

Request	Riders	Start (SCET)	Start (Epoch)	Duration	End (SCET)	Primary	Secondary	Comments
Sequence S79, length = 68 days		2013-158T00:45:00		068T09:06:00	2013-226T09:51:00			
SATURN_191_192_Segment		2013-158T00:45:00		008T13:14:00	2013-166T13:59:00			
SP_191EA_S79IVP158_PRIME		2013-158T00:45:00		000T00:06:00	2013-158T00:51:00	XBAND to Earth	NEG_Y to 294.0/42.0	S79 IVP Gap
SP_191SA_WAYPTURN158_PRIME		2013-158T00:51:00		000T00:40:00	2013-158T01:31:00	ISS_NAC to Saturn	NEG_Z to NSP	
NEW WAYPOINT		2013-158T01:31:00		000T22:29:00	2013-159T00:00:00	ISS_NAC to Saturn	NEG_Z to NSP	
VIMS_191SA_SREGMOV001_PRIME	C, I, U	2013-158T01:31:00		000T21:49:00	2013-158T23:20:00	ISS_NAC to Saturn	NEG_Z to NSP	
Apoapse Per = 12.0 d, inc ...		2013-158T06:29:06		000T00:00:01	2013-158T06:29:07			
SP_192EA_DLTURN159_PRIME		2013-158T23:20:00		000T00:40:00	2013-159T00:00:00	XBAND to Earth	POS_X to 134.7/43.1	
NEW WAYPOINT		2013-159T00:00:00		000T15:10:00	2013-159T15:10:00	XBAND to Earth	POS_X to 134.7/43.1	
SP_192EA_YGAP159_PRIME		2013-159T00:00:00		000T01:30:00	2013-159T01:30:00	XBAND to Earth	POS_X to 134.7/43.1	
SP_192EA_G70METNON159_PRIME		2013-159T01:30:00		000T04:00:00	2013-159T05:30:00	XBAND to Earth	3_Hr Rolling	
SP_192EA_C34BWGNON159_PRIME	C	2013-159T05:30:00		000T09:00:00	2013-159T14:30:00	XBAND to Earth	Rolling/SRU	MIMI. NEG_Y to Saturn (0.0,-9.5). SID suspend
SP_192SA_WAYPTURN159_PRIME		2013-159T14:30:00		000T00:40:00	2013-159T15:10:00	ISS_NAC to Saturn	NEG_Z to NSP	
NEW WAYPOINT		2013-159T15:10:00		000T12:35:00	2013-160T03:45:00	ISS_NAC to Saturn	NEG_Z to NSP	
VIMS_192SA_SPOLMOV001_PRIME	C	2013-159T15:10:00		000T11:55:00	2013-160T03:05:00	ISS_NAC to Saturn	NEG_Z to NSP	
SP_192EA_DLTURN160_PRIME		2013-160T03:05:00		000T00:40:00	2013-160T03:45:00	XBAND to Earth	POS_X to 135.2/44.0	
NEW WAYPOINT		2013-160T03:45:00		000T11:10:00	2013-160T14:55:00	XBAND to Earth	POS_X to 135.2/44.0	
SP_192EA_YGAP160_PRIME		2013-160T03:45:00		000T01:30:00	2013-160T05:15:00	XBAND to Earth	POS_X to 135.2/44.0	
SP_192EA_C34BWGNON160_PRIME	C, R	2013-160T05:15:00		000T09:00:00	2013-160T14:15:00	XBAND to Earth	Rolling/SRU	MIMI. NEG_Y to Saturn (0.0,-12). SID suspend
SP_192SA_WAYPTURN160_PRIME		2013-160T14:15:00		000T00:40:00	2013-160T14:55:00	ISS_NAC to Saturn	NEG_Z to 136.5/31.5	
NEW WAYPOINT		2013-160T14:55:00		000T12:49:00	2013-161T03:44:00	ISS_NAC to Saturn	NEG_Z to 136.5/31.5	
VIMS_192SA_AURSTARE001_PRIME	C, I, U	2013-160T14:55:00		000T06:05:00	2013-160T21:00:00	ISS_NAC to Saturn	NEG_Z to 136.5/31.5	
UVIS_192SA_AURLEW001_PRIME	V	2013-160T14:00:00		000T06:04:00	2013-161T03:04:00	UVIS_FUV to Saturn	NEG_Z to 136.5/31.5	
SP_192EA_DLTURN161_PRIME		2013-161T03:04:00		000T00:40:00	2013-161T03:44:00	XBAND to Earth	NEG_X to NSP	
NEW WAYPOINT		2013-161T03:44:00		000T11:10:00	2013-161T14:54:00	XBAND to Earth	NEG_X to NSP	
ENGR_192SC_KPTYBIAS161_PRIME		2013-161T03:44:00		000T01:30:00	2013-161T05:14:00	POS_Z to DELTA_H (0.0,0.0,-24.999 deg. offset)	NEG_X to Sun	
SP_192EA_C34HEFNON161_PRIME	C, E	2013-161T05:14:00		000T08:15:00	2013-161T13:29:00	XBAND to Earth	3_Hr Rolling	CAPS. NEG_X to NEP or NSP. SID suspend
SP_192SA_WAYPTURN161_PRIME		2013-161T14:14:00		000T00:40:00	2013-161T14:54:00	ISS_NAC to Saturn	NEG_Z to 136.5/31.5	
NEW WAYPOINT		2013-161T14:54:00		001T00:20:00	2013-162T15:14:00	ISS_NAC to Saturn	NEG_Z to 136.5/31.5	
ISS_192TI_M120R2HZ164_PRIME	C, V	2013-161T14:54:00	E192_M120R2HZ164+000T00:00:00	000T01:30:00	2013-161T16:24:00	ISS_NAC to Titan	NEG_Z to 136.5/31.5	No Preference to secondary pointing
VIMS_192RI_RCASOCC001_PRIME	C	2013-161T16:24:00		000T02:36:00	2013-161T19:00:00	VIMS_IR to 359.603/51.389	NEG_X to Sun	
CIRS_192SA_COMPSIT001_PRIME	U, V	2013-161T19:00:00		000T19:34:00	2013-162T14:34:00	CIRS_FP3 to Saturn	NEG_Z to 136.5/31.5	
SP_192EA_DLTURN162_PRIME		2013-162T14:34:00		000T00:35:00	2013-162T15:09:00	XBAND to Earth (0.0,0.0,-10.0 deg. offset)	NEG_X to NSP	
SP_192EA_DLTURN462_PRIME		2013-162T15:09:00		000T00:05:00	2013-162T15:14:00	XBAND to Earth	NEG_X to NSP	
NEW WAYPOINT		2013-162T15:14:00		000T09:40:00	2013-163T00:54:00	XBAND to Earth	NEG_X to NSP	
SP_192EA_M34HEFOTP162_PRIME	C, E, N	2013-162T15:14:00		000T09:00:00	2013-163T00:14:00	XBAND to Earth	4_Hr Rolling	CAPS. NEG_X to NEP or NSP. OTP
SP_192SA_WAYPTURN163_PRIME		2013-163T00:14:00		000T00:31:00	2013-163T00:45:00	UVIS_SOL_OFF to Sun (0.0,5.0,0.0 deg. offset)	POS_X to NSP	
SP_192SA_WAYPTURN463_PRIME		2013-163T00:45:00		000T00:09:00	2013-163T00:54:00	UVIS_SOL_OFF to Sun	POS_X to NSP	
NEW WAYPOINT		2013-163T00:54:00		000T07:41:00	2013-163T08:35:00	UVIS_SOL_OFF to Sun	POS_X to NSP	
ISS_192OT_ALBPOLA103_PRIME	U, V	2013-163T01:00:00		000T02:00:00	2013-163T03:00:00	UVIS_FUV to Rocks	NEG_Z to Earth	
SP_192NA_DEADTIME163_PRIME		2013-163T03:00:00		000T00:20:00	2013-163T03:20:00	UVIS_SOL_OFF to Sun	POS_X to NSP	
UVIS_192SU_USUNOCC001_PRIME	V	2013-163T03:20:00	GMB_E192_Saturn_Solar_Occ_Ing-000T01:35:49	000T02:15:00	2013-163T05:35:00	UVIS_SOL_OFF to Sun	POS_X to NSP	
SP_192NA_DEADTIME463_PRIME		2013-163T05:35:00	GMB_E192_Saturn_Solar_Occ_Ing+000T00:39:11	000T00:20:00	2013-163T05:55:00	UVIS_SOL_OFF to Sun	POS_X to NSP	
ISS_192EN_PLMHPMR001_PIE	C, U, V	2013-163T05:55:00		000T02:00:00	2013-163T07:55:00	ISS_NAC to Enceladus	POS_X to NSP	SOST PIE
SP_192EA_DLTURN163_PRIME		2013-163T07:55:00		000T00:31:00	2013-163T08:26:00	XBAND to Earth (0.0,0.0,-5.0 deg. offset)	NEG_X to NSP	
SP_192EA_DLTURN463_PRIME		2013-163T08:26:00		000T00:09:00	2013-163T08:35:00	XBAND to Earth	NEG_X to NSP	
NEW WAYPOINT		2013-163T08:35:00		000T16:19:00	2013-164T00:54:00	XBAND to Earth	NEG_X to NSP	
ISS_192OT_ALBPOLB103_PRIME	U	2013-163T08:35:00		000T06:39:00	2013-163T15:14:00	UVIS_FUV to Rocks	NEG_Z to Earth	
SP_192EA_M70METOTB163_PRIME	C, N	2013-163T15:14:00		000T09:00:00	2013-164T00:14:00	XBAND to Earth	NEG_X to NSP	CAPS. same secondary as OTP pass. OTB. SID suspend
SP_192SA_WAYPTURN164_PRIME		2013-164T00:14:00		000T00:40:00	2013-164T00:54:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
NEW WAYPOINT		2013-164T00:54:00		000T20:20:00	2013-164T21:14:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
CIRS_192SA_COMPSIT002_PRIME	U, V	2013-164T00:54:00		000T12:00:00	2013-164T12:54:00	CIRS_FPB to Saturn	POS_Z to 136.5/31.5	
Periapse R = 10.244 Rs, lat...		2013-164T05:58:22		000T00:00:01	2013-164T05:58:23			
VIMS_192SA_NPOLMOV001_PRIME	C, I	2013-164T12:54:00		000T06:46:00	2013-164T19:40:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
VIMS_192SA_RCAROCC001_PRIME	C	2013-164T19:40:00		000T00:54:00	2013-164T20:34:00	VIMS_IR to 143.061/-62.789	POS_Z to 136.5/31.5	No Preference to secondary pointing
SP_192EA_DLTURN164_PRIME		2013-164T20:34:00		000T00:40:00	2013-164T21:14:00	XBAND to Earth	POS_X to NSP	
NEW WAYPOINT		2013-164T21:14:00		000T11:10:00	2013-165T08:24:00	XBAND to Earth	POS_X to NSP	
ENGR_192SC_KPTYBIAS164_PRIME		2013-164T21:14:00		000T01:30:00	2013-164T22:44:00	NEG_Z to DELTA_H (0.0,0.0,-45.0 deg. offset)	NEG_X to Sun	
SP_192EA_G34HEFNON164_PRIME	C	2013-164T22:44:00		000T09:00:00	2013-165T07:44:00	XBAND to Earth	Rolling/SRU	CAPS. POS_X to NEP or NSP. SID suspend
SP_192SA_WAYPTURN165_PRIME		2013-165T07:44:00		000T00:40:00	2013-165T08:24:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
NEW WAYPOINT		2013-165T08:24:00		000T11:10:00	2013-165T19:34:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
ISS_192SA_NPOLVORT001_PRIME	C, U, V	2013-165T08:24:00		000T09:00:00	2013-165T17:24:00	ISS_NAC to Saturn	POS_Z to 136.5/31.5	
ISS_192TI_M30R2CLD165_PRIME	C, V	2013-165T17:24:00	E192_M30R2CLD165+000T00:00:00	000T01:30:00	2013-165T18:54:00	ISS_NAC to Titan	POS_Z to 136.5/31.5	No Preference to secondary pointing
SP_192EA_DLTURN166_PRIME		2013-165T18:54:00		000T00:40:00	2013-165T19:34:00	XBAND to Earth	POS_X to 307.3/-20.7	
NEW WAYPOINT		2013-165T19:34:00		000T19:11:00	2013-166T14:45:00	XBAND to Earth	POS_X to 307.3/-20.7	
ISS_192OT_ALBPOLC103_PRIME	U	2013-165T19:34:00		000T07:55:00	2013-166T03:29:00	UVIS_FUV to Rocks	NEG_Z to Earth	
ENGR_192SC_KPTYBIAS166_PRIME		2013-166T03:29:00		000T01:30:00	2013-166T04:59:00	NEG_Z to DELTA_H (0.0,0.0,9.998 deg. offset)	NEG_X to Sun	
SP_192EA_C70METNON166_PRIME	C	2013-166T04:59:00		000T09:00:00	2013-166T13:59:00	XBAND to Earth	Rolling	MIMI. NEG_Y to Saturn (0.0,-9.5).
XD_192_193_Segment		2013-166T13:59:00		006T23:29:00	2013-173T13:28:00			
SP_192SA_WAYPTURN166_PRIME	I	2013-166T13:59:00		000T00:46:00	2013-166T14:45:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
NEW WAYPOINT		2013-166T14:45:00		001T06:14:00	2013-167T20:59:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
CIRS_192RI_COMPLIT001_PRIME	C, I, V	2013-166T14:45:00		000T07:00:00	2013-166T21:45:00	CIRS_FP1 to Rings	NEG_Z to 312.48/-47.49	Must point within 15 deg of Saturn Center
UVIS_192TE_LOPHASE001_PIE	C, I, V	2013-166T21:45:00		000T01:30:00	2013-166T23:15:00	UVIS_FUV to Tethys	POS_X to 136.5/31.5	

ISS_192OT_SATELLORB001_PRIME		2013-166T23:15:00		000T01:00:00	2013-167T00:15:00	ISS_NAC to Satellites	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
ISS_192TI_M30R3CLD166_PRIME	C, V	2013-167T00:15:00	E192_M30R3CLD166+000T00:00:00	000T01:30:00	2013-167T01:45:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_192RI_PROPRETRG001_PRIME	C, I, V	2013-167T01:45:00		000T01:00:00	2013-167T02:45:00	ISS_NAC to Rings	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
CIRS_192SA_COMPSIT003_PRIME	I, V	2013-167T02:45:00		000T12:00:00	2013-167T14:45:00	CIRS_FP3 to Saturn	NEG_Z to 136.5/31.5	
ISS_192RI_FNTLPLE001_PRIME	C, I, V	2013-167T14:45:00		000T05:45:00	2013-167T20:30:00	ISS_NAC to Rings	POS_X to 136.5/31.5	
SP_192EA_DLTURN167_PRIME		2013-167T20:30:00		000T00:29:00	2013-167T20:59:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
NEW WAYPOINT		2013-167T20:59:00		002T10:41:00	2013-170T07:40:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
SP_192EA_YGAP167_PRIME		2013-167T20:59:00		000T01:30:00	2013-167T22:29:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
SP_192EA_G34BWGNON167_PRIME	C	2013-167T22:29:00		000T09:00:00	2013-168T07:29:00	XBAND to Earth	NEG_Y to 344.0/-62.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
CDA_192DR_RETROGR001_PRIME		2013-168T07:29:00		001T13:15:00	2013-169T20:44:00	XBAND to Earth	POS_X to NEP	
ENGR_192SC_KPTYBIAS169_PRIME		2013-169T20:44:00		000T01:30:00	2013-169T22:14:00	POS_Z to DELTA_H (0,0,0,0,-74.998 deg. offset)	NEG_X to Sun	
SP_192EA_G70METNON169_PRIME	C, R	2013-169T22:14:00		000T05:30:00	2013-170T03:44:00	XBAND to Earth	NEG_Y to 344.0/-62.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
SP_192EA_C70METNON170_PRIME	C, R	2013-170T03:44:00		000T03:30:00	2013-170T07:14:00	XBAND to Earth	NEG_Y to 344.0/-62.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
Apoapse Per = 12.0 d, Inc ...		2013-170T05:34:13		000T00:00:01	2013-170T05:34:14			
SP_193SA_WAYPTTURN170_PRIME	I	2013-170T07:14:00		000T00:26:00	2013-170T07:40:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
NEW WAYPOINT		2013-170T07:40:00		001T09:40:00	2013-171T17:20:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
CIRS_193RI_SHADINGU001_PRIME	C, I, V	2013-170T07:40:00		000T06:00:00	2013-170T13:40:00	CIRS_FP1 to Rings	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
NAV_193SK_OPNAV701_PRIME		2013-170T13:40:00		000T01:30:00	2013-170T15:10:00	ISS_NAC to Satellites	POS_X to 136.5/31.5	No Preference to secondary pointing. Starts at waypoint, ends at same waypoint
ISS_193TI_M90R3CLD170_PRIME	C, V	2013-170T15:10:00	E193_M90R3CLD170+000T00:00:00	000T01:30:00	2013-170T16:40:00	ISS_NAC to Titan	POS_X to 136.5/31.5	No Preference to secondary pointing
ISS_193OT_SATELLORB001_PRIME		2013-170T16:40:00		000T01:00:00	2013-170T17:40:00	ISS_NAC to Satellites	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
UVIS_193SA_THERMOSPH001_PRIME	I, M, V	2013-170T17:40:00		000T05:15:00	2013-170T22:55:00	ISS_NAC to Saturn	NEG_Z to NSP	Must point within 15 deg of Saturn center.
ISS_193RF_FMOVIE001_PRIME	C, I, M, V	2013-170T22:55:00		000T16:00:00	2013-171T14:55:00	ISS_NAC to Rings	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
VIMS_193ST_STARCAL002_PRIME	M	2013-171T14:55:00		000T02:00:00	2013-171T16:55:00	VIMS_IR to 269.151/51.489	NEG_X to Sun	Must point within 15 degrees of Saturn center
SP_193EA_DLTURN171_PRIME	M	2013-171T16:55:00		000T00:25:00	2013-171T17:20:00	XBAND to Earth	NEG_Y to 331.0/-68.0	
NEW WAYPOINT		2013-171T17:20:00		000T14:15:00	2013-172T07:35:00	XBAND to Earth	NEG_Y to 331.0/-68.0	
ENGR_193SC_KPTYBIAS171_PRIME	M, R	2013-171T20:43:00		000T01:30:00	2013-171T22:13:00	NEG_Z to DELTA_H	NEG_X to Sun	
SP_193EA_G34BWGNON171_PRIME	C, M, R	2013-171T22:13:00		000T03:00:00	2013-172T01:13:00	XBAND to Earth	NEG_Y to 331.0/-68.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
RSS_193EA_BORESIGHT002_PRIME	C, M, R	2013-172T01:13:00		000T01:00:00	2013-172T02:13:00	XBAND to Earth	PIC	
SP_193EA_G34BWGNON371_PRIME	C, M, R	2013-172T02:13:00		000T05:00:00	2013-172T07:13:00	XBAND to Earth	NEG_Y to 331.0/-68.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
SP_193SA_WAYPTTURN172_PRIME	I, M	2013-172T07:13:00		000T00:22:00	2013-172T07:35:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
NEW WAYPOINT		2013-172T07:35:00		000T19:23:00	2013-173T02:58:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
MAG_193SU_CALROLL001_PRIME	I, M	2013-172T07:35:00		000T08:00:00	2013-172T15:35:00	NEG_X to Earth (0,0,0,0,-30.0 deg. offset)	Rolling	
ISS_193OT_SATELLORB002_PRIME	M	2013-172T15:35:00		000T02:00:00	2013-172T17:35:00	ISS_NAC to Satellites	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
VIMS_193RI_MUCEPOCC001_PRIME	C, I, M	2013-172T17:35:00		000T05:55:00	2013-172T23:30:00	VIMS_IR to 325.876/58.78	NEG_X to Sun	Must point within 15 deg of Saturn Center
VIMS_193ST_STARCAL001_PRIME		2013-172T23:30:00		000T01:50:00	2013-173T01:20:00	VIMS_IR to 324.01/45.375	NEG_X to Sun	Must point within 15 degrees of Saturn center
ISS_193RI_PROPRETRG001_PRIME	C	2013-173T01:20:00		000T01:15:00	2013-173T02:35:00	ISS_NAC to Rings	POS_X to 136.5/31.5	Must point within 15 deg of Saturn Center
SP_193EA_DLTURN173_PRIME		2013-173T02:35:00		000T00:23:00	2013-173T02:58:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
NEW WAYPOINT		2013-173T02:58:00		000T11:10:00	2013-173T14:08:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
ENGR_193SC_KPTYBIAS173_PRIME		2013-173T02:58:00		000T01:30:00	2013-173T04:28:00	POS_Z to DELTA_H (0,0,0,0,85.001 deg. offset)	NEG_X to Sun	
SP_193EA_C70METNON173_PRIME	C	2013-173T04:28:00		000T09:00:00	2013-173T13:28:00	XBAND to Earth	NEG_Y to 344.0/-62.0	No Roll due to AACS 2 of 3 Rule. Secondary chosen for MIMI.
SATURN_193 Segment		2013-173T13:28:00		005T17:15:00	2013-179T06:43:00			
SP_193SA_WAYPTTURN173_PRIME		2013-173T13:28:00		000T00:12:00	2013-173T13:40:00	XBAND to Earth (0,0,-20.0,0,0 deg. offset)	NEG_Y to 344.0/-62.0	
SP_193SA_WAYPTTURN473_PRIME		2013-173T13:40:00		000T00:28:00	2013-173T14:08:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
NEW WAYPOINT		2013-173T14:08:00		000T12:50:00	2013-174T02:58:00	ISS_NAC to Saturn	POS_X to 136.5/31.5	
ISS_193TI_M150R2HZ173_PRIME	C, V	2013-173T14:08:00	E193_M150R2HZ173+000T00:00:00	000T01:30:00	2013-173T15:38:00	ISS_NAC to Titan	NEG_X to Sun	
VIMS_193SA_AURSTARE001_PRIME	C, I, U	2013-173T15:38:00		000T05:20:00	2013-173T20:58:00	ISS_NAC to Saturn	POS_X to NSP	
UVIS_193SA_AURLEW001_PRIME	C, V	2013-173T20:58:00		000T05:20:00	2013-174T02:18:00	UVIS_FUV to Saturn	POS_X to 136.5/31.5	
SP_193EA_DLTURN174_PRIME		2013-174T02:18:00		000T00:40:00	2013-174T02:58:00	XBAND to Earth	NEG_X to NSP	
NEW WAYPOINT		2013-174T02:58:00		000T11:10:00	2013-174T14:08:00	XBAND to Earth	NEG_X to NSP	
ENGR_193SC_KPTYBIAS174_PRIME		2013-174T02:58:00		000T01:30:00	2013-174T04:28:00	POS_Z to DELTA_H (0,0,0,0,-65.0 deg. offset)	NEG_X to Sun	
SP_193EA_C34BWGNON174_PRIME	C, R	2013-174T04:28:00		000T09:00:00	2013-174T13:28:00	XBAND to Earth	5_Hr_Rolling	CAPS. NEG_X to NEP or NSP. CIRS heating
SP_193SA_WAYPTTURN174_PRIME		2013-174T13:28:00		000T00:21:00	2013-174T13:49:00	XBAND to 27.7/60.3	NEG_Y to 28.5/24.7	
SP_193SA_WAYPTTURN474_PRIME		2013-174T13:49:00		000T00:19:00	2013-174T14:08:00	ISS_NAC to Saturn	NEG_Z to NSP	
NEW WAYPOINT		2013-174T14:08:00		000T08:17:00	2013-174T22:25:00	ISS_NAC to Saturn	NEG_Z to NSP	
CIRS_193SA_COMPSIT001_PRIME	V	2013-174T14:08:00		000T05:52:00	2013-174T20:00:00	CIRS_FP1 to Saturn	NEG_Z to NSP	
ISS_193MI_MIPLUME001_PIE	C, U, V	2013-174T20:00:00		000T02:00:00	2013-174T22:00:00	UVIS_FUV to Mimas	NEG_Z to NSP	Collaborative Rider(s): UVIS. No Preference to secondary pointing
SP_193SU_WAYPTTURN674_PRIME		2013-174T22:00:00		000T00:10:00	2013-174T22:10:00	ISS_NAC to Saturn (0,0,0,0,30.0 deg. offset)	NEG_Z to NSP	
SP_193SU_WAYPTTURN874_PRIME		2013-174T22:10:00		000T00:15:00	2013-174T22:25:00	VIMS_IR_SOL to Sun	NEG_Z to NSP	
NEW WAYPOINT		2013-174T22:25:00		000T05:42:00	2013-175T04:07:00	VIMS_IR_SOL to Sun	NEG_Z to NSP	
ISS_193SA_LIMBSCAN001_PRIME	V	2013-174T22:25:00		000T01:35:00	2013-175T00:00:00	ISS_NAC to Saturn	NEG_Z to NSP	
VIMS_193SU_SOLARPORT001_PRIME	R, U	2013-175T00:00:00		000T03:26:00	2013-175T03:26:00	UVIS_SOLAR to Sun	NEG_Z to NSP	
SP_193EA_WAYPTTURN175_PRIME	R	2013-175T03:27:00		000T00:29:00	2013-175T03:56:00	XBAND to Earth (0,0,-25.0,0,0 deg. offset)	NEG_X to NSP	
SP_193EA_WAYPTTURN475_PRIME	R	2013-175T03:56:00		000T00:11:00	2013-175T04:07:00	XBAND to Earth	NEG_X to NSP	
NEW WAYPOINT		2013-175T04:07:00		000T21:31:00	2013-176T01:38:00	XBAND to Earth	NEG_X to NSP	
RSS_193RI_OCC001_PIE		2013-175T04:07:00		000T05:11:00	2013-175T09:18:00	XBAND to Earth	PIC	
SP_193EA_C70METUNQ175_PRIME		2013-175T09:18:00		000T02:52:00	2013-175T12:10:00	XBAND to Earth	NEG_X to NSP	CAPS. POS_X to NEP or NSP. CIRS heating
ISS_193EN_PLMHPMR001_PIE	C, M, U, V	2013-175T12:10:00		000T02:18:00	2013-175T14:28:00	ISS_NAC to Enceladus	NEG_X to NSP	SOST PIE

SP_193EA_M34BWGNON175_PRIME	C, M, R	2013-175T14:28:00		000T09:00:00	2013-175T23:28:00	XBAND to Earth	5_Hr_Rolling	CAPS_NEG_X to NEP or NSP. CIRS heating
ENGR_193SC_KPTYBIAS175_PRIME		2013-175T23:28:00		000T01:30:00	2013-176T00:58:00	NEG_Z to DELTA_H (0,0,0,0,90.0 deg. offset)	NEG_X to Sun	
SP_193SA_WAYPTTURN176_PRIME		2013-176T00:58:00		000T00:40:00	2013-176T01:38:00	ISS_NAC to Saturn	POS_Z to NSP	
NEW WAYPOINT		2013-176T01:38:00		001T18:35:00	2013-177T20:13:00	ISS_NAC to Saturn	POS_Z to NSP	
VIMS_193SA_NREGMAP001_PRIME	C	2013-176T01:38:00		000T11:00:00	2013-176T12:38:00	ISS_NAC to Saturn	POS_Z to NSP	
Periapse R = 10.246 Rs, lat...		2013-176T05:08:48		000T00:00:01	2013-176T05:08:49			
UVIS_193SA_AURSLW002_PRIME	C	2013-176T12:38:00		000T06:20:00	2013-176T18:58:00	UVIS_FUV to Saturn	POS_Z to NSP	
VIMS_193SA_RCAROC001_PRIME	E	2013-176T18:58:00		000T01:20:00	2013-176T20:18:00	VIMS_IR to 143.061/-62.789	POS_Z to NSP	No Preference to secondary pointing
VIMS_193SA_AURSTARE002_PRIME	C, I, U	2013-176T20:18:00		000T05:00:00	2013-177T01:18:00	ISS_NAC to Saturn	POS_Z to NSP	
VIMS_193SA_NPOLMOV001_PRIME	C, I, U	2013-177T01:18:00		000T16:45:00	2013-177T18:03:00	ISS_NAC to Saturn	POS_Z to NSP	
ISS_193TI_M90R2CLD177_PRIME	C, V	2013-177T18:03:00	E193_M90R2CLD177+000T00:00:00	000T01:30:00	2013-177T19:33:00	ISS_NAC to Titan	POS_Z to NSP	No Preference to secondary pointing
SP_193EA_DLTURN177_PRIME		2013-177T19:33:00		000T00:40:00	2013-177T20:13:00	XBAND to Earth	POS_X to NEP	
NEW WAYPOINT		2013-177T20:13:00		000T11:10:00	2013-178T07:23:00	XBAND to Earth	POS_X to NEP	
ENGR_193SC_KPTYBIAS177_PRIME		2013-177T20:13:00		000T01:30:00	2013-177T21:43:00	NEG_Z to DELTA_H (0,0,0,0,-4.999 deg. offset)	NEG_X to Sun	
SP_193EA_G70METNON177_PRIME	C	2013-177T21:43:00		000T09:00:00	2013-178T06:43:00	XBAND to Earth	5_Hr_Rolling	CAPS_POS_X to NEP or NSP. CIRS heating
SP_193SA_WAYPTTURN178_PRIME		2013-178T06:43:00		000T00:15:00	2013-178T06:58:00	XBAND to Earth	NEG_Y to Saturn	
SP_193SA_WAYPTTURN478_PRIME		2013-178T06:58:00		000T00:25:00	2013-178T07:23:00	ISS_NAC to Saturn	NEG_X to 136.5/31.5	
NEW WAYPOINT		2013-178T07:23:00		000T12:50:00	2013-178T20:13:00	ISS_NAC to Saturn	NEG_X to 136.5/31.5	
UVIS_193DI_LOPHASE001_PIE	C, I, V	2013-178T07:23:00		000T02:22:00	2013-178T09:45:00	UVIS_FUV to Dione	NEG_X to 136.5/31.5	
UVIS_193MI_LOPHASE001_PIE	C, I, V	2013-178T09:45:00		000T01:30:00	2013-178T11:15:00	UVIS_FUV to Mimas	NEG_X to 136.5/31.5	
ISS_193SA_NSTARE001_PRIME	V	2013-178T11:15:00		000T08:18:00	2013-178T19:33:00	ISS_NAC to Saturn	NEG_X to 136.5/31.5	No Preference to secondary pointing
SP_193EA_DLTURN178_PRIME		2013-178T19:33:00		000T00:28:00	2013-178T20:01:00	POS_X to 300.0/5.0	XBAND to Earth	
SP_193EA_DLTURN478_PRIME		2013-178T20:01:00		000T00:12:00	2013-178T20:13:00	XBAND to Earth	POS_X to NEP	
NEW WAYPOINT		2013-178T20:13:00		000T11:00:00	2013-179T07:13:00	XBAND to Earth	POS_X to NEP	
SP_193EA_YGAP178_PRIME		2013-178T20:13:00		000T01:30:00	2013-178T21:43:00	XBAND to Earth	POS_X to NEP	
SP_193EA_M34BWGNON178_PRIME	C	2013-178T21:43:00		000T01:30:00	2013-178T23:13:00	XBAND to Earth	Rolling	CAPS_POS_X to NEP or NSP. CIRS heating
SP_193EA_G34METUNQ178_PRIME	C	2013-178T23:13:00		000T07:30:00	2013-179T06:43:00	XBAND to Earth	Rolling	
XD_193_194 Segment		2013-179T06:43:00		005T23:29:00	2013-185T06:12:00			
SP_193SA_WAYPTTURN179_PRIME	I	2013-179T06:43:00		000T00:30:00	2013-179T07:13:00	ISS_NAC to Saturn	POS_X to 136.4/31.5	
NEW WAYPOINT		2013-179T07:13:00		001T12:59:00	2013-180T20:12:00	ISS_NAC to Saturn	POS_X to 136.4/31.5	
CAPS_193SA_TIRPXTG001_PRIME	I, M, V	2013-179T07:13:00		000T05:03:00	2013-179T12:16:00	NEG_Y to Saturn (0,0,0,0,-30.0 deg. offset)	POS_X to 136.4/31.5	Secondary axis and offsets TBD for RBOT
CAPS_193CO_IONCALPTG001_PRIME	I, M, V	2013-179T12:16:00		000T04:00:00	2013-179T16:16:00	NEG_Y to Saturn (0,0,0,0,-30.0 deg. offset)	POS_X to 136.4/31.5	Secondary axis and offsets TBD for RBOT
ISS_193MI_MUTUALEVE001_PRIME	M	2013-179T16:16:00		000T01:08:00	2013-179T17:24:00	ISS_NAC to Mimas	POS_X to 136.4/31.5	ISS_NAC to Mimas control of secondary axis not required
ISS_193MI_MUTUALEVE002_PRIME	M	2013-179T17:24:00		000T01:08:00	2013-179T18:32:00	ISS_NAC to Mimas	POS_X to 136.4/31.5	ISS_NAC to Mimas control of secondary axis not required
ISS_193OT_SATELLORB003_PRIME	M	2013-179T18:32:00		000T01:06:00	2013-179T19:38:00	ISS_NAC to Satellites	POS_X to 136.4/31.5	Must point within 30 deg of Saturn Center off L Ansa
ISS_193EN_MUTUALEVE001_PRIME	I, M, V	2013-179T19:38:00		000T01:03:00	2013-179T20:41:00	ISS_NAC to Enceladus	POS_X to 136.4/31.5	ISS_NAC to Enceladus control of secondary axis not required
ISS_193RI_DRLPMOV001_PRIME	C, M, V	2013-179T20:41:00		000T04:00:00	2013-180T00:41:00	ISS_NAC to Rings	POS_X to 136.4/31.5	Must point within 30 deg of Saturn Center off L Ansa
CIRS_193SA_MIRTMPO02_PRIME	I, M, V	2013-180T00:41:00		000T10:00:00	2013-180T10:41:00	CIRS_FP3 to Saturn	NEG_Z to NSP	
ISS_193OT_UISUP044_PRIME	I, M, U, V	2013-180T10:41:00		000T09:01:00	2013-180T19:42:00	UVIS_FUV to Rocks	NEG_Z to NSP	Jettison Activity. Will be deleted if RBOT problems occur.
SP_193EA_DLTURN180_PRIME	M	2013-180T19:42:00		000T00:30:00	2013-180T20:12:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
NEW WAYPOINT		2013-180T20:12:00		001T17:08:00	2013-182T13:20:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
SP_193EA_YGAP180_PRIME	M	2013-180T20:12:00		000T01:30:00	2013-180T21:42:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
SP_193EA_G70METNON180_PRIME	C, M	2013-180T21:42:00		000T07:00:00	2013-181T04:42:00	XBAND to Earth	Rolling	MIMI_NEG_Y to Saturn (0,0,-47). CIRS heating
SP_193EA_G34B26NON181_PRIME	C, M	2013-181T04:42:00		000T02:00:00	2013-181T06:42:00	XBAND to Earth	Rolling	MIMI_NEG_Y to Saturn (0,0,-47). CIRS heating
ISS_193OT_UIROTO47_PRIME	M, U	2013-181T06:42:00		000T19:45:00	2013-182T02:27:00	UVIS_FUV to Rocks	NEG_Z to NSP	Jettison Activity. Will be deleted if RBOT problems occur.
SP_193EA_YGAP182_PRIME		2013-182T02:27:00		000T01:30:00	2013-182T03:57:00	XBAND to Earth	NEG_Y to 344.0/-62.0	
SP_193EA_C34BWGNON182_PRIME	C, E, R	2013-182T03:57:00		000T09:00:00	2013-182T12:57:00	XBAND to Earth	Rolling/SRU	MIMI_NEG_Y to Saturn (0,0,-47). SID suspend. CIRS heating
Apoapse Per = 12.0 d, inc ...		2013-182T04:38:56		000T00:00:01	2013-182T04:38:57			
SP_194SA_WAYPTTURN182_PRIME	I	2013-182T12:57:00		000T00:23:00	2013-182T13:20:00	ISS_NAC to Saturn	POS_X to 136.4/31.5	
NEW WAYPOINT		2013-182T13:20:00		001T12:52:00	2013-184T02:12:00	ISS_NAC to Saturn	POS_X to 136.4/31.5	
ISS_194RI_ARCORBIT001_PRIME	C, I, V	2013-182T13:20:00		000T13:15:00	2013-183T02:35:00	ISS_NAC to Rings	POS_X to 136.4/31.5	Must point within 30 deg of Saturn Center off L Ansa
ISS_194RF_FMOVIE001_PRIME	C, I, V	2013-183T02:35:00		000T16:00:00	2013-183T18:35:00	ISS_NAC to Rings	POS_X to 136.4/31.5	Must point within 30 deg of Saturn Center off L Ansa
ISS_194OT_SATELLORB001_PRIME		2013-183T18:35:00		000T01:00:00	2013-183T19:35:00	ISS_NAC to Satellites	POS_X to 136.4/31.5	Must point within 30 deg of Saturn Center off L Ansa
CIRS_194RI_TDIFSOUTH001_PRIME	C, I, U, V	2013-183T19:35:00		000T06:00:00	2013-184T01:35:00	CIRS_FP1 to Rings	POS_X to 136.4/31.5	No Preference to secondary pointing
SP_194EA_DLTURN184_PRIME		2013-184T01:35:00		000T00:37:00	2013-184T02:12:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
NEW WAYPOINT		2013-184T02:12:00		001T21:10:00	2013-185T23:22:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
SP_194EA_YGAP184_PRIME		2013-184T02:12:00		000T01:30:00	2013-184T03:42:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
SP_194EA_C70METUNQ184_PRIME	C	2013-184T03:42:00		000T09:00:00	2013-184T12:42:00	XBAND to Earth	5_Hr_Rolling	
VIMS_194RI_MUCEPOCC001_PRIME	C, I	2013-184T12:42:00		000T03:42:00	2013-184T19:42:00	VIMS_IR to 325.876/58.78	NEG_X to Sun	Must point within 30 deg of Saturn Center off L Ansa
SP_194EA_YGAP584_PRIME		2013-184T19:42:00		000T01:30:00	2013-184T21:12:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
SP_194EA_G34B26NON184_PRIME	C	2013-184T21:12:00		000T09:00:00	2013-185T06:12:00	XBAND to Earth	Rolling/SRU	MIMI_NEG_Y to Saturn (0,0,-47). SID suspend. CIRS heating
RINGS_194 Segment		2013-185T06:12:00		005T16:14:00	2013-190T22:26:00			

CIRS_194RI_SHADINGU001_PRIME	C	2013-185T06:12:00		000T06:00:00	2013-185T12:12:00	CIRS_FP1 to Rings	POS_X to 142.2/33.0	observation secondary = POS_X to RBOT-friendly with a -5.0 offset about Y to keep the CIRS radiators away from the Sun
SP_194EA_YGAP185_PRIME		2013-185T12:12:00		000T01:35:00	2013-185T13:47:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
SP_194EA_M34HEFNON185_PRIME	C	2013-185T13:47:00		000T08:55:00	2013-185T22:42:00	XBAND to Earth	5_Hr Rolling	
SP_194SA_WAYPTTURN185_PRIME		2013-185T22:42:00		000T00:40:00	2013-185T23:22:00	ISS_NAC to Saturn	NEG_Z to 136.4/31.5	
NEW WAYPOINT		2013-185T23:22:00		000T12:50:00	2013-186T12:12:00	ISS_NAC to Saturn	NEG_Z to 136.4/31.5	
VIMS_194RI_RCASOCC002_PRIME	C	2013-185T23:22:00		000T05:43:00	2013-186T05:05:00	VIMS_IR to 359.603/51.389	NEG_X to Sun	
CIRS_194RI_SHADEGRU002_PRIME	C	2013-186T05:05:00		000T06:00:00	2013-186T11:05:00	CIRS_FP1 to Rings	NEG_Z to 136.4/31.5	
SP_194EA_DLTURN186_PRIME		2013-186T11:05:00		000T01:07:00	2013-186T12:12:00	XBAND to Earth	NEG_X to NEP	extra long just to fill gap
NEW WAYPOINT		2013-186T12:12:00		000T21:27:00	2013-187T09:39:00	XBAND to Earth	NEG_X to NEP	
ENGR_194SC_KPTYBIAS186_PRIME		2013-186T12:12:00		000T01:30:00	2013-186T13:42:00	POS_Z to DELTA_H (0,0,0,0,-49.999 deg. offset)	NEG_X to Sun	
SP_194EA_M34BWGNON186_PRIME	C, R	2013-186T14:12:00		000T08:30:00	2013-186T22:42:00	XBAND to Earth	Rolling	CAPS. NEG_X to NEP or NSP. CIRS heating
VIMS_194ST_STARCAL002_PRIME		2013-186T22:42:00		000T03:02:00	2013-187T01:44:00	VIMS_IR to 137.661/30.936	NEG_Z to Earth	
RSS_194RI_OCC001_PRIME		2013-187T03:09:31		000T05:49:05	2013-187T08:58:36	XBAND to Earth	NEG_X to NEP	
SP_194RI_WAYPTTURN187_PRIME		2013-187T08:59:00		000T00:40:00	2013-187T09:39:00	ISS_NAC to L_ANSA_A	POS_Z to 136.4/31.5	
NEW WAYPOINT		2013-187T09:39:00		001T03:27:00	2013-188T13:06:00	ISS_NAC to L_ANSA_A	POS_Z to 136.4/31.5	
CDA_194DR_RPX0730003_PRIME		2013-187T09:39:00		000T08:51:00	2013-187T18:30:00	NEG_Z to Earth	NEG_X to 117.0/-25.0	
ISS_194RI_DRCLOSE001_PRIME	C, U, V	2013-187T18:30:00		000T06:16:00	2013-188T00:46:00	ISS_NAC to Rings	POS_Z to 136.4/31.5	No Preference to secondary pointing
ISS_194RI_PROPRETRG001_PRIME	C	2013-188T00:46:00		000T02:00:00	2013-188T02:46:00	ISS_NAC to Rings	POS_Z to 136.4/31.5	No Preference to secondary pointing
SP_194EA_DLTURN188_PRIME		2013-188T02:46:00		000T00:40:00	2013-188T03:26:00	XBAND to Earth	POS_X to NEP	
SP_194EA_C70METNON188_PRIME	C, N	2013-188T03:26:00		000T02:55:00	2013-188T06:21:00	XBAND to Earth	Rolling	
Periapse R = 10.232 Rs, lat...		2013-188T04:08:30		000T00:00:01	2013-188T04:08:31			
SP_194EA_C34HEFOTP188_PRIME	C, E, N	2013-188T06:21:00		000T06:05:00	2013-188T12:26:00	XBAND to Earth	POS_X to NEP	rolling 1st hour (used to be 9 hr 70M pass with 4 hr rolling, now 3 hr 70M/6 hr HEF in rev 2 allocations)
SP_194SA_WAYPTTURN188_PRIME		2013-188T12:26:00		000T00:40:00	2013-188T13:06:00	ISS_NAC to Saturn	NEG_X to 136.4/31.5	
NEW WAYPOINT		2013-188T13:06:00		001T00:00:00	2013-189T13:06:00	ISS_NAC to Saturn	NEG_X to 136.4/31.5	
CIRS_194RI_SHADINGL001_PRIME	C	2013-188T13:06:00		000T05:00:00	2013-188T18:06:00	CIRS_FP1 to Rings	NEG_X to 136.4/31.5	internal hand-off to CIRS_FP3 to eta Carina plus small offset
CIRS_194RI_ETACAROC001_PRIME	C, I, V	2013-188T18:06:00		000T03:54:00	2013-188T22:00:00	CIRS_FP3 to 161.262/-59.686	POS_X to SC_N_Orbit Pole	
CIRS_194RI_SHADINGL002_PRIME	C	2013-188T22:00:00		000T02:21:00	2013-189T00:21:00	CIRS_FP1 to Rings	NEG_X to 136.4/31.5	
UVIS_194ST_URDELGEN001_PRIME	C, I	2013-189T00:21:00		000T02:25:00	2013-189T02:46:00	UVIS_HSP to 182.089/-50.722	NEG_X to 136.4/31.5	No Preference to secondary pointing
SP_194EA_DLTURN189_PRIME		2013-189T02:46:00		000T00:14:00	2013-189T03:00:00	XBAND to Earth	NEG_Y to Saturn	pt 1 of 2
SP_194EA_DLTURN389_PRIME		2013-189T03:00:00		000T00:26:00	2013-189T03:26:00	XBAND to Earth	POS_X to NEP	pt 2 of 2
SP_194EA_C70UNQOTB189_PRIME	C, N	2013-189T03:26:00		000T09:00:00	2013-189T12:26:00	XBAND to Earth	POS_X to NEP	CAPS. POS_X to NEP or NSP. OTB. SID suspend. CIRS heating
SP_194SA_WAYPTTURN189_PRIME		2013-189T12:26:00		000T00:40:00	2013-189T13:06:00	ISS_NAC to Saturn	POS_Z to 136.4/31.5	
NEW WAYPOINT		2013-189T13:06:00		000T22:50:00	2013-190T11:56:00	ISS_NAC to Saturn	POS_Z to 136.4/31.5	
VIMS_194RI_2CENOC001_PRIME	C, I	2013-189T13:06:00		000T08:54:00	2013-189T22:00:00	VIMS_IR to 207.361/-34.451	NEG_X to Sun	
CIRS_194RI_NP20L70019_PIE	C, U	2013-189T22:00:00		000T04:00:00	2013-190T02:00:00	CIRS_FP1 to Rings	POS_Z to 136.4/31.5	
CIRS_194RI_NP20L30019_PRIME	C	2013-190T02:00:00		000T06:00:00	2013-190T08:00:00	CIRS_FP1 to Rings	POS_Z to 136.4/31.5	No Preference to secondary pointing
UVIS_194EN_LOPHASE001_PIE	C, I, V	2013-190T08:00:00		000T03:16:00	2013-190T11:16:00	UVIS_FUV to Enceladus	POS_Z to NSP	
SP_194EA_DLTURN190_PRIME		2013-190T11:16:00		000T00:40:00	2013-190T11:56:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
NEW WAYPOINT		2013-190T11:56:00		000T11:10:00	2013-190T23:06:00	XBAND to Earth	NEG_Y to 329.0/-67.0	
ENGR_194SC_KPTYBIAS190_PRIME		2013-190T11:56:00		000T01:30:00	2013-190T13:26:00	POS_Z to DELTA_H (0,0,0,0,60.002 deg. offset)	NEG_X to Sun	
SP_194EA_M70METNON190_PRIME	C	2013-190T13:26:00		000T06:40:00	2013-190T20:06:00	XBAND to Earth	NEG_Y to 329.0/-67.0	MIMI. NEG_Y to Saturn (0,0,45). pre-TOST flyby. CIRS heating
Titan Flyby T92 Segment		2013-190T22:26:00		003T07:15:00	2013-194T05:41:00			
SP_194TI_WAYPTTURN190_PRIME		2013-190T22:26:00		000T00:40:00	2013-190T23:06:00	NEG_Y to Titan	NEG_X to NEP	
NEW WAYPOINT		2013-190T23:06:00		001T05:05:00	2013-192T04:11:00	NEG_Y to Titan	NEG_X to NEP	
SP_194NA_DEADTIME190_PRIME		2013-190T23:06:00		000T00:14:59	2013-190T23:20:59	NEG_Y to Titan	NEG_X to NEP	
ISS_194TI_MONITORNA001_PRIME	C, V	2013-190T23:20:59	GMB_E194_TITAN_T92-000T14:00:48	000T02:00:48	2013-191T01:21:47	ISS_NAC to Titan	NEG_X to Sun	
CIRS_194TI_FIRNADCMPO01_PRIME	I, U, V	2013-191T01:21:47	GMB_E194_TITAN_T92-000T12:00:00	000T03:00:00	2013-191T04:21:47	CIRS_FP1 to Titan	PIC	
CIRS_194TI_MIRLBINT001_PRIME	I, V	2013-191T04:21:47	GMB_E194_TITAN_T92-000T09:00:00	000T03:00:00	2013-191T07:21:47	CIRS_FPB to Titan	PIC	
Begin custom period		2013-191T07:21:47	GMB_E194_TITAN_T92-000T06:00:00	000T00:00:01	2013-191T07:21:48			
RADAR_194TI_T92INRAD001_PRIME		2013-191T07:21:47	GMB_E194_TITAN_T92-000T06:00:00	000T03:45:00	2013-191T11:06:47	NEG_Z to Titan	NEG_X to NTP	Pick up at NEG_Y to Titan, NEG_X to NEP; Hand off at NEG_Z to Titan, POS_Y to NTP. Use -X to NTP and +Y to NTP secondaries for two polarizations.
RADAR_194TI_T92INSCAT001_PRIME	M	2013-191T11:06:47	GMB_E194_TITAN_T92-000T02:15:00	000T01:03:00	2013-191T12:09:47	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, NEG_X to NTP.
RADAR_194TI_T92IHISAR001_PRIME	M	2013-191T12:09:47	GMB_E194_TITAN_T92-000T01:12:00	000T00:41:00	2013-191T12:50:47	NEG_Z to Titan	NEG_X to NTP	Pick up at NEG_Z to Titan, NEG_X to NTP; Hand off at NEG_Z to Titan, NEG_X to NTP.
ENGR_194SC_RADRCS191_PRIME	M	2013-191T12:50:47	GMB_E194_TITAN_T92-000T00:31:00	000T00:01:00	2013-191T12:51:47	NEG_Z to Titan	NEG_X to NTP	Pick up at NEG_Z to Titan, NEG_X to NTP; Hand off at NEG_Z to Titan, NEG_X to NTP. Deadband = (0.5,0.5,2) For RADAR
RADAR_194TI_T92INALT001_PRIME	M	2013-191T12:51:47	GMB_E194_TITAN_T92-000T00:30:00	000T00:12:00	2013-191T13:03:47	NEG_Z to Titan	NEG_X to Titan_SC_RAM	Pick up at NEG_Z to Titan, NEG_X to NTP; Hand off at NEG_Z to Titan, NEG_X to Titan_SC_RAM.
Begin Dual Playback Science		2013-191T13:03:47	GMB_E194_TITAN_T92-000T00:18:00	000T00:00:01	2013-191T13:03:48			
RADAR_194TI_T92INOSAR001_PRIME	M	2013-191T13:03:47	GMB_E194_TITAN_T92-000T00:18:00	000T00:36:00	2013-191T13:39:47	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, NEG_X to Titan_SC_RAM.
194TI (t) T92 TITAN Outbou...		2013-191T13:21:47		000T00:00:01	2013-191T13:21:48			
End Dual Playback Science		2013-191T13:39:47	GMB_E194_TITAN_T92+000T00:18:00	000T00:00:01	2013-191T13:39:48			

RADAR_194TI_T92OUTALT001_PRIME	M	2013-191T13:39:47	GMB_E194_TITAN_T92+000T00:18:00	000T00:12:00	2013-191T13:51:47	NEG_Z to Titan	NEG_X to NEP	Pick up at NEG_Z to Titan, NEG_X to Titan_SC_RAM; Hand off at NEG_Z to Titan, NEG_X to NEP.
RADAR_194TI_T92OHISAR001_PRIME	M	2013-191T13:51:47	GMB_E194_TITAN_T92+000T00:30:00	000T00:30:00	2013-191T14:21:47	NEG_Z to Titan	NEG_X to NEP	Pick up at NEG_Z to Titan, NEG_X to NEP; Hand off at VIMS_IR to Titan, NEG_X to NEP.
ENGR_194SC_DFPWBIA5191_PPS	C, M, V	2013-191T14:21:42	GMB_E194_TITAN_T92+000T00:59:55	000T00:21:09	2013-191T14:42:51	VIMS_IR to Titan	NEG_X to NEP	Pick up at VIMS_IR to Titan, NEG_X to NEP; Hand off at VIMS_IR to Titan, NEG_X to NEP. Deadband=(2,2,20)
VIMS_194TI_HIRES001_PRIME	C, I, M	2013-191T14:43:47	GMB_E194_TITAN_T92+000T01:22:00	000T00:53:00	2013-191T15:36:47	VIMS_IR to Titan	NEG_X to NEP	Pick up at VIMS_IR to Titan, NEG_X to NEP; Hand off at VIMS_IR to Titan, NEG_X to NEP.
VIMS_194TI_REGMAP001_PRIME	C, I	2013-191T15:36:47	GMB_E194_TITAN_T92+000T02:15:00	000T02:45:00	2013-191T18:21:47	VIMS_IR to Titan	NEG_X to NEP	Pick up at VIMS_IR to Titan, NEG_X to NEP; Hand off at VIMS_IR to Titan, NEG_X to NEP.
VIMS_194TI_MEDRES001_PRIME	C, I	2013-191T18:21:47	GMB_E194_TITAN_T92+000T05:00:00	000T04:00:00	2013-191T22:21:47	VIMS_IR to Titan	NEG_X to NEP	Pick up at VIMS_IR to Titan, NEG_X to NEP; Hand off at NEG_Y to Titan, NEG_X to NEP.
End custom period		2013-191T22:21:47	GMB_E194_TITAN_T92+000T09:00:00	000T00:00:01	2013-191T22:21:48			
ISS_194TI_MONITORNA002_PRIME	C, V	2013-191T22:21:47	GMB_E194_TITAN_T92+000T09:00:00	000T04:54:12	2013-192T03:15:59	ISS_NAC to Titan	NEG_X to Sun	
SP_194NA_DEADTIME192_PRIME		2013-192T03:15:59	GMB_E194_TITAN_T92+000T13:54:12	000T00:15:00	2013-192T03:30:59	NEG_Y to Titan	NEG_X to NEP	
SP_194EA_DLTURN192_PRIME		2013-192T03:31:00		000T00:40:00	2013-192T04:11:00	XBAND to Earth	NEG_Y to 114.0/-48.0	
NEW WAYPOINT		2013-192T04:11:00		000T11:40:00	2013-192T15:51:00	XBAND to Earth	NEG_Y to 114.0/-48.0	
SP_194EA_C70METUNQ192_PRIME	C	2013-192T04:11:00		000T08:20:00	2013-192T12:31:00	XBAND to Earth	Rolling	MIMI. NEG_Y to Saturn (0,0,-45). CIRS heating
Pointer Reset in preparatio...		2013-192T12:31:00		000T00:00:01	2013-192T12:31:01			
SP_194EA_M70METNON192_PRIME		2013-192T13:26:00		000T01:45:00	2013-192T15:11:00	XBAND to Earth	Rolling	-Y to Saturn (0,0,45) for MIMI
SP_194TI_WAYPTTURN192_PRIME		2013-192T15:11:00		000T00:40:00	2013-192T15:51:00	NEG_Y to Titan	NEG_X to 354.0/28.0	
NEW WAYPOINT		2013-192T15:51:00		001T03:20:00	2013-193T19:11:00	NEG_Y to Titan	NEG_X to 354.0/28.0	
ISS_194TI_CLOUD001_PRIME	V	2013-192T15:51:00		000T04:00:00	2013-192T19:51:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_194TI_CLOUD002_PRIME	V	2013-192T19:51:00		000T04:00:00	2013-192T23:51:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_194TI_CLOUD003_PRIME	V	2013-192T23:51:00		000T04:00:00	2013-193T03:51:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_194TI_CLOUD004_PRIME	V	2013-193T03:51:00		000T04:00:00	2013-193T07:51:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_194TI_CLOUD005_PRIME	V	2013-193T07:51:00		000T04:00:00	2013-193T11:51:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_194TI_CLOUD006_PRIME	V	2013-193T11:51:00		000T03:40:00	2013-193T15:31:00	ISS_NAC to Titan	NEG_X to Sun	
RADAR_194TI_RADIOMCAL127_PRIME		2013-193T15:31:00		000T02:00:00	2013-193T17:31:00	NEG_Z to Titan	NEG_X to 354.0/28.0	
ISS_194TI_CLOUD007_PRIME	V	2013-193T17:31:00		000T01:00:00	2013-193T18:31:00	ISS_NAC to Titan	NEG_X to Sun	
SP_194EA_DLTURN193_PRIME		2013-193T18:31:00		000T00:40:00	2013-193T19:11:00	XBAND to Earth	NEG_Y to 114.0/-48.0	
NEW WAYPOINT		2013-193T19:11:00		000T11:10:00	2013-194T06:21:00	XBAND to Earth	NEG_Y to 114.0/-48.0	
SP_194EA_YGAP193_PRIME		2013-193T19:11:00		000T01:30:00	2013-193T20:41:00	XBAND to Earth	NEG_Y to 114.0/-48.0	
SP_194EA_G70METNON193_PRIME	C	2013-193T20:41:00		000T05:45:00	2013-194T02:26:00	XBAND to Earth	Rolling	MIMI. NEG_Y to Saturn (0,0,-45). CIRS heating
SP_194EA_G34BWGNON193_PRIME	C	2013-194T02:26:00		000T03:15:00	2013-194T05:41:00	XBAND to Earth	3_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-45). SID suspend. CIRS heating
SATURN_194_195_Segment		2013-194T05:41:00		006T15:29:00	2013-200T21:10:00			
SP_194SA_WAYPTTURN194_PRIME		2013-194T05:41:00		000T00:40:00	2013-194T06:21:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-194T06:21:00		000T14:19:00	2013-194T20:40:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_194SA_EUVFUV001_PRIME	I, V	2013-194T06:21:00		000T10:40:00	2013-194T17:01:00	UVIS_FUV to Saturn	NEG_X to Sun	
VIMS_194SA_SREGMAP001_PRIME	C, I	2013-194T17:01:00		000T02:59:00	2013-194T20:00:00	ISS_NAC to Saturn	NEG_Z to NSP	
SP_194EA_DLTURN194_PRIME		2013-194T20:00:00		000T00:40:00	2013-194T20:40:00	XBAND to Earth	NEG_X to NEP	
NEW WAYPOINT		2013-194T20:40:00		000T09:40:00	2013-195T06:20:00	XBAND to Earth	NEG_X to NEP	
SP_194EA_G34HEFOTP194_PRIME	C, E, N	2013-194T20:40:00		000T09:00:00	2013-195T05:40:00	XBAND to Earth	4_Hr_Rolling	NEG_X to NEP. OTP. SID suspend
SP_194SA_WAYPTTURN195_PRIME		2013-195T05:40:00		000T00:40:00	2013-195T06:20:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-195T06:20:00		000T14:20:00	2013-195T20:40:00	ISS_NAC to Saturn	NEG_X to Sun	
ISS_194TI_M90R2CLD195_PRIME	C, V	2013-195T06:20:00	E194_M90R2CLD195+000T00:00:00	000T01:30:00	2013-195T07:50:00	ISS_NAC to Titan	NEG_X to Sun	No Preference to secondary pointing
UVIS_194SA_EUVFUV002_PRIME	I, V	2013-195T07:50:00		000T10:40:00	2013-195T18:30:00	UVIS_FUV to Saturn	NEG_X to Sun	
VIMS_194SA_SREGMAP002_PRIME	C, I	2013-195T18:30:00		000T01:30:00	2013-195T20:00:00	ISS_NAC to Saturn	NEG_Z to NSP	
SP_194EA_DLTURN195_PRIME		2013-195T20:00:00		000T00:40:00	2013-195T20:40:00	XBAND to Earth	NEG_X to 281.479/62.659	
NEW WAYPOINT		2013-195T20:40:00		000T09:40:00	2013-195T06:20:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_194EA_G34HEFOTB195_PRIME	C, N	2013-195T20:40:00		000T09:00:00	2013-196T05:40:00	XBAND to Earth	4_Hr_Rolling	NEG_X to NEP. OTB. SID suspend. CIRS heating
SP_194SA_WAYPTTURN196_PRIME		2013-196T05:40:00		000T00:40:00	2013-196T06:20:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-196T06:20:00		000T14:05:00	2013-196T20:25:00	ISS_NAC to Saturn	NEG_X to Sun	
Apoapse Per = 16.0 d, Inc ...		2013-196T06:14:33		000T00:00:01	2013-196T06:14:34			
UVIS_195SA_EUVFUV003_PRIME	I, V	2013-196T06:20:00		000T08:40:00	2013-196T15:00:00	UVIS_FUV to Saturn	NEG_X to Sun	
VIMS_195RI_MUCEPOCC001_PRIME	C, U	2013-196T15:00:00		000T04:45:00	2013-196T19:45:00	VIMS_IR to 325.876/58.78	PIC	
SP_195EA_DLTURN196_PRIME		2013-196T19:45:00		000T00:40:00	2013-196T20:25:00	XBAND to Earth	NEG_X to 281.479/62.659	
NEW WAYPOINT		2013-196T20:25:00		000T11:10:00	2013-197T07:35:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195EA_G34HEFNON196_PRIME	C	2013-196T20:25:00		000T09:00:00	2013-197T05:25:00	XBAND to Earth	Rolling/SRU	NEG_X to NEP. SID suspend. CIRS heating
SP_195EA_YGAP197_PRIME		2013-197T05:25:00		000T01:30:00	2013-197T06:55:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195SA_WAYPTTURN197_PRIME		2013-197T06:55:00		000T00:40:00	2013-197T07:35:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-197T07:35:00		000T11:20:00	2013-197T18:55:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVFUV004_PRIME	I, V	2013-197T07:35:00		000T10:40:00	2013-197T18:15:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN197_PRIME		2013-197T18:15:00		000T00:40:00	2013-197T18:55:00	XBAND to Earth	NEG_X to 281.479/62.659	
NEW WAYPOINT		2013-197T18:55:00		000T11:10:00	2013-198T06:05:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195EA_YGAP397_PRIME		2013-197T18:55:00		000T01:30:00	2013-197T20:25:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195EA_G70METNON197_PRIME	C, E	2013-197T23:25:00		000T06:00:00	2013-198T05:25:00	XBAND to Earth	5_Hr_Rolling	NEG_X to NEP. CIRS heating
SP_195SA_WAYPTTURN198_PRIME		2013-198T05:25:00		000T00:40:00	2013-198T06:05:00	ISS_NAC to Saturn	NEG_X to Sun	

NEW WAYPOINT		2013-198T06:05:00		000T12:50:00	2013-198T18:55:00	ISS_NAC to Saturn	NEG_X to Sun	
ISS_195TI_M9QR2CLD198_PRIME	C, V	2013-198T06:05:00	E195_M9QR2CLD198+00T00:00:00	000T01:30:00	2013-198T07:35:00	ISS_NAC to Titan	NEG_X to Sun	No Preference to secondary pointing
UVIS_195SA_EUVFUV005_PRIME	I, V	2013-198T07:35:00		000T10:40:00	2013-198T18:15:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN198_PRIME		2013-198T18:15:00		000T00:40:00	2013-198T18:55:00	XBAND to Earth	NEG_X to 281.479/62.659	
NEW WAYPOINT		2013-198T18:55:00		000T14:10:00	2013-199T09:05:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195EA_YGAP198_PRIME		2013-198T18:55:00		000T01:30:00	2013-198T20:25:00	XBAND to Earth	NEG_X to 281.479/62.659	
SP_195EA_G34B26NON198_PRIME	C, R	2013-198T20:25:00		000T09:00:00	2013-199T05:25:00	XBAND to Earth	Rolling	NEG_X to NEP. CIRS heating
SP_195EA_C70METNON199_PRIME		2013-199T05:25:00		000T03:00:00	2013-199T08:25:00	XBAND to Earth	3_Hr_Rolling	NEG_X to NEP. CIRS heating
SP_195SA_WAYPTTURN199_PRIME		2013-199T08:25:00		000T00:40:00	2013-199T09:05:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-199T09:05:00		000T11:20:00	2013-199T20:25:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVFUV006_PRIME	I, V	2013-199T09:05:00		000T10:40:00	2013-199T19:45:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN199_PRIME		2013-199T19:45:00		000T00:40:00	2013-199T20:25:00	XBAND to Earth	NEG_X to NEP	
NEW WAYPOINT		2013-199T20:25:00		001T09:45:00	2013-201T06:10:00	XBAND to Earth	NEG_X to NEP	
SP_195EA_G34B26NON199_PRIME	C, N, U	2013-199T20:25:00		000T02:15:00	2013-199T22:40:00	XBAND to Earth	Rolling	NEG_X to NEP. OTP. CIRS heating
SP_195EA_G70METOTP199_PRIME	C, E, N, U	2013-199T22:40:00		000T06:45:00	2013-200T05:25:00	XBAND to Earth	2_Hr_Rolling	NEG_X to NEP. OTP. CIRS heating
MAG_195SU_CALROLL001_PRIME		2013-200T05:25:00		000T07:15:00	2013-200T12:40:00	NEG_X to Earth (0,0,0,-30.0 deg. offset)	Rolling	
SP_195EA_M34HEFOTB200_PRIME	C, N, U	2013-200T12:40:00		000T08:30:00	2013-200T21:10:00	XBAND to Earth	Rolling	NEG_X to NEP. OTB. CIRS heating
Begin Custom		2013-200T21:10:00		000T00:00:01	2013-200T21:10:01			
RINGS_195 Segment		2013-200T21:10:00		001T00:30:00	2013-201T21:40:00			
VIMS_195RI_HIPHASEC001_PIE	C, I, U	2013-200T21:10:00		000T06:08:00	2013-201T03:18:00	VIMS_IR to Rings	POS_Z to NSP	Pick up at XBAND to Earth, NEG_X to NEP; Hand off at VIMS_IR_SOL to Sun, POS_Z to NSP. Collaborative Rider(s): ISS. Stay outside 12 degrees to Sun except 22:17 - 02:49.
Begin Dual Playback Science...		2013-200T21:17:19		000T00:00:01	2013-200T21:17:20			
End Dual Playback Science f...		2013-201T03:18:00		000T00:00:01	2013-201T03:18:01			
VIMS_195SU_SOLARPORT001_PRIME		2013-201T03:18:00		000T02:42:00	2013-201T06:00:00	VIMS_IR_SOL to Sun	POS_Z to NSP	Pick up at VIMS_IR_SOL to Sun, POS_Z to NSP; Hand off at XBAND to Earth, NEG_X to NEP.
End Custom		2013-201T06:00:00		000T00:00:01	2013-201T06:00:01			
SP_195EA_DLTURN201_PRIME		2013-201T06:00:00		000T00:10:00	2013-201T06:10:00	XBAND to Earth	NEG_Y to 118.0/-24.0	
NEW WAYPOINT		2013-201T06:10:00		000T16:10:00	2013-201T22:20:00	XBAND to Earth	NEG_Y to 118.0/-24.0	
SP_195EA_YGAP201_PRIME		2013-201T06:10:00		000T01:30:00	2013-201T07:40:00	XBAND to Earth	NEG_Y to 118.0/-24.0	
SP_195EA_C70METNON201_PRIME		2013-201T07:40:00		000T05:00:00	2013-201T12:40:00	XBAND to Earth	Rolling	MIMI. NEG_Y to Saturn (0,0,-9.5). CIRS heating
Pointer Reset in preparatio...		2013-201T12:40:00		000T00:00:01	2013-201T12:40:01			
SP_195EA_M34BWGNON201_PRIME	C, R	2013-201T12:40:00		000T09:00:00	2013-201T21:40:00	XBAND to Earth	2_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-9.5). CIRS heating
SATURN_195 Segment		2013-201T21:40:00		004T14:59:00	2013-206T12:39:00			
SP_195EA_WAYPTTURN201_PRIME		2013-201T21:40:00		000T00:40:00	2013-201T22:20:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-201T22:20:00		000T02:35:00	2013-202T00:55:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE001_PIE	I, V	2013-201T22:20:00		000T01:55:00	2013-202T00:15:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
SP_195EA_DLTURN202_PRIME		2013-202T00:15:00		000T00:40:00	2013-202T00:55:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
NEW WAYPOINT		2013-202T00:55:00		000T11:10:00	2013-202T12:05:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
ENGR_195SC_KPTYBIAS202_PRIME		2013-202T00:55:00		000T01:30:00	2013-202T02:25:00	NEG_Z to DELTA_H (0,0,0,0,69.999 deg. offset)	NEG_X to Sun	
SP_195EA_C70METNON202_PRIME	C	2013-202T02:25:00		000T09:00:00	2013-202T11:25:00	XBAND to Earth	6_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-9.5). CIRS heating
SP_195EA_WAYPTTURN202_PRIME		2013-202T11:25:00		000T00:40:00	2013-202T12:05:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-202T12:05:00		000T12:49:00	2013-203T00:54:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE002_PIE	I, V	2013-202T12:05:00		000T10:40:00	2013-202T22:45:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
VIMS_195SA_AURSTAR001_PRIME	C, I	2013-202T22:45:00		000T01:29:00	2013-203T00:14:00	ISS_NAC to Saturn	POS_Z to NSP	
SP_195EA_DLTURN203_PRIME		2013-203T00:14:00		000T00:40:00	2013-203T00:54:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
NEW WAYPOINT		2013-203T00:54:00		000T11:10:00	2013-203T12:04:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
ENGR_195SC_KPTYBIAS203_PRIME		2013-203T00:54:00		000T01:30:00	2013-203T02:24:00	POS_Z to DELTA_H (0,0,0,0,65.001 deg. offset)	NEG_X to Sun	
SP_195EA_C34BWGNON203_PRIME	C	2013-203T02:24:00		000T09:00:00	2013-203T11:24:00	XBAND to Earth	5_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-9.5). SID suspend. CIRS heating
SP_195EA_WAYPTTURN203_PRIME		2013-203T11:24:00		000T00:40:00	2013-203T12:04:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-203T12:04:00		000T14:20:00	2013-204T02:24:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE003_PIE	I, V	2013-203T12:04:00		000T10:40:00	2013-203T22:44:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
VIMS_195SA_NPOLMOV001_PRIME	C, I	2013-203T22:44:00		000T03:00:00	2013-204T01:44:00	ISS_NAC to Saturn	POS_Z to NSP	
SP_195EA_DLTURN204_PRIME		2013-204T01:44:00		000T00:40:00	2013-204T02:24:00	XBAND to Earth	POS_X to NEP	
NEW WAYPOINT		2013-204T02:24:00		000T09:40:00	2013-204T12:04:00	XBAND to Earth	POS_X to NEP	
SP_195EA_C34HEFOTP204_PRIME	C, E, N	2013-204T02:24:00		000T09:00:00	2013-204T11:24:00	XBAND to Earth	4_Hr_Rolling	CAPS. POS_X to NEP or NSP. OTP. SID suspend. CIRS heating
Periapse R = 15.370 Rs, lat...		2013-204T05:40:19		000T00:00:01	2013-204T05:40:20			
SP_195EA_WAYPTTURN204_PRIME		2013-204T11:24:00		000T00:40:00	2013-204T12:04:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-204T12:04:00		000T14:20:00	2013-205T02:24:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE004_PIE	I, V	2013-204T12:04:00		000T10:40:00	2013-204T22:44:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
VIMS_195SA_NHEMMA001_PRIME	C, I	2013-204T22:44:00		000T03:00:00	2013-205T01:44:00	ISS_NAC to Saturn	POS_Z to NSP	
SP_195EA_DLTURN205_PRIME		2013-205T01:44:00		000T00:40:00	2013-205T02:24:00	XBAND to Earth	POS_X to NEP	
NEW WAYPOINT		2013-205T02:24:00		000T09:40:00	2013-205T12:04:00	XBAND to Earth	POS_X to NEP	
SP_195EA_C70UNQOTB205_PRIME	C, N	2013-205T02:24:00		000T08:30:00	2013-205T10:54:00	XBAND to Earth	POS_X to NEP	CAPS. same secondary as OTP pass. OTB. CIRS heating
SP_195EA_WAYPTTURN205_PRIME		2013-205T11:24:00		000T00:40:00	2013-205T12:04:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-205T12:04:00		000T14:05:00	2013-206T02:09:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE005_PIE	I, V	2013-205T12:04:00		000T08:21:00	2013-205T20:25:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
VIMS_195SA_WHYAOC001_PRIME		2013-205T20:25:00		000T00:40:00	2013-205T21:05:00	VIMS_IR to 207.261/-28.368	NEG_X to Sun	No Preference to secondary pointing

UVIS_195SA_EUVPIE006_PIE	I, V	2013-205T21:05:00		000T04:24:00	2013-206T01:29:00	UVIS_FUV to Saturn	NEG_X to Sun	This is a PIE
SP_195EA_DLTURN206_PRIME		2013-206T01:29:00		000T00:40:00	2013-206T02:09:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
NEW WAYPOINT		2013-206T02:09:00		000T11:10:00	2013-206T13:19:00	XBAND to Earth	NEG_Y to 103.0/-62.0	
ENGR_195SC_KPTYBIAS206_PRIME		2013-206T02:09:00		000T01:30:00	2013-206T03:39:00	POS_Z to DELTA_H (0.0,0.0,-74.998 deg. offset)	NEG_X to Sun	
SP_195EA_C70METNON206_PRIME	C	2013-206T03:39:00		000T06:30:00	2013-206T10:09:00	XBAND to Earth	NEG_Y to 103.0/-62.0	MIMI. NEG_Y to Saturn (0,0,-9.5). pre-TOST flyby. CIRS heating
SP_195EA_C34HEFNON206_PRIME	C	2013-206T10:09:00		000T02:30:00	2013-206T12:39:00	XBAND to Earth	NEG_Y to 103.0/-62.0	MIMI. NEG_Y to Saturn (0,0,-9.5). pre-TOST flyby. CIRS heating
Titan Flyby T93 Segment		2013-206T12:39:00		002T22:30:00	2013-209T11:09:00			
SP_195TI_WAYPTTURN206_PRIME		2013-206T12:39:00		000T00:40:00	2013-206T13:19:00	NEG_Y to Titan	NEG_X to NTP	
NEW WAYPOINT		2013-206T13:19:00		001T12:20:00	2013-208T01:39:00	NEG_Y to Titan	NEG_X to NTP	
SP_195TI_DEADTIME206_PRIME		2013-206T13:19:00		000T00:14:59	2013-206T13:33:59	NEG_Y to Titan	NEG_X to NTP	
CIRS_195TI_MIDIRTMAP001_PRIME	I, V	2013-206T13:33:59	GMB_E195_TITAN_T93-000T22:22:23	000T08:22:23	2013-206T21:56:22	CIRS_FPB to Titan	NEG_X to NTP	
ISS_195TI_MONITORNA001_PRIME	C, V	2013-206T21:56:22	GMB_E195_TITAN_T93-000T14:00:00	000T02:00:00	2013-206T23:56:22	ISS_NAC to Titan	NEG_X to Sun	
CIRS_195TI_FIRNADCMP001_PRIME	I, U, V	2013-206T23:56:22	GMB_E195_TITAN_T93-000T12:00:00	000T03:00:00	2013-207T02:56:22	CIRS_FP1 to Titan	PIC	
UVIS_195TI_EUVFUV001_PRIME	C, I, V	2013-207T02:56:22	GMB_E195_TITAN_T93-000T09:00:00	000T06:45:00	2013-207T09:41:22	UVIS_FUV to Titan	NEG_X to NTP	
Begin Custom		2013-207T09:41:22	GMB_E195_TITAN_T93-000T02:15:00	000T00:00:01	2013-207T09:41:23			
ISS_195TI_REGMAP001_PRIME	C, M, V	2013-207T09:41:22	GMB_E195_TITAN_T93-000T02:15:00	000T01:15:00	2013-207T10:56:22	ISS_NAC to Titan	NEG_X to NTP	Pick up at NEG_Y to Titan, NEG_X to NTP; Hand off at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM.
VIMS_195TI_HIRES001_PRIME	C, I, M	2013-207T10:56:22	GMB_E195_TITAN_T93-000T01:00:00	000T00:30:00	2013-207T11:26:22	VIMS_IR to Titan	NEG_Z to Titan_SC_RAM	Pick up at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM; Hand off at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM.
VIMS_195TI_HIRES002_PRIME	C, I, M	2013-207T11:26:22	GMB_E195_TITAN_T93-000T00:30:00	000T00:40:00	2013-207T12:06:22	VIMS_IR to Titan	NEG_Z to Titan_SC_RAM	Pick up at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM; Hand off at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM.
Begin Dual Playback Science		2013-207T11:47:22	GMB_E195_TITAN_T93-000T00:09:00	000T00:00:01	2013-207T11:47:23			
195TI (t) T93 TITAN Outbou...		2013-207T11:56:22		000T00:00:01	2013-207T11:56:23			
VIMS_195TI_HIRES003_PRIME	C, I, M	2013-207T12:06:22	GMB_E195_TITAN_T93+000T00:10:00	000T00:50:00	2013-207T12:56:22	VIMS_IR to Titan	NEG_Z to Titan_SC_RAM	Pick up at VIMS_IR to Titan, NEG_Z to Titan_SC_RAM; Hand off at ISS_NAC to Titan, NEG_X to Sun.
End Dual Playback Science		2013-207T12:56:22	GMB_E195_TITAN_T93+000T01:00:00	000T00:00:01	2013-207T12:56:23			
ISS_195TI_REGMAP002_PRIME	C, M, V	2013-207T12:56:22	GMB_E195_TITAN_T93+000T01:00:00	000T01:15:00	2013-207T14:11:22	ISS_NAC to Titan	NEG_X to NTP	Pick up at ISS_NAC to Titan, NEG_X to Sun; Hand off at ISS_NAC to Titan, NEG_X to NTP.
ISS_195TI_REGMAP003_PRIME	C, V	2013-207T14:11:22	GMB_E195_TITAN_T93+000T02:15:00	000T01:45:00	2013-207T15:56:22	ISS_NAC to Titan	NEG_X to NTP	Pick up at ISS_NAC to Titan, NEG_X to NTP; Hand off at NEG_Y to Titan, NEG_X to NTP.
End Custom		2013-207T15:56:22	GMB_E195_TITAN_T93+000T04:00:00	000T00:00:01	2013-207T15:56:23			
CIRS_195TI_MIRLMBMAP002_PRIME	V	2013-207T15:56:22	GMB_E195_TITAN_T93+000T04:00:00	000T05:00:00	2013-207T20:56:22	CIRS_FPB to Titan	PIC	
VIMS_195TI_GLOBMAP001_PRIME	C, I	2013-207T20:56:22	GMB_E195_TITAN_T93+000T09:00:00	000T03:47:37	2013-208T00:43:59	VIMS_IR to Titan	NEG_X to NTP	Collaborative Rider(s): ISS
SP_195TI_DEADTIME208_PRIME		2013-208T00:43:59	GMB_E195_TITAN_T93+000T12:47:37	000T00:15:01	2013-208T00:59:00	NEG_Y to Titan	NEG_X to NTP	
SP_195EA_DLTURN208_PRIME		2013-208T00:59:00		000T00:40:00	2013-208T01:39:00	XBAND to Earth (0.0,0.0,-45.0 deg. offset)	NEG_Y to Saturn	
NEW WAYPOINT		2013-208T01:39:00		000T13:40:00	2013-208T15:19:00	XBAND to Earth (0.0,0.0,-45.0 deg. offset)	NEG_Y to Saturn	
ENGR_195SC_KPTYBIAS208_PRIME		2013-208T01:39:00		000T01:30:00	2013-208T03:09:00	NEG_Z to DELTA_H (0.0,0.0,-24.999 deg. offset)	NEG_X to Sun	
SP_195EA_C70METNON208_PRIME	C, M, R	2013-208T03:09:00		000T09:06:00	2013-208T12:15:00	XBAND to Earth (0.0,0.0,-45.0 deg. offset)	5_Hr_Rolling	Collaborative Rider(s): CAPS. MIMI. NEG_Y to Saturn (0,0,-45). CIRS heating
Pointer Reset in preparatio...		2013-208T12:15:00		000T00:00:01	2013-208T12:15:01			
SP_195EA_M34BWGNON208_PRIME	C, R	2013-208T12:15:00		000T02:24:00	2013-208T14:39:00	XBAND to Earth (0.0,0.0,-45.0 deg. offset)	NEG_Y to Saturn	MIMI. NEG_Y to Saturn (0,0,-45). CIRS heating
SP_195TI_WAYPTTURN209_PRIME		2013-208T14:39:00		000T00:40:00	2013-208T15:19:00	NEG_Y to Titan	NEG_X to NTP	
NEW WAYPOINT		2013-208T15:19:00		000T09:20:00	2013-209T00:39:00	NEG_Y to Titan	NEG_X to NTP	
ISS_195TI_CLOUD001_PRIME	C, V	2013-208T15:19:00		000T04:00:00	2013-208T19:19:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_195TI_CLOUD002_PRIME	C, V	2013-208T19:19:00		000T03:40:00	2013-208T22:59:00	ISS_NAC to Titan	NEG_X to Sun	
ISS_195TI_CLOUD003_PRIME	C, V	2013-208T22:59:00		000T01:00:00	2013-208T23:59:00	ISS_NAC to Titan	NEG_X to Sun	
SP_195EA_DLTURN209_PRIME		2013-208T23:59:00		000T00:40:00	2013-209T00:39:00	XBAND to Earth	NEG_Y to 50.0/20.0	
NEW WAYPOINT		2013-209T00:39:00		000T11:04:00	2013-209T11:43:00	XBAND to Earth	NEG_Y to 50.0/20.0	
SP_195EA_YGAP209_PRIME		2013-209T00:39:00		000T01:30:00	2013-209T02:09:00	XBAND to Earth	NEG_Y to 50.0/20.0	
SP_195EA_C70METNON209_PRIME	C	2013-209T02:09:00		000T09:00:00	2013-209T11:09:00	XBAND to Earth	Rolling	MIMI. NEG_Y to Saturn (0,0,-45) changed due to waypoint issues. SID suspend. CIRS heating
SATURN_195_196 Segment		2013-209T11:09:00		016T22:42:00	2013-226T09:51:00			
SP_195SA_WAYPTTURN209_PRIME		2013-209T11:09:00		000T00:34:00	2013-209T11:43:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-209T11:43:00		000T12:40:00	2013-210T00:23:00	ISS_NAC to Saturn	NEG_X to Sun	
UVIS_195SA_EUVPIE007_PRIME	I	2013-209T11:43:00		000T12:00:00	2013-209T23:43:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN409_PRIME		2013-209T23:43:00		000T00:40:00	2013-210T00:23:00	XBAND to Earth	NEG_Y to 50.0/20.0	
NEW WAYPOINT		2013-210T00:23:00		000T11:10:00	2013-210T11:33:00	XBAND to Earth	NEG_Y to 50.0/20.0	
SP_195EA_YGAP210_PRIME		2013-210T00:23:00		000T01:30:00	2013-210T01:53:00	XBAND to Earth	NEG_Y to 50.0/20.0	
SP_195EA_C34BWGNON210_PRIME	C	2013-210T01:53:00		000T09:00:00	2013-210T10:53:00	XBAND to Earth	5_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-45) changed due to waypoint issues. SID suspend. CIRS heating
SP_195SA_WAYPTTURN210_PRIME		2013-210T10:53:00		000T00:40:00	2013-210T11:33:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-210T11:33:00		000T14:20:00	2013-211T01:53:00	ISS_NAC to Saturn	NEG_X to Sun	
NAV_195SK_OPNAV101_PRIME		2013-210T11:33:00		000T01:30:00	2013-210T13:03:00	ISS_NAC to Satellites	NEG_X to Sun	No Preference to secondary pointing. Starts at waypoint, ends at same waypoint
UVIS_195SA_EUVPIE008_PRIME	I	2013-210T13:03:00		000T12:00:00	2013-211T01:03:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN211_PRIME		2013-211T01:03:00		000T00:40:00	2013-211T01:53:00	XBAND to Earth	NEG_Y to 50.0/20.0	
NEW WAYPOINT		2013-211T01:53:00		000T09:40:00	2013-211T11:33:00	XBAND to Earth	NEG_Y to 50.0/20.0	

SP_195EA_C34HEFOTP211_PRIME	C, E, N	2013-211T01:53:00		000T09:00:00	2013-211T10:53:00	XBAND to Earth	4_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-45). OTP. SID suspend. CIRS heating
SP_195SA_WAYPTTURN211_PRIME		2013-211T10:53:00		000T00:40:00	2013-211T11:33:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-211T11:33:00		000T14:20:00	2013-212T01:53:00	ISS_NAC to Saturn	NEG_X to Sun	
ISS_195TI_M90R2CLD211_PRIME	C, V	2013-211T11:33:00	E195_M90R2CLD211+000T00:00:00	000T01:30:00	2013-211T13:03:00	ISS_NAC to Titan	NEG_X to Sun	No Preference to secondary pointing
UVIS_195SA_EUVFIE009_PRIME	I	2013-211T13:03:00		000T12:00:00	2013-212T01:03:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN212_PRIME		2013-212T01:13:00		000T00:40:00	2013-212T01:53:00	XBAND to Earth	NEG_Y to 50.0/20.0	
NEW WAYPOINT		2013-212T01:53:00		002T09:25:00	2013-214T11:18:00	XBAND to Earth	NEG_Y to 50.0/20.0	
SP_195EA_C34UNQOTB212_PRIME	C, N	2013-212T01:53:00		000T09:00:00	2013-212T10:53:00	XBAND to Earth	4_Hr_Rolling	MIMI. NEG_Y to Saturn (0,0,-45). same secondary as OTP pass. OTB. SID suspend
ISS_195OT_PAAROT102_PRIME	U	2013-212T10:53:00		001T13:15:00	2013-214T00:08:00	UVIS_FUV to Rocks	NEG_Z to NSP	
SP_195EA_YGAP214_PRIME		2013-214T00:08:00		000T01:30:00	2013-214T01:38:00	XBAND to Earth	NEG_X to 50.0/20.0	
SP_195EA_C70METNON214_PRIME	C	2013-214T01:38:00		000T08:00:00	2013-214T09:38:00	XBAND to Earth	Rolling/SRU	MIMI. NEG_Y to (302/6.5) changed due to waypoint issues. SID suspend. CIRS heating
SP_195SA_WAYPTTURN214_PRIME		2013-214T10:38:00		000T00:40:00	2013-214T11:18:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-214T11:18:00		001T06:35:00	2013-215T17:53:00	ISS_NAC to Saturn	NEG_X to Sun	
VIMS_195SA_GLOBMOV001_PRIME		2013-214T11:18:00		000T22:00:00	2013-215T09:18:00	ISS_NAC to Saturn	NEG_Z to NSP	
CIRS_195SA_COMPSIT001_PRIME		2013-215T09:18:00		000T07:55:00	2013-215T17:13:00	CIRS_FP3 to Saturn	NEG_Z to NSP	
SP_195EA_DLTURN215_PRIME		2013-215T17:13:00		000T00:40:00	2013-215T17:53:00	XBAND to Earth	NEG_X to 298.0/25.0	
NEW WAYPOINT		2013-215T17:53:00		000T11:10:00	2013-216T05:03:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_195EA_YGAP215_PRIME		2013-215T17:53:00		000T01:30:00	2013-215T19:23:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_195EA_G34BWGSEQ215_PRIME	C, E, R	2013-215T19:23:00		000T09:00:00	2013-216T04:23:00	XBAND to Earth	NEG_X to 298.0/25.0	CDA. NEG_X to (298/25). CIRS heating
SP_195SA_WAYPTTURN216_PRIME		2013-216T04:23:00		000T00:40:00	2013-216T05:03:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-216T05:03:00		000T18:49:00	2013-216T23:52:00	ISS_NAC to Saturn	NEG_X to Sun	
ISS_195TI_M120R2HZ216_PRIME	C, V	2013-216T05:03:00	E195_M120R2HZ216+000T00:00:00	000T01:30:00	2013-216T06:33:00	ISS_NAC to Titan (0,0,3,0,0,0 deg. offset)	NEG_X to Sun	
UVIS_195SA_EUVFUV010_PRIME	I, M	2013-216T06:33:00		000T16:39:00	2013-216T23:12:00	UVIS_FUV to Saturn	NEG_X to Sun	
SP_195EA_DLTURN216_PRIME	M	2013-216T23:12:00		000T00:40:00	2013-216T23:52:00	XBAND to Earth	NEG_X to 298.0/25.0	
NEW WAYPOINT		2013-216T23:52:00		000T11:10:00	2013-217T11:02:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_195EA_YGAP216_PRIME	M	2013-216T23:52:00		000T01:30:00	2013-217T01:22:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_195EA_C70UNQSEQ217_PRIME	C, M	2013-217T01:22:00		000T09:00:00	2013-217T10:22:00	XBAND to Earth	NEG_X to 298.0/25.0	CDA. NEG_X to (298/25). CIRS heating
SP_195SA_WAYPTTURN217_PRIME		2013-217T10:22:00		000T00:40:00	2013-217T11:02:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-217T11:02:00		000T12:50:00	2013-217T23:52:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_195SA_MIRMAP001_PRIME	V	2013-217T11:02:00		000T12:10:00	2013-217T23:12:00	CIRS_FP3 to Saturn	NEG_Z to NSP	
Apoapse Per = 23.9 d, inc ...		2013-217T16:37:48		000T00:00:01	2013-217T16:37:49			
SP_196EA_DLTURN217_PRIME		2013-217T23:12:00		000T00:40:00	2013-217T23:52:00	XBAND to Earth	NEG_X to 298.0/25.0	
NEW WAYPOINT		2013-217T23:52:00		000T11:10:00	2013-218T11:02:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_196EA_YGAP217_PRIME		2013-217T23:52:00		000T01:30:00	2013-218T01:22:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_196EA_C34HEFSEQ218_PRIME	C, M	2013-218T01:22:00		000T09:00:00	2013-218T10:22:00	XBAND to Earth	NEG_X to 298.0/25.0	CDA. NEG_X to (298/25). CIRS heating
SP_196SA_WAYPTTURN218_PRIME	M	2013-218T10:22:00		000T00:40:00	2013-218T11:02:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-218T11:02:00		000T14:20:00	2013-219T01:22:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_196SA_MIRMAP001_PRIME	M, V	2013-218T11:02:00		000T13:40:00	2013-219T00:42:00	CIRS_FP3 to Saturn	NEG_Z to NSP	
SP_196EA_DLTURN219_PRIME		2013-219T00:42:00		000T00:40:00	2013-219T01:22:00	XBAND to Earth	NEG_X to 298.0/25.0	
NEW WAYPOINT		2013-219T01:22:00		003T10:55:00	2013-222T12:17:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_196EA_C34HEFOTP219_PRIME	C, E, N	2013-219T01:22:00		000T09:00:00	2013-219T10:22:00	XBAND to Earth	4_Hr_Rolling	CDA. NEG_X to (298/25). OTP. CIRS heating
MAG_196SU_CALROLO01_PRIME	M	2013-219T10:22:00		000T15:00:00	2013-220T01:22:00	NEG_X to Earth (0,0,0,0,-30.0 deg. offset)	Rolling	
SP_196EA_C34UNQOTB220_PRIME	C, M, N	2013-220T01:22:00		000T09:00:00	2013-220T10:22:00	XBAND to Earth	Rolling	CDA. same as OTP pass. OTB. CIRS heating
RSS_196RI_OCC001_PIE	M	2013-220T14:36:59		000T09:11:57	2013-220T23:48:56	XBAND to Earth	PIC	
CDA_196DR_ISD0056003_PRIME		2013-220T23:49:00		001T01:00:00	2013-222T00:49:00	NEG_Z to Sun	POS_X to 127.5/-9.0	
SP_196EA_C70METSEQ222_PRIME	C	2013-222T01:07:00		000T09:00:00	2013-222T10:07:00	XBAND to Earth	Rolling	CDA. NEG_X to (298/25). CIRS heating
SP_196EA_YGAP222_PRIME		2013-222T10:07:00		000T01:30:00	2013-222T11:37:00	XBAND to Earth	NEG_X to 298.0/25.0	
SP_196SA_WAYPTTURN222_PRIME		2013-222T11:37:00		000T00:26:00	2013-222T12:03:00	ISS_NAC to Saturn (0,0,0,0,5,0 deg. offset)	NEG_X to Sun	
SP_196SA_WAYPTTURN422_PRIME		2013-222T12:03:00		000T00:14:00	2013-222T12:17:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-222T12:17:00		001T11:04:00	2013-223T23:21:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_196SA_COMPSIT001_PRIME	U, V	2013-222T12:17:00		000T08:50:00	2013-222T21:07:00	CIRS_FP3 to Saturn	POS_Z to NSP	
UVIS_196IA_ICYEX001_PRIME	I	2013-222T21:07:00		000T01:04:00	2013-222T22:11:00	UVIS_FUV to 81.283/6.35	NEG_X to Sun	Duration requested includes possible turn time. Actual occ is from 21:37 to 21:41.
UVIS_196SA_EUVFUV001_PRIME	I	2013-222T22:11:00		000T16:00:00	2013-223T14:11:00	UVIS_FUV to Saturn	NEG_X to Sun	
CIRS_196SA_COMPSIT002_PRIME	U, V	2013-223T14:11:00		000T08:30:00	2013-223T22:41:00	CIRS_FP3 to Saturn	POS_Z to NSP	
SP_196EA_DLTURN223_PRIME		2013-223T22:41:00		000T00:40:00	2013-223T23:21:00	XBAND to Earth (0,0,0,0,-9.5 deg. offset)	NEG_Y to Saturn	
NEW WAYPOINT		2013-223T23:21:00		000T11:10:00	2013-224T10:31:00	XBAND to Earth (0,0,0,0,-9.5 deg. offset)	NEG_Y to Saturn	
ENGR_196SC_KPTYBIAS223_PRIME		2013-223T23:21:00		000T01:30:00	2013-224T00:51:00	NEG_Z to DELTA_H (0,0,0,0,54.998 deg. offset)	NEG_X to Sun	
SP_196EA_C34HEFSEQ224_PRIME	C	2013-224T00:51:00		000T09:00:00	2013-224T09:51:00	XBAND to Earth (0,0,0,0,-9.5 deg. offset)	Rolling	MIMI. NEG_Y to Saturn (0,0,-9.5). CIRS heating
SP_196SA_WAYPTTURN224_PRIME		2013-224T09:51:00		000T00:40:00	2013-224T10:31:00	ISS_NAC to Saturn	NEG_X to Sun	
NEW WAYPOINT		2013-224T10:31:00		001T14:20:00	2013-226T00:51:00	ISS_NAC to Saturn	NEG_X to Sun	
VIMS_196SA_REGWIND001_PRIME	C	2013-224T10:31:00		000T05:00:00	2013-224T15:31:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_196SA_COMPSIT003_PRIME	I, U	2013-224T15:31:00		000T06:00:00	2013-224T21:31:00	CIRS_FP3 to Saturn	POS_Z to NSP	Collaborative Rider(s): ISS
VIMS_196SA_REGWIND002_PRIME	C	2013-224T21:31:00		000T05:00:00	2013-225T02:31:00	ISS_NAC to Saturn	NEG_X to Sun	
VIMS_196SA_REGWIND003_PRIME	C	2013-225T02:31:00		000T05:00:00	2013-225T07:31:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_196SA_COMPSIT004_PRIME	I, U	2013-225T07:31:00		000T06:00:00	2013-225T13:31:00	CIRS_FP3 to Saturn	POS_Z to NSP	Collaborative Rider(s): ISS
VIMS_196SA_REGWIND004_PRIME	C	2013-225T13:31:00		000T05:00:00	2013-225T18:31:00	ISS_NAC to Saturn	NEG_X to Sun	
CIRS_196SA_COMPSIT005_PRIME	I, U	2013-225T18:31:00		000T05:40:00	2013-226T00:11:00	CIRS_FP1 to Saturn	POS_Z to NSP	Collaborative Rider(s): ISS
SP_196EA_DLTURN226_PRIME		2013-226T00:11:00		000T00:40:00	2013-226T00:51:00	XBAND to Earth	NEG_Y to 115.0/-40.0	
NEW WAYPOINT		2013-226T00:51:00		000T09:00:00	2013-226T09:51:00	XBAND to Earth	NEG_Y to 115.0/-40.0	
SP_196EA_C70METSEQ226_PRIME	C	2013-226T00:51:00		000T09:00:00	2013-226T09:51:00	XBAND to Earth	NEG_Y to 115.0/-40.0	MIMI. NEG_Y to Saturn (0,0,-9.5). EOS