# SOST

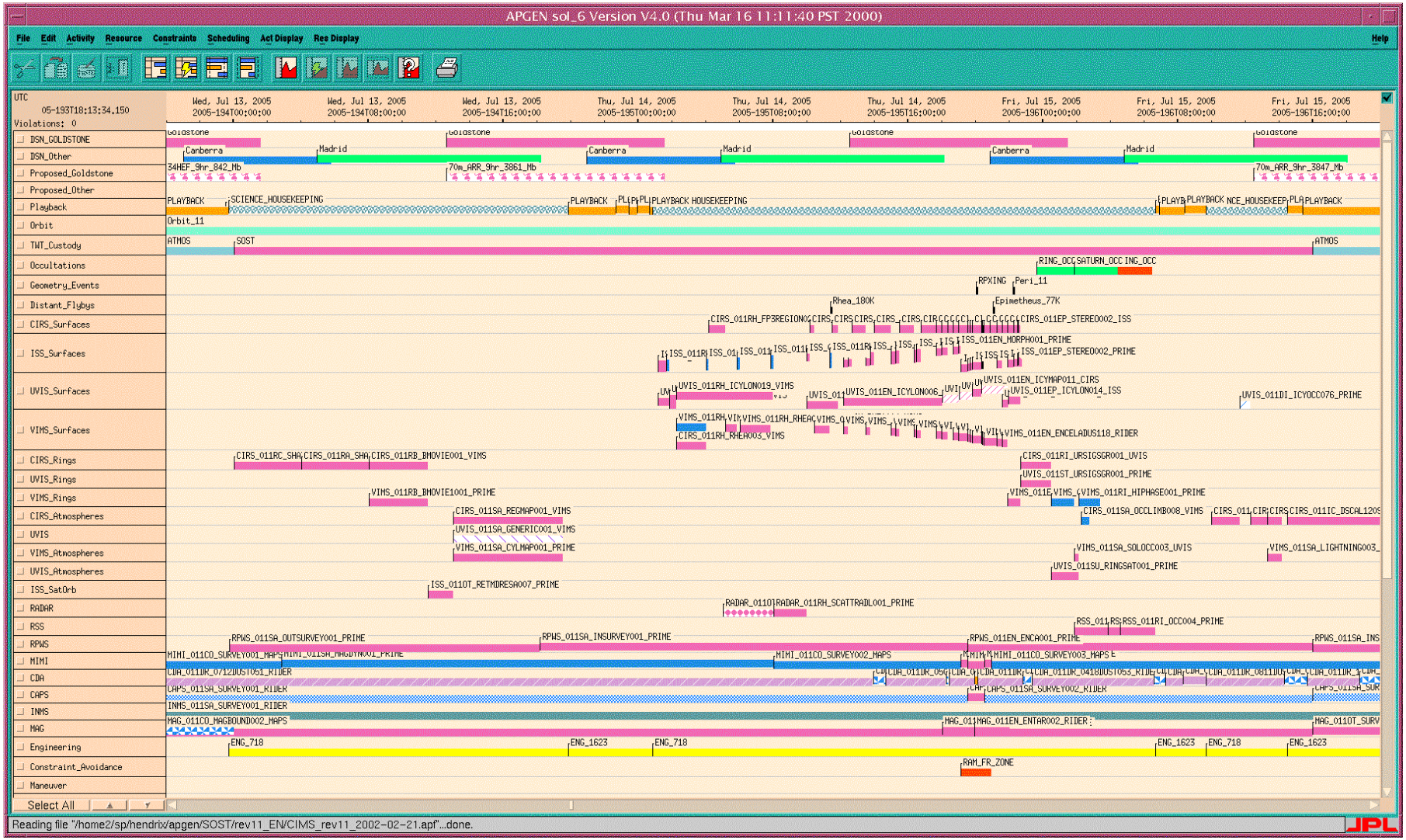
## Rev 11

2005-193T23:40 - 2005-196T23:30

Amanda Hendrix, Bonnie Buratti, Laci Roth

3/28/02

# SOST Rev 11 timeline



# Rev 11 SOST Segment CIMS TOL
## (as of 3/28/02)

| Start Time: | 2005-193T23:40:00 | | change durations | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| End Time: | 2005-196T23:30:00 | | | | | | | | | | |
| Team(s): | All Teams | | | | | | | | | | |
| Total Requests in TOL: | 177 | | | | | | | | | | |
| | | | | | | | | | | | |
| Request | Start Time | Duration | EndTime | Rate | DataVolume | Pointing | | | | | |
| CDA_011DR_0712DUST051_RIDER | 2005-186T19:05:24 | 008T18:48:46 | 2005-195T13:54:10 | 100 | 108.565 | CDA to Kepler RAM | | | | | |
| MAG_011OT_SURVEY001_PRIME | 2005-188T20:22:00 | 007T19:38:00 | 2005-196T16:00:00 | 600 | 405.29 | None | | | | | |
| MAG_011CO_MAGBOUND002_MAPS | 2005-193T00:00:00 | 001T00:00:00 | 2005-194T00:00:00 | 1376 | 118.89 | None_for_MAG | | | | | |
| MIMI_011CO_SURVEY001_MAPS | 2005-193T00:00:00 | 001T02:49:00 | 2005-194T02:49:00 | 1800 | 62 | If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane. | | | | | |
| INMS_011SA_SURVEY002_RIDER | 2005-193T00:00:00 | 001T00:00:00 | 2005-194T00:00:00 | 50 | 4.32 | No Pointing Information. | | | | | |
| RPWS_011SA_OUTSURVEY003_PRIME | 2005-193T07:40:00 | 000T16:03:00 | 2005-193T23:43:00 | 2800 | No DataVolum | don't care | | | | | |
| CAPS_011SA_SURVEY001_RIDER | 2005-193T07:40:00 | 002T11:50:48 | 2005-195T19:30:48 | 1000 | 215.448 | Control of 2nd axis when possible | | | | | |
| UVIS_011SW_IPHSURVEY001_RIDER | 2005-193T14:40:00 | 000T09:00:00 | 2005-193T23:40:00 | 76 bps | No DataVolum | any | | | | | |
| RPWS_011SA_OUTSURVEY001_PRIME | 2005-193T23:43:00 | 000T18:27:00 | 2005-194T18:10:00 | 1310 | 87 | don't care | | | | | |
| CIRS_011RC_SHADLLP001_PRIME | 2005-194T00:00:00 | 000T04:00:00 | 2005-194T04:00:00 | 4000 | 57.6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| INMS_011SA_SURVEY003_RIDER | 2005-194T00:00:00 | 002T16:00:00 | 2005-196T16:00:00 | 50 | 11.52 | No Pointing Information. | | | | | |
| CIRS_011RC_SHADLLP002_SI | 2005-194T00:00:00 | 000T04:00:00 | 2005-194T04:00:00 | | 6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| MIMI_011SA_MAGDYN001_PRIME | 2005-194T02:49:00 | 001T05:12:00 | 2005-195T08:01:00 | 1200 | 126.1 | With -Y pointed toward Saturn, corot as close to -X, +/- Z plane as poss. | | | | | |
| CIRS_011RA_SHADLLP001_PRIME | 2005-194T04:00:00 | 000T04:00:00 | 2005-194T08:00:00 | 4000 | 57.6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| CIRS_011RA_SHADLLP002_SI | 2005-194T04:00:00 | 000T04:00:00 | 2005-194T08:00:00 | | 6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| CIRS_011RB_BMOVIE002_SI | 2005-194T08:00:00 | 000T03:30:00 | 2005-194T11:30:00 | | 6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| VIMS_011RB_BMOVIE1001_PRIME | 2005-194T08:00:00 | 000T03:30:00 | 2005-194T11:30:00 | VIMS_18432 | 97.2 | Primary: CIRS FP1 to B ring ansa; +Zparallel to Saturn's pole | | | | | |
| CIRS_011RB_BMOVIE001_VIMS | 2005-194T08:00:00 | 000T03:30:00 | 2005-194T11:30:00 | 4000 | 57.6 | -Y to ring, +Z perpendicular to ring radius | | | | | |
| ISS_011OT_RETMDRESA007_PRIME | 2005-194T11:30:00 | 000T01:30:00 | 2005-194T13:00:00 | | 48 | Boresight to target satellite, control of secondary axis not required | | | | | |
| VIMS_011SA_CYLMAP001_PRIME | 2005-194T13:00:00 | 000T06:30:00 | 2005-194T19:30:00 | VIMS_18432 | 596.85 | primary NAC to nadir, secondary z parallel to polar axis | | | | | |
| UVIS_011SA_GENERIC001_VIMS | 2005-194T13:00:00 | 000T06:30:00 | 2005-194T19:30:00 | 5032 | No DataVolum | No Pointing Information. | | | | | |
| CIRS_011SA_REGMAP001_VIMS | 2005-194T13:00:00 | 000T06:30:00 | 2005-194T19:30:00 | 4000 | 46.8 | -y to Saturn, +x to pole | | | | | |
| RPWS_011SA_INSURVEY001_PRIME | 2005-194T18:10:00 | 001T21:49:00 | 2005-196T15:59:00 | 1310 | 216 | don't care | | | | | |
| CIRS_011RH_GLOCOL001_ISS | 2005-195T01:10:00 | 000T00:30:00 | 2005-195T01:40:00 | 4000 | 7.2 | Boresight to Rhea; secondary axes TBD | | | | | |
| UVIS_011RH_ICYLON017_ISS | 2005-195T01:10:00 | 000T00:40:00 | 2005-195T01:50:00 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. | | | | | |
| ISS_011RH_GLOCOL001_PRIME | 2005-195T01:10:00 | 000T00:30:00 | 2005-195T01:40:00 | | 111 | Boresight to Rhea; secondary +X to Rhea NP | | | | | |
| CIRS_011RH_REGGEODA001_ISS | 2005-195T01:40:00 | 000T00:10:00 | 2005-195T01:50:00 | 4000 | 2.4 | Boresight to Rhea; secondary axes TBD | | | | | |
| ISS_011RH_REGGEODA001_PRIME | 2005-195T01:40:00 | 000T00:10:00 | 2005-195T01:50:00 | | 4 | Boresight to Rhea; secondary +X to Rhea NP | | | | | |
| UVIS_011RH_ICYLON018_PRIME | 2005-195T01:50:00 | 000T00:24:00 | 2005-195T02:14:00 | 5032 | No DataVolum | Target to center of illuminated disk. | | | | | |
| CIRS_011RH_ICYLON018_UVIS | 2005-195T01:50:00 | 000T00:24:00 | 2005-195T02:14:00 | 4000 | 5.76 | Target to center of illuminated disk. | | | | | |
| VIMS_011RH_RHEA003_PRIME | 2005-195T02:14:00 | 000T01:46:00 | 2005-195T04:00:00 | VIMS_18432 | 19.2 | vims boresight to Rhea | | | | | |
| CIRS_011RH_RHEA003_VIMS | 2005-195T02:14:00 | 000T01:46:00 | 2005-195T04:00:00 | 4000 | 25.44 | VIMS boresight to Rhea | | | | | |
| UVIS_011RH_ICYLON019_VIMS | 2005-195T02:14:00 | 000T05:45:00 | 2005-195T07:59:00 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. | | | | | |
| CIRS_011RH_REGGEODB001_ISS | 2005-195T04:00:00 | 000T00:10:00 | 2005-195T04:10:00 | 4000 | 2.4 | Boresight to Rhea; secondary axes TBD | | | | | |
| ISS_011RH_REGGEODB001_PRIME | 2005-195T04:00:00 | 000T00:10:00 | 2005-195T04:10:00 | | 8 | Boresight to Rhea (1x2 mosaic); secondary +X to Rhea NP | | | | | |
| CIRS_011RH_FP3REGION020_PRIME | 2005-195T04:10:00 | 000T01:00:00 | 2005-195T05:10:00 | 4000 | 14.4 | -Y to Target | | | | | |
| RADAR_011OT_WARM4RH001_RIDER | 2005-195T05:00:00 | 000T03:00:00 | 2005-195T08:00:00 | 250 | 2.7 | No constraints on primary nor secondary axis. | | | | | |
| VIMS_011RH_RHEA001_PRIME | 2005-195T05:10:00 | 000T00:40:00 | 2005-195T05:50:00 | VIMS_18432 | 17.5 | VIMS boresight to Rhea | | | | | |
| CIRS_011RH_RHEA001_VIMS | 2005-195T05:10:00 | 000T00:40:00 | 2005-195T05:50:00 | 4000 | 9.6 | VIMS boresight to Rhea | | | | | |
| CIRS_011RH_REGGEODC001_ISS | 2005-195T05:50:00 | 000T00:10:00 | 2005-195T06:00:00 | 4000 | 2.4 | Boresight to Rhea; secondary axes TBD | | | | | |
| ISS_011RH_REGGEODC001_PRIME | 2005-195T05:50:00 | 000T00:10:00 | 2005-195T06:00:00 | | 16 | Boresight to Rhea (2x2 mosaic); secondary +X to Rhea NP | | | | | |
| VIMS_011RH_RHEA002_PRIME | 2005-195T06:00:00 | 000T01:50:00 | 2005-195T07:50:00 | VIMS_18432 | 70 | VIMS boresight to Rhea | | | | | |
| CIRS_011RH_RHEA002_VIMS | 2005-195T06:00:00 | 000T01:50:00 | 2005-195T07:50:00 | 4000 | 26.4 | VIMS boresight to Rhea | | | | | |
| CIRS_011RH_REGGEODD001_ISS | 2005-195T07:50:00 | 000T00:10:00 | 2005-195T08:00:00 | 4000 | 2.4 | Boresight to Rhea; secondary axes TBD | | | | | |
| ISS_011RH_REGGEODD001_PRIME | 2005-195T07:50:00 | 000T00:10:00 | 2005-195T08:00:00 | | 8 | Boresight to Rhea (1x2 mosaic); secondary +X to Rhea NP | | | | | |
| RADAR_011RH_SCATTRADL001_PRIME | 2005-195T08:00:00 | 000T02:00:00 | 2005-195T10:00:00 | 30000 | 216 | RADAR must control primary and secondary axes to obtain correct polarization. | | | | | |
| MIMI_011CO_SURVEY002_MAPS | 2005-195T08:01:00 | 000T11:07:01 | 2005-195T19:08:01 | 900 | 36 | If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane. | | | | | |
| ISS_011RH_REGMAPE001_PRIME | 2005-195T10:00:00 | 000T00:10:00 | 2005-195T10:10:00 | | 24 | Boresight to Rhea (1x2 mosaic); secondary +X to Rhea NP | | | | | |
| UVIS_011RH_ICYLON020_VIMS | 2005-195T10:00:00 | 000T01:50:00 | 2005-195T11:50:00 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. | | | | | |
| CIRS_011RH_FP1DAYNIT020_PRIME | 2005-195T10:10:00 | 000T00:15:00 | 2005-195T10:25:00 | 4000 | 3.6 | -Y to Target | | | | | |
| VIMS_011RH_RHEA004_PRIME | 2005-195T10:25:00 | 000T00:55:00 | 2005-195T11:20:00 | VIMS_18432 | 15.15 | vims poresight ro Rhea bright half | | | | | |
| CIRS_011RH_RHEA004_VIMS | 2005-195T10:25:00 | 000T00:55:00 | 2005-195T11:20:00 | 4000 | 13.2 | VIMS boresight to Rhea | | | | | |
| CIRS_011RH_REGGEODF001_ISS | 2005-195T11:20:00 | 000T00:10:00 | 2005-195T11:30:00 | 4000 | 2.4 | Boresight to Rhea; secondary axes TBD | | | | | |
| ISS_011RH_REGGEODF001_PRIME | 2005-195T11:20:00 | 000T00:10:00 | 2005-195T11:30:00 | | 8 | Boresight to Rhea (1x2 mosaic); secondary +X to Rhea NP | | | | | |
| CIRS_011RH_FP1GLOBAL020_PRIME | 2005-195T11:30:00 | 000T00:19:48 | 2005-195T11:49:48 | 4000 | 4.75 | -Y to Target | | | | | |
| CIRS_011EN_FP3MAP1001_PRIME | 2005-195T12:10:00 | 000T00:15:00 | 2005-195T12:25:00 | 4000 | 3.6 | Boresight to Enceladus, -X North | | | | | |

A. R. Hendrix

**Rev 11 SOST Segment CIMS TOL**
**(as of 3/28/02)**

| | | | | | | |
|---|---|---|---|---|---|---|
| VIMS_011EN_ENCELADUS102_RIDER | 2005-195T12:10:00 | 000T00:15:00 | 2005-195T12:25:00 | VIMS_18432 | 8.55 | vims boresight to enceladus, ride |
| UVIS_011EN_ICYLON006_ISS | 2005-195T12:10:49 | 000T05:50:00 | 2005-195T18:00:49 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. |
| CIRS_011EN_FP3MAP2001_PRIME | 2005-195T12:25:00 | 000T00:15:00 | 2005-195T12:40:00 | 4000 | 3.6 | Boresight to Enceladus, -X North |
| CIRS_011EN_FP1GLOBAL022_PRIME | 2005-195T12:40:00 | 000T00:49:48 | 2005-195T13:29:48 | 4000 | 11.95 | -Y to Target |
| CIRS_011EN_FP3MAP3002_PRIME | 2005-195T13:30:00 | 000T00:15:00 | 2005-195T13:45:00 | 4000 | 3.6 | FP3 to Enceladus, -X North |
| VIMS_011EN_ENCELADUS103_RIDER | 2005-195T13:30:00 | 000T00:15:00 | 2005-195T13:45:00 | VIMS_18432 | 8.55 | vims boresight to enceladus, ride |
| CIRS_011EN_N3CPOL002_ISS | 2005-195T13:45:00 | 000T00:15:00 | 2005-195T14:00:00 | 4000 | 3.6 | Boresight to Enceladus, -X North |
| ISS_011EN_N3CPOL002_PRIME | 2005-195T13:45:00 | 000T00:15:00 | 2005-195T14:00:00 | | 37.75 | Boresight to Enceladus, -X North |
| CDA_011DR_0615SURIN007_RIDER | 2005-195T13:55:11 | 000T00:44:38 | 2005-195T14:39:49 | 200 | 0.51 | CDA to Kepler RAM |
| CIRS_011EN_FP3GLOBAL020_PRIME | 2005-195T14:00:00 | 000T01:00:00 | 2005-195T15:00:00 | 4000 | 14.4 | -Y to Target |
| CDA_011DR_0508DUST052_RIDER | 2005-195T14:40:49 | 000T03:32:35 | 2005-195T18:13:24 | 200 | 2.432 | CDA to Kepler RAM |
| CIRS_011EN_N4COLR003_ISS | 2005-195T15:00:00 | 000T00:15:00 | 2005-195T15:15:00 | 4000 | 3.6 | Boresight to Enceladus, -X North |
| ISS_011EN_N4COLR003_PRIME | 2005-195T15:00:00 | 000T00:15:00 | 2005-195T15:15:00 | | 12.58 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS104_RIDER | 2005-195T15:00:00 | 000T00:15:00 | 2005-195T15:15:00 | VIMS_18432 | 6.4 | vims boresight to enceladus, ride |
| CIRS_011EN_N3CPOL003_ISS | 2005-195T15:15:00 | 000T00:15:00 | 2005-195T15:30:00 | 4000 | 3.6 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS105_RIDER | 2005-195T15:15:00 | 000T00:15:00 | 2005-195T15:30:00 | VIMS_18432 | 6.4 | vims boresight to enceladus, ride |
| ISS_011EN_N3CPOL003_PRIME | 2005-195T15:15:00 | 000T00:15:00 | 2005-195T15:30:00 | | 37.75 | Boresight to Enceladus, -X North |
| CIRS_011EN_FP3REGION021_PRIME | 2005-195T15:30:00 | 000T00:49:48 | 2005-195T16:19:48 | 4000 | 11.95 | -Y to Target |
| CIRS_011EN_N4COLR004_ISS | 2005-195T16:20:00 | 000T00:10:00 | 2005-195T16:30:00 | 4000 | 2.4 | Boresight to Enceladus, -X North |
| ISS_011EN_N4COLR004_PRIME | 2005-195T16:20:00 | 000T00:10:00 | 2005-195T16:30:00 | | 16.78 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS106_RIDER | 2005-195T16:20:00 | 000T00:10:00 | 2005-195T16:30:00 | VIMS_18432 | 6.4 | vims boresight to enceladus, ride |
| CIRS_011EN_N3CPOL004_ISS | 2005-195T16:30:00 | 000T00:15:00 | 2005-195T16:45:00 | 4000 | 3.6 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS107_RIDER | 2005-195T16:30:00 | 000T00:15:00 | 2005-195T16:45:00 | VIMS_18432 | 6.4 | vims boresight to enceladus, ride |
| ISS_011EN_N3CPOL004_PRIME | 2005-195T16:30:00 | 000T00:15:00 | 2005-195T16:45:00 | | 37.75 | Boresight to Enceladus, -X North |
| CIRS_011EN_FP3REGION020_PRIME | 2005-195T16:45:00 | 000T00:54:36 | 2005-195T17:39:36 | 4000 | 13.1 | -Y to Target |
| CIRS_011EN_NGNPOL001_ISS | 2005-195T17:40:00 | 000T00:19:48 | 2005-195T17:59:48 | 4000 | 4.75 | No Pointing Information. |
| VIMS_011EN_ENCELADUS108_RIDER | 2005-195T17:40:00 | 000T00:20:00 | 2005-195T18:00:00 | VIMS_18432 | 10.1 | vims boresight to enceladus, ride |
| ISS_011EN_NGNPOL001_PRIME | 2005-195T17:40:00 | 000T00:20:00 | 2005-195T18:00:00 | | 50.33 | Boresight to Enceladus, -X North |
| CIRS_011EN_N3COL001_ISS | 2005-195T18:00:00 | 000T00:19:48 | 2005-195T18:19:48 | 4000 | 4.75 | No Pointing Information. |
| ISS_011EN_N3COL001_PRIME | 2005-195T18:00:00 | 000T00:20:00 | 2005-195T18:20:00 | | 50.33 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS109_RIDER | 2005-195T18:00:00 | 000T00:20:00 | 2005-195T18:20:00 | VIMS_18432 | 17.9 | vims boresight to enceladus, ride |
| UVIS_011EN_ICYMAP012_ISS | 2005-195T18:00:49 | 000T01:00:00 | 2005-195T19:00:49 | 32096 | No DataVolum | Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec |
| MAG_011EN_ENTAR001_RIDER | 2005-195T18:00:49 | 000T01:54:11 | 2005-195T19:55:00 | 1376 | 9.43 | none |
| CDA_011RE_0407ERNGM005_RIDER | 2005-195T18:14:25 | 000T00:10:03 | 2005-195T18:24:28 | 524 | 0.301 | CDA to Kepler RAM |
| CIRS_011EN_FP1GLOBAL020_PRIME | 2005-195T18:20:00 | 000T00:19:48 | 2005-195T18:39:48 | 4000 | 4.75 | -Y to Target |
| CDA_011DR_0400DUST060_RIDER | 2005-195T18:25:28 | 000T01:30:55 | 2005-195T19:56:23 | 524 | 2.726 | CDA to Kepler RAM |
| CIRS_011EN_REGEO002_ISS | 2005-195T18:40:00 | 000T00:19:48 | 2005-195T18:59:48 | 4000 | 4.75 | No Pointing Information. |
| VIMS_011EN_ENCELADUS110_RIDER | 2005-195T18:40:00 | 000T00:20:00 | 2005-195T19:00:00 | VIMS_18432 | 31.2 | vims boresight to enceladus, ride |
| ISS_011EN_REGEO002_PRIME | 2005-195T18:40:00 | 000T00:20:00 | 2005-195T19:00:00 | | 37.75 | Boresight to Enceladus, -X North |
| CIRS_011EN_N9COL001_ISS | 2005-195T19:00:00 | 000T00:31:47 | 2005-195T19:31:47 | 4000 | 7.63 | No Pointing Information. |
| VIMS_011EN_ENCELADUS111_RIDER | 2005-195T19:00:00 | 000T00:32:00 | 2005-195T19:32:00 | VIMS_18432 | 52 | vims boresight to enceladus, ride with iss |
| ISS_011EN_MORPH001_PRIME | 2005-195T19:00:00 | 000T00:08:00 | 2005-195T19:08:00 | | 37.75 | Boresight to Enceladus, -X North |
| UVIS_011EN_ICYMAP010_CIRS | 2005-195T19:00:49 | 000T00:48:00 | 2005-195T19:48:49 | 32096 | No DataVolum | Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec |
| ISS_011EN_N9COL001_PRIME | 2005-195T19:08:00 | 000T00:24:00 | 2005-195T19:32:00 | | 113.25 | Boresight to Enceladus, -X North |
| MIMI_011DR_INCADUST001_PRIME | 2005-195T19:08:01 | 000T00:22:48 | 2005-195T19:30:49 | 1800 | 2.5 | INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram. |
| MIMI_011EN_ENCOUNTER001_ISS | 2005-195T19:30:49 | 000T01:00:00 | 2005-195T20:30:49 | 1800 | 6.5 | INCA boresight out of dust ram. B field in X,Z plane, -X to corotation |
| RPWS_011EN_ENCA001_PRIME | 2005-195T19:30:49 | 000T00:49:10 | 2005-195T20:19:59 | 100000 | 295 | Prefer RPWS Langmuir Probe within 90 degrees of plasma ram |
| CAPS_011EN_ENCOUNTER001_RIDER | 2005-195T19:30:49 | 000T01:00:00 | 2005-195T20:30:49 | 16000 | 57.6 | Corotation within 75 deg of -Y (95 deg if towards -X) |
| CIRS_011EN_MORPH002_ISS | 2005-195T19:32:00 | 000T00:07:47 | 2005-195T19:39:47 | 4000 | 1.87 | No Pointing Information. |
| ISS_011EN_MORPH002_PRIME | 2005-195T19:32:00 | 000T00:08:00 | 2005-195T19:40:00 | | 37.75 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS112_RIDER | 2005-195T19:32:00 | 000T00:08:00 | 2005-195T19:40:00 | VIMS_18432 | 5.2 | vims boresight to enceladus, ride with iss |
| CIRS_011EN_REGEO003_ISS | 2005-195T19:40:00 | 000T00:07:47 | 2005-195T19:47:47 | 4000 | 1.87 | No Pointing Information. |
| ISS_011EN_REGEO003_PRIME | 2005-195T19:40:00 | 000T00:08:00 | 2005-195T19:48:00 | | 54.53 | Boresight to Enceladus, -X North |
| VIMS_011EN_ENCELADUS113_RIDER | 2005-195T19:40:00 | 000T00:08:00 | 2005-195T19:48:00 | VIMS_18432 | 5.2 | vims boresight to enceladus, ride with iss |
| CIRS_011EN_ICYEXO001_UVIS | 2005-195T19:48:00 | 000T00:31:47 | 2005-195T20:19:47 | 4000 | 7.63 | No Pointing Information. |
| ISS_011EN_LIMBRD001_UVIS | 2005-195T19:48:00 | 000T00:32:00 | 2005-195T20:20:00 | | 12.58 | UVIS Controls Pointing |
| VIMS_011EN_ENCELADUS114_RIDER | 2005-195T19:48:00 | 000T00:32:00 | 2005-195T20:20:00 | VIMS_18432 | 49.5 | enceladus closest approach: stellar occ, drift across surface |
| UVIS_011EN_ICYEXO001_PRIME | 2005-195T19:48:49 | 000T00:32:00 | 2005-195T20:20:49 | 32096 | No DataVolum | Target to Alpha CMa. Slit orientation for minimal slew duration. |
| MP_011DR_DUSTHAZRD001_NA | 2005-195T19:50:00 | 000T00:12:00 | 2005-195T20:02:00 | | No DataVolum | No Pointing Information. |
| MAG_011OT_INTFLD001_PRIME | 2005-195T19:55:00 | 000T04:40:00 | 2005-196T00:35:00 | 1376 | 23.1168 | Spacecraft x-axis (+ or -) within 45 degrees of magnetic field direction. |
| MAG_011EN_ENTAR002_RIDER | 2005-195T19:55:00 | 000T02:05:49 | 2005-195T22:00:49 | 0 | 0 | none |
| CDA_011EN_0400ENORX011_RIDER | 2005-195T19:57:25 | 000T00:10:00 | 2005-195T20:07:25 | 524 | 0.299 | CDA to Kepler RAM |

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**Rev 11 SOST Segment CIMS TOL**
**(as of 3/28/02)**

| | | | | | | |
|---|---|---|---|---|---|---|
| CDA_011DR_0401DUST061_RIDER | 2005-195T20:08:24 | 000T02:40:00 | 2005-195T22:48:24 | 524 | 4.797 | CDA to Kepler RAM |
| CIRS_011EN_HICOLR001_ISS | 2005-195T20:20:00 | 000T00:04:47 | 2005-195T20:24:47 | 4000 | 1.15 | No Pointing Information. |
| ISS_011EN_HICOLR001_PRIME | 2005-195T20:20:00 | 000T00:05:00 | 2005-195T20:25:00 | | 16.78 | boresight to target |
| VIMS_011EN_ENCELADUS115_RIDER | 2005-195T20:20:00 | 000T00:05:00 | 2005-195T20:25:00 | VIMS_18432 | 5.85 | vims boresight to enceladus, ride with iss |
| UVIS_011EN_ICYMAP011_CIRS | 2005-195T20:20:49 | 000T01:35:00 | 2005-195T21:55:49 | 32096 | No DataVolum | Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec |
| CIRS_011EN_FP1NSSCAN020_PRIME | 2005-195T20:25:00 | 000T00:04:47 | 2005-195T20:29:47 | 4000 | 1.15 | -Y to Target |
| VIMS_011EN_ENCELADUS116_RIDER | 2005-195T20:25:00 | 000T00:50:00 | 2005-195T21:15:00 | VIMS_18432 | 15.15 | vims boresight to enceladus, ride with cirs |
| CIRS_011EN_FP1WINPOL020_PRIME | 2005-195T20:30:00 | 000T00:19:48 | 2005-195T20:49:48 | 4000 | 4.75 | -Y to Target |
| VIMS_011EN_ENCELADUS002_RIDER | 2005-195T20:30:00 | 000T01:25:00 | 2005-195T21:55:00 | VIMS_18432 | 221.7 | vims boresight to enceladus |
| MIMI_011DR_INCADUST002_PRIME | 2005-195T20:30:49 | 000T00:25:11 | 2005-195T20:56:00 | 1800 | 2.7 | INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram. |
| CAPS_011SA_SURVEY002_RIDER | 2005-195T20:30:49 | 000T19:29:11 | 2005-196T16:00:00 | 1000 | 70.2 | Control of 2nd axis when possible |
| CIRS_011EN_FP1GLOBAL021_PRIME | 2005-195T20:50:00 | 000T00:24:36 | 2005-195T21:14:36 | 4000 | 5.9 | -Y to Target |
| MIMI_011CO_SURVEY003_MAPS | 2005-195T20:56:00 | 003T03:04:00 | 2005-199T00:00:00 | 900 | 715.8 | If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane. |
| CIRS_011EN_NCPOL001_ISS | 2005-195T21:15:00 | 000T00:19:48 | 2005-195T21:34:48 | 4000 | 4.75 | No Pointing Information. |
| VIMS_011EN_ENCELADUS117_RIDER | 2005-195T21:15:00 | 000T00:20:00 | 2005-195T21:35:00 | VIMS_18432 | 15.3 | vims boresight to enceladus, ride |
| ISS_011EN_NCPOL001_PRIME | 2005-195T21:15:00 | 000T00:20:00 | 2005-195T21:35:00 | | 37.75 | boresight to target |
| CIRS_011EN_ICYLON015_UVIS | 2005-195T21:35:00 | 000T00:19:48 | 2005-195T21:54:48 | 4000 | 4.75 | No Pointing Information. |
| VIMS_011EN_ENCELADUS118_RIDER | 2005-195T21:35:00 | 000T00:20:00 | 2005-195T21:55:00 | VIMS_18432 | 15.3 | vims boresight to enceladus, ride |
| UVIS_011EN_ICYLON015_PRIME | 2005-195T21:35:49 | 000T00:20:00 | 2005-195T21:55:49 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. |
| VIMS_011EP_EPIMETHE001_ISS | 2005-195T21:55:00 | 000T00:45:00 | 2005-195T22:40:00 | VIMS_18432 | 31.35 | vims imaging of epimetheus, ride along with iss |
| CIRS_011EP_STEREO001_ISS | 2005-195T21:55:00 | 000T00:19:11 | 2005-195T22:14:11 | 4000 | 4.61 | No Pointing Information. |
| ISS_011EP_STEREO001_PRIME | 2005-195T21:55:00 | 000T00:19:30 | 2005-195T22:14:30 | | 4.19 | Boresight to Epimetheus, -X North |
| UVIS_011EP_ICYLON014_ISS | 2005-195T21:55:49 | 000T00:45:00 | 2005-195T22:40:49 | 5032 | No DataVolum | Target to center of illuminated disk. Stare for duration of observation. |
| CIRS_011EP_N3COLR001_ISS | 2005-195T22:14:30 | 000T00:13:48 | 2005-195T22:28:18 | 4000 | 3.31 | No Pointing Information. |
| ISS_011EP_N3COLR001_PRIME | 2005-195T22:14:30 | 000T00:30:00 | 2005-195T22:44:30 | | 12.58 | Boresight to Epimetheus, -X North |
| CIRS_011EP_NGNPOL001_ISS | 2005-195T22:28:30 | 000T00:03:00 | 2005-195T22:31:30 | 4000 | 0.72 | No Pointing Information. |
| ISS_011EP_NGNPOL001_PRIME | 2005-195T22:28:30 | 000T00:14:00 | 2005-195T22:42:30 | | 12.58 | Boresight to Epimetheus, -X North |
| CIRS_011EP_STEREO002_ISS | 2005-195T22:31:30 | 000T00:08:24 | 2005-195T22:39:54 | 4000 | 2.02 | No Pointing Information. |
| ISS_011EP_STEREO002_PRIME | 2005-195T22:31:30 | 000T00:08:30 | 2005-195T22:40:00 | | 4.19 | Boresight to Epimetheus, -X North |
| UVIS_011ST_URSIGSGR001_PRIME | 2005-195T22:40:00 | 000T01:50:00 | 2005-196T00:30:00 | 6770 | 37 | Point HSP to star Sigma Sagitarius. |
| CIRS_011RI_URSIGSGR001_UVIS | 2005-195T22:40:00 | 000T01:50:00 | 2005-196T00:30:00 | 4000 | No DataVolum | No Pointing Information. |
| CDA_011DR_0315SURIN005_RIDER | 2005-195T22:49:25 | 000T00:30:14 | 2005-195T23:19:39 | 200 | 0.345 | CDA to Kepler RAM |
| CDA_011DR_0418DUST053_RIDER | 2005-195T23:20:39 | 000T07:13:47 | 2005-196T06:34:26 | 200 | 4.964 | CDA to Kepler RAM |
| UVIS_011SU_RINGSAT001_PRIME | 2005-196T00:30:00 | 000T01:37:00 | 2005-196T02:07:00 | 3548 | 20 | Point UVIS and VIMS Solar occ ports to Sun. |
| VIMS_011RI_SOLAROCC003_UVIS | 2005-196T00:30:00 | 000T01:20:00 | 2005-196T01:50:00 | VIMS_18432 | 90 | Primary: solar port to sun; +Z to TBD |
| RSS_011SA_THERMAL002_RSS | 2005-196T01:50:00 | 000T02:00:00 | 2005-196T03:50:00 | 0 | 0 | The HGA Ka-band boresight must be Earth-pointed by the end time of this request |
| VIMS_011SA_SOLOCC003_UVIS | 2005-196T01:50:00 | 000T00:17:00 | 2005-196T02:07:00 | VIMS_18432 | 37 | Primary: solar port to sun, Secondary: TBD |
| VIMS_011RI_HIPHASE001_PRIME | 2005-196T02:07:00 | 000T01:17:00 | 2005-196T03:24:00 | VIMS_18432 | 17.3 | Primary: -Y to rings, secondary: TBD. |
| CIRS_011SA_OCCLIMB008_VIMS | 2005-196T02:15:00 | 000T00:30:00 | 2005-196T02:45:00 | 4000 | 7.2 | -y to Saturn, z to limb |
| RSS_011SA_OCC004_PRIME | 2005-196T03:50:00 | 000T00:44:39 | 2005-196T04:34:39 | 0 | 0 | Primary axis=KABAND to Earth. Secondary axis is free. |
| RSS_011RI_OCC004_PRIME | 2005-196T04:34:39 | 000T02:05:21 | 2005-196T06:40:00 | 0 | 0 | Primary axis=KABAND to Earth. Secondary axis is free. |
| CDA_011DR_0615SURIN008_RIDER | 2005-196T06:35:26 | 000T00:40:00 | 2005-196T07:15:26 | 200 | 0.457 | CDA to Kepler RAM |
| CDA_011DR_0716DUST054_RIDER | 2005-196T07:16:26 | 000T01:02:33 | 2005-196T08:18:59 | 200 | 0.715 | CDA to Kepler RAM |
| CDA_011DR_0815SURVY005_RIDER | 2005-196T08:20:00 | 000T01:19:59 | 2005-196T09:39:59 | 100 | 0.457 | CDA to Kepler RAM |
| CDA_011DR_0811DUST055_RIDER | 2005-196T09:41:00 | 000T04:37:59 | 2005-196T14:18:59 | 200 | 3.181 | CDA to Kepler RAM |
| CIRS_011SA_NADIROCCA002_PRIME | 2005-196T10:00:00 | 000T01:40:00 | 2005-196T11:40:00 | 4000 | 24 | -y to Saturn, z to pole |
| UVIS_011DI_ICYOCC076_PRIME | 2005-196T11:40:00 | 000T00:40:00 | 2005-196T12:20:00 | 32096 | No DataVolum | Target to ra = 305.165 dec = -12.7591. Orient slit tangent to limb. Stare. |
| CIRS_011SA_NADIROCCB002_PRIME | 2005-196T12:20:00 | 000T01:00:00 | 2005-196T13:20:00 | 4000 | 14.4 | -y to Saturn, z to pole |
| VIMS_011SA_LIGHTNING003_PRIME | 2005-196T13:20:00 | 000T00:50:00 | 2005-196T14:10:00 | VIMS_18432 | 259.5 | primary NAC to nadir, secondary z parallel to polar axis |
| CIRS_011SA_LTNING001_RIDER | 2005-196T13:20:00 | 000T00:50:00 | 2005-196T14:10:00 | 4000 | 12 | No Pointing Information. |
| CDA_011DR_1010SUOUT005_RIDER | 2005-196T14:20:00 | 000T01:19:59 | 2005-196T15:39:59 | 200 | 0.915 | CDA to Kepler RAM |
| CIRS_011IC_DSCAL1209_PRIME | 2005-196T14:30:00 | 000T06:00:00 | 2005-196T20:30:00 | 4000 | 86.4 | -Y to deep space, no sun on CIRS cooler (+X hemisphere) |
| CDA_011DR_1108DUST056_RIDER | 2005-196T15:41:00 | 000T03:05:17 | 2005-196T18:46:17 | 200 | 2.12 | CDA to Kepler RAM |
| RPWS_011SA_INSURVEY002_PRIME | 2005-196T15:59:00 | 002T07:31:00 | 2005-198T23:30:00 | 1080 | 216 | don't care |
| MAG_011OT_SURVEY002_PRIME | 2005-196T16:00:00 | 002T08:00:00 | 2005-199T00:00:00 | 325 | 65.52 | None |
| CAPS_011SA_SURVEY003_RIDER | 2005-196T16:00:00 | 002T08:00:00 | 2005-199T00:00:00 | 700 | 141.12 | Control of 2nd axis when possible |
| INMS_011SA_SURVEY004_RIDER | 2005-196T16:00:00 | 002T08:00:00 | 2005-199T00:00:00 | 50 | 10.08 | No Pointing Information. |
| CDA_011DR_1207SUOUT005_RIDER | 2005-196T18:47:18 | 000T02:00:00 | 2005-196T20:47:18 | 200 | 1.373 | CDA to Kepler RAM |
| CDA_011DR_1301DUST053_RIDER | 2005-196T20:48:17 | 000T20:45:16 | 2005-197T17:33:33 | 524 | 37.337 | CDA to Kepler RAM |

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# SOST Rev 11 Attitude Strategy

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NSP=North Saturn Pole
EPOCH_011EN=2005-195T20:00:48

| | | | | | | Observation Attitude | | |
|---|---|---|---|---|---|---|---|---|
| Request | Riders | Start (SCET) | Start (Epoch) | Dur | End (SCET) | Primary | Secondary | Comments |
| turn to new WP | | 2005-193T23:40 | | 00:20 | 2005-194T00:00 | | | |
| **NEW WAYPOINT** | | **2005-194T00:00** | | **24:50** | **2005-195T00:50** | **NAC to SATURN** | **+X to NSP** | |
| CIRS Rings | (SI) | 2005-194T00:00 | | 08:00 | 2005-194T08:00 | FP3 to ring | +Z perpendicular to ring radius | |
| VIMS_011RB_BMOVIE1001 | C | 2005-194T08:00 | | 03:30 | 2005-194T11:30 | FP1 to B ring ansa | +Z parallel to Saturn pole | |
| ISS_011OT_RETMDRESA007 | | 2005-194T11:30 | | 01:30 | 2005-194T13:00 | retarg | | |
| VIMS_011SA_CYLMAP001 | C, U | 2005-194T13:00 | | 06:30 | 2005-194T19:30 | FP3 to Saturn | | |
| turn to Earth | | 2005-194T19:30 | | 00:20 | 2005-194T19:50 | | | |
| Downlink | | 2005-194T19:50 | | 05:00 | 2005-195T00:50 | XBAND to Earth | rolling | |
| turn to new WP | | 2005-195T00:50 | | 00:20 | 2005-195T01:10 | | | |
| **NEW WAYPOINT** | | **2005-195T01:10** | | **10:40** | **2005-195T11:50** | **NAC to RHEA** | **+X to RHEA NP** | |
| ISS Rhea | U, C | 2005-195T01:10 | | 00:40 | 2005-195T01:50 | | | |
| UVIS_011RH_ICYLON018 | C | 2005-195T01:50 | | 00:24 | 2005-195T02:14 | | | |
| VIMS | C, U | 2005-195T02:14 | | 01:46 | 2005-195T04:00 | | | |
| ISS_011RH_REGGEODB001 | C, U | 2005-195T04:00 | | 00:10 | 2005-195T04:10 | | | |
| CIRS_011RH_FP3REGION020 | U, C | 2005-195T04:10 | | 01:00 | 2005-195T05:10 | | | |
| VIMS_011RH_RHEA001 | C, U | 2005-195T05:10 | | 00:40 | 2005-195T05:50 | | | |
| ISS_011RH_REGGEODC001 | C, U | 2005-195T05:50 | | 00:10 | 2005-195T06:00 | | | |
| VIMS_011RH_RHEA002 | C, U | 2005-195T06:00 | | 01:50 | 2005-195T07:50 | | | |
| ISS_011RH_REGGEODD001 | C, U | 2005-195T07:50 | | 00:10 | 2005-195T08:00 | | | |
| RADAR Rhea | | 2005-195T08:00 | | 2:00 | 2005-195T10:00 | -Z to Rhea | +X to Rhea NP | |
| ISS_011RH_REGMAPE001 | U | 2005-195T10:00 | | 00:10 | 2005-195T10:10 | | | |
| CIRS_011RH_FP1DAYNIT020 | U | 2005-195T10:10 | | 00:15 | 2005-195T10:25 | | | |
| VIMS | C, U | 2005-195T10:25 | | 00:55 | 2005-195T11:20 | | | |
| ISS_011RH_REGGEODF001 | C, U | 2005-195T11:20 | | 00:10 | 2005-195T11:30 | | | |
| CIRS_011RH_FP1GLOBAL020 | U | 2005-195T11:30 | | 00:20 | 2005-195T11:50 | | | |
| turn to new WP | | 2005-195T11:50 | | 00:20 | 2005-195T12:10 | | | |
| **NEW WAYPOINT** | | **2005-195T12:10** | | **13:57** | **2005-196T02:07** | **NAC to ENCELADUS** | **+X to ENCELADUS NP** | |
| CIRS Enceladus | V, U | 2005-195T12:10 | EN-07:51 | 01:35 | 2005-195T13:45 | | | |
| ISS_011EN_N3CPOL002 | C, U | 2005-195T13:45 | EN-06:16 | 00:15 | 2005-195T14:00 | | | |
| CIRS_011EN_FP3GLOBAL020 | U | 2005-195T14:00 | EN-06:01 | 01:00 | 2005-195T15:00 | | | |
| ISS Enceladus | U, C, V | 2005-195T15:00 | EN-05:01 | 00:30 | 2005-195T15:30 | | | |
| CIRS Enceladus | U | 2005-195T15:30 | EN-04:31 | 00:50 | 2005-195T16:20 | | | |
| ISS Enceladus | U, C, V | 2005-195T16:20 | EN-03:41 | 00:25 | 2005-195T16:45 | | | |
| CIRS_011EN_FP3REGION120 | U | 2005-195T16:45 | EN-03:16 | 00:55 | 2005-195T17:40 | | | |
| ISS Enceladus | U, C, V | 2005-195T17:40 | EN-02:21 | 00:40 | 2005-195T18:20 | | | |
| CIRS_011EN_FP1GLOBAL020 | U | 2005-195T18:20 | EN-01:41 | 00:20 | 2005-195T18:40 | | | |
| ISS Enceladus | U, C, V | 2005-195T18:40 | EN-01:21 | 01:08 | 2005-195T19:48 | | | |
| UVIS_011EN_ICYEXO001 | C, I, V | 2005-195T19:48 | EN-00:13 | 00:32 | 2005-195T20:20 | NAC to a-CMa | | |
| ISS_011EN_HICOLR001 | C, U, V | 2005-195T20:20 | EN+00:19 | 00:05 | 2005-195T20:25 | | | |
| CIRS Enceladus | U, V | 2005-195T20:25 | EN+00:24 | 00:50 | 2005-195T21:15 | | | |
| ISS_011EN_NCPOL001 | U, C | 2005-195T21:15 | EN+01:14 | 00:20 | 2005-195T21:35 | | | |
| UVIS_011EN_ICYLON_015 | V, C, U | 2005-195T21:35 | EN+01:34 | 00:20 | 2005-195T21:55 | | | |
| ISS Epimetheus | V, C, U | 2005-195T21:55 | EN+01:54 | 00:45 | 2005-195T22:40 | NAC to Epimetheus | | |
| UVIS_011ST_URSIGSGR001 | C | 2005-195T22:40 | | 01:50 | 2005-196T00:30 | NAC to SigSgr | | |
| UVIS_011SU_RINGAT001 | V | 2005-196T00:30 | | 01:37 | 2005-196T02:07 | solar ports to Sun | | |
| VIMS_011RI_HIPHASE001 | C | 2005-196T02:07 | | 01:17 | 2005-196T03:24 | NAC to rings | +X to Saturn NP | VIMS leave off at NAC to Saturn |
| turn to new WP | | 2005-196T03:24 | | 00:26 | 2005-196T03:50 | | | SP pick up at NAC to Saturn |
| **NEW WAYPOINT** | | **2005-196T03:50** | | **06:10** | **2005-196T10:00** | **-Z to EARTH** | **-X to 223/+28** | |
| RSS_011SA_OCC004 | | 2005-196T03:50 | | 00:44:39 | 2005-196T04:34:39 | KABAND to Earth | | |
| RSS_011RI_OCC004 | | 2005-196T04:34:39 | | 02:05:21 | 2005-196T06:40 | KABAND to Earth | | |
| Downlink | | 2005-196T06:40 | | 03:00 | 2005-196T09:40 | XBAND to Earth | rolling | |
| turn to new WP | | 2005-196T09:40 | | 00:20 | 2005-196T10:00 | | | |
| **NEW WAYPOINT** | | **2005-196T10:00** | | **04:30** | **2005-196T14:30** | **NAC to SATURN** | **+Z to NSP** | |
| CIRS Saturn NadirOcc A | | 2005-196T10:00 | | 01:40 | 2005-196T11:40 | FP3 to Saturn | +Z to pole | |
| UVIS_011DI_ICY_OCC | | 2005-196T11:40 | | 00:40 | 2005-196T12:20 | NAC to Dione | | |
| CIRS Saturn NadirOcc B | | 2005-196T12:20 | | 01:00 | 2005-196T13:20 | | | |
| VIMS Saturn Lightening | C | 2005-196T13:20 | | 00:50 | 2005-196T14:10 | NAC to nadir | Z axis parallel to polar axis | |
| turn to Earth | | 2005-196T14:10 | | 00:20 | 2005-196T14:30 | | | |
| Downlink | | 2005-196T14:30 | | 09:00 | 2005-196T23:30 | XBAND to Earth | rolling | |

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# SOST Rev 11 OpMode and Telemetry Mode Strategy

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| Start Time | Dur | End Time | OpMode | OpMode Transition Time (from prev.) | Telemetry Mode | Comments |
|---|---|---|---|---|---|---|
| 2005-193T23:40 | 20:10 | 2005-194T19:50 | ORS_RWA | | S&ER_3 | |
| 2005-194T19:50 | 05:00 | 2005-195T00:50 | DFPW | 00:00:06 | RTE_N_SPB_X | Downlink |
| 2005-195T00:50 | 00:20 | 2005-195T01:10 | ORS_RWA | 00:00:05 | S&ER_3 | |
| 2005-195T01:10 | 00:30 | 2005-195T01:40 | ORS_RWA | | S&ER_5 | ISS Rhea color |
| 2005-195T01:40 | 06:20 | 2005-195T08:00 | ORS_RWA | | S&ER_3 | |
| 2005-195T08:00 | 00:00:08 | 2005-195T08:00:08 | RADAR_WU | 00:00:08 | S&ER_8 | |
| 2005-195T08:00:08 | 01:52:52 | 2005-195T09:53 | RADAR_RWA | 00:00:42 | S&ER_8 | RADAR |
| 2005-195T09:53 | 00:07 | 2005-195T10:00 | RADAR_WU | 00:00:26 | S&ER_8 | |
| 2005-195T10:00 | 09:02 | 2005-195T19:02 | ORS_RWA | 00:05:02 | S&ER_3 | |
| 2005-195T19:02 | 02:00 | 2005-195T21:02 | ORS_RWA | | S&ER_2 | RPWS |
| 2005-195T21:02 | 01:11 | 2005-195T22:13 | ORS_RWA | | S&ER_3 | |
| 2005-195T22:13 | 00:15 | 2005-195T22:28 | ORS_RWA | | S&ER_2 | RPWS |
| 2005-195T22:28 | 03:27 | 2005-196T01:55 | ORS_RWA | | S&ER_3 | |
| 2005-196T01:55 | 02:00 | 2005-196T03:55 | unique | TBD | S&ER_3 | RSS warmup; ORS; turns |
| 2005-196T03:55 | 02:45 | 2005-196T06:40 | RSS3_RWA | TBD | S&ER_3 | RSS activity |
| 2005-196T06:40 | 03:00 | 2005-196T09:40 | DFPW | 00:01:01 | RTE_N_SPB_X | Downlink |
| 2005-196T09:40 | 04:50 | 2005-196T14:30 | ORS_RWA | 00:00:05 | S&ER_3 | |
| 2005-196T14:30 | 09:00 | 2005T23:30 | DFPW | | RTE_N_SPB_X | Downlink |

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| Playback | Start doy hh:mm | End doy hh:mm | Volume (Mb) | 5% (Mb) | ENG+HK (Mb) | SCIENCE (Mb) | TOTAL (Mb) | MARGIN (Mb) |
|---|---|---|---|---|---|---|---|---|
| PLAYBACK* | 193 14:25 | 193 23:39 | 24617 | 1231 | 0 | 687 | 687 | 22699 |
| PLAYBACK**** | 194 19:35 | 195 00:50 | 1716 | 86 | 98 | 1538 | 1636 | -5 |
| PLAYBACK** | 196 06:25 | 196 09:40 | 1000 | 50 | 120 | 3424 | 3544 | -2594 |
| PLAYBACK*** | 196 14:15 | 196 23:30 | 3706 | 185 | 69 | 612 | 681 | 2839 |
| Leftover: | | | | | 0 | 1422 | 1422 | -1422 |

| Event | Start doy hh:mm | End doy hh:mm | CAPS (Mb) | CDA (Mb) | CIRS (Mb) | INMS (Mb) | ISS (Mb) | MAG (Mb) | MIMI (Mb) | RADAR (Mb) | RPWS (Mb) | UVIS (Mb) | VIMS (Mb) | RSS (Mb) | ENG (Mb) | SCIENC (Mb) | TOTAL (Mb) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OBSERVATION | undef min | 193 14:25 | 24.3 | 58.5 | 0.0 | 29.4 | 0.0 | 317.8 | 93.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 523.5 |
| PLAYBACK* | 193 14:25 | 193 23:39 | 33.3 | 3.3 | 0.0 | 1.7 | 0.0 | 65.8 | 59.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 164.0 |
| OBSERVATION | 193 23:39 | 194 19:35 | 71.7 | 7.1 | 378.0 | 3.6 | 48.0 | 44.7 | 92.8 | 0.0 | 93.6 | 23.5 | 694.1 | 0.0 | 51.5 | 16.9 | 1525.6 |
| PLAYBACK**** | 194 19:35 | 195 00:50 | 18.9 | 1.9 | 0.0 | 0.9 | 0.0 | 11.3 | 22.7 | 0.0 | 24.6 | 0.0 | 0.0 | 0.0 | 29.9 | 0.2 | 110.4 |
| OBSERVATION | 195 00:50 | 196 06:25 | 160.5 | 21.7 | 306.1 | 5.3 | 812.0 | 96.4 | 109.4 | 218.7 | 433.5 | 624.4 | 589.1 | 0.0 | 76.5 | 25.1 | 3478.6 |
| PLAYBACK** | 196 06:25 | 196 09:40 | 11.7 | 1.8 | 0.0 | 0.6 | 0.0 | 7.0 | 10.5 | 0.0 | 15.2 | 0.0 | 0.0 | 0.0 | 18.2 | 0.2 | 65.2 |
| OBSERVATION | 196 09:40 | 196 14:15 | 16.5 | 3.3 | 44.4 | 0.8 | 0.0 | 9.9 | 14.8 | 0.0 | 21.4 | 38.5 | 259.5 | 0.0 | 11.9 | 3.9 | 425.0 |
| PLAYBACK*** | 196 14:15 | 196 23:30 | 25.2 | 9.7 | 86.4 | 1.7 | 0.0 | 12.6 | 30.0 | 0.0 | 37.3 | 0.0 | 0.0 | 0.0 | 53.2 | 0.2 | 256.3 |
| Leftover: | 196 23:30 | undef max | 122.2 | 34.1 | 0.0 | 35.0 | 0.0 | 56.7 | 157.1 | 0.0 | 186.6 | 0.0 | 830.0 | 0.0 | 0.0 | 0.0 | 1421.8 |

| Event | Start doy hh:mm | End doy hh:mm | CAPS (Pkts) | CDA (Pkts) | CIRS (Pkts) | INMS (Pkts) | ISS (Pkts) | MAG (Pkts) | MIMI (Pkts) | RADAR (Pkts) | RPWS (Pkts) | UVIS (Pkts) | VIMS (Pkts) | TOTAL (Pkts) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OBSERVATION | undef min | 193 14:25 | 3100 | 14000 | 0 | 3700 | 0 | 40300 | 11700 | 0 | 0 | 0 | 0 | 72800 |
| PLAYBACK* | 193 14:25 | 193 23:39 | 4200 | 800 | 0 | 300 | 0 | 8400 | 7500 | 0 | 0 | 0 | 0 | 21200 |
| OBSERVATION | 193 23:39 | 194 19:35 | 9000 | 1800 | 47300 | 500 | 6400 | 5700 | 11700 | 0 | 12300 | 2800 | 117900 | 215400 |
| PLAYBACK**** | 194 19:35 | 195 00:50 | 2400 | 500 | 0 | 200 | 0 | 1500 | 2900 | 0 | 3300 | 0 | 0 | 10800 |
| OBSERVATION | 195 00:50 | 196 06:25 | 20100 | 5200 | 38300 | 700 | 106700 | 12300 | 13700 | 28800 | 57000 | 71800 | 100100 | 454700 |
| PLAYBACK** | 196 06:25 | 196 09:40 | 1500 | 500 | 0 | 100 | 0 | 900 | 1400 | 0 | 2000 | 0 | 0 | 6400 |
| OBSERVATION | 196 09:40 | 196 14:15 | 2100 | 800 | 5600 | 200 | 0 | 1300 | 1900 | 0 | 2900 | 4500 | 44100 | 63400 |
| PLAYBACK*** | 196 14:15 | 196 23:30 | 3200 | 2400 | 10800 | 300 | 0 | 1600 | 3800 | 0 | 5000 | 0 | 0 | 27100 |
| Leftover: | 196 23:30 | undef max | 15300 | 8200 | 0 | 4400 | 0 | 7200 | 19700 | 0 | 24600 | 0 | 141000 | 220400 |

* = back-to-back or multirate playbacks; first one listed

# SOST Rev 11 DSN Requests

3/28/02

| DSN | Type | Track Start (ERT) | Track End (ERT) | Track Dur. | 2-way Dur. | Downlink Start (SCET) | Downlink End (SCET) | Downlink Duration | Data Rate (kbps) | OWLT (min) | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Goldstone | 70 | 2005-194T18:25 | 2005-195T02:15 | 7:50 | 5:00:00 | 2005-194T19:50 | 2005-195T00:50 | 00T05:00 | 124, 110, 99, 83, 66 | 82.58 | data downlink |
| Canberra | 34 H | 2005-196T02:05 | 2005-196T06:40 | 4:35 | 1:43:01 | 2005-196T03:30:09 | 2005-196T05:13:01 | 00T01:43:01 | | 82.58 | X-, KA-band;RSS occultations |
| Canberra | 70 | 2005-196T02:05 | 2005-196T06:15 | 4:10 | 1:19:59 | 2005-196T03:30:09 | 2005-196T04:49:58 | 00T01:19:59 | | 82.58 | X-, S-band; RSS occultations |
| Madrid | 34 H | 2005-196T03:50 | 2005-196T08:25 | 4:35 | 1:47 | 2005-196T05:12:59 | 2005-196T06:59:59 | 00T01:46:60 | | 82.58 | X-, KA-band;RSS occultations |
| Madrid | 70 | 2005-196T04:20 | 2005-196T08:25 | 4:05 | **1:17** | 2005-196T05:42:59 | 2005-196T06:59:59 | 00T01:16:60 | | 82.58 | X-, S-band; RSS occultations |
| Madrid | 70 | 2005-196T05:15 | 2005-196T11:05 | 5:50 | 3:00 | 2005-196T06:40 | 2005-196T09:40 | 00T03:00 | 83, 99, 124 | 82.58 | data downlink |
| Goldstone | 70 | 2005-196T15:50 | 2005-197T00:55 | 9:05 | 6:14:49 | 2005-196T14:30 | 2005-196T23:30 | 00T09:00 | 110, 124, 110, 99 | 82.58 | data downlink |

A. R. Hendrix

# Open Issues

- Minor CIMS edits are needed to make CIMS TOL match attitude strategy (see pink areas in CIMS TOL):
  - ISS (Epimetheus requests overlap each other)
  - UVIS (pink rider request overlaps prime request)