SOST

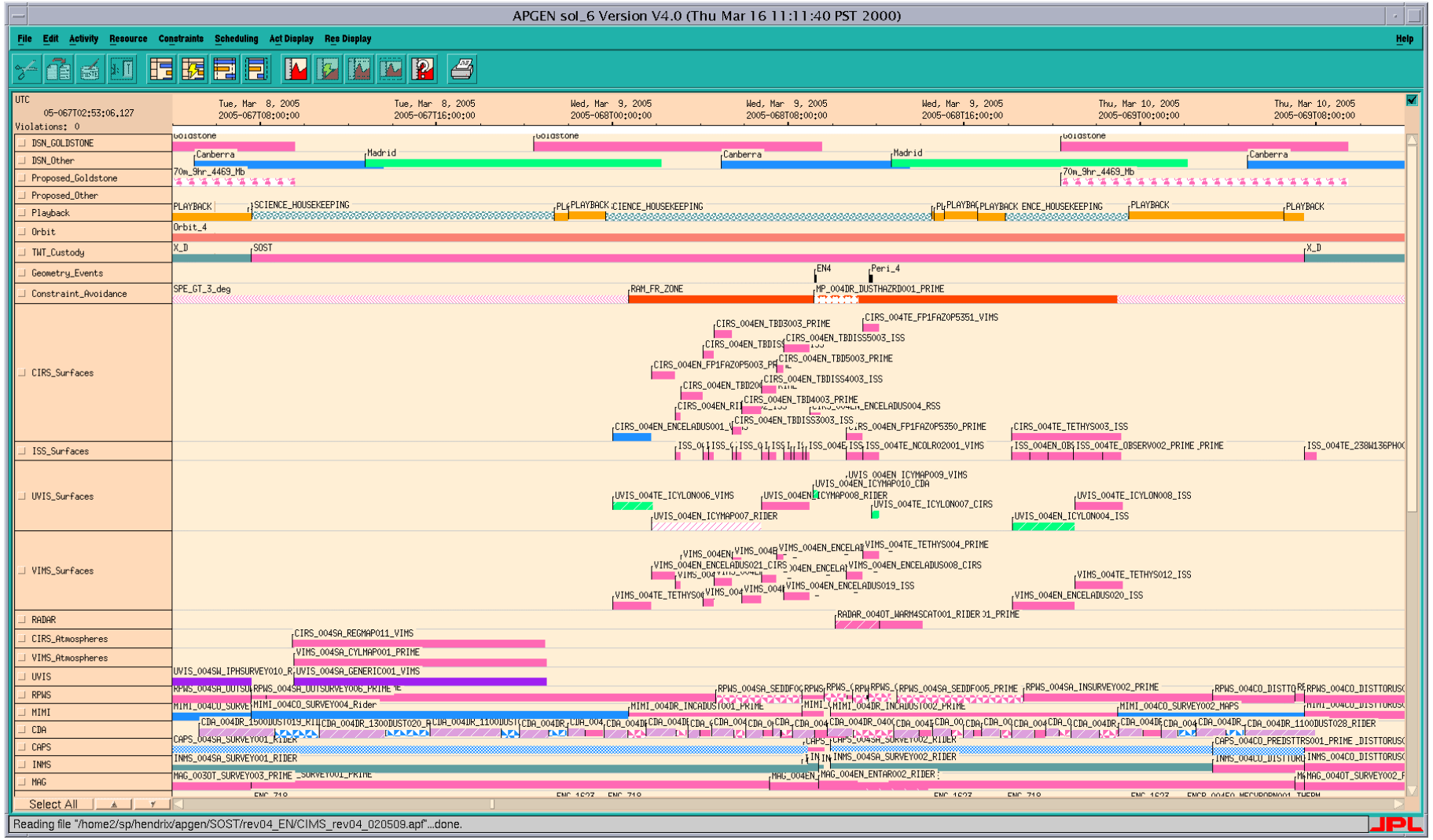
Rev 04

2005-067T07:34- 2005-069T07:26

Amanda Hendrix, Bonnie Buratti

5/09/02

Rev 04 timeline



Request	Start Time	Duration	EndTime	Rate	DataVolume	Pointing
MAG_003OT_SURVEY003_PRIME	2005-058T00:36:00	009T06:58:00	2005-067T07:34:00	600	481.61	None
CAPS_004SA_SURVEY001_RIDER	2005-058T06:48:00	010T02:05:09	2005-068T08:53:09	1000	207.488	Control of 2nd axis when possible
INMS_004SA_SURVEY001_RIDER	2005-058T06:53:11	010T01:59:58	2005-068T08:53:09	50	43.56	No Pointing Information.
RPWS_004SA_OUTSURVEY004_PRIME	2005-063T12:35:00	003T18:59:00	2005-067T07:34:00	1310	429	don't care
MIMI_004CO_SURVEY001_MAPS	2005-065T23:15:00	001T08:19:00	2005-067T07:34:00	900	160.2	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
UVIS_004SW_IPHSURVEY010_RIDER	2005-066T22:35:00	000T09:00:00	2005-067T07:35:00	76 bps	No DataVolum	any
CDA_004DR_1500DUST019_RIDER	2005-067T05:10:50	000T03:25:35	2005-067T08:36:25	524	6.164	CDA to Kepler RAM
MAG_004OT_SURVEY001_PRIME	2005-067T07:34:00	001T23:52:00	2005-069T07:26:00	600	103.39	None
MIMI_004CO_SURVEY004_Rider	2005-067T07:34:00	000T17:08:00	2005-068T00:42:00	900	55.5	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
RPWS_004SA_OUTSURVEY006_PRIME	2005-067T07:34:00	000T00:41:00	2005-067T08:15:00	1310	3	don't care
RPWS_004SA_INSURVEY001_PRIME	2005-067T08:15:00	000T20:24:41	2005-068T04:39:41	1310	96	don't care
CDA_004RI_1400RINGM003_RIDER	2005-067T08:37:26	000T01:59:59	2005-067T10:37:25	524	3.597	CDA to Kepler RAM
CIRS_004SA_REGMAP011_VIMS	2005-067T09:26:34	000T11:30:00	2005-067T20:56:34	4000	165.6	-y to Saturn, +x to pole
VIMS_004SA_CYLMAP001_PRIME	2005-067T09:30:00	000T11:30:00	2005-067T21:00:00	VIMS_18432	500	primary NAC to nadir, secondary z parallel to polar axis
UVIS_004SA_GENERIC001_VIMS	2005-067T09:30:00	000T11:30:00	2005-067T21:00:00	5032	No DataVolum	No Pointing Information.
CDA_004DR_1300DUST020_RIDER	2005-067T10:38:26	000T03:00:23	2005-067T13:38:49	524	5.408	CDA to Kepler RAM
CDA_004RI_1200RINGM003_RIDER	2005-067T13:39:50	000T01:59:59	2005-067T15:39:49	524	3.597	CDA to Kepler RAM
CDA_004DR_1100DUST021_RIDER	2005-067T15:40:50	000T03:13:04	2005-067T18:53:54	524	5.788	CDA to Kepler RAM
CDA_004RI_1000RINGM003_RIDER	2005-067T18:54:55	000T00:50:00	2005-067T19:44:55	524	1.499	CDA to Kepler RAM
CDA_004DR_1000DUST022_RIDER	2005-067T19:45:55	000T01:18:19	2005-067T21:04:14	524	2.348	CDA to Kepler RAM
CDA_004RI_0900RINGM003_RIDER	2005-067T21:05:15	000T00:50:00	2005-067T21:55:15	524	1.499	CDA to Kepler RAM
CDA_004DR_0900DUST023_RIDER	2005-067T21:56:14	000T00:47:21	2005-067T22:43:35	524	1.419	CDA to Kepler RAM
CDA_004RH_0900RHORX003_RIDER	2005-067T22:44:36	000T00:50:00	2005-067T23:34:36	4192	11.993	CDA to Kepler RAM
CDA_004DR_0800DUST024_RIDER	2005-067T23:35:35	000T01:03:12	2005-068T00:38:47	524	1.894	CDA to Kepler RAM
ENGR_004SC_ORSRWA009_PPS	2005-067T23:40:00	000T00:00:05	2005-067T23:40:05		No DataVolum	No Pointing Information.
VIMS_004TE_TETHYS001_PRIME	2005-068T00:00:00	000T01:46:34	2005-068T01:46:34	VIMS_18432	35	vims boresight to tethys
CIRS_004EN_ENCELADUS001_VIMS	2005-068T00:00:00	000T01:46:34	2005-068T01:46:34	4000	25.58	-Y to Enceladus
UVIS_004TE_ICYLON006_VIMS	2005-068T00:00:00	000T01:45:00	2005-068T01:45:00	5032	No DataVolum	Ride-along with VIMS_004TE_TETHYS001
CDA_004RE_0800ERNGX003_PRIME	2005-068T00:39:48	000T00:50:00	2005-068T01:29:48	4192	11.993	CDA to Kepler RAM
MIMI_004DR_INCADUST001_PRIME	2005-068T00:42:00	000T08:11:09	2005-068T08:53:09	1800	53	INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram.
CDA_004DR_0700DUST019_RIDER	2005-068T01:30:47	000T01:21:07	2005-068T02:51:54	524	2.432	CDA to Kepler RAM
UVIS_004EN_ICYMAP007_RIDER	2005-068T01:46:34	000T04:59:00	2005-068T06:45:34	32096	No DataVolum	Ride-along w/ ORS observations CIRS004EN_FP1FAZOP5003 to ISS004_EN_N3CPOL004
CIRS_004EN_FP1FAZ0P5003_PRIME	2005-068T01:46:34	000T01:04:00	2005-068T02:50:34	4000	15.36	-Y to Enceladus.
VIMS_004EN_ENCELADUS021_CIRS	2005-068T01:46:34	000T01:04:00	2005-068T02:50:34	VIMS_18432	19.25	vims boresight to enceladus
VIMS_004EN_ENCELADUS011_ISS	2005-068T02:50:34	000T00:15:00	2005-068T03:05:34	VIMS_18432	4.125	vims boresight to enceladus
CIRS_004EN_RIDER002_ISS	2005-068T02:50:34	000T00:15:00	2005-068T03:05:34	4000	3.6	-Y to Enceladus.
ISS_004EN_N3CPOL002_PRIME	2005-068T02:50:34	000T00:15:00	2005-068T03:05:34		37.75	Boresight to Enceladus, -X North
CDA_004RE_0700ERNGX003_PRIME	2005-068T02:52:55	000T00:29:59	2005-068T03:22:54	4192	7.192	CDA to Kepler RAM
VIMS_004EN_ENCELADUS012_CIRS	2005-068T03:05:34	000T01:00:00	2005-068T04:05:34	VIMS_18432	19.5	vims boresight to enceladus
CIRS_004EN_TBD2003_PRIME	2005-068T03:05:34	000T01:00:00	2005-068T04:05:34	4000	14.4	-Y to Enceladus.
CDA_004DR_0600DUST020_RIDER	2005-068T03:23:55	000T00:32:47	2005-068T03:56:42	524	0.982	CDA to Kepler RAM
CDA_004DI_0600DIORX004_PRIME	2005-068T03:57:43	000T00:29:59	2005-068T04:27:42	4192	7.192	CDA to Kepler RAM
VIMS_004EN_ENCELADUS013_ISS	2005-068T04:05:34	000T00:30:00	2005-068T04:35:34	VIMS_18432	9.75	vims boresight to enceladus
ISS_004EN_N4COLR003_PRIME	2005-068T04:05:34	000T00:15:00	2005-068T04:20:34		12.58	Boresight to Enceladus, -X North
CIRS_004EN_TBDISS2003_ISS	2005-068T04:05:34	000T00:30:00	2005-068T04:35:34	4000	7.2	-Y to Enceladus.
ISS_004EN_N3CPOL003_PRIME	2005-068T04:20:34	000T00:15:00	2005-068T04:35:34		37.75	Boresight to Enceladus, -X North
CDA_004DR_0600DUST021_RIDER	2005-068T04:28:43	000T01:00:52	2005-068T05:29:35	524	1.824	CDA to Kepler RAM
VIMS_004EN_ENCELADUS014_CIRS	2005-068T04:35:34	000T00:50:00	2005-068T05:25:34	VIMS_18432	17.5	vims boresight to enceladus
CIRS_004EN_TBD3003_PRIME	2005-068T04:35:34	000T00:50:00	2005-068T05:25:34	4000	12	-Y to Enceladus.
RPWS_004SA_SEDDF001_PRIME	2005-068T04:39:41	000T03:59:31	2005-068T08:39:12	2300	33	Don't care
VIMS_004EN_ENCELADUS015_ISS	2005-068T05:25:34	000T00:25:00	2005-068T05:50:34	VIMS_18432	8.75	vims boresight to enceladus
CIRS_004EN_TBDISS3003_ISS	2005-068T05:25:34	000T00:25:00	2005-068T05:50:34	4000	6	-Y to Enceladus.
ISS_004EN_N4COLR004_PRIME	2005-068T05:25:34	000T00:10:00	2005-068T05:35:34		16.78	Boresight to Enceladus, -X North
CDA_004RE_0500ERNGX003_PRIME	2005-068T05:30:36	000T00:29:59	2005-068T06:00:35	4192	7.192	CDA to Kepler RAM
ISS_004EN_N3CPOL004_PRIME	2005-068T05:35:34	000T00:15:00	2005-068T05:50:34		37.75	Boresight to Enceladus, -X North

VIMS_004EN_ENCELADUS016_CIRS	2005-068T05:50:34	000T00:55:00	2005-068T06:45:34	VIMS_18432	24.75	vims boresight to enceladus
CIRS_004EN_TBD4003_PRIME	2005-068T05:50:34	000T00:55:00	2005-068T06:45:34	4000	13.2	-Y to Enceladus.
CDA_004DR_0500DUST022_RIDER	2005-068T06:01:35	000T00:47:48	2005-068T06:49:23	524	1.433	CDA to Kepler RAM
UVIS_004EN_ICYMAP008_RIDER	2005-068T06:45:34	000T02:11:00	2005-068T08:56:34	32096	No DataVolum	Ride-along w/ ORS; ISS_004EN_NGNPOL001 to ISS_004EN_REGEO002
ISS_004EN_NGNPOL001_PRIME	2005-068T06:45:34	000T00:20:00	2005-068T07:05:34		50.33	Boresight to Enceladus, -X North
CIRS_004EN_TBDISS4003_ISS	2005-068T06:45:34	000T00:40:00	2005-068T07:25:34	4000	9.6	-Y to Enceladus.
VIMS_004EN_ENCELADUS017_ISS	2005-068T06:45:34	000T00:40:00	2005-068T07:25:34	VIMS_18432	14	vims boresight to enceladus
CDA_004TE_0500TEORX003_PRIME	2005-068T06:50:24	000T00:24:28	2005-068T07:14:52	4192	5.868	CDA to Kepler RAM
ISS_004EN_N3COL001_PRIME	2005-068T07:05:34	000T00:20:00	2005-068T07:25:34		50.33	Boresight to Enceladus, -X North
MAG_004EN_ENTAR001_RIDER	2005-068T07:06:34	000T04:00:00	2005-068T11:06:34	1376	10.8	none
CDA_004DR_0500DUST023_RIDER	2005-068T07:15:52	000T00:22:28	2005-068T07:38:20	524	0.673	CDA to Kepler RAM
VIMS_004EN_ENCELADUS018_CIRS	2005-068T07:25:34	000T00:20:00	2005-068T07:45:34	VIMS_18432	13	vims boresight to enceladus
CIRS_004EN_TBD5003_PRIME	2005-068T07:25:34	000T00:20:00	2005-068T07:45:34	4000	4.8	-Y to Enceladus.
CDA_004EN_ENC1DUST001_RSS	2005-068T07:36:34	000T03:00:00	2005-068T10:36:34	4192	45	primary: HGA to Earth, secondary: tbd.
CDA_004RE_0400ERNGX003_PRIME	2005-068T07:39:22	000T00:30:14	2005-068T08:09:36	4192	7.252	CDA to Kepler RAM
VIMS_004EN_ENCELADUS019_ISS	2005-068T07:45:34	000T01:11:00	2005-068T08:56:34	VIMS_18432	18.25	vims mosaicing of enceladus, ride alog with iss
ISS_004EN_REGEO002_PRIME	2005-068T07:45:34	000T00:20:00	2005-068T08:05:34		37.75	Boresight to Enceladus, -X North
CIRS_004EN_TBDISS5003_ISS	2005-068T07:45:34	000T01:11:00	2005-068T08:56:34	4000	17.04	-Y to Enceladus.
ISS_004EN_MORPH001_PRIME	2005-068T08:05:34	000T00:08:00	2005-068T08:13:34		37.75	Boresight to Enceladus, -X North
CDA_004DR_0400DUST024_RIDER	2005-068T08:10:36	000T00:58:28	2005-068T09:09:04	524	1.753	CDA to Kepler RAM
ISS_004EN_N9COL001_PRIME	2005-068T08:13:34	000T00:24:00	2005-068T08:37:34		113.25	Boresight to Enceladus, -X North
RPWS_004EN_ENCA001_PRIME	2005-068T08:36:34	000T01:00:00	2005-068T09:36:34	100000	360	Prefer RPWS Langmuir Probe within 90 degrees of plasma ram
INMS_004EN_ICYSATIB001_RSS	2005-068T08:36:34	000T00:15:00	2005-068T08:51:34	1498	1.3482	ride along with RSS
MIMI_004EN_ENCOUNTER001_RSS	2005-068T08:36:34	000T01:00:00	2005-068T09:36:34	1800	6.5	INCA boresight out of dust ram. B field in X,Z plane, -X to corotation
ISS_004EN_MORPH002_PRIME	2005-068T08:37:34	000T00:08:00	2005-068T08:45:34		37.75	Boresight to Enceladus, -X North
CAPS_004EN_ENCOUNTER001_RIDER	2005-068T08:39:00	000T01:00:00	2005-068T09:39:00	16000	57.6	Rider: If possible Corotation in CAPS FOV
ISS_004EN_REGEO003_PRIME	2005-068T08:45:34	000T00:11:00	2005-068T08:56:34		54.53	Boresight to Enceladus, -X North
INMS_004EN_ICYSATCL001_RSS	2005-068T08:51:34	000T00:30:00	2005-068T09:21:34	1498	2.6964	-x to spacecraft ram
CIRS_004EN_ENCELADUS004_RSS	2005-068T08:56:34	000T00:30:00	2005-068T09:26:34	4000	7.2	-z to Earth, -y passing through Enceladus center during flyby
MP_004DR_DUSTHAZRD001_PRIME	2005-068T09:09:00	000T02:01:00	2005-068T11:10:00		No DataVolum	-Z to dust ram
CDA_004EN_0400ENORX003_PRIME	2005-068T09:10:05	000T00:34:33	2005-068T09:44:38	4192	8.287	CDA to Kepler RAM
MAG_004OT_INTFLD001_PRIME	2005-068T09:20:00	000T05:00:00	2005-068T14:20:00	1376	24.768	Spacecraft x-axis (+ or -) within 45 degrees of magnetic field direction.
MAG_004EN_ENTAR002_RIDER	2005-068T09:20:00	000T01:49:12	2005-068T11:09:12	0	0	none
INMS_004EN_ICYSATOB001_RSS	2005-068T09:21:34	000T00:15:00	2005-068T09:36:34	1498	1.3482	ride along with RSS
RPWS_004SA_SEDDF002_PRIME	2005-068T09:36:34	000T01:00:29	2005-068T10:37:03	2300	8	Don't care
CDA_004DR_0400DUST025_RIDER	2005-068T09:45:39	000T01:08:32	2005-068T10:54:11	524	2.054	CDA to Kepler RAM
CAPS_004SA_SURVEY002_RIDER	2005-068T09:53:09	000T17:21:47	2005-069T03:14:56	1000	62.508	Control of 2nd axis when possible
INMS_004SA_SURVEY002_RIDER	2005-068T09:53:09	000T17:21:47	2005-069T03:14:56	50	3.125	No Pointing Information.
MIMI_004DR_INCADUST002_PRIME	2005-068T09:53:09	000T13:02:51	2005-068T22:56:00	1800	84.5	INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram.
RADAR_004OT_WARM4SCAT001_RIDER	2005-068T10:06:34	000T02:00:00	2005-068T12:06:34	0	0	No constraints on primary nor secondary axis.
ENGR_004SC_RADWU010_PPS	2005-068T10:06:34	000T00:00:10	2005-068T10:06:44		No DataVolum	No Pointing Information.
ISS_004EN_CACIRS001_CIRS	2005-068T10:36:34	000T00:45:00	2005-068T11:21:34		50.33	Boresight to target, +Z to North Saturn Pole
UVIS_004EN_ICYMAP009_VIMS	2005-068T10:36:34	000T00:45:00	2005-068T11:21:34	32096	No DataVolum	Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec
VIMS_004EN_ENCELADUS008_CIRS	2005-068T10:36:34	000T00:45:00	2005-068T11:21:34	VIMS_18432	11	CIRS Ride Along
CIRS_004EN_FP1FAZ0P5350_PRIME	2005-068T10:36:34	000T00:45:00	2005-068T11:21:34	4000	10.8	-Y to Enceladus.
RPWS_004SA_WHISTLER001_PRIME	2005-068T10:39:41	000T00:15:00	2005-068T10:54:41	182784	165	Don't care
RPWS_004SA_SEDDF003_PRIME	2005-068T10:54:41	000T00:37:20	2005-068T11:32:01	2300	5	Don't care
CDA_004RE_0300ERNGX002_PRIME	2005-068T10:55:12	000T01:49:26	2005-068T12:44:38	4192	26.249	CDA to Kepler RAM
UVIS_004TE_ICYLON007_VIMS	2005-068T11:21:34	000T00:45:00	2005-068T12:06:34	5032	No DataVolum	Ride-along with CIRS_004TE_FP1FAZOP5349
VIMS_004TE_TETHYS004_PRIME	2005-068T11:21:34	000T00:45:00	2005-068T12:06:34	VIMS_18432	6.75	vims boresight to tethys bright half
CIRS_004TE_FP1FAZ0P5351_VIMS	2005-068T11:21:34	000T00:45:00	2005-068T12:06:34	4000	10.8	-Y to Tethys.
ISS_004TE_NCOLR02001_VIMS	2005-068T11:21:34	000T00:45:00	2005-068T12:06:34		50.33	Boresight to target
RPWS_004SA_HRSED001_PRIME	2005-068T11:32:01	000T00:05:00	2005-068T11:37:01	182784	54	Don't care
RPWS_004SA_SEDDF004_PRIME	2005-068T11:37:01	000T01:02:40	2005-068T12:39:41	2300	9	Don't care
RADAR_004EN_SCATTRAD001_PRIME	2005-068T12:06:34	000T01:59:55	2005-068T14:06:29	55594	400	RADAR must control primary and secondary axes to obtain correct polarization.
ENGR_004SC_RADRWA011_PPS	2005-068T12:06:34	000T00:00:42	2005-068T12:07:16		No DataVolum	No Pointing Information.

CDA_004DR_0400DUST026_RIDER	2005-068T12:45:39	000T01:08:32	2005-068T13:54:11	524	2.054	CDA to Kepler RAM
RPWS_004SA_SEDDF005_PRIME	2005-068T12:54:41	000T05:45:00	2005-068T18:39:41	2300	48	Don't care
CDA_004EN_0400ENORX004_PRIME	2005-068T13:55:12	000T00:34:33	2005-068T14:29:45	4192	8.287	CDA to Kepler RAM
ENGR_004SC_DFPW012_PPS	2005-068T14:24:27	000T00:05:33	2005-068T14:30:00		No DataVolum	No Pointing Information.
CDA_004DR_0400DUST027_RIDER	2005-068T14:30:45	000T00:52:43	2005-068T15:23:28	524	1.58	CDA to Kepler RAM
CDA_004RE_0400ERNGX004_PRIME	2005-068T15:24:29	000T00:30:14	2005-068T15:54:43	4192	7.252	CDA to Kepler RAM
CDA_004DR_0500DUST028_RIDER	2005-068T15:55:42	000T00:28:16	2005-068T16:23:58	524	0.847	CDA to Kepler RAM
CDA_004TE_0500TEORX004_PRIME	2005-068T16:24:58	000T00:20:08	2005-068T16:45:06	4192	4.829	CDA to Kepler RAM
CDA_004DR_0500DUST029_RIDER	2005-068T16:46:07	000T00:49:57	2005-068T17:36:04	524	1.497	CDA to Kepler RAM
CDA_004RE_0500ERNGX004_PRIME	2005-068T17:37:05	000T00:29:59	2005-068T18:07:04	4192	7.192	CDA to Kepler RAM
CIRS_004TE_TETHYS003_ISS	2005-068T18:06:34	000T05:01:00	2005-068T23:07:34	4000	36.12	-Y to Tethys
ISS_004EN_OBSERV002_PRIME	2005-068T18:06:34	000T00:50:00	2005-068T18:56:34		88.08	Boresight to target, +Z to North Saturn Pole
CDA_004DR_0600DUST030_RIDER	2005-068T18:08:05	000T01:00:52	2005-068T19:08:57	524	1.824	CDA to Kepler RAM
VIMS_004EN_ENCELADUS020_ISS	2005-068T18:10:00	000T02:50:00	2005-068T21:00:00	VIMS_18432	49	vims boresight to enceladus
UVIS_004EN_ICYLON004_ISS	2005-068T18:10:12	000T02:50:00	2005-068T21:00:12	5032	No DataVolum	Ride along with ISS_EN004_OBSERV002
RPWS_004SA_INSURVEY002_PRIME	2005-068T18:39:41	000T08:35:15	2005-069T03:14:56	1310	41	don't care
ISS_004EN_OBSERV003_PRIME	2005-068T18:56:34	000T00:50:00	2005-068T19:46:34		88.08	Boresight to target, +Z to North Saturn Pole
CDA_004DI_0600DIORX005_PRIME	2005-068T19:09:57	000T00:29:59	2005-068T19:39:56	4192	7.192	CDA to Kepler RAM
CDA_004DR_0600DUST031_RIDER	2005-068T19:40:57	000T00:35:41	2005-068T20:16:38	524	1.069	CDA to Kepler RAM
ISS_004EN_OBSERV004_PRIME	2005-068T19:46:34	000T01:10:00	2005-068T20:56:34		88.08	Boresight to target, +Z to North Saturn Pole
CDA_004RE_0700ERNGX004_PRIME	2005-068T20:17:39	000T00:29:59	2005-068T20:47:38	4192	7.192	CDA to Kepler RAM
CDA_004DR_0700DUST032_RIDER	2005-068T20:48:38	000T01:18:14	2005-068T22:06:52	524	2.345	CDA to Kepler RAM
ISS_004TE_OBSERV002_PRIME	2005-068T20:56:34	000T01:20:00	2005-068T22:16:34		100.66	Boresight to target, +Z to North Saturn Pole
UVIS_004TE_ICYLON008_ISS	2005-068T21:00:00	000T02:11:00	2005-068T23:11:00	5032	No DataVolum	Ride-along with ISS_004TE_OBSERV002 and ISS_004TE_OBSERV003
VIMS_004TE_TETHYS012_ISS	2005-068T21:00:00	000T02:11:00	2005-068T23:11:00	VIMS_18432	44	vims boresight to tethys bright half
CDA_004RE_0800ERNGX004_PRIME	2005-068T22:07:53	000T00:50:00	2005-068T22:57:53	4192	11.993	CDA to Kepler RAM
ISS_004TE_OBSERV003_PRIME	2005-068T22:16:34	000T00:51:00	2005-068T23:07:34		100.66	Boresight to target, +Z to North Saturn Pole
MIMI_004CO_SURVEY002_MAPS	2005-068T22:56:00	000T08:30:00	2005-069T07:26:00	900	14	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
CDA_004DR_0800DUST025_RIDER	2005-068T22:58:52	000T01:05:21	2005-069T00:04:13	524	1.959	CDA to Kepler RAM
CDA_004RH_0900RHORX004_RIDER	2005-069T00:05:15	000T00:50:00	2005-069T00:55:15	4192	11.993	CDA to Kepler RAM
CDA_004DR_0900DUST026_RIDER	2005-069T00:56:14	000T00:43:02	2005-069T01:39:16	524	1.29	CDA to Kepler RAM
CDA_004RI_0900RINGM004_RIDER	2005-069T01:40:17	000T00:50:00	2005-069T02:30:17	524	1.499	CDA to Kepler RAM
ENGR_004EA_MECVROPN001_THERM	2005-069T02:00:00	000T00:06:00	2005-069T02:06:00		No DataVolum	No Pointing Information.
CDA_004DR_1000DUST027_RIDER	2005-069T02:31:16	000T01:20:28	2005-069T03:51:44	524	2.412	CDA to Kepler RAM
INMS_004CO_DISTTORUS001_CAPS	2005-069T03:14:56	000T04:11:04	2005-069T07:26:00	100	16.2	ride along with CAPS
RPWS_004CO_DISTTORUS001_CAPS	2005-069T03:14:56	000T03:44:04	2005-069T06:59:00	3500	47	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver
CAPS_004CO_PREDSTTRS001_PRIME	2005-069T03:14:56	000T04:11:04	2005-069T07:26:00	8000	120.512	Corotation within 75 deg of -Y (95 deg if towards -X)
CDA_004RI_1000RINGM004_RIDER	2005-069T03:52:46	000T00:50:00	2005-069T04:42:46	524	1.499	CDA to Kepler RAM
CDA_004DR_1100DUST028_RIDER	2005-069T04:43:45	000T03:13:05	2005-069T07:56:50	524	5.789	CDA to Kepler RAM
MAG_004CO_DISTTORUS001_MAPS	2005-069T06:59:00	000T00:27:00	2005-069T07:26:00	1376	2.229	None for MAG
RPWS_004CO_DISTTORUS002_CAPS	2005-069T06:59:00	000T00:27:00	2005-069T07:26:00	3500	6	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver
CAPS_004CO_DISTTORUS001_PRIME	2005-069T07:26:00	001T16:49:00	2005-071T00:15:00	2976	437.293	Corotation within 75 deg of -Y (95 deg if towards -X)
ISS_004TE_238W136PH001_PRIME	2005-069T07:26:00	000T00:34:00	2005-069T08:00:00		40	-Y to Tethys (-Z Earth)
MAG_004OT_SURVEY002_PRIME	2005-069T07:26:00	017T21:43:00	2005-087T05:09:00	600	928.19	None
RPWS_004CO_DISTTORUS003_CAPS	2005-069T07:26:00	001T16:49:00	2005-071T00:15:00	3500	514	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver
INMS_004CO_DISTTORUS002_CAPS	2005-069T07:26:00	001T16:48:56	2005-071T00:14:56	100	16.2	ride along with CAPS
MAG_004CO_DISTTORUS002_MAPS	2005-069T07:26:00	001T16:49:00	2005-071T00:15:00	400	58.776	None for MAG
MIMI_004CO_DISTTORUS001_RIDER	2005-069T07:26:00	001T16:48:56	2005-071T00:14:56	1100	291.6	As close as poss, corot flow in -X, +/- Z plane and B in X, Z plane.

SOST Rev 04 Attitude Strategy

[1] 004_Enceladus_Tar=2005 068 09:06:34
NSP=Saturn North Pole

						Observation Attitude		
Request	Riders	Start (SCET)	Start (Epoch)	Dur	End (SCET)	Primary	Secondary	Comments
turn to waypoint		067T07:35:00		00:20:30	067T07:55:30			
NEW WAYPOINT		**2005-067T09:30**		**14:30**	**2005-068T00:00**	**NAC to ENCELADUS**	**+X to 270/+66.561**	
VIMS_004SA_CYLMAP001_PRIME	C	2005-067T09:30		11:30	2005-067T21:00	NAC to Saturn	+X to NSP	
turn to Earth		2005-067T21:00		00:20	2005-067T21:20		+X to Tethys NP	
Downlink		2005-067T21:20		02:20	2005-067T23:40	XBAND to Earth	rolling	
turn to waypoint		2005-067T23:40		00:20	2005-068T00:00			
NEW WAYPOINT		**2005-068T00:00**		**001T07:26**	**2005-069T07:26**	**NAC to ENCELADUS**	**-X to 270/+66.561**	
VIMS_004TE_TETHYS001_PRIME	U, C	2005-068T00:00:00	EN-09:06:34	01:46:34	2005-068T01:46:34	NAC to Tethys	-X to 270/+66.561	
CIRS_004EN_FP1FAZ0P5003_PRIME	V, U	2005-068T01:46:34	EN-07:20	01:04	2005-068T02:50:34	NAC to Enceladus	-X to 270/+66.561	
ISS_004EN_N3CPOL002_PRIME	C, U, V	2005-068T02:50:34	EN-06:16	00:15	2005-068T03:05:34	NAC to Enceladus	-X to 270/+66.561	
CIRS_004EN_TBD2003_PRIME	U, V	2005-068T03:05:34	EN-06:01	01:00	2005-068T04:05:34	NAC to Enceladus	-X to 270/+66.561	
ISS_004EN_N4COLR003_PRIME	U, C, V	2005-068T04:05:34	EN-05:01	00:30	2005-068T04:35:34	NAC to Enceladus	-X to 270/+66.561	
CIRS_004EN_TBD3003_PRIME	U, V	2005-068T04:35:34	EN-04:31	00:50	2005-068T05:25:34	NAC to Enceladus	-X to 270/+66.561	
ISS_004EN_N4COLR004_PRIME	U, C, V	2005-068T05:25:34	EN-03:41	00:25	2005-068T05:50:34	NAC to Enceladus	-X to 270/+66.561	
CIRS_004EN_TBD4003_PRIME	U, V	2005-068T05:50:34	EN-03:16	00:55	2005-068T06:45:34	NAC to Enceladus	-X to 270/+66.561	
ISS_004EN_NGNPOL001_PRIME	U, C, V	2005-068T06:45:34	EN-02:21	00:40	2005-068T07:25:34	NAC to Enceladus	-X to 270/+66.561	
CIRS_004EN_TBD5003_PRIME	U, V	2005-068T07:25:34	EN-01:41	00:20	2005-068T07:45:34	NAC to Enceladus	-X to 270/+66.561	
ISS_004EN_REGEO002_PRIME	U, C, V	2005-068T07:45:34	EN-01:21	01:11	2005-068T08:56:34	NAC to Enceladus	-X to 270/+66.561	
SP turn to safe S/C attitude		2005-068T08:56:34	EN-00:10:00	00:23	2005-068T09:19:34			
E-ring crossing		2005-068T09:19:34	EN+00:13:00	00:57	2005-068T10:16:34	-Z to 163/+4 + offset	-X to 47/-85	+X offset of 28 deg
SP turn from safe S/C attitude		2005-068T10:16:34	EN+01:10	00:20	2005-068T10:36:34			
CIRS_004EN_FP1FAZ0P5350_PRIME	I, U, C	2005-068T10:36:34	EN+01:30	00:45	2005-068T11:21:34	NAC to Enceladus	-X to 247.5/-63.3	
VIMS_004TE_TETHYS004_PRIME	U, C	2005-068T11:21:34	EN+02:15	00:45	2005-068T12:06:34	NAC to Tethys	-X to 247.5/-63.3	
RADAR_004EN_SCATTRAD001_PRIME		2005-068T12:06:34	EN+03:00	02:00	2005-068T14:06:34	-Z to Enceladus	-X to 247.5/-63.3	pick up at NAC to Tethys
turn to Earth		2005-068T14:06:34		00:23:26	2005-068T14:30			
Downlink		2005-068T14:30		03:20	2005-068T17:50	XBAND to Earth	rolling	
turn to waypoint		2005-068T17:50		00:20	2005-068T18:10			
ISS_004EN_OBSERV002_PRIME	C, U	2005-068T18:10		02:50	2005-068T21:00	NAC to Enceladus	-X to 104/-75	
ISS_004TE_OBSERV002_PRIME	C	2005-068T21:00		02:11	2005-068T23:11	NAC to Tethys	-X to 270/+66.561	
turn to Earth		2005-068T23:11		00:15	2005-068T23:26			
Downlink		2005-068T23:26		08:00	2005-069T07:26	XBAND to Earth	rolling (end at -Y to Saturn)	

SOST Rev 04 OpMode and Telemetry Mode Strategy

[5/9/02]

Start Time	Dur	End Time	OpMode	OpMode Transition Time (from prev.)	Telemetry Mode	Comments
2005-067T07:35	13:45		ORS_RWA		S_N_ER_3	ORS
2005-067T21:20	02:20		DFPW	00:00:06	RTE_N_SPB_X	downlink
2005-067T23:40	09:17:34	EN-00:10 (08:56:34)	ORS_RWA	00:00:05	S_N_ER_3	ORS
EN-00:10 (08:56:34)	00:42:38	EN+00:32:38 (09:39:12)	ORS_RWA		S_N_ER_2	RPWS, s/c turn to safe s/c attitude
EN+00:32:38 (09:39:12)	00:27:22	EN+01:00 (10:06:34)	ORS_RWA		S_N_ER_3	safe s/c attitude
EN+01:00 (10:06:34)	00:33:07	EN+01:35:07 (10:39:41)	RADAR_WU	00:00:10	S_N_ER_3	RADAR Warmup, ORS
EN+01:35:07 (10:39:41)	00:15:00	EN+01:50:07 (10:54:41)	RADAR_WU		S_N_ER_2	RPWS, RADAR Warmup, ORS
EN+01:50:07 (10:54:41)	01:11:53	EN+03:00 (12:06:34)	RADAR_WU		S_N_ER_3	RADAR Warmup, ORS
EN+03:00 (12:06:34)	02:23:26	14:30:00	RADAR_RWA	00:00:42	S_N_ER_8	RADAR
2005-068T14:30	03:20		DFPW	00:05:32	RTE_N_SPB_X	downlink
2005-068T17:50	05:36		ORS_RWA	00:00:05	S_N_ER_3	ORS
2005-068T23:26	08:00		DFPW	0:00:06	RTE_N_SPB_X	downlink

Note: none of the opmode or telemetry mode changes need to be in epoch-relative time, except the two noted in red, which are going to RADAR_WU and to RADAR_RWA (and S&ER8).

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SOST Rev 04 Data Volume 5/10/02

AP_VOLUME v2.6.1 DATA VOLUME REPORT FOR rev04_EN/CIMS_rev04_020510_pb.apf
USING DICTIONARY FILE dict_vims.txt AND AAF FILE rev04_EN/CIMS_rev04_020510_pb.apf

Playback	Start doy hh:mm	End doy hh:mm	Volume (Mb)	5% (Mb)	ENG+HK (Mb)	SCIENCE (Mb)	TOTAL (Mb)	MARGIN (Mb)
PLAYBACK*	066 22:20	067 07:34	24617	1231	0	1842	1842	21544
PLAYBACK*	067 21:05	067 23:40	1073	54	61	951	1012	8
PLAYBACK***	068 14:15	068 17:50	1519	76	70	2831	2901	-1458
PLAYBACK*	068 23:11	069 07:26	4035	202	66	1100	1166	2668
Leftover:					0	2156	2156	-2156

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	066 22:20	747.1	0.0	0.0	37.3	0.0	461.7	74.8	0.0	385.5	0.0	0.0	0.0	0.0	0.0	1706.5
PLAYBACK*	066 22:20	067 07:34	33.3	4.5	0.0	1.7	0.0	20.0	30.0	0.0	43.6	2.5	0.0	0.0	0.0	0.0	135.5
OBSERVATION	067 07:34	067 21:05	48.6	25.3	165.6	2.4	0.0	29.2	43.7	0.0	63.7	20.8	500.0	0.0	34.9	11.5	945.7
PLAYBACK*	067 21:05	067 23:40	9.3	15.8	0.0	0.5	0.0	5.6	8.4	0.0	12.2	0.0	0.0	0.0	14.3	0.2	66.2
OBSERVATION	067 23:40	068 14:15	106.5	151.1	157.6	7.8	625.0	75.7	91.2	400.0	669.2	247.1	201.6	0.0	37.7	12.4	2782.8
PLAYBACK***	068 14:15	068 17:50	12.9	23.7	0.0	0.6	0.0	8.2	23.2	0.0	29.7	0.0	0.0	0.0	20.1	0.2	118.7
OBSERVATION	068 17:50	068 23:11	19.3	37.8	36.1	1.0	465.6	11.6	33.9	0.0	28.2	90.9	93.0	0.0	13.8	4.5	835.6
PLAYBACK*	068 23:11	069 07:26	135.1	26.4	0.0	2.2	0.0	20.0	26.7	0.0	71.9	0.0	0.0	0.0	47.4	0.2	330.0
Leftover:	069 07:26	undef max	437.3	1.0	0.0	14.7	40.0	987.0	161.6	0.0	514.3	0.0	0.0	0.0	0.0	0.0	2155.8

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)	VIMS (Pkts)	TOTAL (Pkts)
OBSERVATION	undef min	066 22:20	93400	0	0	4700	0	58500	9400	0	50700	0	0	0	216700
PLAYBACK*	066 22:20	067 07:34	4200	1100	0	300	0	2600	3800	0	5800	300	0	0	18100
OBSERVATION	067 07:34	067 21:05	6100	6100	20700	400	0	3700	5500	0	8400	2400	85000	0	138300
PLAYBACK*	067 21:05	067 23:40	1200	3800	0	100	0	800	1100	0	1600	0	0	0	8600
OBSERVATION	067 23:40	068 14:15	13400	36100	19700	1000	82100	9600	11400	52700	87900	28400	34300	0	376600
PLAYBACK***	068 14:15	068 17:50	1700	5700	0	100	0	1100	3000	0	3900	0	0	0	15500
OBSERVATION	068 17:50	068 23:11	2500	9100	4600	200	61200	1500	4300	0	3700	10500	15800	0	113400
PLAYBACK*	068 23:11	069 07:26	16900	6300	0	300	0	2600	3400	0	9500	0	0	0	39000
Leftover:	069 07:26	undef max	54700	300	0	1900	5300	124900	20300	0	67600	0	0	0	275000

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

SOST Rev 04 DSN Requests [5/6/02]

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
Madrid	70 m	2005-67T20:10	2005-68T00:50	00T04:40	00T02:20	2005-67T21:20	2005-67T23:40	00T02:20	142,165	68.18	downlink
Madrid	70m	2005-68T13:20	2005-68T19:00	00T05:40	00T03:20	2005-68T14:30	2005-68T17:50	00T03:20	110, 124, 142, 165	68.18	downlink
Goldstone	70m	2005-69T00:15	2005-69T08:35	00T08:20	00T06:00	2005-68T23:26	2005-69T07:26	00T08:00	142, 165	68.18	downlink

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Open Issues