:00	UVIS_FUV to Saturn	POS_Z to NSP	Collaborative Rider(s): VIMS
SP_224EA_YGAP303_PRIME	E	2015-30320:13:00	000701:17:00	2015-30321:30:00	XBAND to Earth	NEG_X to NSP	No Preference to secondary pointing. Starts at waypoint, ends at same waypoint
SP_224EA_C34HEFNON303_PRIME	C, E	2015-30321:30:00	000709:00:00	2015-30406:30:00	XBAND to Earth	Rolling	MAPS/CAPS.update during integration.
ISS_224T1_M180R2H204_PRIME	C, V	2015-30406:30:00	000701:30:00	2015-30408:00:00	ISS_NAC to Titan	NEG_X to NSP	No Preference to secondary pointing
UVIS_224SA_AURSTARE002_PRIME	C, V	2015-30408:00:00	000711:59:00	2015-30419:59:00	UVIS_FUV to Saturn	POS_Z to NSP	Collaborative Rider(s): VIMS
SP_224EA_YGAP304_PRIME	E	2015-30419:59:00	000701:30:00	2015-30421:29:00	XBAND to Earth	NEG_X to NSP	
SP_224EA_C70METNON304_PRIME	C	2015-30421:29:00	000709:00:00	2015-30506:29:00	XBAND to Earth	4_Hr_Rolling	MAPS/CAPS.update during integration.SRU.YBIASCAL.4 Hr rolling okay
MAG_224SU_CALROLL001_PRIME	U	2015-30506:29:00	000708:00:00	2015-30514:29:00	NEG_X to Earth (0.0,0.0,-30.0 deg. offset)	Rolling	
ISS_224T1_M180R2HZ305_PRIME	C, V	2015-30514:29:00	000701:30:00	2015-30515:59:00	ISS_NAC to Titan	NEG_X to NSP	No Preference to secondary pointing
CDA_224DR_ISD0085003_PRIME		2015-30515:59:00	000714:30:00	2015-306706:29:00	XBAND to Earth (0.0,0.0,35.0 deg. offset)	POS_X to Saturn	
SP_224EA_YGAP306_PRIME	E	2015-306706:29:00	000701:30:00	2015-306707:59:00	XBAND to Earth	NEG_X to NSP	
SP_224EA_M70METNON306_PRIME	C	2015-306707:59:00	000708:15:00	2015-306716:14:00	XBAND to Earth	Rolling/SRU	MAPS/CAPS.update during integration.SRU.
CDA_224DR_ISD0085004_PRIME		2015-30711:44:00	000721:45:00	2015-30713:59:00	XBAND to Earth (0.0,0.0,35.0 deg. offset)	POS_X to Saturn	
SP_224EA_YGAP307_PRIME	E	2015-30713:59:00	000701:30:00	2015-30715:29:00	XBAND to Earth	NEG_X to NSP	
SP_224EA_G34HEFNON307_PRIME	C	2015-30715:29:00	000708:30:00	2015-30723:59:00	XBAND to Earth	Rolling/SRU	MAPS/CAPS.update during integration.SRU.
SP_224EA_WAYPTTURN307_PRIME		2015-30723:59:00	000700:40:00	2015-308700:39:00	XBAND to Earth	NEG_Y to 135.6/1.0	
<b>NEW WAYPOINT</b>							
ISS_2240T_HATPOL014_PRIME		2015-308700:39:00	000706:40:00	2015-308707:19:00	UVIS_FUV to Rocks	NEG_X to NEP	Jetission activity (violates 2-of-3 rule). Team-internal hand-off: Pick-up at WP, hand-off at Hati.
ISS_2240T_HIJPOL014_PRIME	M	2015-308707:19:00	000714:40:00	2015-308721:29:00	UVIS_FUV to Rocks	NEG_Z to Sun	Team-internal hand-off: Pick-up at Hati, hand-off at WP.
Apoapsis Per = 13.9 d, Inc ...		2015-308710:42:26	000700:00:01	2015-308710:42:26			
SP_225EA_G34HWGOTB309_PRIME	C, M, N	2015-308721:29:00	000709:00:00	2015-309706:29:00	XBAND to Earth	4_Hr_Rolling	MAPS/CAPS.update during integration.OTP.
UVIS_225SA_AURLEW001_PRIME	C, M, V	2015-309706:29:00	000714:45:00	2015-309721:14:00	UVIS_FUV to Saturn	POS_Z to NSP	Collaborative Rider(s): VIMS
SP_225EA_C34HEFOTB309_PRIME	C, N	2015-309721:14:00	000709:00:00	2015-310706:14:00	XBAND to Earth	4_Hr_Rolling	MAPS/CAPS.same secondary as OTP pass.OTB.SRU.
SP_225EA_WAYPTTURN310_PRIME		2015-310706:14:00	000700:40:00	2015-310706:54:00	XBAND to Earth	NEG_Y to 152.7/2.8	
<b>NEW WAYPOINT</b>							
UVIS_225SA_AURLEW002_PRIME	C, V	2015-310706:54:00	003714:05:00	2015-313720:59:00	XBAND to Earth	NEG_Y to 152.7/2.8	
SP_225EA_YGAP310_PRIME	E, M	2015-310713:44:00	000706:50:00	2015-310713:44:00	UVIS_FUV to Saturn	POS_Z to NSP	Collaborative Rider(s): VIMS
SP_225EA_G34HWGNON310_PRIME	C, M, R	2015-310715:29:00	000701:30:00	2015-310723:29:00	XBAND to Earth	NEG_Y to 152.7/2.8	
UVIS_225SA_AURLEW003_PRIME	C, M, V	2015-310723:44:00	000708:00:00	2015-311713:44:00	UVIS_FUV to Saturn	POS_Z to NSP	MAPS/CAPS.update during integration.SRU.
SP_225EA_YGAP311_PRIME	E	2015-311713:44:00	000701:30:00	2015-311715:14:00	XBAND to Earth	NEG_Y to 152.7/2.8	Collaborative Rider(s): VIMS
SP_225EA_G70METNON311_PRIME	C	2015-311715:14:00	000708:30:00	2015-311723:44:00	XBAND to Earth	Rolling/SRU	MAPS/CAPS.update during integration.SRU.
UVIS_225SA_EUVFV001_PRIME	C, I	2015-311723:44:00	000713:45:00	2015-312713:29:00	ISS_NAC to Saturn	NEG_X to Sun	
SP_225EA_YGAP312_PRIME	E	2015-312713:29:00	000701:30:00	2015-312714:59:00	XBAND to Earth	NEG_Y to 152.7/2.8	
SP_225EA_G34HEFNON312_PRIME	C	2015-312714:59:00	000708:30:00	2015-312723:29:00	XBAND to Earth	Rolling/SRU	MAPS/CAPS.update during integration.SRU.
CIRS_225SA_COMPST004_PRIME		2015-312723:29:00	000721:15:00	2015-313720:44:00	CIRS_FP1 to Saturn	POS_Z to NSP	SON left limb Ring Rain study
SP_225EA_WAYPTTURN313_PRIME		2015-313720:44:00	000700:45:00	2015-313720:59:00	XBAND to Earth	POS_Y to NSP	

NEW WAYPOINT										
SP_225EA_C34HEFOT313_PRIME	C, N	2015-313720:59:00		002709:44:00	2015-316706:43:00	XBAND to Earth		POS_Y to NSP		
MIMI_225SA_IMAGROLL001_PRIME		2015-314705:59:00		000709:00:00	2015-314705:59:00	XBAND to Earth		4_Hr_Rolling	MAPS/CAPS_POS_X to 40.6/83.5 (NSP) or NEP.OTP.SRU.	
NEW WAYPOINT										
CDA_225DR_QPCPGND03_PIE		2015-314717:23:00		000711:35:00	2015-314717:23:00	XBAND to Earth		Rolling		
SP_225EA_C70METSET0314_PRIME	C, E, N	2015-314720:59:00		000709:00:00	2015-314720:59:00	XBAND to Earth (0.0,0.0,10.0 deg. offset)		NEG_X to Saturn		
Begin custom period										
CDA_225DR_QPCPGND01_PIE		2015-315705:59:00		000700:00:01	2015-315705:59:01	XBAND to Earth		4_Hr_Rolling	MAPS/CAPS.same secondary as OTP.pass.OTB.SRU.	
NEW WAYPOINT										
VIMS_225RI_30PSOCC102_PIE	M	2015-315708:36:00		000702:50:00	2015-315711:26:00	VIMS_IR to 0.49/-6.014 (0.0,-6.0,0.0 deg. offset)		NEG_X to 287.6/70.3		
Periapse R = 2.898 Rs, lat ...										
CDA_225DR_PALLEN001_PIE	M	2015-315711:26:00		000701:35:00	2015-315713:01:00	VIMS_IR to 0.49/-6.014		NEG_X to 287.6/70.3		Pick up at VIMS_IR to 0.49/-6.014, NEG_X to 287.6/70.3; Hand off at VIMS_IR to 0.49/-6.014, NEG_X to 287.6/70.3.
CDA_225DR_QPCPGND02_PIE	M	2015-315713:01:00		000706:28:00	2015-315719:29:00	VIMS_IR to Saturn (10.0,20.0,10.0 deg. offset)		NEG_X to NSP		Collaborative Rider(s): CDA. Pick up at VIMS_IR to 0.49/-6.014, NEG_X to 287.6/70.3; Hand off at VIMS_IR to 0.49/-6.014, NEG_X to 287.6/70.3. Collaborative Rider(s): CDA
End Custom Period										
SP_225EA_YGAP315_PRIME	E	2015-315719:29:00		000701:30:00	2015-315720:59:00	XBAND to Earth		POS_Y to NSP		
SP_225EA_C70METNON315_PRIME	C, E	2015-315720:59:00		000709:00:00	2015-316705:59:00	XBAND to Earth		Rolling	MAPS/CAPS.NEG_X to 40.6/83.5 (NSP) or NEP.	
Titan Flyby T114 Segment										
SP_225TI_WAYPTTURN316_PRIME		2015-316705:59:00		000700:33:00	2015-316706:32:00	NEG_Y to Titan		POS_X to 300.0/-50.0		
SP_225TI_WAYPTTURN316_PRIME		2015-316706:32:00		000700:11:00	2015-316706:43:00	NEG_Y to Titan		NEG_X to NSP		
NEW WAYPOINT										
SP_225TI_DEADTIME316_PRIME		2015-316706:43:00		000700:10:59	2015-316706:53:59	NEG_Y to Titan		NEG_X to NSP		
CIRS_225TI_MIDIRMAP001_PRIME	I, V	2015-316706:53:59	GMB_E225_TITAN_T114-000272:52:32	000708:52:32	2015-316705:46:31	CIRS_FP8 to Titan		PIC	Collaborative Rider(s): ISS. Template A2: CIRS-ISS	
VIMS_225TI_GLOBMAP001_PRIME	C, I	2015-316715:46:31	GMB_E225_TITAN_T114-000174:00:00	000705:00:00	2015-316720:46:31	VIMS_IR to Titan		NEG_X to NSP	Collaborative Rider(s): ISS. No Preference to secondary pointing	
CIRS_225TI_MIRMLBMAP001_PRIME	V	2015-316720:46:31	GMB_E225_TITAN_T114-000070:00:00	000704:00:00	2015-317700:46:31	CIRS_FP8 to Titan		PIC		
VIMS_225TI_REGMAP001_PRIME	C, I	2015-317700:46:31	GMB_E225_TITAN_T114-000075:00:00	000702:45:00	2015-317703:31:31	VIMS_IR to Titan		NEG_X to NSP	No Preference to secondary pointing	No Preference to secondary pointing. Waypoint CIRS Secondary if possible
NEW WAYPOINT										
ISS_225TI_HIRES001_PRIME	C, M, V	2015-317703:31:31	GMB_E225_TITAN_T114-000102:15:00	000702:30:00	2015-317706:01:31	ISS_NAC to Titan		NEG_X to NSP	hand off at waypoint	
225TI (I) T114 TITAN Outbound...										
CIRS_225TI_FIRLMBAR002_PRIME	M, V	2015-317706:01:31	GMB_E225_TITAN_T114+000700:15:00	000701:05:00	2015-317707:06:31	CIRS_FP1 to Titan		PIC		
CIRS_225TI_FIRLMBINT002_PRIME	M, V	2015-317707:06:31	GMB_E225_TITAN_T114+000701:20:00	000700:55:00	2015-317708:01:31	CIRS_FP1 to Titan		PIC		
UVIS_225TI_EUVFUV001_PRIME	C, I, V	2015-317708:01:31	GMB_E225_TITAN_T114+000702:15:00	000706:45:00	2015-317714:46:31	UVIS_FUV to Titan		NEG_X to NTP		
VIMS_225TI_GLOBMAP002_PRIME	C, I	2015-317714:46:31	GMB_E225_TITAN_T114+000709:00:00	000701:47:28	2015-317716:33:59	VIMS_IR to Titan		NEG_X to NSP	No Preference to secondary pointing	
SP_225TI_DEADTIME317_PRIME		2015-317716:33:59	GMB_E225_TITAN_T114+000710:47:28	000700:15:00	2015-317716:48:59	NEG_Y to Saturn		NEG_X to Saturn		
SP_225EA_DTLTURN317_PRIME		2015-317717:29:00		000714:11:00	2015-318708:10:00	XBAND to Earth (0.0,0.0,9.5 deg. offset)		NEG_Y to Saturn		
NEW WAYPOINT										
SP_225EA_YGAP317_PRIME	E	2015-317717:29:00		000702:00:00	2015-317719:29:00	XBAND to Earth (0.0,0.0,9.5 deg. offset)		NEG_Y to Saturn		
SP_225EA_C70METSEQ317_PRIME	C, M	2015-317719:29:00		000712:00:00	2015-318707:29:00	XBAND to Earth (0.0,0.0,9.5 deg. offset)		Rolling	MIMI.NEG_Y to Saturn (0.0,-9.5).	
XD_225_226 Segment		2015-318707:29:00		008721:45:00	2015-327705:14:00					
SP_225EA_WAYPTTURN318_PRIME		2015-318707:29:00		000700:41:00	2015-318708:10:00	NEG_Z to Titan		NEG_X to 41.1/84.9		
NEW WAYPOINT										
VIMS_225SU_SOLARPORT001_PRIME		2015-318708:10:00		000711:04:00	2015-318719:14:00	NEG_Z to Titan		NEG_X to 41.1/84.9		
RADAR_225TI_RADIOCAL02Z_PRIME	M	2015-318716:30:00		000705:20:00	2015-318713:30:00	VIMS_IR_SOL to Sun		NEG_X to 41.1/84.9		
SP_225EA_DTLTURN318_PRIME	M	2015-318716:30:00		000702:00:00	2015-318716:30:00	NEG_Z to Titan		NEG_X to 41.1/84.9		
NEW WAYPOINT										
SP_225EA_YGAP318_PRIME	E, M	2015-318719:14:00		000701:30:00	2015-318720:44:00	XBAND to Earth		NEG_X to 320.0/34.0		
SP_225EA_C34HEFSEQ318_PRIME	C, M	2015-318720:44:00		000709:00:00	2015-319705:44:00	XBAND to Earth		NEG_X to 320.0/34.0	No Roll due to AAC2 of 3 Rule. Secondary chosen for CDA.	
SP_225EA_WAYPTTURN319_PRIME	I, M	2015-319705:44:00		000700:36:00	2015-319706:20:00	ISS_NAC to Saturn		POS_Z to 41.1/84.9		
NEW WAYPOINT										
NAV_225SK_OPNAV191_PRIME	M	2015-319706:20:00		000701:30:00	2015-319707:50:00	ISS_NAC to Satellites		POS_Z to 41.1/84.9	No Preference to secondary pointing. Starts at waypoint, ends at same waypoint	
CIRS_225SA_COMPSIT001_PRIME	I, M, V	2015-319707:50:00		000712:00:00	2015-319719:50:00	CIRS_FP3 to Saturn		POS_Z to 41.1/84.9		
SP_225EA_DTLTURN319_PRIME	M	2015-319719:50:00		000700:39:00	2015-319720:29:00	XBAND to Earth		NEG_X to 320.0/34.0		
NEW WAYPOINT										
SP_225EA_C34HEFOT319_PRIME	C, N	2015-319720:29:00		000709:00:00	2015-320705:29:00	XBAND to Earth		NEG_X to 320.0/34.0		
CDA_225DR_RETROGR001_PRIME	M	2015-320705:29:00		000715:00:00	2015-320720:29:00	XBAND to Earth (10.0,-15.0,40.0 deg. offset)		NEG_Y to NSP		
SP_225EA_C34HEFBT320_PRIME	C, M, N	2015-320720:29:00		000709:00:00	2015-321705:29:00	XBAND to Earth		4_Hr_Rolling	CDA.NEG_X to 320/34.OTP.SRU.	
SP_225EA_WAYPTTURN321_PRIME	M	2015-321705:29:00		000700:21:00	2015-321705:50:00	ISS_NAC to Saturn		NEG_X to 41.1/84.9		
NEW WAYPOINT										
ISS_225TI_M150R2H2321_PRIME	C, I, M, V	2015-321705:50:00	E225_M150R2H2321+000700:00:00	000701:30:00	2015-321707:20:00	ISS_NAC to Titan		NEG_X to 41.1/84.9	No Preference to secondary pointing	
ISS_225RE_ERNGVERT001_PRIME	C, I, M, V	2015-321707:20:00		000718:00:00	2015-322701:20:00	ISS_NAC to Rings		NEG_X to 41.1/84.9	Must point within 15 deg of Saturn Center	
Adoptive Per = 12.7 d, inc ...		2015-321718:22:27		000700:00:01	2015-321718:22:28					
ISS_226OT_SATELLOR001_PRIME		2015-322701:20:00		000701:00:00	2015-322702:20:00	ISS_NAC to Satellites		NEG_X to 41.1/84.9	Must point within 15 deg of Saturn Center	
SP_226EA_DTLTURN322_PRIME		2015-322702:20:00		000700:20:00	2015-322702:40:00	XBAND to Earth		NEG_X to 320.0/34.0		
NEW WAYPOINT										
ISS_226OT_BESPOL096_PRIME	M	2015-322702:40:00		004716:04:00	2015-326718:44:00	XBAND to Earth		NEG_X to 320.0/34.0		
SP_226EA_YGAP322_PRIME	E, M	2015-322718:59:00		000716:19:00	2015-322718:59:00	NEG_Z to Sun		NEG_X to 320.0/34.0	Target is Bestla (near RA/Dec = 155/+15.7).	
SP_226EA_C70METSEQ322_PRIME	C, E, M, R	2015-322720:29:00		000701:30:00	2015-322720:29:00	XBAND to Earth		NEG_X to 320.0/34.0		
CDA_226DR_RETROGR001_PRIME	M	2015-323705:29:00		000709:00:00	2015-323705:29:00	XBAND to Earth		Rolling/SRU	CDA.NEG_X to 320/34.SRU.	
SP_226EA_YGAP324_PRIME	E, M	2015-324714:14:00		000708:45:00	2015-324714:14:00	XBAND to Earth		POS_X to NSP		
SP_226EA_C70METSEQ324_PRIME	C, E, M, R	2015-324714:14:00		000708:45:00	2015-324722:59:00	XBAND to Earth		NEG_X to 320.0/34.0		
MIMI_226CO_LLACORPTG001_PRIME		2015-325700:00:00		000709:00:00	2015-325709:00:00	XBAND to Earth		Rolling/SRU	CDA.NEG_X to 320/34.SRU.	
CDA_226DR_TITEQUASCO01_PRIME		2015-325709:00:00		000723:44:00	2015-326708:44:00	XBAND to Earth (0.0,0.0,-5.0 deg. offset)		NEG_X to Saturn		
MIMI_226CO_LLACORPTG002_PRIME		2015-326708:44:00		000709:00:00	2015-326717:44:00	XBAND to Earth		Rolling/SRU		
SP_226EA_DTLTURN326_PRIME		2015-326718:20:00		000700:24:00	2015-326718:44:00	XBAND to Earth		POS_X to NEP		
NEW WAYPOINT										
SP_226EA_YGAP326_PRIME	E	2015-326718:44:00		000701:30:00	2015-326720:14:00	XBAND to Earth		POS_X to NEP		
SP_226EA_C70METSEQ326_PRIME	C, R	2015-326720:14:00		000709:00:00	2015-327705:14:00	XBAND to Earth		Rolling/SRU	CAPS.POS_X to NEP.SRU.	
SATURN_226 Segment		2015-327705:14:00		000700:54:00	2015-329706:08:00					
SP_226SA_WAYPTTURN327_PRIME		2015-327705:14:00		000700:30:00	2015-327705:44:00	ISS_NAC to Saturn		NEG_X to NSP		
NEW WAYPOINT										
VIMS_226SA_NHEMMAPO01_PRIME	C, I	2015-327705:44:00		000720:48:45	2015-328702:32:45	ISS_NAC to Saturn		NEG_X to NSP		
UVIS_226SA_EUVFUV001_PRIME	C, I, V	2015-327716:44:00		000711:00:00	2015-327716:44:00	ISS_NAC to Saturn		NEG_X to NSP		
NEW WAYPOINT										
CIRS_226TE_TETHYS001_PIE	I, M, U, V	2015-327720:00:00		000703:30:00	2015-327723:30:00	ISS_NAC to Tethys		NEG_X to NSP	Collaborative Rider(s): ISS, UVIS. Pick up and drop off at the WP: ISS_NAC to Saturn,	
CIRS_226SA_LIMBINT002_PRIME	I, M, U, V	2015-327723:30:00		000702:47:00	2015-328702:17:00	CIRS_FP8 to Saturn		NEG_X to NSP	NEG_X to NSP	Observe limb at lowest phase angle (Northern Hemisphere)

SP_2265A_RAMAVOID328_PRIME	M	2015-328T02:17:00	000T00:15:45	2015-328T02:32:45	XBAND to Dust_RAM	NEG_X to NSP
NEW WAYPOINT		2015-328T02:32:45	000T01:42:15	2015-328T04:15:00	XBAND to Dust_RAM	NEG_X to NSP
MP_226DR_DUSTHAZR001_PRIME	M	2015-328T02:32:45	000T01:18:39	2015-328T03:51:24	XBAND to Dust_RAM	NEG_X to NSP
Periopse R = 2.532 Rs, lat ...		2015-328T03:14:08	000T00:00:01	2015-328T03:14:09		
SP_2265A_WAYPTURN328_PRIME	M	2015-328T03:51:24	000T00:23:36	2015-328T04:15:00	ISS_NAC to Saturn	NEG_X to Sun
NEW WAYPOINT		2015-328T04:15:00	000T09:44:00	2015-328T13:59:00	ISS_NAC to Saturn	NEG_X to Sun
CIRS_2265A_LIMBINT001_PIE	I, M, U, V	2015-328T04:15:00	000T06:00:00	2015-328T10:15:00	CIRS_FP8 to Saturn	NEG_X to Sun PIE
ISS_2265A_LIMBSCAN001_PRIME	C, U, V	2015-328T10:15:00	000T03:15:00	2015-328T13:30:00	ISS_NAC to Saturn	NEG_X to Sun
SP_226EA_DLTURN328_PRIME		2015-328T13:30:00	000T00:29:00	2015-328T13:59:00	XBAND to Earth	POS_X to 341.3/-16.9
NEW WAYPOINT		2015-328T13:59:00	000T03:20:00	2015-328T17:19:00	XBAND to Earth	POS_X to 341.3/-16.9
SP_226EA_G70METSEQ328_PRIME	R	2015-328T13:59:00	000T03:00:00	2015-328T16:59:00	XBAND to Earth	POS_X to 341.3/-16.9
SP_2265A_WAYPTTURN428_PRIME		2015-328T16:59:00	000T00:20:00	2015-328T17:19:00	NEG_Y to 84.054/-1.202	POS_Z to 174.5/-33.0
NEW WAYPOINT		2015-328T17:19:00	000T02:44:00	2015-328T19:23:00	NEG_Y to 84.054/-1.202	POS_Z to 174.5/-33.0
UVIS_2265T_EPSORI001_PIE		2015-328T17:19:00	000T01:59:00	2015-328T18:58:00	UVIS_EUV to 84.054/-1.202	POS_Z to 174.5/-33.0
SP_226EA_DLTURN428_PRIME		2015-328T18:58:00	000T00:25:00	2015-328T19:23:00	XBAND to Earth	NEG_X to NEP
NEW WAYPOINT		2015-328T19:23:00	000T10:45:00	2015-329T06:08:00	XBAND to Earth	NEG_X to NEP
SP_226EA_C70METSEQ328_PRIME	C, E, R	2015-328T19:23:00	000T10:45:00	2015-329T06:08:00	XBAND to Earth	NEG_X to NEP CAPS_NEG_X to 40.6/83.5 (NSP) or NEP.EOS.