

SOST

Rev 22

2006-079T00:04-2006-081T07:19

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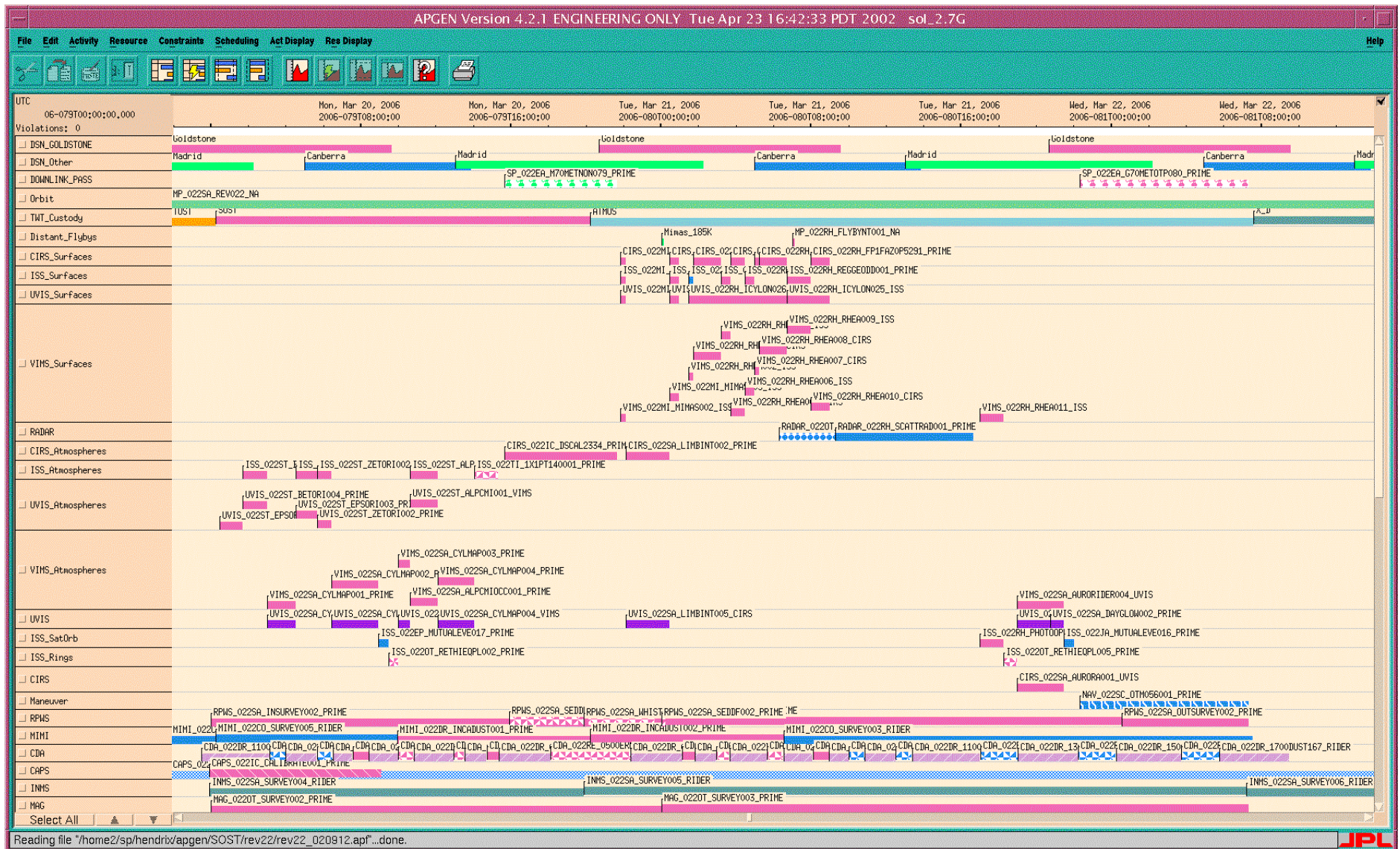
10/03/02

SOST Rev 22 Attitude Strategy

10/3/02

Request	Riders	Start (SCET)	Start (Epoch)	Dur	End (SCET)	Primary	Secondary	Comments
SP_022SA_WAYPTTURN079_PRIME		2006-079T00:04:00		00:27:00	2006-079T00:24:00	ISS_NAC to Saturn	POS_X to NSP	26.1 min turn ending DL at +X to NEP; 25.2 min turn ending DL at +X to SEP
<b>NEW WAYPOINT</b>		<b>2006-079T00:31:00</b>			<b>2006-079T21:51:00</b>	<b>ISS_NAC to SATURN</b>	<b>POS_X to NSP</b>	<b>WP OK</b>
UVIS_022ST_EPSORIO02_PRIME		2006-079T00:31:00		01:14:00	2006-079T01:45:00	ISS_NAC to STAR	POS_X to NSP	
UVIS_022ST_BETORIO04_PRIME	I	2006-079T01:45:00		01:20:00	2006-079T03:05:00	ISS_NAC to STAR	POS_X to NSP	
VIMS_022SA_CYLMAP001_PRIME	U	2006-079T03:05:00		01:30:00	2006-079T04:35:00	ISS_NAC to SATURN	POS_X to NSP	
UVIS_022ST_EPSORIO03_PRIME	I	2006-079T04:35:00		01:10:00	2006-079T05:45:00	ISS_NAC to STAR	POS_X to NSP	
UVIS_022ST_ZETORIO02_PRIME	I	2006-079T05:45:00		00:45:00	2006-079T06:30:00	ISS_NAC to STAR	POS_X to NSP	
VIMS_022SA_CYLMAP001_PRIME	U	2006-079T06:30:00		02:30:00	2006-079T09:00:00	ISS_NAC to SATURN	POS_X to NSP	
ISS_022EP_MUTUALEVE017_PRIME		2006-079T09:00:00		00:32:00	2006-079T09:32:00	NAC to Epimetheus	POS_X to NSP	
ISS_022OT_RETHIEQPL002_PRIME		2006-079T09:32:00		00:30:00	2006-079T10:02:00	retarg	POS_X to NSP	
VIMS_022SA_CYLMAP003_PRIME	U	2006-079T10:02:00		00:38:00	2006-079T10:40:00	ISS_NAC to SATURN	POS_X to NSP	
VIMS_022SA_ALPCMIOCC001_PRIME	I,U	2006-079T10:40:00		01:30:00	2006-079T12:10:00	ISS_NAC to STAR	POS_X to NSP	
VIMS_022SA_CYLMAP004_PRIME	U	2006-079T12:10:00		01:56:00	2006-079T14:06:00	ISS_NAC to SATURN	POS_X to NSP	
ISS_022TI_1X1PT140001_PRIME		2006-079T14:06:00		01:15:00	2006-079T15:21:00	ISS_NAC to TITAN	POS_X to NSP	(24.1 min turn to Titan)
SP_022EA_DLTURNO79_PRIME		2006-079T15:21:00		0:20:00	2006-079T15:41:00	XBAND to Earth	POS_X to NEP	17 min turn to +X to NEP
SP_022EA_M70METN079_PRIME		2006-079T15:41:00		6:00:00	2006-079T21:41:00	XBAND to Earth	rolling	CIRS DSCAL
SP_022MI_WAYPTTURN079_PRIME		2006-079T21:41:00		0:10:00	2006-079T21:51:00	ISS_NAC to Mimas	POS_X to NEP	6 min turn from +X to NEP
<b>NEW WAYPOINT</b>		<b>2006-079T21:51:00</b>			<b>2006-080T01:25:00</b>	<b>ISS_NAC to MIMAS</b>	<b>POS_X to NEP</b>	<b>WP OK (but turn from Earth will cause CIRS FR warning)</b>
ISS_022MI_GEOLOG002_PRIME	C,V,U	2006-079T21:51:00		00:20:00	2006-079T22:11:00	ISS_NAC to Mimas	POS_X to NEP	range=211K km; phase=89; longitude=120
CIRS_022SA_LIMBINT002_PRIME	CDA,U	2006-079T22:11:00		02:19:00	2006-080T00:30:00	ISS_NAC to Saturn	POS_X to NSP	8.35 min turn to Saturn, 6.3 min turn from Saturn
ISS_022MI_GEOLOG003_PRIME	C,V,U	2006-080T00:30:00		00:30:00	2006-080T01:00:00	ISS_NAC to Mimas	POS_X to NEP	range=193K km; phase=93; longitude=148
SP_022RH_WAYPTTURN080_PRIME		2006-080T01:00:00		00:25:00	2006-080T01:25:00	ISS_NAC to Rhea	POS_Z to POLE DIR	21 min turn; may violate CIRS warm body FR
<b>NEW WAYPOINT</b>		<b>2006-080T01:25:00</b>			<b>2006-080T09:20:00</b>	<b>ISS_NAC to RHEA</b>	<b>POS_Z to POLE DIR</b>	<b>WP OK</b>
ISS_022RH_REGGEOA001_PRIME	V,U,C	2006-080T01:30:00		00:15:00	2006-080T01:45:00	ISS_NAC to Rhea	POS_Z to POLE DIR	range=145K km; phase=86; longitude=0
CIRS_022RH_FP1FAZOP5288_PRIME	V,U	2006-080T01:45:00		01:30:00	2006-080T03:15:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
ISS_022RH_REGGEOB001_PRIME	V,U,C	2006-080T03:15:00		00:30:00	2006-080T03:45:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
CIRS_022RH_FP1FAZOP5289_PRIME	V,U	2006-080T03:45:00		00:45:00	2006-080T04:30:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
ISS_022RH_REGMAPC001_PRIME	V,U,C	2006-080T04:30:00		00:30:00	2006-080T05:00:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
CIRS_022RH_FP1DSKIN001_PRIME	V,U	2006-080T05:00:00		00:15:00	2006-080T05:15:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
CIRS_022RH_FP1FAZOP5290_PRIME	V,U	2006-080T05:15:00		01:30:00	2006-080T06:45:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
ISS_022RH_REGGEOB001_PRIME	V,U,C	2006-080T06:45:00		01:15:00	2006-080T08:00:00	ISS_NAC to Rhea	POS_Z to POLE DIR	range=87K km; phase=136; longitude=69
CIRS_022RH_FP1FAZOP5291_PRIME	V,U	2006-080T08:00:00		01:00:00	2006-080T09:00:00	ISS_NAC to Rhea	POS_Z to POLE DIR	
SP_022RH_WAYPTTURN580_PRIME		2006-080T09:00:00		00:20:00	2006-080T09:20:00	NEG_Z to Rhea	POS_X to POLE DIR	19.9 min turn
<b>NEW WAYPOINT</b>		<b>2006-080T09:20:00</b>			<b>2006-080T17:00:00</b>	<b>NEG_Z to RHEA</b>	<b>POS_X to POLE DIR</b>	<b>WP OK; secondary axis good for CDA</b>
RADAR_022RH_SCATTRAD001_PRIME		2006-080T09:20:00		07:20:00	2006-080T16:40:00	NEG_Z to Rhea	POS_X to POLE DIR	
SP_022SA_WAYPTTURN080_PRIME		2006-080T16:40:00		00:20:00	2006-080T17:00:00	ISS_NAC to Saturn	POS_X to NSP	17 min turn
<b>NEW WAYPOINT</b>		<b>2006-080T17:00:00</b>			<b>2006-080T22:19:00</b>	<b>ISS_NAC to SATURN</b>	<b>POS_X to NSP</b>	<b>WP OK</b>
ISS_022RH_PHOTOOPPS001_PRIME	V,C	2006-080T17:00:00		01:17:00	2006-080T18:17:00	ISS_NAC to Rhea	POS_X to NSP	
ISS_022OT_RETHIEQPL005_PRIME		2006-080T18:17:00		00:43:00	2006-080T19:00:00	retarg	POS_X to NSP	
UVIS_022SA_AURORA001_PRIME	C,V	2006-080T19:00:00		01:45:00	2006-080T20:45:00	ISS_NAC to Saturn	POS_X to NSP	
UVIS_022SA_DAYGLOW002_PRIME	C,V	2006-080T20:45:00		00:45:00	2006-080T21:30:00	ISS_NAC to Saturn	POS_X to NSP	
ISS_022JA_MUTUALEVE016_PRIME		2006-080T21:30:00		00:31:00	2006-080T22:01:00	ISS_NAC to Janus	POS_X to NSP	
SP_022EA_DLTURNO80_PRIME		2006-080T22:01:00		00:18:00	2006-080T22:19:00	XBAND to Earth	POS_X to NEP	15.1 min turn to +X to NEP
SP_022EA_G70METOTP080_PRIME		2006-080T22:19:00		09:00:00	2006-081T07:19:00	XBAND to Earth	POS_X to NEP	OTM

# Rev 22 timeline





prime  
rider

MP_022SA_REV022_NA	MILESTONE	2006-068T03:29:34	31T06:26:53		0 Pointing: (no pointing data); 0
MP_022NA_SEQUENCE019_NA	MILESTONE	2006-070T00:35:00	42T04:40:00		0 Pointing: (no pointing data); 0
CAPS_022SA_SURVEY004_RIDER	CAPS_16000	2006-078T02:18:58	04T05:06:06	1	363.97 Pointing: Control of 2nd axis when possible"; 0
MIMI_022CO_SURVEY002_RIDER	MIMI_8000	2006-078T02:18:58	00T22:00:02		71.28 "Description" = "Part of SURVEY MAPS Campaign. Pointing: As 900
CDA_022DR_1100DUST157_RIDER	CDA_524	2006-078T23:33:53	00T03:37:32		6.84 Pointing: CDA to Kepler RAM"; 524
INMS_022SA_SURVEY004_RIDER	INMS_1498	2006-78T23:58:19;	00T19:57:00		3.59 Pointing: (no pointing data); 50 E022_Titan12+001T00:00:02;
CAPS_022IC_CALIBRATE001_PRIME	CAPS_16000	2006-079T00:00:00	00T09:10:00	5	188.1 Pointing: An orientation which allows CAPS to observe the lo 700
MAG_022OT_SURVEY002_PRIME	MAG_1976	2006-079T00:04:00	01T00:00:00		51.84 Pointing: None for MAG"; 600
RPWS_022SA_INSURVEY002_PRIME	RPWS_30464	2006-079T00:04:00	01T00:00:00		113.19 Pointing: don't care"; 310.01
SP_022NA_M70METNON080_NA	OBSERVATION_PERIOD	2006-079T00:04:00	00T15:37:00		0 0
SP_022SA_WAYPTTURN079_PRIME	MILESTONE	2006-079T00:04:00	00T00:27:00		0 Pointing: (no pointing data); 0
MIMI_022CO_SURVEY005_RIDER	MIMI_8000	2006-079T00:19:00	00T09:41:00		31.37 "Description" = "Part of SURVEY MAPS Campaign. Pointing: As 900
UVIS_022ST_EPSOR1002_PRIME	UVIS_32096	2006-079T00:31:00	00T01:14:00	32	142.51 Pointing: UVIS FUV occultation slit boresite on star for dur 96
ISS_022ST_BETOR1004_UVIS	ISS_Phot_1_by_1	2006-079T01:45:00	00T01:20:00		66.96 Pointing: determined by prime instrument"; 0
UVIS_022ST_BETOR1004_PRIME	UVIS_32096	2006-079T01:45:00	00T01:20:00	32	154.06 Pointing: UVIS FUV occultation slit boresite on star for dur 96
UVIS_022SA_CYLMAP001_VIMS	UVIS_5032	2006-079T03:05:00	00T01:30:00	1	5.43 Pointing: (no pointing data); 6.4
VIMS_022SA_CYLMAP001_PRIME	VIMS_18432	2006-079T03:05:00	00T01:30:00	18	100 Pointing: NAC to Saturn center, z parallel to Saturn polar a 518.52
CDA_022RI_1000RINGM021_RIDER	CDA_524	2006-079T03:12:26	00T00:49:59		1.57 Pointing: CDA to Kepler RAM"; 524
CDA_022DR_1000DUST158_RIDER	CDA_524	2006-079T04:02:25;	00T01:38:28		3.1 Pointing: CDA to Kepler RAM"; 524
ISS_022ST_EPSOR1003_UVIS	ISS_Phot_1_by_1	2006-079T04:35:00	00T01:10:00		66.96 Pointing: determined by prime instrument"; 0
UVIS_022ST_EPSOR1003_PRIME	UVIS_32096	2006-079T04:35:00	00T01:10:00	32	134.8 Pointing: UVIS FUV occultation slit boresite on star for dur 96
CDA_022RI_0900RINGM021_RIDER	CDA_524	2006-079T05:42:55	00T00:49:59		1.57 Pointing: CDA to Kepler RAM"; 524
ISS_022ST_ZETOR1002_UVIS	ISS_Phot_1_by_1	2006-079T05:45:00	00T00:45:00		66.96 Pointing: determined by prime instrument"; 0
UVIS_022ST_ZETOR1002_PRIME	UVIS_32096	2006-079T05:45:00	00T00:45:00	32	86.66 Pointing: UVIS FUV occultation slit boresite on star for dur 96
UVIS_022SA_CYLMAP002_VIMS	UVIS_5032	2006-079T06:30:00	00T02:30:00	1	9.06 Pointing: (no pointing data); 6.4
VIMS_022SA_CYLMAP002_PRIME	VIMS_18432	2006-079T06:30:00	00T02:30:00	16	150 Pointing: NAC to Saturn center, z parallel to Saturn polar a 666.67
CDA_022DR_0900DUST159_RIDER	CDA_524	2006-079T06:33:54	00T01:02:28		1.96 Pointing: CDA to Kepler RAM"; 524
CDA_022RH_0900RHORX021_RIDER	CDA_524	2006-79T07:36:22;	00T00:49:59		12.57 Pointing: CDA to Kepler RAM"; 192
CDA_022DR_0800DUST160_RIDER	CDA_524	2006-79T08:27:22;	00T01:33:27	4	2.94 Pointing: CDA to Kepler RAM";

ISS_022EP_MUTUALEVE017_PRIME	ISS_Phot_1_by_1	2006-79T10:01:50; 2006-079T09:00:00	00T00:32:00	524 20 Pointing: NAC TO EPIMETHEUS, +X TO NSP"; 0
ISS_022OT_RETHIEQPL002_PRIME	ISS_Phot_1_by_1	2006-079T09:32:00 2006-79T10:02:00;	00T00:30:00	96 Pointing: NAC TO AS YET UNDETERMINED TARGET, +X TO NSP"; 0
MIMI_022DR_INCADUST001_PRIME	MIMI_8000	2006-079T10:00:00 2006-79T20:16:00;	00T10:16:00	66.53 Pointing: INCA boresight (in X, Y plane, 9.5 deg toward +X f 800
UVIS_022SA_CYLMAP003_VIMS	UVIS_5032	2006-079T10:02:00 2006-79T10:40:00;	00T00:38:00	2.29 Pointing: (no pointing data)"; 6.4
VIMS_022SA_CYLMAP003_PRIME	VIMS_18432	2006-079T10:02:00 2006-79T10:40:00;	00T00:38:00	40 Pointing: NAC to Saturn center, z parallel to Saturn polar a 543.86
CDA_022RE_0800ERNGX021_PRIME	CDA_524	2006-079T10:02:51 2006-79T10:52:50;	00T00:49:59	12.57 Pointing: CDA to Kepler RAM"; 192
ISS_022ST_ALPCMI001_VIMS	ISS_Phot_1_by_1	2006-079T10:40:00 2006-79T12:10:00;	00T01:30:00	66.96 Pointing: determined by prime instrument"; 0
UVIS_022ST_ALPCMI001_VIMS	UVIS_32096	2006-079T10:40:00 2006-79T12:10:00;	00T01:30:00	173.32 Pointing: UVIS FUV occultation slit boresight on star for dur 96
VIMS_022SA_ALPCMIOCC001_PRIME	VIMS_18432	2006-079T10:40:00 2006-79T12:10:00;	00T01:30:00	230.3 Pointing: primary NAC to Alp CMI ,secondary z parallel to po 648.15
CDA_022DR_0700DUST145_RIDER	CDA_524	2006-079T10:53:51 2006-79T12:59:27;	00T02:05:36	3.95 Pointing: CDA to Kepler RAM"; 524
UVIS_022SA_CYLMAP004_VIMS	UVIS_5032	2006-079T12:10:00 2006-79T14:06:00;	00T01:56:00	7 Pointing: (no pointing data)"; 6.4
VIMS_022SA_CYLMAP004_PRIME	VIMS_18432	2006-079T12:10:00 2006-79T14:06:00;	00T01:56:00	100 Pointing: NAC to Saturn center, z parallel to Saturn polar a 367.82
SP_022NA_M70METNON079_SP	DSN_PASS	2006-079T12:59:00 2006-79T21:41:00;	00T08:42:00	0 0
CDA_022RE_0700ERNGX021_PRIME	CDA_524	2006-079T13:00:28 2006-79T13:35:00;	00T00:34:32	8.69 Pointing: CDA to Kepler RAM"; 192
CDA_022DR_0600DUST146_RIDER	CDA_524	2006-079T13:36:00 2006-79T14:44:34;	00T01:08:34	2.16 Pointing: CDA to Kepler RAM"; 524
ISS_022T1_1X1PT140001_PRIME	ISS_Phot_1_by_1	2006-079T14:06:00 2006-79T15:21:00;	00T01:15:00	111.6 Pointing: NAC TO TITAN, -X TO SUN"; 0
CDA_022DI_0600DIORX022_PRIME	CDA_524	2006-079T14:45:35 2006-79T15:24:31;	00T00:38:56	9.79 Pointing: CDA to Kepler RAM"; 192
SP_022EA_DLTURN079_PRIME	MILESTONE	2006-079T15:21:00 2006-79T15:41:00;	00T00:20:00	0 Pointing: (no pointing data)"; 0
CDA_022DR_0600DUST147_RIDER	CDA_524	2006-079T15:25:31 2006-79T18:09:06;	00T02:43:35	5.14 Pointing: CDA to Kepler RAM"; 524
CIRS_022IC_DSCAL2334_PRIME	CIRS_4000	2006-079T15:41:00 2006-79T21:41:00;	00T06:00:00	86.4 Pointing: -Y to deep space, no sun on CIRS cooler (+X hemisp 0
SP_022EA_M70METNON079_PRIME	DOWNLINK_PASS	2006-079T15:41:00 2006-79T21:41:00;	00T06:00:00	0 0
RPWS_022SA_SEDDF001_PRIME	RPWS_30464	2006-79T15:56:38; 2006-79T23:43:55;	00T07:47:17	64.49 Pointing: Don't care"; 300.03 E022_Per1-04:00:00;
CDA_022RE_0500ERNGX018_PRIME	CDA_524	2006-079T18:10:06 2006-79T22:24:58;	00T04:14:52	64.1 Pointing: CDA to Kepler RAM"; 192
INMS_022SA_SURVEY005_RIDER	INMS_1498	2006-79T19:55:19; 2006-81T07:12:19;	01T11:17:00	6.35 Pointing: (no pointing data)"; 50 E022_Titan12+001T19:57:02;
MP_022SA_PERIAPSE022_NA	MILESTONE	2006-079T19:56:38 2006-79T19:56:39;	00T00:00:01	0 Pointing: (no pointing data)"; 0
RPWS_022SA_WHISTLER001_PRIME	RPWS_182784	2006-79T19:56:38; 2006-79T20:11:38;	00T00:15:00	164.51 Pointing: Don't care"; 784 E022_Per1+00:00:00;
MIMI_022DR_INCADUST002_PRIME	MIMI_8000	2006-079T20:16:01 2006-80T06:35:01;	00T10:19:00	66.85 Pointing: INCA boresight (in X, Y plane, 9.5 deg toward +X f 800
SP_022MI_WAYPTTURN079_PRIME	MILESTONE	2006-079T21:41:00 2006-79T21:51:00;	00T00:10:00	0 Pointing: (no pointing data)"; 0
SP_022NA_G70BSOTP080_NA	OBSERVATION_PERIOD	2006-079T21:41:00 2006-80T22:19:00;	01T00:38:00	0 0
CIRS_022MI_FP3RIDER237_ISS	CIRS_4000	2006-079T21:51:00	00T00:20:00	4.8 Pointing: NAC to Mimas, +X to Mimas NP";

ISS_022MI_GEOLOG002_PRIME	ISS_Phot_1_by_1	2006-79T22:11:00; 2006-079T21:51:00	00T00:20:00	4	0	100.66 Pointing: Boresight to target, +Z to North Saturn Pole";
UVIS_022MI_ICYLON024_ISS	UVIS_5032	2006-79T22:11:00; 2006-079T21:51:00	00T00:20:00	5	32	6.04 Pointing: Target to center of illuminated disk. Stare for du
VIMS_022MI_MIMAS002_ISS	VIMS_18432	2006-79T22:11:00; 2006-079T21:51:00	00T00:20:00	3	562.5	4.27 Pointing: vims boresight to mimas";
CIRS_022SA_LIMBINT002_PRIME	CIRS_4000	2006-79T22:11:00; 2006-80T00:30:00;	00T02:19:00	4	0	33.36 Pointing: FP3 to Saturn, +X to NSP";
UVIS_022SA_LIMBINT005_CIRS	UVIS_5032	2006-079T22:11:00; 2006-80T00:30:00;	00T02:19:00	1	8.39	Pointing: (no pointing data)";
CDA_022DR_0600DUST148_RIDER	CDA_524	2006-079T22:25:59; 2006-80T01:09:34;	00T02:43:35		6.4	5.14 Pointing: CDA to Kepler RAM";
MP_022SA_RPXASCEND022_NA	MILESTONE	2006-079T22:33:35; 2006-79T22:33:36;	00T00:00:01		524	0 Pointing: (no pointing data)";
MAG_022OT_SURVEY003_PRIME	MAG_1976	2006-080T00:04:00; 2006-81T07:19:00;	01T07:15:00		0	67.5 Pointing: None for MAG";
RPWS_022SA_INSURVEY003_PRIME	RPWS_30464	2006-080T00:04:00; 2006-81T00:35:00;	01T00:31:00	1	600	115.62 Pointing: don't care";
RPWS_022SA_SEDDF002_PRIME	RPWS_30464	2006-080T00:04:00; 2006-80T00:16:43;	00T00:12:43	2	310.01	1.75 Pointing: Don't care";
CIRS_022MI_FP1FAZ0P5237_ISS	CIRS_4000	2006-080T00:30:00; 2006-80T01:00:00;	00T00:30:00	4	300.03	7.2 Pointing: NAC to Mimas, +X to Mimas NP";
ISS_022MI_GEOLOG003_PRIME	ISS_Phot_1_by_1	2006-080T00:30:00; 2006-80T01:00:00;	00T00:30:00		0	88.08 Pointing: NAC to Mimas, +X to North Mimas Pole";
UVIS_022MI_ICYLON021_ISS	UVIS_5032	2006-080T00:30:00; 2006-80T01:00:00;	00T00:30:00	5	9.06	Pointing: Target to center of illuminated disk. Stare for du
VIMS_022MI_MIMAS003_ISS	VIMS_18432	2006-080T00:30:00; 2006-80T01:00:00;	00T00:30:00	3	32	6.5 Pointing: vims boresight to mimas";
SP_022RH_WAYPTTURN080_PRIME	MILESTONE	2006-080T01:00:00; 2006-80T01:25:00;	00T00:25:00		611.11	0 Pointing: (no pointing data)";
CDA_022DI_0600DIORX023_PRIME	CDA_524	2006-080T01:10:35; 2006-80T01:49:25;	00T00:38:50	4	0	9.77 Pointing: CDA to Kepler RAM";
CIRS_022RH_REGGEODA001_ISS	CIRS_4000	2006-080T01:30:00; 2006-80T01:45:00;	00T00:15:00	6	192	6.01 Pointing: FP1 to Rhea, +Z to NEP";
ISS_022RH_REGGEODA001_PRIME	ISS_Phot_1_by_1	2006-080T01:30:00; 2006-80T01:45:00;	00T00:15:00		680	32 Pointing: Boresight to Rhea; secondary axes TBD";
UVIS_022RH_ICYLON026_ISS	UVIS_5032	2006-080T01:30:00; 2006-80T06:45:00;	00T05:15:00	5	95.1	Pointing: Rider on CIRS and ISS ";
VIMS_022RH_RHEA002_ISS	VIMS_18432	2006-080T01:30:00; 2006-80T01:45:00;	00T00:15:00	5	32	4.85 Pointing: VIMS boresight to Rhea";
CIRS_022RH_FP1FAZ0P5288_PRIME	CIRS_4000	2006-080T01:45:00; 2006-80T03:15:00;	00T01:30:00	4	388.89	21.6 Pointing: FP1 to Rhea, +Z to Rhea NP";
VIMS_022RH_RHEA003_CIRS	VIMS_18432	2006-080T01:45:00; 2006-80T03:15:00;	00T01:30:00	4	0	25.7 Pointing: VIMS boresight to Rhea";
CDA_022DR_0600DUST149_RIDER	CDA_524	2006-080T01:50:25; 2006-80T02:58:59;	00T01:08:34		759.26	2.16 Pointing: CDA to Kepler RAM";
CDA_022RE_0700ERNGX022_PRIME	CDA_524	2006-080T03:00:00; 2006-80T03:40:20;	00T00:40:20	4	524	10.14 Pointing: CDA to Kepler RAM";
CIRS_022RH_REGGEODB001_ISS	CIRS_4000	2006-080T03:15:00; 2006-80T03:45:00;	00T00:30:00	4	192	7.2 Pointing: FP1 to Rhea, +Z to N Rhea Pole";
ISS_022RH_REGGEODB001_PRIME	ISS_Phot_1_by_1	2006-080T03:15:00; 2006-80T03:45:00;	00T00:30:00	4	0	88 Pointing: Boresight to Rhea (3x3 mosaic); secondary axes TBD
VIMS_022RH_RHEA004_ISS	VIMS_18432	2006-080T03:15:00; 2006-80T03:45:00;	00T00:30:00	2	4.55	Pointing: VIMS boresight to Rhea";
CDA_022DR_0700DUST150_RIDER	CDA_524	2006-080T03:41:20; 2006-80T05:41:11;	00T01:59:51		527.78	3.77 Pointing: CDA to Kepler RAM";
CIRS_022RH_FP1FAZ0P5289_PRIME	CIRS_4000	2006-080T03:45:00; 2006-80T04:30:00;	00T00:45:00	4	524	10.8 Pointing: FP1 to Rhea, +Z to Rhea NP";
VIMS_022RH_RHEA005_CIRS	VIMS_18432	2006-080T03:45:00	00T00:45:00		0	13 Pointing: VIMS boresight to Rhea";

CIRS_022RH_REGMAPC001_ISS	CIRS_4000	2006-80T04:30:00; 2006-080T04:30:00	00T00:30:00	4	814.81	
					7.2	Pointing: FP1 to Rhea, +Z to N Rhea Pole";
				4	0	
ISS_022RH_REGMAPC001_PRIME	ISS_Phot_1_by_1	2006-080T04:30:00	00T00:30:00		116.48	Pointing: Boresight to Rhea (3x4 mosaic); secondary axes TBD
		2006-80T05:00:00;			0	
VIMS_022RH_RHEA006_ISS	VIMS_18432	2006-080T04:30:00	00T00:30:00		6	Pointing: VIMS boresight to Rhea";
		2006-80T05:00:00;		3	333.33	
CIRS_022RH_FP1DSKIN001_PRIME	CIRS_4000	2006-080T05:00:00	00T00:15:00		3.6	Pointing: FP1 to Rhea, +Z to Rhea NP";
		2006-80T05:15:00;		4	0	
VIMS_022RH_RHEA007_CIRS	VIMS_18432	2006-080T05:00:00	00T00:15:00		3.4	Pointing: VIMS boresight to Rhea";
		2006-80T05:15:00;		3	777.78	
CIRS_022RH_FP1FAZ0P5290_PRIME	CIRS_4000	2006-080T05:15:00	00T01:30:00		21.6	Pointing: FP1 to Rhea, +Z to Rhea NP";
		2006-80T06:45:00;		4	0	
VIMS_022RH_RHEA008_CIRS	VIMS_18432	2006-080T05:15:00	00T01:30:00		20.3	Pointing: VIMS boresight to Rhea";
		2006-80T06:45:00;		3	759.26	
CDA_022RE_0800ERNGX022_PRIME	CDA_524	2006-080T05:42:12	00T00:49:59		12.57	Pointing: CDA to Kepler RAM";
		2006-80T06:32:11;		4	192	
ENGR_022SC_RADWU080_PPS	OpMode	2006-080T06:20:00	00T00:00:09		0	
		2006-80T06:20:09;			0	
RADAR_022OT_WARMUP4RH001_RIDER	RADAR_364800	2006-080T06:20:00	00T03:00:00		2.76	Pointing: No constraints on primary nor secondary axis.";
		2006-80T09:20:00;			255.36	
CDA_022DR_0800DUST161_RIDER	CDA_524	2006-080T06:33:12	00T01:33:24		2.94	Pointing: CDA to Kepler RAM";
		2006-80T08:06:36;			524	
MIMI_022CO_SURVEY003_RIDER	MIMI_8000	2006-080T06:35:00	01T00:58:00		81.88	"Description" = "Part of SURVEY MAPS Campaign. Pointing: As
		2006-81T07:33:00;			911	
CIRS_022RH_REGGEODD001_ISS	CIRS_4000	2006-080T06:45:00	00T01:15:00		18	Pointing: FP1 to Rhea, +Z to N Rhea Pole";
		2006-80T08:00:00;		4	0	
ISS_022RH_REGGEODD001_PRIME	ISS_Phot_1_by_1	2006-080T06:45:00	00T01:15:00		208	Pointing: Boresight to Rhea (2x5+1 mosaics); secondary axes
		2006-80T08:00:00;			0	
UVIS_022RH_ICYLON025_ISS	UVIS_5032	2006-080T06:45:00	00T02:15:00		40.76	Pointing: Target to center of illuminated disk. Stare for du
		2006-80T09:00:00;		5	32	
VIMS_022RH_RHEA009_ISS	VIMS_18432	2006-080T06:45:00	00T01:15:00		13.55	Pointing: VIMS boresight to Rhea";
		2006-80T08:00:00;		3	11.11	
MP_022RH_FLYBYNT001_NA	MILESTONE	2006-080T07:01:41	00T00:00:01		0	Pointing: (no pointing data)";
		2006-80T07:01:42;			0	
CIRS_022RH_FP1FAZ0P5291_PRIME	CIRS_4000	2006-080T08:00:00	00T01:00:00		14.4	Pointing: FP1 to Rhea, +Z to Rhea NP";
		2006-80T09:00:00;		4	0	
VIMS_022RH_RHEA010_CIRS	VIMS_18432	2006-080T08:00:00	00T01:00:00		13.55	Pointing: VIMS boresight to Rhea";
		2006-80T09:00:00;		3	763.89	
CDA_022RH_0900RHORX022_RIDER	CDA_524	2006-080T08:07:37	00T00:49:59		12.57	Pointing: CDA to Kepler RAM";
		2006-80T08:57:36;		4	192	
CDA_022DR_0900DUST162_RIDER	CDA_524	2006-080T08:58:37	00T01:02:28		1.96	Pointing: CDA to Kepler RAM";
		2006-80T10:01:05;			524	
SP_022RH_WAYPTTURN580_PRIME	MILESTONE	2006-080T09:00:00	00T00:20:00		0	Pointing: (no pointing data)";
		2006-80T09:20:00;			0	
ENGR_022SC_RADRWA080_PPS	OpMode	2006-080T09:20:00	00T00:00:44		0	
		2006-80T09:20:44;			0	
RADAR_022RH_SCATTRAD001_PRIME	RADAR_364800	2006-080T09:20:00	00T07:20:00		599.99	Pointing: RADAR must control primary and secondary axes to o
		2006-80T16:40:00;		22	727.04	
CDA_022RI_0900RINGM022_RIDER	CDA_524	2006-080T10:02:06	00T00:49:59		1.57	Pointing: CDA to Kepler RAM";
		2006-80T10:52:05;			524	
CDA_022DR_1000DUST163_RIDER	CDA_524	2006-080T10:53:06	00T01:38:30		3.1	Pointing: CDA to Kepler RAM";
		2006-80T12:31:36;			524	
CDA_022RI_1000RINGM022_RIDER	CDA_524	2006-080T12:32:37	00T00:49:59		1.57	Pointing: CDA to Kepler RAM";
		2006-80T13:22:36;			524	
CDA_022DR_1100DUST164_RIDER	CDA_524	2006-080T13:23:36	00T03:37:32		6.84	Pointing: CDA to Kepler RAM";
		2006-80T17:01:08;			524	
ENGR_022SC_DFPW080_PPS	OpMode	2006-080T16:40:00	00T00:03:07		0	
		2006-80T16:43:07;			0	
SP_022SA_WAYPTTURN080_PRIME	MILESTONE	2006-080T16:40:00	00T00:20:00		0	Pointing: (no pointing data)";

CIRS_022RH_PHOTOOPSS001_ISS	CIRS_4000	2006-80T17:00:00; 2006-080T17:00:00	00T01:17:00	5	0 23.28 Pointing: FP1 to Rhea, +Z to N Rhea Pole"; 40
ISS_022RH_PHOTOOPSS001_PRIME	ISS_Phot_1_by_1	2006-080T17:00:00 2006-80T18:17:00;	00T01:17:00		120 Pointing: NAC TO RHEA, +X to NSP"; 0
VIMS_022RH_RHEA011_ISS	VIMS_18432	2006-080T17:00:00 2006-80T18:17:00;	00T01:17:00		3.35 Pointing: VIMS boresight to Rhea"; 725.11
CDA_022RI_1200RINGM022_RIDER	CDA_524	2006-080T17:02:09 2006-80T19:02:08;	00T01:59:59		3.77 Pointing: CDA to Kepler RAM"; 524
ISS_022OT_RETHIEQPL005_PRIME	ISS_Phot_1_by_1	2006-080T18:17:00 2006-80T19:00:00;	00T00:43:00		96 Pointing: NAC TO AS YET UNDETERMINED TARGET, +X TO NSP"; 0
CIRS_022SA_AURORA001_UVIS	CIRS_4000	2006-080T19:00:00 2006-80T21:30:00;	00T02:30:00	4	36 Pointing: -y to Saturn, Z to NSP"; 0
UVIS_022SA_AURORA001_PRIME	UVIS_5032	2006-080T19:00:00 2006-80T20:45:00;	00T01:45:00	5	31.7 Pointing: -Y to Saturn Center; +Z to N. Sat. Pole"; 32
VIMS_022SA_AURORIDER004_UVIS	VIMS_18432	2006-080T19:00:00 2006-80T21:30:00;	00T02:30:00	5	50 Pointing: (no pointing data)*"; 555.56
CDA_022DR_1300DUST165_RIDER	CDA_524	2006-080T19:03:09 2006-80T22:13:38;	00T03:10:29		5.99 Pointing: CDA to Kepler RAM"; 524
UVIS_022SA_DAYGLOW002_PRIME	UVIS_5032	2006-080T20:45:00 2006-80T21:30:00;	00T00:45:00	5	13.59 Pointing: -Y to Saturn Center; +Z perp. to limb (FOV TWIST ~ 32
ISS_022JA_MUTUALEVE016_PRIME	ISS_Phot_1_by_1	2006-080T21:30:00 2006-80T22:01:00;	00T00:31:00		20 Pointing: NAC TO JANUS, +X TO NSP"; 0
SP_022EA_DLTURN080_PRIME	MILESTONE	2006-080T22:01:00 2006-80T22:19:00;	00T00:18:00		0 Pointing: (no pointing data)*"; 0
CDA_022RI_1400RINGM022_RIDER	CDA_524	2006-080T22:14:39 2006-81T00:14:38;	00T01:59:59		3.77 Pointing: CDA to Kepler RAM"; 524
ENGR_022SC_DFPWTCM080_PPS	OpMode	2006-080T22:18:04 2006-80T22:19:00;	00T00:00:56		0 0
NAV_022SC_OTM056001_PRIME	MILESTONE	2006-080T22:19:00 2006-81T07:19:00;	00T09:00:00		0 Pointing: Start/End Earth point"; 0
SP_022EA_G70METOTP080_PRIME	DOWNLINK_PASS	2006-080T22:19:00 2006-81T07:19:00;	00T09:00:00		0 0
SP_022NA_G70METOTP080_SP	DSN_PASS	2006-080T22:19:00 2006-81T07:19:00;	00T09:00:00		0 0
CDA_022DR_1500DUST166_RIDER	CDA_524	2006-081T00:15:38 2006-81T03:44:06;	00T03:28:28		6.55 Pointing: CDA to Kepler RAM"; 524
RPWS_022SA_OUTSURVEY002_PRIME	RPWS_30464	2006-081T00:35:00 2006-81T07:19:00;	00T06:44:00	1	31.75 Pointing: don't care"; 310.01
CDA_022RI_1600RINGM024_RIDER	CDA_524	2006-081T03:45:07 2006-81T05:45:06;	00T01:59:59		3.77 Pointing: CDA to Kepler RAM"; 524
CDA_022DR_1700DUST167_RIDER	CDA_524	2006-081T05:46:06 2006-81T09:28:59;	00T03:42:53		7.01 Pointing: CDA to Kepler RAM"; 524
INMS_022SA_SURVEY006_RIDER	INMS_1498	2006-81T07:12:19; 2006-82T07:04:23;	00T23:52:04		4.3 Pointing: (no pointing data)*"; 50 E022_Titan12+003T07:14:02;

Thu Oct 3 15:22:31 2002 .. /rev22/rev22\_020926. apf

START DATE/TIME : 2006 79 0 4 0  
 END Date/Time : 2006 81 7 19 0



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 SSR MANAGEMENT TOOL (SMT) VERSION: SMT-V01-D8.0.4  
 REPORT FOR ../apgen/SOST/rev22/rev22\_020926.apf  
 USING DICTIONARY FILE dict.txt

ACTIVITIES OUTSIDE EXECUTION PERIOD

ACTIVITY NAME	ACTIVITY TYPE	START TIME
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SPECIAL ACTIVITIES REPORT

ACTIVITY NAME	ACTIVITY TYPE	START TIME	DATA CLASS	NOTIFICATION
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TELEMETRY MODE REPORT

SCET	TELEMETRY MODE	REQUEST
2006-079T00:04:00.000	S_N_ER_3	SP_022NA_M70METNON080_NA
2006-079T15:41:00.000	RTE_N_SPB_142200	SP_022EA_M70METNON079_PRIME
2006-079T17:34:00.000	RTE_N_SPB_165900	SP_022EA_M70METNON079_PRIME
2006-079T18:34:00.000	RTE_N_SPB_142200	SP_022EA_M70METNON079_PRIME
2006-079T20:49:00.000	RTE_N_SPB_165900	SP_022EA_M70METNON079_PRIME
2006-079T21:41:00.000	S_N_ER_3	SP_022NA_G70OBSOTP080_NA
2006-080T22:19:00.000	RTE_N_SPB_124425	SP_022EA_G70METOTP080_PRIME
2006-080T22:34:00.000	RTE_N_SPB_142200	SP_022EA_G70METOTP080_PRIME
2006-081T00:04:00.000	RTE_N_SPB_165900	SP_022EA_G70METOTP080_PRIME
2006-081T06:19:00.000	RTE_N_SPB_142200	SP_022EA_G70METOTP080_PRIME

DATA VOLUME SUMMARY

DOWNLINK PASS NAME	OBSERVATION_PERIOD										DOWNLINK_PASS						
	Start doy hh:mm	End doy hh:mm	P4					P5	RECORDED		PLAYBACK						
			START (Mb)	SCI (Mb)	HK+E (Mb)	TOTAL (Mb)	CPACTY (Mb)		MARGIN (%)	OPNAV (Mb)	SCI (Mb)	ENGR (Mb)	TOTAL (Mb)	CPACTY (Mb)	MARGIN (%)	CAROVR (Mb)	
SP_022EA_M70METNON079_PRIME	079 15:41	079 21:41	0	2320	53	2373	3565	1192	33%	0	459	35	2867	2710	-157	-6%	157
SP_022EA_G70METOTP080_PRIME	080 22:19	081 07:19	157	2546	83	2786	3569	783	22%	0	142	53	2981	3643	662	18%	0

SSR PARTITION SIZE SUMMARY

OBSERVATION PERIOD	SSR A/B		
	P4 Size (Frames)	P5 Size (Frames)	P6 Size (Frames)

SP_022NA_M70METNON080_NA	202731	423	25596
SP_022NA_G70OBSOTP080_NA	202731	423	25596

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DATA VOLUME REPORT

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)	PROBE (Mb)	ENGR (Mb)	TOTAL (Mb)
OBSERVATION_NOR	079 00:04	079 15:41	243.0	67.2	0.0	2.8	495.4	33.7	69.0	0.0	73.6	715.1	620.3	0.0	0.0	2320.3
SP_022EA_M70METNON079_PRIME	079 15:41	079 21:41	21.6	57.7	86.4	1.1	0.0	13.0	38.9	0.0	240.3	0.0	0.0	0.0	0.0	458.9
OBSERVATION_NOR	079 21:41	080 22:19	88.7	95.1	215.1	4.4	869.2	53.2	109.3	602.8	134.9	204.6	169.0	0.0	0.0	2546.2
SP_022EA_G70METOTP080_PRIME	080 22:19	081 07:19	32.4	16.9	0.0	1.6	0.0	19.4	29.5	0.0	42.4	0.0	0.0	0.0	0.0	142.3

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AVERAGE DATA RATE REPORT (calculated over observation periods and downlink passes)

Event	Start doy hh:mm	End doy hh:mm	CAPS (bps)	CDA (bps)	INMS (bps)	MAG (bps)	MIMI (bps)	RPWS (bps)	UVIS (bps)
SP_022NA_M70METNON080_NA	079 00:04	079 15:41	4321.5	1196.1	50.0	600.0	1227.5	1310.0	12720.4
SP_022EA_M70METNON079_PRIME	079 15:41	079 21:41	1000.0	2671.4	50.0	600.0	1799.9	11126.2	0.0
SP_022NA_G70OBSOTP080_NA	079 21:41	080 22:19	1000.0	1071.9	50.0	600.0	1232.2	1521.1	2307.6
SP_022EA_G70METOTP080_PRIME	080 22:19	081 07:19	1000.0	521.1	50.0	600.0	911.0	1310.0	0.0

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DATA POLICING TABLES

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)	DPT #
OBSERVATION_NOR	079 00:04	079 15:41	30400	16100	0	900	65100	4300	8700	0	9700	82200	105400	1
SP_022EA_M70METNON079_PRIME	079 15:41	079 21:41	2700	13800	10800	400	0	1700	4900	0	31600	0	0	2
OBSERVATION_NOR	079 21:41	080 22:19	11100	22700	26900	1300	114200	6800	13700	79400	17800	23600	28800	3
SP_022EA_G70METOTP080_PRIME	080 22:19	081 07:19	4100	4100	0	500	0	2500	3700	0	5600	0	0	4

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CASSINI DSN COVERAGE SUMMARY for rev22/rev22\_020916\_v3.apf generated on 2002-Sep-16 17:30:38  
 (+ = pass overlaps with previous pass; \* = in conflict with DSN weekly maintenance)

C ANT	ID	BOT_TO_EOT ERT	DUR hh:mm	XMT_AT ERT	2WAY_PERIOD ERT	DUR hh:mm	DL_PERIOD ERT	DL_PERIOD SCET	DUR hh:mm	NOT CALS min	RADIO_CONFIG UD D UD MAR	DATA_RATES kbps
M 70MET	63	079T14:10-22:55	08:45	079T14:20	16:52-22:52	06:00	079T16:52-22:52	079T15:41-21:41	06:00	---	15/15 XX - -- --	0 142,165,142,165
G 70MET	15	080T23:30-08:30	09:00	080T23:40	02:02-08:30	06:28	080T23:30-08:30	080T22:19-07:19	09:00	OTP	15/15 XX - -- --	0 124,142,165,142

# Open Issues