SOST

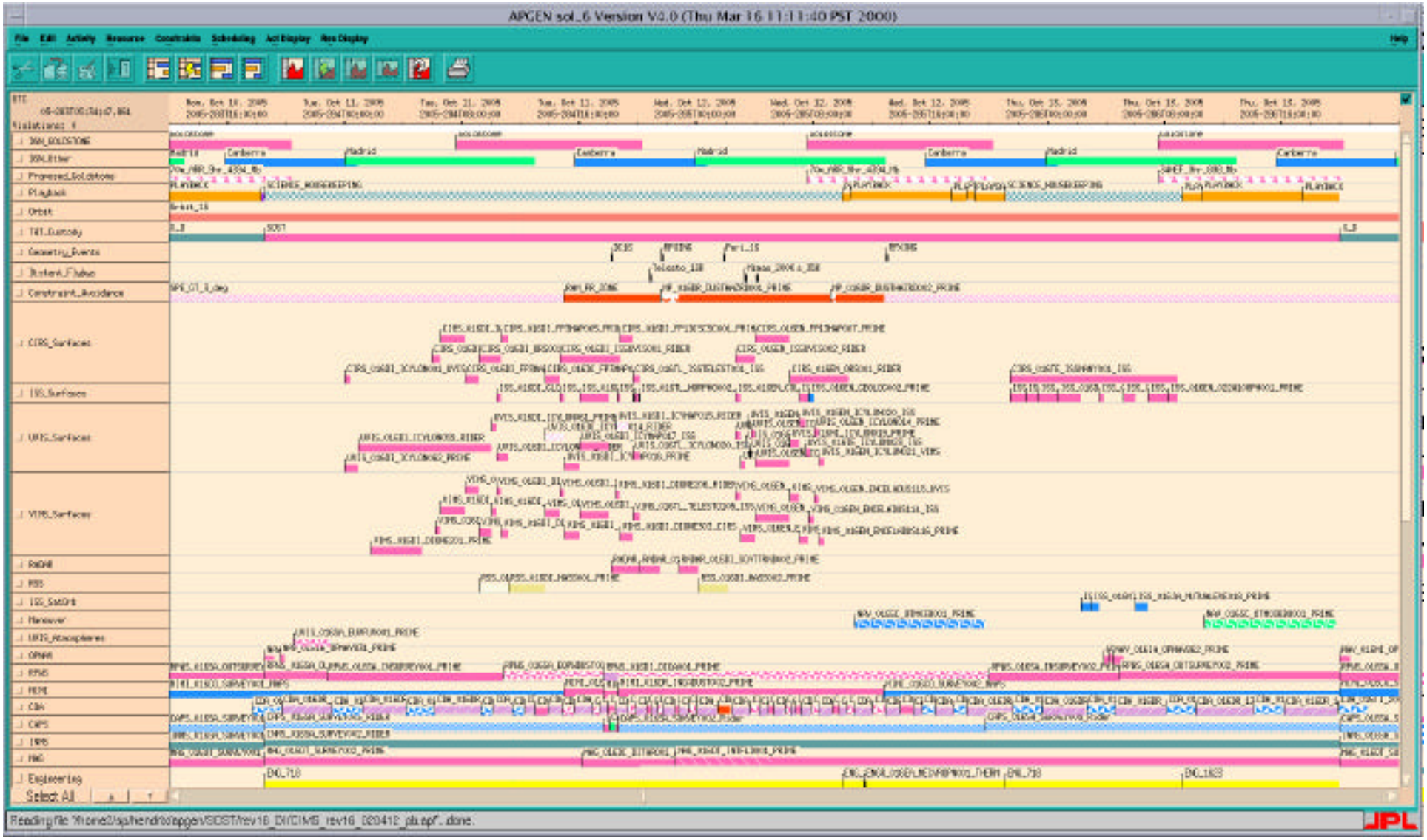
Rev 16

2005-283T18:27 - 2005-286T19:55

Amanda Hendrix, Bonnie Buratti

4/17/02

Rev 16 timeline



SOST Rev 16 CIMS TOL

4/17/02

Request	Start Time	Duration	EndTime	Rate	DataVolume	Pointing
MAG_016OT_SURVEY001_PRIME	2005-275T23:17:12	007T19:09:48	2005-283T18:27:00	600	404.2728	None
INMS_016SA_SURVEY001_RIDER	2005-282T13:10:00	001T05:17:00	2005-283T18:27:00	50	5.271	No Pointing Information.
RPWS_016SA_OUTSURVEY003_PRIME	2005-282T18:27:00	001T00:00:00	2005-283T18:27:00	1310	113	don't care
CAPS_016SA_SURVEY001_RIDER	2005-282T18:27:00	001T00:00:00	2005-283T18:27:00	1000	86.4	Control of 2nd axis when possible
MIMI_016CO_SURVEY001_MAPS	2005-283T07:51:00	001T07:04:00	2005-284T14:55:00	900	100.7	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
UVIS_016SW_IPHSURVEY014_RIDER	2005-283T09:12:00	000T09:15:00	2005-283T18:27:00	76	No DataVolum	any
CDA_016RI_1600RINGM011_RIDER	2005-283T17:39:36	000T02:00:00	2005-283T19:39:36	524	3.598	CDA to Kepler RAM
RPWS_016SA_OUTSURVEY005_PRIME	2005-283T18:27:00	000T04:18:00	2005-283T22:45:00	1310	20	don't care
MAG_016OT_SURVEY002_PRIME	2005-283T18:27:00	003T01:28:00	2005-286T19:55:00	600	158.688	None
INMS_016SA_SURVEY002_RIDER	2005-283T18:27:00	003T01:28:00	2005-286T19:55:00	50	13.224	No Pointing Information.
CAPS_016SA_SURVEY003_RIDER	2005-283T18:27:00	000T23:12:46	2005-284T17:39:46	700	No DataVolum	Control of 2nd axis when possible
NAV_016TE_OPNAV831_PRIME	2005-283T18:27:00	000T00:45:00	2005-283T19:12:00		6	-Y: RA 092.420, DEC -3.550
NAV_016IA_OPNAV831_PRIME	2005-283T19:32:00	000T00:20:00	2005-283T19:52:00		6	-Y: RA 078.806, DEC +4.571
CDA_016DR_1500DUST074_RIDER	2005-283T19:40:35	000T03:26:20	2005-283T23:06:55	524	6.186	CDA to Kepler RAM
UVIS_016SA_EUVFUV001_PRIME	2005-283T20:27:00	000T02:33:00	2005-283T23:00:00	5032	No DataVolum	UVIS FUV High Res Boresite to Saturn, Z parallel or perpendicular to equator
RPWS_016SA_INSURVEY001_PRIME	2005-283T22:45:00	000T11:59:48	2005-284T10:44:48	1310	57	don't care
CDA_016RI_1400RINGM009_RIDER	2005-283T23:07:56	000T02:00:00	2005-284T01:07:56	524	3.598	CDA to Kepler RAM
UVIS_016DI_ICYLON062_PRIME	2005-284T00:00:00	000T00:53:00	2005-284T00:53:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CIRS_016DI_ICYLON001_UVIS	2005-284T00:00:00	000T00:20:00	2005-284T00:20:00	4000	4.8	-Y to Dione
UVIS_016DI_ICYLON059_RIDER	2005-284T00:53:00	000T09:07:00	2005-284T10:00:00	5032	No DataVolum	Rider
CDA_016DR_1300DUST075_RIDER	2005-284T01:08:56	000T02:57:28	2005-284T04:06:24	524	5.321	CDA to Kepler RAM
VIMS_016DI_DIONE201_PRIME	2005-284T01:45:00	000T03:30:00	2005-284T05:15:00	VIMS_18432	62.4	vims boresight to Dione
CDA_016RI_1200RINGM009_RIDER	2005-284T04:07:25	000T02:00:00	2005-284T06:07:25	524	3.598	CDA to Kepler RAM
CIRS_016DI_FP3INT001_PRIME	2005-284T05:55:00	000T00:35:00	2005-284T06:30:00	4000	8.4	CIRS FP3 to Dione
CDA_016DR_1100DUST076_RIDER	2005-284T06:08:24	000T03:05:54	2005-284T09:14:18	524	5.573	CDA to Kepler RAM
VIMS_016DI_DIONE301_CIRS	2005-284T06:10:00	000T00:20:00	2005-284T06:30:00	VIMS_18432	5	vims boresight to Dione
VIMS_016DI_DIONE302_PRIME	2005-284T06:30:00	000T01:40:00	2005-284T08:10:00	VIMS_18432	30.5	vims boresight to Dione
CIRS_016DI_DIONE302_VIMS	2005-284T06:30:00	000T01:40:00	2005-284T08:10:00	4000	24	-Y to Dione
VIMS_016DI_DIONE330_CIRS	2005-284T08:10:00	000T01:00:00	2005-284T09:10:00	VIMS_18432	18.5	vims boresight to Dione
CIRS_016DI_FP3MAP004_PRIME	2005-284T08:10:00	000T01:00:00	2005-284T09:10:00	4000	14.4	-Y to Dione.
RSS_016DI_THERMAL001_RSS	2005-284T09:09:46	000T02:00:00	2005-284T11:09:46	0	0	No pointing requirement
CIRS_016DI_ORS001_RIDER	2005-284T09:10:00	000T01:30:00	2005-284T10:40:00	4000	21.6	-Y to Enceladus
VIMS_016DI_DIONE002_PRIME	2005-284T09:10:00	000T00:50:00	2005-284T10:00:00	VIMS_18432	17.5	vims boresight to Dione
CDA_016RI_1000RINGM009_RIDER	2005-284T09:15:19	000T00:49:59	2005-284T10:05:18	524	1.498	CDA to Kepler RAM
VIMS_016DI_DIONE331_UVIS	2005-284T10:00:00	000T00:20:00	2005-284T10:20:00	VIMS_18432	6.5	vims boresight to Dione
UVIS_016DI_ICYLON061_PRIME	2005-284T10:00:00	000T00:20:00	2005-284T10:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CDA_016DR_1000DUST077_RIDER	2005-284T10:06:19	000T01:17:36	2005-284T11:23:55	524	2.326	CDA to Kepler RAM
VIMS_016DI_DIONE332_ISS	2005-284T10:20:00	000T00:20:00	2005-284T10:40:00	VIMS_18432	6.5	vims boresight to Dione
ISS_016DI_GLOCOL001_PRIME	2005-284T10:20:00	000T00:20:00	2005-284T10:40:00		66	-Y to Dione, secondary TBD
UVIS_016DI_ICYLON063_RIDER	2005-284T10:20:00	000T00:49:00	2005-284T11:09:00	5032	No DataVolum	Rider
VIMS_016DI_DIONE333_CIRS	2005-284T10:40:00	000T00:29:00	2005-284T11:09:00	VIMS_18432	9	vims boresight to Dione
CIRS_016DI_FP3MAP005_PRIME	2005-284T10:40:00	000T00:29:00	2005-284T11:09:00	4000	6.96	-Y to Dione.
RPWS_016SA_EQPWDUST001_RPWS	2005-284T10:44:48	001T09:15:00	2005-285T19:59:48	3500	419	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver
RSS_016DI_MASS001_PRIME	2005-284T11:09:46	000T02:30:00	2005-284T13:39:46	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_016RI_0900RINGM009_RIDER	2005-284T11:24:55	000T00:49:59	2005-284T12:14:54	524	1.498	CDA to Kepler RAM
CDA_016DR_0900DUST078_RIDER	2005-284T12:15:55	000T00:43:02	2005-284T12:58:57	524	1.29	CDA to Kepler RAM
CDA_016RH_0900RHORX009_RIDER	2005-284T12:59:58	000T00:49:59	2005-284T13:49:57	524	1.49	CDA to Kepler RAM
VIMS_016DI_DIONE334_CIRS	2005-284T13:39:46	000T01:00:00	2005-284T14:39:46	VIMS_18432	26	vims boresight to Dione
CIRS_016DI_FP3MAP006_PRIME	2005-284T13:39:46	000T01:00:00	2005-284T14:39:46	4000	14.4	-Y to Dione.
UVIS_016DI_ICYMAP014_RIDER	2005-284T13:39:46	000T01:20:00	2005-284T14:59:46	32096	No DataVolum	Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec
CDA_016DR_0800DUST079_RIDER	2005-284T13:50:58	000T00:57:24	2005-284T14:48:22	524	1.721	CDA to Kepler RAM
VIMS_016DI_DIONE335_ISS	2005-284T14:39:46	000T00:20:00	2005-284T14:59:46	VIMS_18432	4	vims boresight to Dione
CIRS_016DI_ISSUVIS001_RIDER	2005-284T14:39:46	000T04:10:00	2005-284T18:49:46	4000	60	-Y to Dione

A. R. Hendrix

SOST Rev 16 CIMS TOL

4/17/02

ISS_016DI_REGMAPA001_PRIME	2005-284T14:39:46	000T00:20:00	2005-284T14:59:46		80	Boresight to Dione (2+3+2 mosaic); secondary -Z to Saturn NP
CDA_016RE_0800ERNGX009_PRIME	2005-284T14:49:24	000T00:49:59	2005-284T15:39:23	524	1.5	CDA to Kepler RAM
MIMI_016DR_INCADUST001_PRIME	2005-284T14:55:00	000T02:44:46	2005-284T17:39:46	1200	17.8	INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram.
VIMS_016DI_DIONE336_UVIS	2005-284T14:59:46	000T01:00:00	2005-284T15:59:46	VIMS_18432	22	vims boresight to Dione
UVIS_016DI_ICYMAP016_PRIME	2005-284T14:59:46	000T01:00:00	2005-284T15:59:46	32096	No DataVolum	-Y off limb, slit tangent to limb, continuous slew mosaic at 30 urad/sec
CDA_016DR_0700DUST089_RIDER	2005-284T15:40:23	000T01:13:11	2005-284T16:53:34	524	2.194	CDA to Kepler RAM
VIMS_016DI_DIONE337_ISS	2005-284T15:59:46	000T02:02:00	2005-284T18:01:46	VIMS_18432	30.9	vims boresight to Dione
ISS_016DI_TARGFLYBY001_PRIME	2005-284T15:59:46	000T02:02:00	2005-284T18:01:46		528	-Y to Dione (various mosaics); secondary -Z to Saturn NP
UVIS_016DI_ICYMAP017_ISS	2005-284T15:59:46	000T02:02:00	2005-284T18:01:46	32096	No DataVolum	Rider
MAG_016DI_DITAR001_RIDER	2005-284T16:09:46	000T04:00:00	2005-284T20:09:46	1376	19.82	none
CDA_016RE_0700ERNGX009_PRIME	2005-284T16:54:36	000T00:30:00	2005-284T17:24:36	524	0.9	CDA to Kepler RAM
CDA_016DR_0600DUST090_RIDER	2005-284T17:25:35	000T00:30:38	2005-284T17:56:13	524	0.918	CDA to Kepler RAM
RPWS_016DI_DICA001_PRIME	2005-284T17:39:46	000T01:00:00	2005-284T18:39:46	80556	290	don't care
CAPS_016DI_ENCOUNTER001_Rider	2005-284T17:39:46	000T01:00:00	2005-284T18:39:46	16000	57.6	Corotation within 75 deg of -Y (95 deg if towards -X)
MIMI_016DI_ENCOUNTER001_ISS	2005-284T17:39:46	000T01:00:00	2005-284T18:39:46	1800	6.5	INCA boresight out of dust ram. B field in X,Z plane, -X to corotation
CDA_016DI_DIODUST001_PRIME	2005-284T17:54:46	000T00:30:00	2005-284T18:24:46	524	1	CDA boresight to dust RAM
CDA_016DI_0600DIORX010_PRIME	2005-284T17:57:14	000T00:30:00	2005-284T18:27:14	524	0.9	CDA to Kepler RAM
CAPS_016DI_DIONEPTG001_PRIME	2005-284T18:01:46	000T00:28:00	2005-284T18:29:46	0	0	-X to corotation, -Z north with TBD offset
RADAR_016OT_WARMUP4DI001_RIDER	2005-284T18:09:46	000T03:00:00	2005-284T21:09:46	3000	32.5	No requirements
CDA_016DR_0600DUST091_RIDER	2005-284T18:28:14	000T00:52:56	2005-284T19:21:10	524	1.587	CDA to Kepler RAM
ISS_016DI_CRESCENT001_PRIME	2005-284T18:29:46	000T00:15:00	2005-284T18:44:46		29	-Y to Dione (mosaicking); secondary -Z to Saturn NP
VIMS_016DI_DIONE206_RIDER	2005-284T18:29:46	000T00:15:00	2005-284T18:44:46	VIMS_18432	5	vims boresight to Dione
UVIS_016DI_ICYMAP015_RIDER	2005-284T18:29:46	000T00:55:00	2005-284T19:24:46	32096	No DataVolum	Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec
MIMI_016DR_INCADUST002_PRIME	2005-284T18:39:46	000T18:05:14	2005-285T12:45:00	1200	117.2	INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram.
CAPS_016SA_SURVEY002_Rider	2005-284T18:39:46	001T01:05:14	2005-285T19:45:00	700	No DataVolum	Control of 2nd axis when possible
VIMS_016DI_DIONE303_CIRS	2005-284T18:44:46	000T00:55:00	2005-284T19:39:46	VIMS_18432	24.5	vims boresight to Dione
CIRS_016DI_FP1DISCSC001_PRIME	2005-284T18:44:46	000T00:55:00	2005-284T19:39:46	4000	13.2	-Y to Enceladus
CDA_016RE_0500ERNGX009_PRIME	2005-284T19:22:11	000T00:30:00	2005-284T19:52:11	524	0.9	CDA to Kepler RAM
VIMS_016TL_TELESTO105_ISS	2005-284T19:39:46	000T00:30:00	2005-284T20:09:46	VIMS_18432	3.75	vims boresight to Telesto
CIRS_016TL_ISSTELEST001_ISS	2005-284T19:39:46	000T00:30:00	2005-284T20:09:46	4000	7.2	-Y to Telesto
UVIS_016TL_ICYLON020_ISS	2005-284T19:39:46	000T00:30:00	2005-284T20:09:46	5032	No DataVolum	Rider
ISS_016TL_MORPHO001_PRIME	2005-284T19:39:46	000T00:08:00	2005-284T19:47:46		8.39	Boresight to target, +Z to North Saturn Pole
ISS_016TL_COLORF003_PRIME	2005-284T19:47:46	000T00:14:00	2005-284T20:01:46		16.78	Boresight to target, +Z to North Saturn Pole
CDA_016DR_0500DUST092_RIDER	2005-284T19:53:11	000T00:41:19	2005-284T20:34:30	524	1.238	CDA to Kepler RAM
ISS_016TL_MORPHO002_PRIME	2005-284T20:01:46	000T00:08:00	2005-284T20:09:46		8.39	Boresight to target, +Z to North Saturn Pole
RADAR_016DI_SCATTRAD001_PRIME	2005-284T20:09:46	000T01:25:00	2005-284T21:34:46	30000	153	RADAR must control both primary & secondary axes for polarization orientations
CDA_016TE_0500TEORX009_PRIME	2005-284T20:35:31	000T00:20:10	2005-284T20:55:41	524	0.6	CDA to Kepler RAM
CDA_016DR_0500DUST093_RIDER	2005-284T20:56:41	000T00:22:28	2005-284T21:19:09	524	0.673	CDA to Kepler RAM
CDA_016RE_0400ERNGX009_PRIME	2005-284T21:20:10	000T00:20:10	2005-284T21:40:20	524	0.6	CDA to Kepler RAM
MP_016DR_DUSTHAZRD001_PRIME	2005-284T21:32:00	000T01:17:00	2005-284T22:49:00		No DataVolum	-Z to dust ram
CDA_016DR_0400DUST094_RIDER	2005-284T21:41:20	000T00:48:21	2005-284T22:29:41	524	1.449	CDA to Kepler RAM
CDA_016EN_0400ENORX016_PRIME	2005-284T22:30:42	000T00:18:43	2005-284T22:49:25	524	0.6	CDA to Kepler RAM
MAG_016OT_INTFLD001_PRIME	2005-284T22:35:00	000T06:30:00	2005-285T05:05:00	1376	32.1984	Spacecraft x-axis (+ or -) within 45 degrees of magnetic field direction.
RADAR_016DI_SCATTRAD002_PRIME	2005-284T22:47:46	000T01:21:00	2005-285T00:08:46	30000	153	RADAR must control both primary & secondary axes for polarization orientations
CDA_016DR_0400DUST095_RIDER	2005-284T22:50:25	000T00:34:01	2005-284T23:24:26	524	1.019	CDA to Kepler RAM
CDA_016RE_0300ERNGX006_PRIME	2005-284T23:25:28	000T00:34:32	2005-285T00:00:00	4192	8.283	CDA to Kepler RAM
CDA_016DR_0300DUST096_RIDER	2005-285T00:01:00	000T01:22:56	2005-285T01:23:56	524	2.486	CDA to Kepler RAM
RSS_016DI_MASS002_PRIME	2005-285T00:08:46	000T02:01:00	2005-285T02:09:46	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_016MI_0300MIORX002_PRIME	2005-285T01:24:57	000T00:54:42	2005-285T02:19:39	4192	13.12	CDA to Kepler RAM
CDA_016DR_0300DUST097_RIDER	2005-285T02:20:39	000T01:18:41	2005-285T03:39:20	524	2.359	CDA to Kepler RAM
VIMS_016EN_ENCELADUS109_ISS	2005-285T02:39:00	000T00:21:00	2005-285T03:00:00	VIMS_18432	5	vims boresight to Enceladus
UVIS_016EN_ICYLON019_ISS	2005-285T02:39:00	000T00:21:00	2005-285T03:00:00	5032	No DataVolum	Rider
CIRS_016EN_ISSUVIS002_RIDER	2005-285T02:39:00	000T01:21:00	2005-285T04:00:00	4000	19.44	-Y to Enceladus
ISS_016EN_COLORF003_PRIME	2005-285T02:39:00	000T00:21:00	2005-285T03:00:00		25.17	Boresight to target, +Z to North Saturn Pole

SOST Rev 16 CIMS TOL

4/17/02

VIMS_016EN_ENCELADUS110_UVIS	2005-285T03:00:00	000T01:00:00	2005-285T04:00:00	VIMS_18432	17.35	vims boresight to Enceladus
UVIS_016EN_ICYLON017_PRIME	2005-285T03:00:00	000T00:20:00	2005-285T03:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
UVIS_016EN_ICYOCC003_PRIME	2005-285T03:20:00	000T00:08:00	2005-285T03:28:00	32096	No DataVolum	Target to ra = 83.7613, dec = -6.002. Orient slit tangent to limb. Stare.
UVIS_016EN_ICYOCC004_PRIME	2005-285T03:28:00	000T00:08:00	2005-285T03:36:00	32096	No DataVolum	Target to ra = 79.4013, dec = -6.8444. Orient slit tangent to limb. Stare.
UVIS_016EN_ICYOCC005_PRIME	2005-285T03:36:00	000T00:08:00	2005-285T03:44:00	32096	No DataVolum	Target to ra = 75.3592, dec = -7.1739. Orient slit tangent to limb. Stare.
CDA_016RE_0300ERNGX007_PRIME	2005-285T03:40:21	000T00:34:32	2005-285T04:14:53	4192	8.283	CDA to Kepler RAM
UVIS_016EN_ICYLON024_PRIME	2005-285T03:44:00	000T00:16:00	2005-285T04:00:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
VIMS_016EN_ENCELADUS111_CIRS	2005-285T04:00:00	000T02:20:00	2005-285T06:20:00	VIMS_18432	39	vims boresight to Enceladus
CIRS_016EN_FP13MAP007_PRIME	2005-285T04:00:00	000T02:20:00	2005-285T06:20:00	4000	33.6	-Y to Enceladus.
UVIS_016EN_ICYLON018_CIRS	2005-285T04:00:00	000T02:20:00	2005-285T06:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CDA_016DR_0400DUST098_RIDER	2005-285T04:15:52	000T00:38:18	2005-285T04:54:10	524	1.148	CDA to Kepler RAM
CDA_016EN_0400ENORX017_PRIME	2005-285T04:55:11	000T00:20:10	2005-285T05:15:21	4192	4.837	CDA to Kepler RAM
CDA_016DR_0400DUST099_RIDER	2005-285T05:16:20	000T00:42:39	2005-285T05:58:59	524	1.278	CDA to Kepler RAM
CDA_016RE_0400ERNGX010_PRIME	2005-285T06:00:00	000T00:24:28	2005-285T06:24:28	4192	5.868	CDA to Kepler RAM
VIMS_016MI_MIMAS112_UVIS	2005-285T06:20:00	000T00:40:00	2005-285T07:00:00	VIMS_18432	5	vims boresight to Mimas
CIRS_016EN_ORS001_RIDER	2005-285T06:20:00	000T02:25:00	2005-285T08:45:00	4000	34.8	-Y to Enceladus
UVIS_016MI_ICYLON019_PRIME	2005-285T06:20:00	000T00:40:00	2005-285T07:00:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CDA_016DR_0500DUST100_RIDER	2005-285T06:25:28	000T00:18:10	2005-285T06:43:38	524	0.544	CDA to Kepler RAM
CDA_016TE_0500TEORX010_PRIME	2005-285T06:44:39	000T00:20:10	2005-285T07:04:49	4192	4.837	CDA to Kepler RAM
VIMS_016EN_ENCELADUS113_ISS	2005-285T07:00:00	000T00:40:00	2005-285T07:40:00	VIMS_18432	10	vims boresight to Enceladus
UVIS_016EN_ICYLON020_ISS	2005-285T07:00:00	000T00:25:00	2005-285T07:25:00	5032	No DataVolum	Target to center of illuminated disk.
ISS_016EN_GEOLOG001_PRIME	2005-285T07:00:00	000T00:40:00	2005-285T07:40:00		29.36	Boresight to target, +Z to North Saturn Pole
CDA_016DR_0500DUST101_RIDER	2005-285T07:05:48	000T00:43:26	2005-285T07:49:14	524	1.302	CDA to Kepler RAM
UVIS_016TE_ICYLON023_ISS	2005-285T07:25:00	000T00:20:00	2005-285T07:45:00	5032	No DataVolum	Target to center of illuminated disk.
VIMS_016EN_ENCELADUS114_ISS	2005-285T07:40:00	000T00:20:00	2005-285T08:00:00	VIMS_18432	5	vims boresight to Enceladus
ISS_016EN_GEOLOG002_PRIME	2005-285T07:40:00	000T00:20:00	2005-285T08:00:00		25.17	Boresight to target, +Z to North Saturn Pole
CDA_016RE_0500ERNGX010_PRIME	2005-285T07:50:16	000T00:30:00	2005-285T08:20:16	4192	7.196	CDA to Kepler RAM
VIMS_016EN_ENCELADUS115_UVIS	2005-285T08:00:00	000T00:20:00	2005-285T08:20:00	VIMS_18432	9.5	vims boresight to Enceladus
UVIS_016EN_ICYLON014_PRIME	2005-285T08:00:00	000T00:20:00	2005-285T08:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
VIMS_016EN_ENCELADUS116_PRIME	2005-285T08:20:00	000T00:25:00	2005-285T08:45:00	VIMS_18432	8	vims boresight to Enceladus
UVIS_016EN_ICYLON021_VIMS	2005-285T08:20:00	000T00:25:00	2005-285T08:45:00	5032	No DataVolum	Target to center of illuminated disk.
CDA_016DR_0600DUST102_RIDER	2005-285T08:21:16	000T00:52:58	2005-285T09:14:14	524	1.588	CDA to Kepler RAM
MP_016DR_DUSTHAZRD002_PRIME	2005-285T09:06:00	000T00:26:00	2005-285T09:32:00		No DataVolum	-Z to dust ram
CDA_016DI_0600DIORX011_PRIME	2005-285T09:15:15	000T00:30:00	2005-285T09:45:15	4192	7.196	CDA to Kepler RAM
CDA_016DR_0600DUST103_RIDER	2005-285T09:46:15	000T00:27:44	2005-285T10:13:59	524	0.831	CDA to Kepler RAM
CDA_016RE_0700ERNGX010_PRIME	2005-285T10:15:00	000T00:30:00	2005-285T10:45:00	4192	7.196	CDA to Kepler RAM
NAV_016SC_OTM038001_PRIME	2005-285T10:45:00	000T09:00:00	2005-285T19:45:00	1638 bps	8.5 mb	Start/End Earth point
CDA_016DR_0700DUST104_RIDER	2005-285T10:46:00	000T01:15:22	2005-285T12:01:22	524	2.259	CDA to Kepler RAM
ENGR_016EA_MECVROPN001_THERM	2005-285T11:25:00	000T00:06:00	2005-285T11:31:00		No DataVolum	No Pointing Information.
CDA_016RE_0800ERNGX010_PRIME	2005-285T12:02:23	000T00:49:59	2005-285T12:52:22	4192	11.989	CDA to Kepler RAM
MIMI_016CO_SURVEY002_MAPS	2005-285T12:45:00	001T07:10:00	2005-286T19:55:00	900	284.9	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
CDA_016DR_0800DUST080_RIDER	2005-285T12:53:22	000T01:00:18	2005-285T13:53:40	524	1.808	CDA to Kepler RAM
CDA_016RH_0900RHORX010_RIDER	2005-285T13:54:41	000T00:49:59	2005-285T14:44:40	4192	11.989	CDA to Kepler RAM
CDA_016DR_0900DUST081_RIDER	2005-285T14:45:40	000T00:38:43	2005-285T15:24:23	524	1.16	CDA to Kepler RAM
CDA_016RI_0900RINGM010_RIDER	2005-285T15:25:24	000T00:49:59	2005-285T16:15:23	524	1.498	CDA to Kepler RAM
CDA_016DR_1000DUST082_RIDER	2005-285T16:16:23	000T01:17:36	2005-285T17:33:59	524	2.326	CDA to Kepler RAM
CDA_016RI_1000RINGM010_RIDER	2005-285T17:35:00	000T00:49:59	2005-285T18:24:59	524	1.498	CDA to Kepler RAM
CDA_016DR_1100DUST083_RIDER	2005-285T18:25:59	000T03:10:10	2005-285T21:36:09	524	5.701	CDA to Kepler RAM
CAPS_016SA_SURVEY005_Rider	2005-285T19:45:00	001T00:10:00	2005-286T19:55:00	1000	No DataVolum	Control of 2nd axis when possible
RPWS_016SA_INSURVEY002_PRIME	2005-285T19:59:48	000T08:55:12	2005-286T04:55:00	1310	42	don't care
ISS_016TE_094W101PH001_PRIME	2005-285T21:25:00	000T01:05:00	2005-285T22:30:00		40	-Y to Tethys, secondary -Z to Sun
CIRS_016TE_ISSMANY001_ISS	2005-285T21:25:00	000T11:25:00	2005-286T08:50:00	4000	74.4	-Y to target
CDA_016RI_1200RINGM010_RIDER	2005-285T21:37:11	000T02:00:00	2005-285T23:37:11	524	3.598	CDA to Kepler RAM
ISS_016EN_310W134PH001_PRIME	2005-285T22:30:00	000T00:50:00	2005-285T23:20:00		40	-Y to Enceladus, secondary -Z to Sun

A. R. Hendrix

SOST Rev 16 CIMS TOL

ISS_016MI_094W108PH001_PRIME	2005-285T23:20:00	000T01:20:00	2005-286T00:40:00		40	-Y to Mimas, secondary -Z to Sun				
CDA_016DR_1300DUST084_RIDER	2005-285T23:38:11	000T02:58:14	2005-286T02:36:25	524	5.344	CDA to Kepler RAM				
ISS_016DI_094W093PH001_PRIME	2005-286T00:40:00	000T01:36:00	2005-286T02:16:00		40	-Y to Dione, secondary -Z to Sun				
ISS_016PM_MUTUALEVE005_PRIME	2005-286T02:16:00	000T00:40:00	2005-286T02:56:00		20	ISS Boresight to Prometheus control of secondary axis not required				
CDA_016RI_1400RINGM010_RIDER	2005-286T02:37:26	000T02:00:00	2005-286T04:37:26	524	3.598	CDA to Kepler RAM				
ISS_016MI_MUTUALEVE005_PRIME	2005-286T02:56:00	000T00:34:00	2005-286T03:30:00		20	ISS Boresight to Mimas control of secondary axis not required				
ISS_016MI_166W113PH001_PRIME	2005-286T03:30:00	000T00:20:00	2005-286T03:50:00		40	-Y to Mimas, secondary -Z to Sun				
NAV_016HY_OPNAV862_PRIME	2005-286T03:50:00	000T00:20:00	2005-286T04:10:00		6	-Y: RA 101.351, DEC -1.900				
NAV_016DI_OPNAV861_PRIME	2005-286T04:10:00	000T00:15:00	2005-286T04:25:00		6	-Y: RA 033.827, DEC -6.224				
NAV_016IA_OPNAV862_PRIME	2005-286T04:25:00	000T00:45:00	2005-286T05:10:00		6	-Y: RA 071.603, DEC +7.011				
CDA_016DR_1500DUST085_RIDER	2005-286T04:38:26	000T03:25:36	2005-286T08:04:02	524	6.164	CDA to Kepler RAM				
RPWS_016SA_OUTSURVEY002_PRIME	2005-286T04:55:00	000T15:00:00	2005-286T19:55:00	1310	70	don't care				
ISS_016TE_166W110PH001_PRIME	2005-286T05:10:00	000T00:50:00	2005-286T06:00:00		40	-Y to Tethys, secondary -Z to Sun				
ISS_016JA_MUTUALEVE018_PRIME	2005-286T06:00:00	000T00:50:00	2005-286T06:50:00		20	ISS Boresight to Janus control of secondary axis not required				
ISS_016MI_238W122PH001_PRIME	2005-286T06:50:00	000T01:20:00	2005-286T08:10:00		40	-Y to Mimas, secondary -Z to Sun				
CDA_016RI_1600RINGM012_RIDER	2005-286T08:05:03	000T02:00:00	2005-286T10:05:03	524	3.598	CDA to Kepler RAM				
ISS_016EN_022W108PH001_PRIME	2005-286T08:10:00	000T00:40:00	2005-286T08:50:00		40	-Y to Enceladus, secondary -Z to Sun				
CDA_016DR_1700DUST086_RIDER	2005-286T10:06:03	000T03:57:59	2005-286T14:04:02	524	7.135	CDA to Kepler RAM				
NAV_016SC_OTM038BU001_PRIME	2005-286T10:40:00	000T09:00:00	2005-286T19:40:00	1638 bps	8.5 mb	Start/End Earth point				
CDA_016RI_1800RINGM011_RIDER	2005-286T14:05:03	000T02:00:00	2005-286T16:05:03	524	3.598	CDA to Kepler RAM				
CDA_016DR_1900DUST091_RIDER	2005-286T16:06:03	000T03:42:51	2005-286T19:48:54	150	1.912	CDA to Kepler RAM				
CDA_016TI_2000TIORX012_RIDER	2005-286T19:49:55	000T02:00:00	2005-286T21:49:55	200	1.373	CDA to Kepler RAM				

Rev 16 SOST Attitude Strategy

EPOCH_016DI=2005-284T18:09:46
NSP=Saturn North Pole

						Observation Attitude		
Request	Riders	Start (SCET)	Start (Epoch)	Dur	End (SCET)	Primary	Secondary	Comments
OPNAV		2005-283T18:27		00:45	2005-283T19:12	NAC to 92.420/-3.550	+X to NEP	pick up at -Z to Earth
OPNAV		2005-283T19:32		00:20	2005-283T19:52	NAC to 78.806/+4.571	+X to NEP	leave off at NAC to Saturn
UVIS Saturn	C, V	2005-283T20:27		02:33	2005-283T23:00			leave off at NAC to Dione
NEW WAYPOINT		**2005-283T23:00**				**NAC to DIONE**	**-Z to NSP**	
(track waypoint)		2005-283T23:00		01:00	2005-284T00:00			
UVIS Dione Icy Lon	C	2005-284T00:00		00:53	2005-284T00:53			
UVIS Dione Icy Lon		2005-284T00:53		00:52	2005-284T01:45			
VIMS Dione	C, U	2005-284T01:45		03:30	2005-284T05:15			
(track waypoint)		2005-284T05:15		00:40	2005-285T05:55			
CIRS		2005-284T05:55		00:35	2005-284T06:30			
VIMS Dione	C, U	2005-284T06:30		01:40	2005-284T08:10			
CIRS	V, U	2005-284T08:10		01:00	2005-284T09:10			
VIMS Dione	C, U	2005-284T09:10		00:50	2005-284T10:00			
UVIS Dione Icy Lon	V, C	2005-284T10:00		00:20	2005-284T10:20			
ISS Dione	C, V, U	2005-284T10:20		00:20	2005-284T10:40			
CIRS	U, V	2005-284T10:40		00:29	2005-284T11:09			
DEAD TIME FOR MOVABLE BLOCK		2005-284T11:09		00:01	2005-284T11:10			
RSS		2005-284T11:10	DI-07:00	02:30		-Z to Earth	-Y to NEP	(no downlink)
CIRS Dione	V, U	2005-284T13:40	DI-04:30	01:00				
ISS	V, U, C	2005-284T14:40	DI-03:30	00:20				1 min. dwell time
UVIS	C, V	2005-284T15:00	DI-03:10	01:00				
ISS Dione	V, U, C	2005-284T16:00	DI-02:10	02:02				accommodates VIMS requirements
CAPS	U, V, C	2005-284T18:02	DI-00:08	00:28		+Y to Sun	-Z to Dione NP	direct handoffs; point at ra, dec of potential UVIS occ if possible
ISS crescent imaging	C, U, V	2005-284T18:30	DI+00:20	00:15				
CIRS FP1 limb-to-limb scans	U, V, I	2005-284T18:45	DI+00:35	00:55		FP1 to Dione		
ISS Telesto	C, V, U	2005-284T19:40	DI+01:30	00:30		NAC to Telesto		
RADAR		2005-284T20:10	DI+02:00	01:25		-Z to Dione	-Y to NSP	pick up at -Y to Telesto; leave off at -Z to dust ram
E-ring crossing		2005-284T21:35	DI+03:25	01:13	2005-284T22:48	-Z to dust ram (RA/DEC)	(CDA)	
RADAR		2005-284T22:48	DI+04:38	01:21		-Z to Dione	-Y to NSP	pick up at -Z to dust ram; leave off at -Z to Earth
RSS		2005-285T00:09	DI+05:59	02:01		-Z to Earth	-Y to NSP	(no warmup); no downlink
DEAD TIME FOR MOVABLE BLOCK		2005-285T02:10		00:09				
turn to new waypoint		2005-285T02:19		00:20				
NEW WAYPOINT		**2005-285T02:39**				**NAC to ENCELADUS**	**+X to ENCELADUS NP**	
ISS Enceladus	V, U, C	2005-285T02:39		00:21	2005-285T03:00			
UVIS Enceladus Icy Lon	I, C,V	2005-285T03:00		01:00	2005-285T04:00			
CIRS	V, U, I	2005-285T04:00		02:20	2005-285T06:20			
UVIS Mimas Icy Lon	I, C,V	2005-285T06:20		00:40	2005-285T07:00			
ISS Enceladus	C, U	2005-285T07:00		00:25	2005-285T07:25			
ISS Tethys	C, U	2005-285T07:25		00:15	2005-285T07:40			
ISS Enceladus	C	2005-285T07:40		00:20	2005-285T08:00			
UVIS Enceladus Icy Lon	C, I	2005-285T08:00		00:20	2005-285T08:20			
VIMS Enceladus	U, C, I	2005-285T08:20		00:25	2005-285T08:45			
Dione dust crossing		2005-285T08:45			2005-285T09:35	-Z to dust ram (RA/DEC)	(CDA)	
turn to Earth		2005-285T09:35		00:20	2005-285T09:55			
Downlink		2005-285T09:55		11:10	2005-285T21:05			OTM
turn to waypoint		2005-285T21:05		00:20	2005-285T21:25			
NEW WAYPOINT		**2005-285T21:25**				**NAC to SATURN**	**-Z to SUN**	
ISS Tethys	C	2005-285T21:25		01:05	2005-285T22:30	NAC to Tethys		
ISS Enceladus	C	2005-285T22:30		00:50	2005-285T23:20	NAC to Enceladus		
ISS Mimas	C	2005-285T23:20		01:20	2005-286T00:40	NAC to Mimas		
ISS Dione	C	2005-286T00:40		01:36	2005-286T02:16	NAC to Dione		
ISS Prometheus Mutual Event	C	2005-286T02:16		00:40	2005-286T02:56	NAC to Prometheus		
ISS Mimas Mutual Event	C	2005-286T02:56		00:34	2005-286T03:30	NAC to Mimas		
ISS Mimas	C	2005-286T03:30		00:20	2005-286T03:50	NAC to Mimas		
OPNAV	C	2005-286T03:50		00:20	2005-286T04:10	NAC to 101.351/-1.900		
OPNAV		2005-286T04:10		00:15	2005-286T04:25	NAC to 33.827/-6.224		
OPNAV		2005-286T04:25		00:45	2005-286T05:10	NAC to 71.603/+7.011		
ISS Tethys	C	2005-286T05:10		00:50	2005-286T06:00	NAC to Tethys		
ISS Janus Mutual Event	C	2005-286T06:00		00:50	2005-286T06:50	NAC to Janus		
ISS Mimas	C	2005-286T06:50		01:20	2005-286T08:10	NAC to Mimas		
ISS Enceladus	C	2005-286T08:10		00:40	2005-286T08:50	NAC to Enceladus		
turn to Earth		2005-286T08:50		00:20	2005-286T09:10			
Downlink		2005-286T09:10		10:45	2005-286T19:55			backup OTM

SOST Rev 16 OpMode/Telemetry Mode Strategy

4/17/02

Start Time	Dur	End Time	OpMode	OpMode Transition Time (from prev.)	Telemetry Mode	Comments
2005-283T18:27	02:00	2005-283T20:27	ORS_RWA		S_N_ER_5	OPNAV
2005-283T20:27	07:43	2005-284T09:10	ORS_RWA		S_N_ER_3	ORS
2005-284T09:10	02:00	2005-284T11:10	unique	TBD	S_N_ER_3	ORS; RSS warm-up
DI-07:00	2:30	DI-04:30	RSS3_RWA	TBD	S_N_ER_3	RSS activity (no downlink)
DI-04:30	04:30	DI+00:00	ORS_RWA	00:01:02	S_N_ER_3	ORS
DI+00:00	02:00	DI+02:00	RADAR_WU	00:00:10	S_N_ER_3	ORS; RADAR warm-up
DI+02:00	01:25	DI+03:25	RADAR_RWA	00:00:50	S_N_ER_3	RADAR
DI+03:25	01:13	DI+04:38	RADAR_WU	00:00:26	S_N_ER_3	ORS during dust crossing; RADAR warmup
DI+04:38	01:21	DI+05:59	RADAR_RWA	00:00:42	S_N_ER_8	RADAR
DI+05:59	02:01	DI+08:00	RSS3_RWA	00:10:30	S_N_ER_3	RSS activity (no warmup; no downlink)
2005-285T02:10	07:45	2005-285T09:55	ORS_RWA	00:01:02	S_N_ER_3	ORS
2005-285T09:55	11:10	2005-285T21:05	DFPW	00:00:06	RTE_&_SPB_X	downlink; OTM
2005-285T21:05	00:20	2005-285T21:25	ORS_RWA	00:00:05	S_N_ER_3	ORS
2005-285T21:25	02:40	2005-286T00:05	ORS_RWA		S_N_ER_5	ISS Tethys
2005-286T00:05	00:35	2005-286T00:40	ORS_RWA		S_N_ER_3	
2005-286T00:40	00:50	2005-286T01:30	ORS_RWA		S_N_ER_5	ISS Dione
2005-286T01:30	02:00	2005-286T03:30	ORS_RWA		S_N_ER_3	
2005-286T03:30	02:30	2005-286T06:00	ORS_RWA		S_N_ER_5	ISS Mimas; OPNAV; ISS Tethys
2005-286T06:00	01:30	2005-286T07:30	ORS_RWA		S_N_ER_3	
2005-286T07:30	01:20	2005-286T08:50	ORS_RWA		S_N_ER_5	ISS
2005-286T08:50	00:20	2005-286T09:10	ORS_RWA		S_N_ER_3	
2005-286T09:10	10:45	2005-286T19:55	DFPW	00:00:06	RTE_&_SPB_X	downlink; backup OTM

A. R. Hendrix

SOST Rev 16 Data Volume 4/17/02

Playback	Start doy hh:mm	End doy hh:mm	Volume (Mb)	5% (Mb)	ENG+HK (Mb)	SCIENCE (Mb)	TOTAL (Mb)	MARGIN (Mb)
PLAYBACK*	283 09:12	283 18:26	24617	1231	0	647	647	22739
PLAYBACK****	285 09:40	285 21:05	4548	227	201	3698	3899	422
PLAYBACK**	286 08:55	286 19:55	3991	200	104	828	933	2859
Leftover:					0	1426	1426	-1426

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)	VIMS (Mb)	ENG (Mb)	SCIENC (Mb)	TOTAL (Mb)
OBSERVATION	undef min	283 09:12	53.1	0.0	0.0	3.6	0.0	384.3	4.4	0.0	69.6	0.0	0.0	0.0	0.0	0.0	514.9
PLAYBACK*	283 09:12	283 18:26	33.3	1.5	0.0	1.7	0.0	20.0	30.0	0.0	43.6	2.5	0.0	0.0	0.0	0.0	132.5
OBSERVATION	283 18:26	285 09:40	153.9	127.2	262.8	7.1	832.1	136.7	149.5	331.4	655.7	387.2	370.9	0.0	101.4	33.3	3549.2
PLAYBACK****	285 09:40	285 21:05	30.2	50.9	0.0	2.1	0.0	24.7	40.3	0.0	135.3	0.0	0.0	0.0	65.9	0.2	349.6
OBSERVATION	285 21:05	286 08:55	42.6	22.2	74.4	2.1	398.9	25.6	38.3	0.0	55.8	0.0	0.0	0.0	30.6	10.1	700.5
PLAYBACK**	286 08:55	286 19:55	39.6	15.5	0.0	2.0	0.0	23.8	35.6	0.0	51.9	0.0	0.0	0.0	63.4	0.2	232.0
Leftover:	286 19:55	undef max	204.3	1.4	0.0	11.3	6.3	722.7	183.9	0.0	296.2	0.0	0.0	0.0	0.0	0.0	1426.0

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)	VIMS (Pkts)	TOTAL (Pkts)
OBSERVATION	undef min	283 09:12	6700	0	0	500	0	48700	600	0	9200	0	0	0	65700
PLAYBACK*	283 09:12	283 18:26	4200	400	0	300	0	2600	3800	0	5800	300	0	0	17400
OBSERVATION	283 18:26	285 09:40	19300	30400	32900	900	109300	17300	18700	43600	86100	44500	63000	0	466000
PLAYBACK****	285 09:40	285 21:05	3800	12200	0	300	0	3200	5100	0	17800	0	0	0	42400
OBSERVATION	285 21:05	286 08:55	5400	5300	9300	300	52400	3300	4800	0	7400	0	0	0	88200
PLAYBACK**	286 08:55	286 19:55	5000	3800	0	300	0	3100	4500	0	6900	0	0	0	23600
Leftover:	286 19:55	undef max	25600	400	0	1500	900	91500	23000	0	38900	0	0	0	181800

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

SOST Rev 16 DSN Requests

4/17/02

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	Comments
Goldstone DSS-25	34 BWG	2005-284T09:45	2005-284T15:05	00T05:20	00T02:30	2005-284T11:10	2005-284T13:40	00T02:30		81.39	RSS ranging
Madrid	34 BWG / 70 m	2005-284T22:45	2005-285T03:35	00T04:50	00T02:01	2005-285T00:09	2005-285T02:10	00T02:01		81.39	RSS ranging; 1st 11 min with 34BWG
Goldstone, Canberra	70 m	2005-285T11:15	2005-285T22:30	00T11:10	00T08:27	2005-285T09:55	2005-285T21:05	00T11:10	142, 124, 110,99, 83	81.39	OTM, downlink; 1st 06:30 at Goldstone
Goldstone	70 m	2005-286T10:30	2005-286T21:20	00T10:50	00T08:02	2005-286T09:10	2005-286T19:55	00T10:45	110, 142, 66	81.39	downlink, backup-OTM

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Open Issues

- Pointing during RAM crossings undefined
  - Primary axis to be defined by MP
  - Secondary axis to be defined by CDA
- ISS TARGFLYBY request is a placeholder for more complicated mosaicking request