SOST

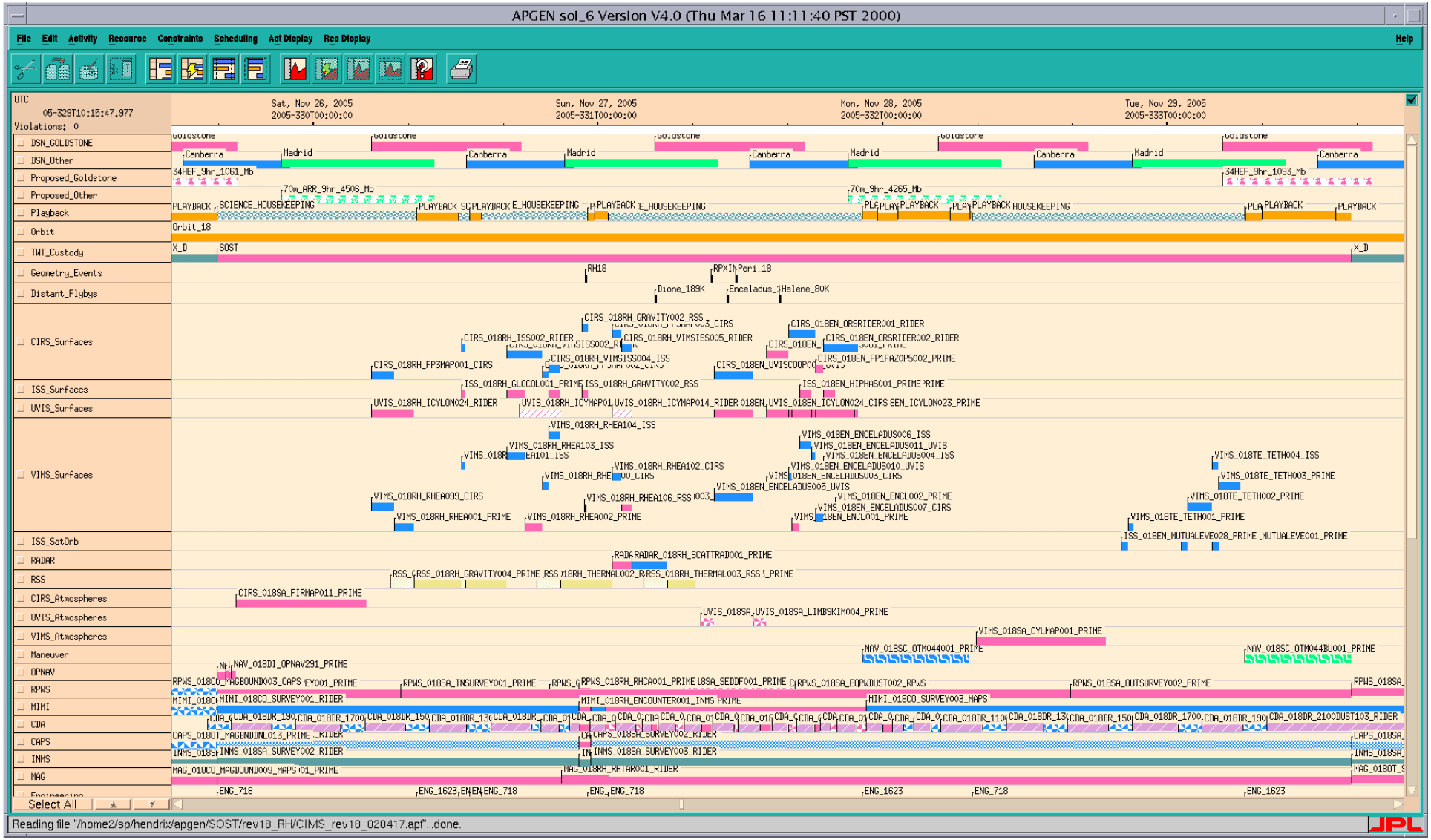
Rev 18

2005-329T15:48 - 2005-333T15:33

Amanda Hendrix, Bonnie Buratti

4/17/02

Rev 18 timeline



Request	Start Time	Duration	EndTime	Rate	DataVolume	Pointing
MAG_017OT_SURVEY002_RIDER	2005-304T17:14:00	024T22:34:00	2005-329T15:48:00	600	618.984	None
RPWS_018CO_MAGBOUND003_CAPS	2005-326T16:03:00	002T23:45:00	2005-329T15:48:00	9000	2325	Don't care
MAG_018CO_MAGBOUND009_MAPS	2005-326T16:03:00	002T23:45:00	2005-329T15:48:00	1376	355.42	None_for_MAG
MIMI_018CO_MAGBOUND009_RIDER	2005-326T16:03:00	002T23:45:00	2005-329T15:48:00	1800	464.9	Pointing: -X to corot, Saturn B in X, Z plane; or spin Z.
INMS_018SA_SURVEY001_RIDER	2005-328T23:45:00	000T16:03:00	2005-329T15:48:00	50	2.889	No Pointing Information.
UVIS_018SW_IPHSURVEY013_RIDER	2005-329T06:48:00	000T09:00:00	2005-329T15:48:00	76	No DataVolum	any
CAPS_018OT_MAGBNDDNL013_PRIME	2005-329T06:48:00	000T09:00:00	2005-329T15:48:00	4750	153.9	Alternate between Sun and Corotation within 75 deg of -Y (95 deg if t
CDA_018TI_2000TIORX014_RIDER	2005-329T14:59:46	000T01:59:59	2005-329T16:59:45	200	1.373	CDA to Kepler RAM
RPWS_018SA_OUTSURVEY001_PRIME	2005-329T15:48:00	000T15:32:00	2005-330T07:20:00	1310	73	don't care
NAV_018MI_OPNAV291_PRIME	2005-329T15:48:00	000T00:45:00	2005-329T16:33:00		6	-Y: RA 093.049, DEC -3.791
MAG_018OT_SURVEY001_PRIME	2005-329T15:48:00	003T23:45:00	2005-333T15:33:00	600	206.82	None
MIMI_018CO_SURVEY001_RIDER	2005-329T15:48:00	001T06:33:10	2005-330T22:21:10	900	99	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
INMS_018SA_SURVEY002_RIDER	2005-329T15:48:00	001T06:33:10	2005-330T22:21:10	50	5.502	Ride along.
CAPS_018SA_SURVEY001_RIDER	2005-329T15:48:00	001T06:33:10	2005-330T22:21:10	834	No DataVolum	Control of 2nd axis when possible
NAV_018RH_OPNAV291_PRIME	2005-329T16:33:00	000T00:15:00	2005-329T16:48:00		6	-Y: RA 115.033, DEC -1.256
NAV_018TE_OPNAV291_PRIME	2005-329T16:48:00	000T00:15:00	2005-329T17:03:00		6	-Y: RA 103.688, DEC -2.785
CDA_018DR_1900DUST101_RIDER	2005-329T17:00:45	000T03:23:27	2005-329T20:24:12	150	1.746	CDA to Kepler RAM
NAV_018DI_OPNAV291_PRIME	2005-329T17:02:00	000T00:22:00	2005-329T17:24:00		6	-Y: RA 095.381, DEC -3.470
CIRS_018SA_FIRMAP011_PRIME	2005-329T17:25:00	000T11:00:00	2005-330T04:25:00	4000	316.8	-y to Saturn, +x to pole
CDA_018RI_1800RINGM013_RIDER	2005-329T20:25:13	000T01:59:59	2005-329T22:25:12	524	3.597	CDA to Kepler RAM
CDA_018DR_1700DUST100_RIDER	2005-329T22:26:13	000T03:47:53	2005-330T02:14:06	524	6.832	CDA to Kepler RAM
CDA_018RI_1600RINGM015_RIDER	2005-330T02:15:07	000T01:59:59	2005-330T04:15:06	524	3.597	CDA to Kepler RAM
CDA_018DR_1500DUST101_RIDER	2005-330T04:16:06	000T03:25:37	2005-330T07:41:43	524	6.165	CDA to Kepler RAM
UVIS_018RH_ICYLON024_RIDER	2005-330T04:50:10	000T03:35:00	2005-330T08:25:10	5032	No DataVolum	Rider
CIRS_018RH_FP3MAP001_CIRS	2005-330T04:50:10	000T01:55:00	2005-330T06:45:10	4000	27.6	-Y to Rhea
VIMS_018RH_RHEA099_CIRS	2005-330T04:50:10	000T01:55:00	2005-330T06:45:10	VIMS_18432	15.2064	VIMS boresight to Rhea
RSS_018RH_THERMAL004_RSS	2005-330T06:25:10	000T02:00:00	2005-330T08:25:10	0	0	No pointing requirement
VIMS_018RH_RHEA001_PRIME	2005-330T06:45:10	000T01:40:00	2005-330T08:25:10	VIMS_18432	54.743	VIMS boresight to Rhea
RPWS_018SA_INSURVEY001_PRIME	2005-330T07:20:00	002T08:30:00	2005-332T15:50:00	1310	266	don't care
CDA_018RI_1400RINGM013_RIDER	2005-330T07:42:44	000T01:59:59	2005-330T09:42:43	524	3.597	CDA to Kepler RAM
RSS_018RH_GRAVITY004_PRIME	2005-330T08:25:10	000T04:00:00	2005-330T12:25:10	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_018DR_1300DUST102_RIDER	2005-330T09:43:43	000T03:07:33	2005-330T12:51:16	524	5.623	CDA to Kepler RAM
RSS_018RH_THERMAL001_RSS	2005-330T10:47:10	000T02:00:00	2005-330T12:47:10	0	0	No pointing requirement
ISS_018RH_GLOCOL001_PRIME	2005-330T12:25:10	000T00:22:00	2005-330T12:47:10		100	-Y to Rhea; secondary +X to Rhea NP
CIRS_018RH_ISS002_RIDER	2005-330T12:25:10	000T00:22:00	2005-330T12:47:10	4000	5.28	-Y to Rhea
VIMS_018RH_RHEA101_ISS	2005-330T12:25:10	000T00:22:00	2005-330T12:47:10	VIMS_18432	14.5981	VIMS boresight to Rhea
RSS_018RH_GRAVITY001_PRIME	2005-330T12:47:10	000T03:30:00	2005-330T16:17:10	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_018RI_1200RINGM013_RIDER	2005-330T12:52:17	000T01:59:59	2005-330T14:52:16	524	3.597	CDA to Kepler RAM
CDA_018DR_1100DUST103_RIDER	2005-330T14:53:16	000T03:23:12	2005-330T18:16:28	524	6.092	CDA to Kepler RAM
CIRS_018RH_VIMSISS002_RIDER	2005-330T16:17:10	000T03:00:00	2005-330T19:17:10	4000	43.2	-Y to Rhea
ISS_018RH_REGCOL001_PRIME	2005-330T16:17:10	000T01:30:00	2005-330T17:47:10		308	Boresight to Rhea (2x2 multi-filter mosaic); secondary axes TBD
VIMS_018RH_RHEA103_ISS	2005-330T16:17:10	000T01:30:00	2005-330T17:47:10	VIMS_18432	36.4954	VIMS boresight to Rhea
UVIS_018RH_ICYMAP013_RIDER	2005-330T17:21:10	000T03:30:00	2005-330T20:51:10	32096	No DataVolum	Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec
VIMS_018RH_RHEA002_PRIME	2005-330T17:47:10	000T01:30:00	2005-330T19:17:10	VIMS_18432	34.603	VIMS boresight to Rhea
CDA_018RI_1000RINGM013_RIDER	2005-330T18:17:30	000T00:49:59	2005-330T19:07:29	524	1.498	CDA to Kepler RAM
RSS_018RH_THERMAL002_RSS	2005-330T18:47:10	000T02:00:00	2005-330T20:47:10	0	0	No pointing requirement
CDA_018DR_1000DUST104_RIDER	2005-330T19:08:29	000T01:30:33	2005-330T20:39:02	524	2.715	CDA to Kepler RAM
CIRS_018RH_FP3MAP002_CIRS	2005-330T19:17:10	000T00:30:00	2005-330T19:47:10	4000	7.2	-Y to Rhea
VIMS_018RH_RHEA100_CIRS	2005-330T19:17:10	000T00:30:00	2005-330T19:47:10	VIMS_18432	12.1651	VIMS boresight to Rhea
VIMS_018RH_RHEA104_ISS	2005-330T19:47:10	000T01:00:00	2005-330T20:47:10	VIMS_18432	30.4128	VIMS boresight to Rhea
CIRS_018RH_VIMSISS004_ISS	2005-330T19:47:10	000T01:00:00	2005-330T20:47:10	4000	14.4	-Y to Rhea
ISS_018RH_REGMAP001_PRIME	2005-330T19:47:10	000T01:00:00	2005-330T20:47:10		220	-Y to Rhea (28-frames mosaic); secondary +X to Rhea NP
RPWS_018SA_EQPWDUST001_RPWS	2005-330T19:50:10	000T10:45:00	2005-331T06:35:10	3500	136	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver

CDA_018RI_0900RINGM013_RIDER	2005-330T20:40:03	000T00:49:59	2005-330T21:30:02	524	1.498	CDA to Kepler RAM
RSS_018RH_GRAVITY002_PRIME	2005-330T20:47:10	000T04:20:00	2005-331T01:07:10	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_018RE_RHE1DUST001_RSS	2005-330T20:47:10	000T04:20:00	2005-331T01:07:10	4192	15	primary: HGA to Earth, secondary (-x): RA 210.3, Dec -35.8 @ Rhea C/A
MAG_018RH_RHTAR001_RIDER	2005-330T20:51:10	000T04:00:00	2005-331T00:51:10	1376	19.82	none
CDA_018DR_0900DUST105_RIDER	2005-330T21:31:03	000T00:52:22	2005-330T22:23:25	524	1.57	CDA to Kepler RAM
CAPS_018RH_ENCOUNTER001_RIDER	2005-330T22:21:10	000T01:00:00	2005-330T23:21:10	16000	57.6	Corotation within 75 deg of -Y (95 deg if towards -X)
INMS_018RH_ICYSAT001_PRIME	2005-330T22:21:10	000T01:00:00	2005-330T23:21:10	1498	5.3928	-x to spacecraft ram
MIMI_018RH_ENCOUNTER001_INMS	2005-330T22:21:10	000T01:00:00	2005-330T23:21:10	1800	6.5	B field in X,Z plane, -X to corotation
RPWS_018RH_RHCA001_PRIME	2005-330T22:21:10	000T01:00:00	2005-330T23:21:10	60928	220	Prefer RPWS Langmuir Probe within 90 degrees of plasma ram
CDA_018RH_0900RHORX013_RIDER	2005-330T22:24:25	000T00:49:59	2005-330T23:14:24	4192	11.989	CDA to Kepler RAM
CIRS_018RH_GRAVITY002_RSS	2005-330T22:36:10	000T00:30:00	2005-330T23:06:10	4000	7.2	-Y to Rhea
ISS_018RH_GRAVITY002_RSS	2005-330T22:36:10	000T00:30:00	2005-330T23:06:10		25	KABAND to Earth
VIMS_018RH_RHEA106_RSS	2005-330T22:50:00	000T00:05:00	2005-330T22:55:00	VIMS_18432	3.75	VIMS boresight to Rhea (RA 226, Dec +5)
CDA_018DR_0800DUST106_RIDER	2005-330T23:15:25	000T01:18:20	2005-331T00:33:45	524	2.348	CDA to Kepler RAM
CAPS_018SA_SURVEY002_RIDER	2005-330T23:21:10	002T16:11:50	2005-333T15:33:00	834	No DataVolum	Control of 2nd axis when possible
INMS_018SA_SURVEY003_RIDER	2005-330T23:21:10	002T16:11:50	2005-333T15:33:00	50	11.5465	No Pointing Information.
MIMI_018CO_SURVEY002_MAPS	2005-330T23:21:10	000T01:13:50	2005-331T00:35:00	900	4	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.
CDA_018RE_0800ERNGX013_PRIME	2005-331T00:34:46	000T00:49:59	2005-331T01:24:45	4192	11.989	CDA to Kepler RAM
MIMI_018DR_INCADUST001_PRIME	2005-331T00:35:00	000T22:00:00	2005-331T22:35:00	900	142.6	INCA boresight (in X, Y plane, 9.5 deg toward +X from -Y) >70 deg from ram.
UVIS_018RH_ICYMAP014_RIDER	2005-331T01:07:10	000T01:40:00	2005-331T02:47:10	32096	No DataVolum	Ride-along w/ ORS; continuous slew mosaics prefered at 30 urad/sec
RADAR_018OT_WARMUP4RH001_RIDER	2005-331T01:07:10	000T01:40:00	2005-331T02:47:10	250	1.5	No requirements
CIRS_018RH_FP3MAP003_CIRS	2005-331T01:07:10	000T00:50:00	2005-331T01:57:10	4000	12	-Y to Rhea
VIMS_018RH_RHEA102_CIRS	2005-331T01:07:10	000T00:50:00	2005-331T01:57:10	VIMS_18432	24.3302	VIMS boresight to Rhea
CDA_018DR_0700DUST114_RIDER	2005-331T01:25:46	000T01:43:20	2005-331T03:09:06	524	3.098	CDA to Kepler RAM
VIMS_018RH_RHEA003_PRIME	2005-331T01:57:10	000T00:50:00	2005-331T02:47:10	VIMS_18432	17.3015	VIMS boresight to Rhea
CIRS_018RH_VIMSISS005_RIDER	2005-331T01:57:10	000T00:50:00	2005-331T02:47:10	4000	12	-Y to Rhea
RADAR_018RH_SCATTRAD001_PRIME	2005-331T02:47:10	000T03:00:00	2005-331T05:47:10	5000	54	RADAR must control both primary & secondary axes for polarization orientations.
CDA_018RE_0700ERNGX013_PRIME	2005-331T03:10:06	000T00:30:14	2005-331T03:40:20	4192	7.252	CDA to Kepler RAM
CDA_018DR_0600DUST115_RIDER	2005-331T03:41:20	000T00:45:37	2005-331T04:26:57	524	1.367	CDA to Kepler RAM
RSS_018RH_THERMAL003_RSS	2005-331T03:47:10	000T02:00:00	2005-331T05:47:10	0	0	No pointing requirement
CDA_018DI_0600DIORX014_PRIME	2005-331T04:27:58	000T00:29:59	2005-331T04:57:57	4192	7.192	CDA to Kepler RAM
CDA_018DR_0600DUST116_RIDER	2005-331T04:58:57	000T01:30:16	2005-331T06:29:13	524	2.706	CDA to Kepler RAM
RPWS_018SA_SEDDF001_PRIME	2005-331T05:35:10	000T12:00:00	2005-331T17:35:10	2300	99	Don't care
RSS_018RH_GRAVITY003_PRIME	2005-331T05:47:10	000T02:25:00	2005-331T08:12:10	0	0	Primary axis = KABAND to Earth. Secondary axis is free.
CDA_018RE_0500ERNGX013_PRIME	2005-331T06:30:14	000T00:40:20	2005-331T07:10:34	4192	9.674	CDA to Kepler RAM
CDA_018DR_0500DUST117_RIDER	2005-331T07:11:34	000T01:27:17	2005-331T08:38:51	524	2.617	CDA to Kepler RAM
UVIS_018SA_LIMBSKIM003_PRIME	2005-331T08:37:14	000T01:10:00	2005-331T09:47:14	32096	66	Pri: -Y to (195.611,-5.024); Sec: +Z to (105.402,-2.372)
CDA_018TE_0500TEORX013_PRIME	2005-331T08:39:52	000T00:54:40	2005-331T09:34:32	4192	13.112	CDA to Kepler RAM
RPWS_018SA_SEDMSEC001_PRIME	2005-331T09:05:10	000T05:00:00	2005-331T14:05:10	8000	144	Don't care
CDA_018DR_0500DUST118_RIDER	2005-331T09:35:32	000T01:48:54	2005-331T11:24:26	524	3.265	CDA to Kepler RAM
UVIS_018EN_ICYLON017_PRIME	2005-331T09:47:00	000T03:13:00	2005-331T13:00:00	5032	No DataVolum	Target to center of illuminated disk.
CIRS_018EN_UVISCOOP001_UVIS	2005-331T09:47:00	000T03:13:00	2005-331T13:00:00	4000	46.32	-Y to Enceladus.
VIMS_018EN_ENCELADUS005_UVIS	2005-331T09:47:00	000T03:13:00	2005-331T13:00:00	VIMS_18432	30.4128	VIMS boresight to Enceladus
CDA_018RE_0400ERNGX011_PRIME	2005-331T11:25:28	000T00:20:07	2005-331T11:45:35	4192	4.825	CDA to Kepler RAM
CDA_018DR_0500DUST119_RIDER	2005-331T11:46:35	000T01:51:43	2005-331T13:38:18	524	3.349	CDA to Kepler RAM
UVIS_018SA_LIMBSKIM004_PRIME	2005-331T13:00:14	000T01:10:00	2005-331T14:10:14	32096	66	Pri: NAC to (246.066,16.626); Sec: +Z to (155.180,2.963)
CDA_018TE_0500TEORX014_PRIME	2005-331T13:39:19	000T00:56:09	2005-331T14:35:28	4192	13.468	CDA to Kepler RAM
CIRS_018EN_FP1FAZ0P5061_PRIME	2005-331T14:10:00	000T01:50:00	2005-331T16:00:00	4000	26.4	-Y to Enceladus.
VIMS_018EN_ENCELADUS003_CIRS	2005-331T14:10:00	000T01:50:00	2005-331T16:00:00	VIMS_18432	36.4953	VIMS boresight to Enceladus
UVIS_018EN_ICYLON024_CIRS	2005-331T14:10:00	000T01:50:00	2005-331T16:00:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CDA_018DR_0500DUST120_RIDER	2005-331T14:36:28	000T01:22:59	2005-331T15:59:27	524	2.488	CDA to Kepler RAM
UVIS_018EN_ICYLON020_PRIME	2005-331T16:00:00	000T00:20:00	2005-331T16:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.
CIRS_018EN_ORSRIDER001_RIDER	2005-331T16:00:00	000T02:20:00	2005-331T18:20:00	4000	33.6	-Y to Enceladus.
VIMS_018EN_ENCELADUS010_UVIS	2005-331T16:00:00	000T00:20:00	2005-331T16:20:00	VIMS_18432	3.0413	VIMS boresight to Enceladus

CDA_018RE_0500ERNGX014_PRIME	2005-331T16:00:28	000T00:38:50	2005-331T16:39:18	4192	9.314	CDA to Kepler RAM				
UVIS_018EN_ICYLON019_RIDER	2005-331T16:20:00	000T01:40:00	2005-331T18:00:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.				
VIMS_018EN_ENCL001_PRIME	2005-331T16:20:00	000T00:40:00	2005-331T17:00:00	VIMS_18432	25.9523	VIMS boresight to Enceladus				
RPWS_018SA_EQPWDUST002_RPWS	2005-331T16:35:10	000T10:45:00	2005-332T03:20:10	3500	136	Prefer Langmuir probe in plasma ram within 9 deg -- not a driver				
CDA_018DR_0600DUST121_RIDER	2005-331T16:40:19	000T01:31:04	2005-331T18:11:23	524	2.73	CDA to Kepler RAM				
VIMS_018EN_ENCELADUS006_ISS	2005-331T17:00:00	000T01:00:00	2005-331T18:00:00	VIMS_18432	30.4127	VIMS boresight to Enceladus				
ISS_018EN_HIPHAS001_PRIME	2005-331T17:00:00	000T01:00:00	2005-331T18:00:00		37.75	Boresight to target, +Z to North Saturn Pole				
UVIS_018EN_ICYLON021_PRIME	2005-331T18:00:00	000T00:20:00	2005-331T18:20:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.				
VIMS_018EN_ENCELADUS011_UVIS	2005-331T18:00:00	000T00:20:00	2005-331T18:20:00	VIMS_18432	3.0413	VIMS boresight to Enceladus				
CDA_018DI_0600DIORX015_PRIME	2005-331T18:12:23	000T00:29:59	2005-331T18:42:22	4192	7.192	CDA to Kepler RAM				
UVIS_018EN_ICYLON022_RIDER	2005-331T18:20:00	000T03:15:00	2005-331T21:35:00	5032	No DataVolum	Target to center of illuminated disk.				
VIMS_018EN_ENCELADUS007_CIRS	2005-331T18:20:00	000T00:40:00	2005-331T19:00:00	VIMS_18432	18.2477	VIMS boresight to Enceladus				
CIRS_018EN_FP1FAZ0P5002_PRIME	2005-331T18:20:00	000T00:40:00	2005-331T19:00:00	4000	9.6	-Y to Enceladus.				
CDA_018DR_0600DUST122_RIDER	2005-331T18:43:22	000T00:50:37	2005-331T19:33:59	524	1.517	CDA to Kepler RAM				
ISS_018EN_PLUMES001_PRIME	2005-331T19:00:00	000T01:00:00	2005-331T20:00:00		12.58	Boresight to target, +Z to North Saturn Pole				
CIRS_018EN_ORSRIDER002_RIDER	2005-331T19:00:00	000T02:55:00	2005-331T21:55:00	4000	42	-Y to Enceladus.				
VIMS_018EN_ENCELADUS004_ISS	2005-331T19:00:00	000T01:00:00	2005-331T20:00:00	VIMS_18432	30.4127	VIMS boresight to Enceladus				
CDA_018RE_0700ERNGX014_PRIME	2005-331T19:35:01	000T00:30:14	2005-331T20:05:15	4192	7.252	CDA to Kepler RAM				
VIMS_018EN_ENCL002_PRIME	2005-331T20:00:00	000T01:35:00	2005-331T21:35:00	VIMS_18432	54.743	VIMS boresight to Enceladus				
CDA_018DR_0700DUST123_RIDER	2005-331T20:06:15	000T01:37:37	2005-331T21:43:52	524	2.926	CDA to Kepler RAM				
UVIS_018EN_ICYLON023_PRIME	2005-331T21:35:00	000T00:20:00	2005-331T21:55:00	5032	No DataVolum	Target to center of illuminated disk. Stare for duration of observation.				
CDA_018RE_0800ERNGX014_PRIME	2005-331T21:44:52	000T00:49:59	2005-331T22:34:51	4192	11.989	CDA to Kepler RAM				
NAV_018SC_OTM044001_PRIME	2005-331T22:15:00	000T09:00:00	2005-332T07:15:00	1638 bps	8.5 mb	Start/End Earth point				
MIMI_018CO_SURVEY003_MAPS	2005-331T22:35:00	009T09:00:00	2005-341T07:35:00	900	965.5	If poss, keep corot ram in -X, +/-Z half-plane; B field in X, Z plane.				
CDA_018DR_0800DUST107_RIDER	2005-331T22:35:52	000T01:20:27	2005-331T23:56:19	524	2.412	CDA to Kepler RAM				
CDA_018RH_0900RHORX014_RIDER	2005-331T23:57:19	000T00:49:59	2005-332T00:47:18	4192	11.989	CDA to Kepler RAM				
CDA_018DR_0900DUST108_RIDER	2005-332T00:48:19	000T00:53:07	2005-332T01:41:26	524	1.592	CDA to Kepler RAM				
CDA_018RI_0900RINGM014_RIDER	2005-332T01:42:26	000T00:49:59	2005-332T02:32:25	524	1.498	CDA to Kepler RAM				
CDA_018DR_1000DUST109_RIDER	2005-332T02:33:26	000T01:27:39	2005-332T04:01:05	524	2.628	CDA to Kepler RAM				
CDA_018RI_1000RINGM014_RIDER	2005-332T04:02:06	000T00:49:59	2005-332T04:52:05	524	1.498	CDA to Kepler RAM				
CDA_018DR_1100DUST110_RIDER	2005-332T04:53:06	000T03:28:13	2005-332T08:21:19	524	6.243	CDA to Kepler RAM				
VIMS_018SA_CYLMAP001_PRIME	2005-332T07:50:00	000T11:00:00	2005-332T18:50:00	VIMS_18432	500	primary NAC to nadir, secondary z parallel to polar axis				
CDA_018RI_1200RINGM014_RIDER	2005-332T08:22:19	000T01:59:59	2005-332T10:22:18	524	3.597	CDA to Kepler RAM				
CDA_018DR_1300DUST111_RIDER	2005-332T10:23:19	000T03:08:17	2005-332T13:31:36	524	5.645	CDA to Kepler RAM				
CDA_018RI_1400RINGM014_RIDER	2005-332T13:32:37	000T01:59:59	2005-332T15:32:36	524	3.597	CDA to Kepler RAM				
CDA_018DR_1500DUST112_RIDER	2005-332T15:33:36	000T03:25:37	2005-332T18:59:13	524	6.165	CDA to Kepler RAM				
RPWS_018SA_OUTSURVEY002_PRIME	2005-332T15:50:00	000T23:43:00	2005-333T15:33:00	1310	112	don't care				
CDA_018RI_1600RINGM016_RIDER	2005-332T19:00:14	000T01:59:59	2005-332T21:00:13	524	3.597	CDA to Kepler RAM				
ISS_018EN_MUTUALEVE028_PRIME	2005-332T20:04:51	000T00:35:57	2005-332T20:40:48		20	ISS Boresight to Enceladus control of secondary axis not required				
VIMS_018TE_TETH001_PRIME	2005-332T20:40:00	000T00:30:00	2005-332T21:10:00	VIMS_18432	4.5619	VIMS boresight to Enceladus				
CDA_018DR_1700DUST113_RIDER	2005-332T21:01:13	000T03:50:05	2005-333T00:51:18	524	6.898	CDA to Kepler RAM				
CDA_018RI_1800RINGM014_RIDER	2005-333T00:52:19	000T01:59:59	2005-333T02:52:18	524	3.597	CDA to Kepler RAM				
ISS_018EP_MUTUALEVE012_PRIME	2005-333T01:08:48	000T00:31:19	2005-333T01:40:07		20	ISS Boresight to Epimetheus control of secondary axis not required				
VIMS_018TE_TETH002_PRIME	2005-333T01:40:00	000T02:07:00	2005-333T03:47:00	VIMS_18432	18.2476	VIMS boresight to Enceladus				
CDA_018DR_1900DUST102_RIDER	2005-333T02:53:19	000T03:27:45	2005-333T06:21:04	150	1.783	CDA to Kepler RAM				
VIMS_018TE_TETH004_ISS	2005-333T03:47:00	000T00:33:00	2005-333T04:20:00	VIMS_18432	4.5619	VIMS boresight to Enceladus				
ISS_018TE_MUTUALEVE001_PRIME	2005-333T03:47:24	000T00:33:02	2005-333T04:20:26		20	ISS Boresight to Tethys control of secondary axis not required				
VIMS_018TE_TETH003_PRIME	2005-333T04:20:00	000T01:50:00	2005-333T06:10:00	VIMS_18432	15.2063	VIMS boresight to Enceladus				
CDA_018TI_2000TIORX015_RIDER	2005-333T06:22:05	000T01:59:59	2005-333T08:22:04	200	1.373	CDA to Kepler RAM				
NAV_018SC_OTM044BU001_PRIME	2005-333T06:30:00	000T09:00:00	2005-333T15:30:00	1638 bps	8.5 mb	Start/End Earth point				
CDA_018DR_2100DUST103_RIDER	2005-333T08:23:05	000T12:32:46	2005-333T20:55:51	150	6.461	CDA to Kepler RAM				

Rev 18 SOST Attitude Strategy

NSP=Saturn North Pole
EPOCH_018RH=2005-330T22:51:10

						Observation Attitude		
Request	Riders	Start (SCET)	Start (Epoch)	Dur	End (SCET)	Primary	Secondary	Comments
OPNAV		2005-329T15:48		00:45	2005-329T16:33	-Y to 93.049/-3.791	+X to NEP	
OPNAV		2005-329T16:33		00:15	2005-329T16:48	-Y to 115.033/-1.256	+X to NEP	
OPNAV		2005-329T16:48		00:15	2005-329T17:03	-Y to 103.688/-2.785	+X to NEP	
OPNAV		2005-329T17:03		00:22	2005-329T17:25	-Y to RA 095.381/-3.470	+X to NEP	
NEW WAYPOINT		**2005-32917:25**				**NAC to SATURN**	**+X to NSP**	
CIRS Saturn		2005-329T17:25		11:00	2005-330T04:25	FP3 to Saturn		
DEAD TIME FOR MOVABLE BLOCK		2005-330T04:25		00:05	2005-330T04:30			
turn to new waypoint		2005-330T04:30		00:20	2005-330T04:50			
NEW WAYPOINT		**2005-330T04:50**		**28:42**	**2005-331T09:32**	**NAC to RHEA**	**+X to RHEA NP**	
CIRS Rhea prime	U, V	2005-330T04:50	RH-18:01	01:55	2005-330T06:45			
VIMS		2005-330T06:45	RH-16:06	01:40	2005-330T08:25			
RSS		2005-330T08:25	RH-14:26	04:00	2005-330T12:25	KABAND to Earth	+X to Rhea NP	D/L 3.5 hrs
ISS Rhea prime	U, V, C	2005-330T12:25	RH-10:26	00:22	2005-330T12:47			
RSS		2005-330T12:47	RH-10:04	03:30	2005-330T16:17	KABAND to Earth	+X to Rhea NP	D/L 13:07-14:07 (RH-09:44 -- RH-08:44)
ISS Rhea prime	C,U,V	2005-330T16:17	RH-06:34	01:30	2005-104T17:47			1 min. dwell time
VIMS Rhea prime	C, U	2005-330T17:47	RH-05:04	01:30	2005-330T19:17			
CIRS Rhea prime	U, V	2005-330T19:17	RH-03:34	00:30	2005-330T19:47			
ISS Rhea prime	C, U	2005-330T19:47	RH-03:04	01:00	2005-330T20:47			1 min. dwell time
RSS		2005-330T20:47	RH-02:04	04:20	2005-331T01:07	KABAND to Earth	-Y to 226.0/+5.0	D/L 23:06-00:57 (RH+00:15-- RH+01:56)
CIRS Rhea prime	V, U	2005-331T01:07	RH+02:16	00:50	2005-331T01:57			
VIMS Rhea prime	U, C	2005-331T01:57	RH+03:06	00:50	2005-331T02:47			
RADAR		2005-331T02:47	RH+03:56	03:00	2005-331T05:47	-Z to RHEA	+X to Rhea NP	
RSS		2005-331T05:47	RH+06:56	02:25	2005-331T08:12	KABAND to Earth	+X to Rhea NP	no warm-up; no downlink
DEAD TIME FOR MOVABLE BLOCK		2005-331T08:12		00:05	2005-331T08:17			
turn to new waypoint		2005-331T08:17		00:20	2005-331T08:37			
NEW WAYPOINT		**2005-331T08:37**				**NAC to ENCELADUS**	**+X to ENCELADUS NP**	
UVIS limb skim		2005-331T08:37		01:10	2005-331T09:47	NAC to 195.611/-5.024	Z to 105.402/-2.372	
UVIS Enceladus prime	C	2005-331T09:47		03:13	2005-331T13:00			CIRS wants FP1 of nightside for 15 min in here
UVIS limb skim		2005-331T13:00		01:10	2005-331T14:10	NAC to 246.066/16.626	Z to 155.180/2.963	
CIRS Enceladus	V, I, U	2005-331T14:10		01:50	2005-331T16:00			
UVIS Enceladus Icy Lon	I, C	2005-331T16:00		00:20	2005-331T16:20			
VIMS Enceladus	I, U	2005-331T16:20		00:40	2005-331T17:00			
ISS Enceladus	V	2005-331T17:00		01:00	2005-331T18:00			
UVIS Enceladus Icy Lon	I	2005-331T18:00		00:20	2005-331T18:20			
CIRS Enceladus	I, U, V	2005-331T18:20		00:40	2005-331T19:00			
ISS Enceladus	C, V	2005-331T19:00		01:00	2005-331T20:00			
VIMS Enceladus	I	2005-331T20:00		01:35	2005-331T21:35			
UVIS Enceladus Icy Lon	I	2005-331T21:35		00:20	2005-331T21:55			
turn to Earth		2005-331T21:55		00:20	2005-331T22:15			
Downlink		2005-331T22:15		09:15	2005-332T07:30	XBAND to Earth	no rolling	OTM
turn to new waypoint		2005-332T07:30		00:20	2005-332T07:50			
NEW WAYPOINT		**2005-332T07:50**				**NAC to SATURN**	**+X to NSP**	
VIMS Atmospheres		2005-332T07:50		11:00	2005-332T18:50			
(track waypoint)		2005-332T18:50		01:14	2005-332T20:04			
ISS Enceladus Mutual Event		2005-332T20:04		00:36	2005-332T20:40	NAC to Enceladus		
VIMS Tethys		2005-332T20:40		00:30	2005-332T21:10	NAC to Tethys	+X to Tethys NP	
(track waypoint)		2005-332T21:10		03:58	2005-333T01:08			
ISS Epimetheus Mutual Event		2005-333T01:08		00:32	2005-333T01:40			
VIMS Tethys		2005-333T01:40		02:07	2005-333T03:47	NAC to Tethys	+X to Tethys NP	
ISS Tethys Mutual Event		2005-333T03:47		00:33	2005-333T04:20			
VIMS Tethys		2005-333T04:20		01:50	2005-333T06:10	NAC to Tethys	+X to Tethys NP	
turn to Earth		2005-333T06:10		00:20	2005-333T06:30			
Downlink		2005-333T06:30		09:03	2005-333T15:33	XBAND to Earth	rolling	back up OTM

SOST Rev 18 OpMode and Telemetry Mode Strategy

4/17/02

Start Time	Dur	End Time	OpMode	OpMode Transition Time (from prev.)	Telemetry Mode	Comments
2005-329T15:48	01:37	2005-329T17:25	ORS_RWA		S_N_ER_5	OPNAVs
2005-329T17:25	08:00	2005-330T06:25	ORS_RWA		S_N_ER_3	ORS
RH-16:26	02:00	RH-14:26	unique	TBD	S_N_ER_3	ORS; RSS warm-up
RH-14:26	04:00	RH-10:26	RSS3_RWA	TBD	RTE_N_SPB_X	RSS activity + downlink (03:30) + turns
RH-10:26	00:22	RH-10:04	unique	TBD	S_N_ER_3	ORS; RSS warm-up
RH-10:04	01:20	RH-06:34	RSS3_RWA	TBD	RTE_N_SPB_X	turn + RSS activity; downlink (01:00)
RH-08:44	02:10	RH-06:34	RSS3_RWA		S_N_ER_3	RSS activity + turn; no downlink
RH-06:34	02:30	RH-04:04	ORS_RWA	00:01:02	S_N_ER_3	ORS
RH-04:04	02:00	RH-02:04	unique	TBD	S_N_ER_3	ORS; RSS warm-up
RH-02:04	01:49	RH-00:15	RSS3_RWA	TBD	S_N_ER_3	turn + RSS activity (ranging); no downlink
RH-00:15	00:30	RH+00:15	unique	TBD	S_N_ER_3	RSS activity + ORS at C/A
RH+00:15	02:01	RH+02:16	RSS3_RWA	TBD	RTE_N_SPB_X	RSS activity + downlink (01:41) + turn
RH+02:16	01:40	RH+03:56	RADAR_WU	00:01:10	S_N_ER_3	ORS; RADAR warm-up
RH+03:56	03:00	RH+06:56	RADAR_RWA	00:00:42	S_N_ER_8	RADAR
RH+06:56	02:25	RH+09:21	RSS3_RWA	00:10:30	S_N_ER_3	RSS activity; no downlink
2005-331T08:17	13:58	2005-331T22:15	ORS_RWA	00:01:02	S_N_ER_3	ORS
2005-331T22:15	09:15	2005-332T07:30	DFPW	00:00:06	RTE_N_SPB_X	downlink; OTM
2005-332T07:30	23:00	2005-333T-6:30	ORS_RWA	00:00:05	S_N_ER_3	ORS
2005-333T06:30	09:03	2005-333T15:33	DFPW	00:00:06	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*	329 06:33	329 15:47	24617	1231	0	4598	4598	18789
PLAYBACK	330 08:25	330 12:10	366	18	78	600	679	-331
PLAYBACK	330 12:52	330 14:07	105	5	9	149	159	-59
PLAYBACK*	330 22:51	331 00:47	707	35	41	1688	1729	-1057
PLAYBACK****	331 22:00	332 07:30	4296	215	128	2005	2133	1949
PLAYBACK***	333 06:15	333 15:33	4424	221	132	1072	1204	2999
Leftover:					0	2859	2859	-2859

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	329 06:33	0.0	0.0	0.0	1.2	0.0	1582.5	405.0	0.0	2025.0	0.0	0.0	0.0	0.0	0.0	4013.8
PLAYBACK*	329 06:33	329 15:47	153.9	0.6	0.0	1.7	0.0	65.8	59.9	0.0	299.7	2.5	0.0	0.0	0.0	0.0	584.0
OBSERVATION	329 15:47	330 08:25	49.9	25.2	186.0	3.0	25.2	35.9	53.8	0.0	78.4	16.2	69.9	0.0	43.0	14.1	600.5
PLAYBACK	330 08:25	330 12:10	11.3	7.0	0.0	0.7	0.0	8.1	12.1	0.0	17.7	0.0	0.1	0.0	21.1	0.2	78.3
OBSERVATION	330 12:10	330 12:52	2.1	1.3	5.3	0.1	100.0	1.5	2.3	0.0	3.3	0.0	14.6	0.0	1.8	0.6	132.9
PLAYBACK	330 12:52	330 14:07	3.8	2.3	0.0	0.2	0.0	2.7	4.0	0.0	5.9	0.0	0.0	0.0	6.5	0.2	25.7
OBSERVATION	330 14:07	330 22:51	53.4	53.3	68.4	4.2	542.3	28.8	29.9	0.0	188.3	343.7	114.4	0.0	22.6	7.4	1456.6
PLAYBACK*	330 22:51	331 00:47	33.2	40.6	3.6	3.0	12.6	13.8	7.9	0.0	143.7	0.0	3.0	0.0	10.5	0.2	272.1
OBSERVATION	331 00:47	331 22:00	63.7	128.8	181.9	3.8	50.3	46.2	68.7	55.5	484.7	416.9	274.4	0.0	54.8	18.0	1847.9
PLAYBACK****	331 22:00	332 07:30	28.5	36.4	0.0	1.7	0.0	20.5	30.8	0.0	112.0	0.0	0.0	0.0	54.7	0.2	284.8
OBSERVATION	332 07:30	333 06:15	68.3	38.1	0.0	4.1	60.0	49.1	73.7	0.0	107.3	0.0	542.6	0.0	58.8	19.3	1021.3
PLAYBACK***	333 06:15	333 15:33	27.9	5.4	0.0	1.7	0.0	20.1	30.1	0.0	43.9	0.0	0.0	0.0	53.2	0.2	182.5
Leftover:	333 15:33	undef max	947.8	2.9	0.0	46.3	0.0	397.5	596.3	0.0	867.9	0.0	0.0	0.0	0.0	0.0	2858.7

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	329 06:33	0	0	0	200	0	200300	50700	0	265900	0	0	0	517100
PLAYBACK*	329 06:33	329 15:47	19300	200	0	300	0	8400	7500	0	39400	300	0	0	75400
OBSERVATION	329 15:47	330 08:25	6300	6100	23300	400	3400	4600	6800	0	10300	1900	11900	0	75000
PLAYBACK	330 08:25	330 12:10	1500	1700	0	100	0	1100	1600	0	2400	100	100	0	8600
OBSERVATION	330 12:10	330 12:52	300	400	700	100	13200	200	300	0	500	0	2500	0	18200
PLAYBACK	330 12:52	330 14:07	500	600	0	100	0	400	600	0	800	0	0	0	3000
OBSERVATION	330 14:07	330 22:51	6700	12800	8600	600	71300	3700	3800	0	24800	39500	19500	0	191300
PLAYBACK*	330 22:51	331 00:47	4200	9700	500	400	1700	1800	1000	0	18900	0	600	0	38800
OBSERVATION	331 00:47	331 22:00	8000	30800	22800	500	6700	5900	8600	7400	63700	47900	46700	0	249000
PLAYBACK****	331 22:00	332 07:30	3600	8700	0	300	0	2600	3900	0	14800	0	0	0	33900
OBSERVATION	332 07:30	333 06:15	8600	9100	0	600	7900	6300	9300	0	14100	0	92200	0	148100
PLAYBACK***	333 06:15	333 15:33	3500	1300	0	300	0	2600	3800	0	5800	0	0	0	17300
Leftover:	333 15:33	undef max	118500	700	0	5800	0	50300	74600	0	114000	0	0	0	363900

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

SOST Rev 18 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	2005-330T07:05	2005-330T13:45	00T06:40	00T04:00	2005-330T08:25	2005-330T12:25	00T04:00	29	75.94	RSS ranging; downlink
Goldstone DSS-25	34 BWG	2005-330T11:30	2005-330T17:35	00T06:05	00T03:30	2005-330T12:47	2005-330T16:17	00T03:30	29	75.94	RSS ranging; downlink
Canberra / Madrid	70 m	2005-330T19:30	2005-331T02:25	00T06:55	00T04:20	2005-330T20:47	2005-331T01:07	00T04:20	55, 84, 94, 106, 121	75.94	RSS ranging; downlink
Goldstone DSS-25	34 BWG	2005-331T04:30	2005-331T09:30	00T05:00	00T02:25	2005-331T05:47	2005-331T08:12	00T02:25	22, 27, 29	75.94	RSS ranging
Madrid	70 m	2005-331T23:30	2005-332T08:50	00T09:20	00T06:43	2005-331T22:15	2005-332T07:30	00T09:15	84, 106, 121, 142	75.94	OTM, downlink
Goldstone	70 m	2005-333T07:45	2005-333T16:50	00T09:05	00T06:30	2005-333T06:30	2005-333T15:33	00T09:03	124, 142, 165	75.25	downlink, b/u OTM

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Open Issues

- “New” data volume rule:
  - Cannot accumulate more than 3520 Mb on SSRs
  - Should be OK: at start of 4th PB period (331T22:00), there is 3294 Mb on SSRs