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Gravity Probe B Relativity Mission

MOC SVR: Display TImeline

S0605 Rev A
5/30/03

Approvals

	SIGNATURE	DATE
Paul McGown *SU, Timeline S/W Engineer*		05/29/03
Ron Sharbaugh *MOC S/W Manager*		5/29/03
Marcie Smith *MOC Project Manager*		29 May 03
Kelly Burlingham *System Effectiveness Manager*		5/29/03

ITAR Assessment Performed, ITAR Control Req'd? Yes__ No X : _____ 6.3.03
Tom Langenstein

History

REV	DATE	AUTHOR	COMMENTS
-	4/402	P McGown	Release for mini-sim TRR
A	5/30/03	rjs	release of timeline tools v1.3

1. INTRODUCTION

.This documents details the execution of the following test plans from timeline tools SDTD: S0478

a) 7.4 DISPLAY TIMELINE:
   i) OSL interpretator is regression tested against v1.1.
   ii) Tk timeline tools follows the test plan of 7.4, except no testing is done for INFO-timer as it was not changed.

b) 7.5 DIFFERENCING OSL FILES - this test is done as per test plan.

2. APPLICABLE DOCUMENTS

Document	Document No.	Alias
Mission Operations Plan	MO-01	OPS_PLAN
MOC Configuration Control, IONET LAN	S0476	CONF_CONTROL
MOC Timeline Tools SDTD	S0478	
MOC: Create SPC .load File	P0813	MOD_TIMELINE

3. SOFTWARE VERIFICATION REPORT

3.1 Tk timeline tools

OVERVIEW
The MOC uses PERL/tk in which to develop user friendly timeline filtering and display tools.
The aforementioned Tk tools, such as *TASKtimer*, *TASKviewer*, *PONGviewer*, and ~~*INFOtimer*~~ read the contents of the solution files (.sol) and graphically or tabularly displays the information based upon user selected filters.

PROCEDURE

1. Bring up the tool with all of the given defaults.
2. Select a different Input Directory and Input File (if desired).
3. Select desired task subsystems, task types (Command, Ground, Information).
4. Select desired Ground Network (GN) and Space Network (SN) sites such as SGS or TDRSS3.
5. Select desired GP-B antenna type (Fwd, Aft, Fwd and Aft, or Fwd or Aft) via radio button.
6. Define an Output Directory and Output File (in order to print):
   - select postscript (where graphical).
   - then select PRINT (to send output file to the printer).
7. Check out all of the other user-friendly filter buttons.

SEE ATTACHMENT A,B,C,and D FOR DETAILS.

SUCCESS CRITERIA

The graphical or tabular outputs displayed and printed should agree with the user desired filter settings by task subsystem, task type, GN or SN settings (if VIS or TRK selected), coupled with the desired GP-B antenna setting. Further, each output and display should agree with the information from the input solution file (.sol).

RESULTS: **PASSED**

3.2 DIFFERENCING OSL FILES

TEST ID: **`diff_osl`**

INTRODUCTION
A working timeline is compared to its parent, and differences are flagged.

APPROACH
Create a child workspace, and modify its timeline to show that the features tested, in the next section, are flagged.

FEATURES TESTED

- any task in the reference file which is not in the working file is flagged.
- any task in the working file which is not in the reference file is flagged.
- for tasks common to both, any task relationships differences are flagged.
- for tasks common to both, any event relationships differences are flagged.
- for tasks common to both, any task periodic differences are flagged.
- for tasks common to both, any task duration differences are flagged.

Additionally:

- ensure that the working timeline file not sccs editable (so the version being differenced is correct)..

FEATURES NOT TESTED
Notes within the GREAS section are NOT flagged. Changes in task start times are not flagged.

TESTS
one: see Attachment **E** for diff_osl.report listing as well as warning if .osl is editable.

OVERALL PASS FAIL CRITERION
If the diff_osl.report file flags all the Features Tested, then the test passes.

RESULTS: **PASSED**

3.3 OSL interpretator

OVERVIEW
The MOC uses PERL in which to develop a user friendly timeline interpretation tool to parse out and verify the contents of the GREAS formatted (.osl) file into seven more readable files, plus one web-formatted file for each unique GREAS task id. The seven sectionalized output files are: calendar events (.cal), resources (.res), task title listing (.lis), task requirements (.req), tasks to be scheduled (.sch), solution (.sol), and clock summary (.clk).

PROCEDURE - regression test

1. Following 3.2, change name of GREAS to GREAS_OSLint_v1.2 in DIFF/CURRENT/.
2. Run v1.1 of OLSint.pl.
3. Use UNIX diff on the .sol files.
4. Copy screen results.

SEE ATTACHMENT A FOR DETAILS.

SUCCESS CRITERIA

Passes if UNIX diff shows no differences.

RESULTS: **PASSED**

4. OVERALL RESULTS: PASSED

FLOAT OF SCH-2003274.sol

```
2003:274:06:41:23 D      01:03:50  (L +        25:56)  09998 - ORBG00_GPB_in_Sunlight
2003:274:06:43:55 D         13:52  (L + 130:02:27:28)  09039 - ORBG00_TDW_in_view_with_GPB_Aft_Antenna
2003:274:06:45:10 D         01:00  (L +        29:43)  00139 - FSWG00_Stop_CCCA_Dump_SPCP-M
2003:274:06:45:11 D         01:00  (L +        29:44)  00140 - FSWG00_Stop_SPCP-M
2003:274:06:45:29 D         56:31  (L + 130:02:29:02)  09034 - ORBG00_TD275_in_view_with_GPB_Fwd_Antenna
2003:274:07:01:20 D         04:20  (L +        45:53)  09999 - ORBG00_GPB_over_South_Atlantic_Anomaly
2003:274:07:17:55 D             1  (L +     01:02:28)  00141 - GNDR00_Open_RAV_4A_4B_CSTOL
2003:274:07:17:55 D            17  (L +     01:02:28)  00320 - DELG00_Stage_2_Burn_2
2003:274:07:18:47 D         03:20  (L +     01:03:20)  00560 - DELG00_Orient_Second_Stage_at_Guide_Star
2003:274:07:22:16 D         01:00  (L +     01:06:49)  00142 - FSWG00_Deploy_Solar_Arrays_SPCP-E
2003:274:07:27:21 D      01:02:26  (L +     01:11:54)  09997 - ORBG00_Guide_Star_Valid
2003:274:07:28:47 D         01:40  (L +     01:13:20)  00460 - DELG00_Delta_2_Rollrate_to_1_tenth_rpm
2003:274:07:29:42 D         12:09  (L +     01:14:15)  00470 - ORBG00_First_Svalbard_Norway_Contact
2003:274:07:30:27 D            42  (L +     01:15:00)  00600 - DELG00_Separate_from_Second_Stage
2003:274:07:30:57 D         01:00  (L +     01:15:30)  00143 - FSWG00_ARP_Release_SPCP-E
2003:274:07:31:10 D      01:00:18  (L + 130:03:14:43)  09039 - ORBG00_TDW_in_view_with_GPB_Aft_Antenna
2003:274:07:31:58 D         01:00  (L +     01:16:31)  00144 - FSWG00_Set_Mass_Flow_To_6.5e-6_SPCP-F
2003:274:07:32:00 D         01:00  (L +     01:16:33)  00145 - FSWG00_Switch_To_ATC_Format_SPCP-F
2003:274:07:32:03 D         01:00  (L +     01:16:36)  00146 - FSWG00_Start_Attitude_Capture_SPCP-F
2003:274:07:32:05 D         01:00  (L +     01:16:38)  00147 - FSWG00_Pwr_On_Star_Sensors_SPCP-F
2003:274:07:35:07 D         01:00  (L +     01:19:40)  00148 - FSWG00_Pyro_Valves_1a,3a,1b,3b_Enable_Battery_Htrs_ECU_Htrs_SR
E_Htrs_GSS_Htrs_SPCP-E
2003:274:07:35:14 D         01:00  (L +     01:19:47)  00149 - FSWG00_Stop_SPCP-E
2003:274:07:38:50 D         01:00  (L +     01:23:23)  00150 - FSWG00_Max_Time_Allowed_for_Turniong_On_SS_SPCP-F
2003:274:07:38:51 D         01:00  (L +     01:23:24)  00151 - FSWG00_ATC_Safemode_Enable_SPCP-F
2003:274:07:38:57 D         01:00  (L +     01:23:30)  00152 - FSWG00_Wait_for_30min_SPCP-F
2003:274:07:40:26 D      07:20:35  (L +     01:24:59)  00202 - PONG00_002
2003:274:07:40:27 D         01:40  (L +     01:25:00)  02101 - GNDG00_IOC002_32kFmt_216_IOC
2003:274:07:40:28 D         01:00  (L +     01:25:01)  02701 - CDHC00_Select_slot5_for_32K_SSR
2003:274:07:42:09 D            25  (L +     01:26:42)  21199 - ATCI00_Enable_Roll_Angle_Data_Filter
2003:274:07:42:36 D      02:28:51  (L +     01:27:09)  00701 - SUMG00_Power_Up_Payload
2003:274:07:42:37 D            35  (L +     01:27:10)  00430 - GPSC00_SideA_B_PowerOn
2003:274:07:43:14 D             2  (L +     01:27:47)  00385 - SREC00_Aft_SRE_A_Oscillator_Power_On
2003:274:07:43:14 D         06:55  (L +     01:27:47)  00450 - GPSC00_Initialize_GPS
2003:274:07:43:14 D         12:00  (L +     01:14:15)  00470 - ORBG00_GN_FWD_in_contact_with_GPB
2003:274:07:43:18 D             2  (L +     01:27:51)  20111 - SREC00_Init_Global_Variables
2003:274:07:43:22 D         01:00  (L +     01:27:55)  20886 - FSWC00_GV_initial_settings
2003:274:07:44:24 D            30  (L +     01:28:57)  20112 - SREC00_SQUID_Health_cks_db_tables_update
2003:274:07:44:56 D         01:40  (L +     01:29:29)  00420 - SREC00_Aft_SRE_A_Power_On
2003:274:07:51:36 D         05:00  (L +     01:36:09)  00400 - ECUC00_ECU_A_Power_ON_RT7
2003:274:07:56:30 D         09:29  (L +     01:14:15)  00470 - ORBG00_GN_AFT_in_contact_with_GPB
2003:274:07:56:38 D         01:00  (L +     01:41:11)  21047 - ECUC00_Vac_Gage_On
2003:274:07:57:40 D         01:00  (L +     01:42:13)  20885 - FSWI00_Payload_Safemode_Remove_Mask_All
2003:274:07:58:42 D             2  (L +     01:43:15)  20108 - FSWC00_Enable_SRE_Aliveness_10Hz_Test
2003:274:07:58:46 D             5  (L +     01:43:19)  20109 - FSWC00_Enable_SRE_Aliveness_1Hz_Test
2003:274:07:58:53 D             2  (L +     01:43:26)  20110 - FSWC00_Enable_SRE_TRE_PP_Rsbls_Test
2003:274:07:58:57 D             2  (L +     01:43:30)  20177 - FSWC00_Enable_ECU_Aliveness_Test
```

SOCES - Attachment A, page 1 of 2

```
2003:274:07:58:57 D           45  (L +     01:43:30)  00480 - SREC00_Init_Auto_Start_of_Forward_SRE_A
2003:274:07:59:01 D            2  (L +     01:43:34)  20241 - FSWC00_Enable_QBS_Temperature_Check
2003:274:07:59:44 D           45  (L +     01:44:17)  00500 - SREC00_Init_Auto_Start_of_Forward_SRE_B
2003:274:08:01:29 D        22:45  (L +     01:46:02)  00490 - SREC00_Act_Elect_Temp_Control_Fwd_SRE_A
2003:274:08:09:26 D        23:45  (L + 130:03:52:59)  09048 - ORBG00_TD171_in_view_with_GPB_Aft_Antenna
2003:274:08:10:00 D        20:00  (L +     01:14:15)  00470 - ORBG00_SN_in_contact_with_GPB
2003:274:08:19:01 D     01:03:50  (L +     02:03:34)  09998 - ORBG00_GPB_in_Sunlight
```

SOCCOS - Attachment A, page 2 of 2

/home/pmcgown/GREAS/EXEC/SCH-2003274.sol
/home/pmcgown/GREAS/EXEC/TASKs-2003_137_00_07_07.RPT

Task Start	COUNT DOWN	Task Duration	TASKs	Sys	T##	Description
274:06:15:26	-137:06:08:19	D 1	00104	DEL	G	Liftoff
274:06:15:26	-137:06:08:19	D 01:04	00107	DEL	G	Ground_lit_solid_rocket_motor_burn
274:06:15:26	-137:06:08:19	D 04:23	00102	DEL	G	Main_Engine_Burn
274:06:15:26	-137:06:08:19	D 36:42	09997	GSV	G	Guide_Star_Valid
274:06:15:26	-137:06:08:19	D 01:25:00	00201	PIN	G	001
274:06:16:32	-137:06:09:25	D 01:04	00108	DEL	G	Air_lit_solid_rocket_motor_burn
274:06:19:56	-137:06:12:49	D 1	00160	DEL	G	Blow_stage_1_and_2_separation_bolts
274:06:20:04	-137:06:12:57	D 06:48	00180	DEL	G	Stage_2_Burn_1
274:06:20:07	-137:06:13:00	D 5	00200	DEL	G	Fairing_jettison
274:06:26:52	-137:06:19:45	D 51:03	00300	DEL	G	Hohmman_Transfer_Orbit
274:06:41:23	-137:06:34:16	D 36:32	00301	DEL	G	Stage_2_Coast_Phase_BBQ_Maneuver
274:06:41:23	-137:06:34:16	D 01:03:50	09998	SUN	G	GPB_in_Sunlight
274:06:43:55	-137:06:36:48	D 13:52	09039	VIS	G	TDW_with_GPB_Aft_Antenna
274:06:45:29	-137:06:38:22	D 56:31	09034	VIS	G	TD275_with_GPB_Fwd_Antenna
274:07:01:20	-137:06:54:13	D 04:20	09999	SAA	G	GPB_over_South_Atlantic_Anomaly
274:07:17:55	-137:07:10:48	D 17	00320	DEL	G	Stage_2_Burn_2
274:07:18:47	-137:07:11:40	D 03:20	00560	DEL	G	Orient_Second_Stage_at_Guide_Star
274:07:27:21	-137:07:20:14	D 01:02:26	09997	GSV	G	Guide_Star_Valid
274:07:28:47	-137:07:21:40	D 01:40	00460	DEL	G	Delta_2_Rollrate_to_1_tenth_rpm
274:07:29:42	-137:07:22:35	D 12:09	00470	ORB	G	First_Svalbard_Norway_Contact
274:07:30:27	-137:07:23:20	D 42	00600	DEL	G	Separate_from_Second_Stage
274:07:31:10	-137:07:24:03	D 01:00:18	09039	VIS	G	TDW_with_GPB_Aft_Antenna
274:07:40:26	-137:07:33:19	D 07:20:35	00202	PON	G	002
274:07:43:14	-137:07:36:07	D 12:00	00470	TRK	G	GN_FWD
274:07:56:30	-137:07:49:23	D 09:29	00470	TRK	G	GN_AFT
274:08:09:26	-137:08:02:19	D 23:45	09048	VIS	G	TD171_with_GPB_Aft_Antenna
274:08:10:00	-137:08:02:53	D 20:00	00470	TRK	G	SN
274:08:19:01	-137:08:11:54	D 01:03:50	09998	SUN	G	GPB_in_Sunlight
274:08:22:18	-137:08:15:11	D 59:13	09034	VIS	G	TD275_with_GPB_Fwd_Antenna
274:08:36:47	-137:08:29:40	D 09:37	09999	SAA	G	GPB_over_South_Atlantic_Anomaly

Flocos - Attachment B, page 1 of 2

/home/pmcgown/GREAS/EXEC/SCH-2003274.sol
/home/pmcgown/GREAS/EXEC/TASKs-2003_137_00_05_51.RPT

Task Start	COUNT DOWN	Task Duration	TASKs	Sys	T##	Description
274:06:15:26	-137:06:09:35	D 1	00104	DEL	G	Liftoff
274:06:15:26	-137:06:09:35	D 01:04	00107	DEL	G	Ground_lit_solid_rocket_motor_burn
274:06:15:26	-137:06:09:35	D 04:23	00102	DEL	G	Main_Engine_Burn
274:06:15:26	-137:06:09:35	D 36:42	09997	GSV	G	Guide_Star_Valid
274:06:15:26	-137:06:09:35	D 01:25:00	00201	PIN	G	001
274:06:16:32	-137:06:10:41	D 01:04	00108	DEL	G	Air_lit_solid_rocket_motor_burn
274:06:19:56	-137:06:14:05	D 1	00160	DEL	G	Blow_stage_1_and_2_separation_bolts
274:06:20:04	-137:06:14:13	D 06:48	00180	DEL	G	Stage_2_Burn_1
274:06:20:07	-137:06:14:16	D 5	00200	DEL	G	Fairing_jettison
274:06:26:52	-137:06:21:01	D 51:03	00300	DEL	G	Hohmman_Transfer_Orbit
274:06:41:23	-137:06:35:32	D 36:32	00301	DEL	G	Stage_2_Coast_Phase_BBQ_Maneuver
274:06:41:23	-137:06:35:32	D 01:03:50	09998	SUN	G	GPB_in_Sunlight
274:07:01:20	-137:06:55:29	D 04:20	09999	SAA	G	GPB_over_South_Atlantic_Anomaly
274:07:17:55	-137:07:12:04	D 17	00320	DEL	G	Stage_2_Burn_2
274:07:18:47	-137:07:12:56	D 03:20	00560	DEL	G	Orient_Second_Stage_at_Guide_Star
274:07:27:21	-137:07:21:30	D 01:02:26	09997	GSV	G	Guide_Star_Valid
274:07:28:47	-137:07:22:56	D 01:40	00460	DEL	G	Delta_2_Rollrate_to_1_tenth_rpm
274:07:29:42	-137:07:23:51	D 12:09	00470	ORB	G	First_Svalbard_Norway_Contact
274:07:30:27	-137:07:24:36	D 42	00600	DEL	G	Separate_from_Second_Stage
274:07:40:26	-137:07:34:35	D 07:20:35	00202	PON	G	002
274:07:42:09	-137:07:36:18	D 25	21199	ATC	I	Enable_Roll_Angle_Data_Filter
274:07:43:14	-137:07:37:23	D 12:00	00470	TRK	G	GN_FWD
274:07:56:30	-137:07:50:39	D 09:29	00470	TRK	G	GN_AFT
274:08:10:00	-137:08:04:09	D 20:00	00470	TRK	G	SN
274:08:19:01	-137:08:13:10	D 01:03:50	09998	SUN	G	GPB_in_Sunlight
274:08:36:47	-137:08:30:56	D 09:37	09999	SAA	G	GPB_over_South_Atlantic_Anomaly
274:08:40:00	-137:08:34:09	D 15:00	00470	TRK	G	SN
274:09:05:00	-137:08:59:09	D 01:02:26	09997	GSV	G	Guide_Star_Valid
274:09:56:39	-137:09:50:48	D 01:03:51	09998	SUN	G	GPB_in_Sunlight
274:10:12:19	-137:10:06:28	D 15:32	09999	SAA	G	GPB_over_South_Atlantic_Anomaly

SOGOS - Attachment B, page 2 of 2

TV1.9

S0605 - Attachment C
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==>> P = 2003:136:23:42:21 /home/pmcgown/GREAS/EXEC/tvtest.ps
I = 2003:136:23:40:25 /home/pmcgown/GREAS/EXEC/SCH-2003274.sol

lines=075 - page=01 (of 02)
launch = 2003:274:06:15:27

MET + 00:44:33 | MET + 01:44:33 | MET + 02:44:33

274:07:00:00 | 274:07:30:00 | 2003:274:08:00:00 | 274:08:30:00 | 274:09:00:00

SUN 064123-074513
SUN 081901-092251
GSV 072721-082947
070120-070540
083647-084624
SN 081000-083000
SN 084000-085500
GN_FWD 074314-075514
GN_AFT 075630-080559
PIN_001 061526-074026
PON_002 074026-150101

062652-071755 00300 DEL G Hohmman_Transfer_Orbit
064123-071755 00301 DEL G Stage_2_Coast_Phase_BBQ_Maneuver
071755-071756 00141 GND R Open_RAV_4A_4B_CSTOL
071755-071812 00320 DEL G Stage_2_Burn_2
071847-072207 00560 DEL G Orient_Second_Stage_at_Guide_Star
072216-072316 00142 FSW G Deploy_Solar_Arrays_SPCP-E
072847-073027 00460 DEL G Delta_2_Rollrate_to_1_tenth_rpm
072942-074151 00470 ORB G First_Svalbard_Norway_Contact
073027-073109 00600 DEL G Separate_from_Second_Stage
073057-073157 00143 FSW G ARP_Release_SPCP-E
073158-073258 00144 FSW G Set_Mass_Flow_To_6.5e-6_SPCP-F
073200-073300 00145 FSW G Switch_To_ATC_Format_SPCP-F
073203-073303 00146 FSW G Start_Attitude_Capture_SPCP-F
073205-073305 00147 FSW G Pwr_On_Star_Sensors_SPCP-F
073507-073607 00148 FSW G Pyro_Valves_1a,3a,1b,3b_Enable_Battery_Htrs_ECU_Htrs_SRE_Htrs_GSS_Htrs_SPCP-E
073514-073614 00149 FSW G Stop_SPCP-E
073850-073950 00150 FSW G Max_Time_Allowed_for_Turniong_On_SS_SPCP-F
073851-073951 00151 FSW G ATC_Safemode_Enable_SPCP-F
073857-073957 00152 FSW G Wait_for_30min_SPCP-F
074027-074207 02101 GND G IOC002_32kFmt_216_IOC
074028-074128 02701 CDH C Select_slot5_for_32K_SSR
074209-074234 21199 ATC I Enable_Roll_Angle_Data_Filter
00701 SUM G Power_Up_Payload 074236-101127
074237-074312 00430 GPS C SideA_B_PowerOn
074314-074316 00385 SRE C Aft_SRE_A_Oscillator_Power_On
074314-075009 00450 GPS C Initialize_GPS
074318-074320 20111 SRE C Init_Global_Variables
074322-074422 20886 FSW C GV_initial_settings
074424-074454 20112 SRE C SQUID_Health_cks_db_tables_update
074456-074636 00420 SRE C Aft_SRE_A_Power_On
075136-075636 00400 ECU C ECU_A_Power_ON_RT7

TV1.4

S0605 - Attachment C
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==>> P = 2003:136:23:43:36 /home/pmcgown/GREAS/EXEC/tvtest2.ps
I = 2003:136:23:40:25 /home/pmcgown/GREAS/EXEC/SCH-2003274.sol

lines=021 - page=01 (of 01)
launch = 2003:274:06:15:27

MET + 00:44:33 | 274:07:00:00
274:07:30:00
MET + 01:44:33 | 2003:274:08:00:00
274:08:30:00
MET + 02:44:33 | 274:09:00:00

SUN 064123-074513
SUN 081901-092251
GSV 072721-082947
070120-070540
083647-084624
SN 081000-083000
SN 084000-085500
GN_FWD 074314-075514
GN_AFT 075630-080559

062652-071755 00300 DEL G Hohmman_Transfer_Orbit
064123-071755 00301 DEL G Stage_2_Coast_Phase_BBQ_Maneuver
064529-074200 09034 VIS G TD275_with_GPB_Fwd_Antenna
071755-071812 00320 DEL G Stage_2_Burn_2
071847-072207 00560 DEL G Orient_Second_Stage_at_Guide_Star
072847-073027 00460 DEL G Delta_2_Rollrate_to_1_tenth_rpm
073027-073109 00600 DEL G Separate_from_Second_Stage
09039 VIS G TDW_with_GPB_Aft_Antenna 073110-083128
09048 VIS G TD171_with_GPB_Aft_Antenna 080926-083311
09034 VIS G TD275_with_GPB_Fwd_Antenna 082218-092131

PV1-4

50605 - Attachment D, page 1 of c

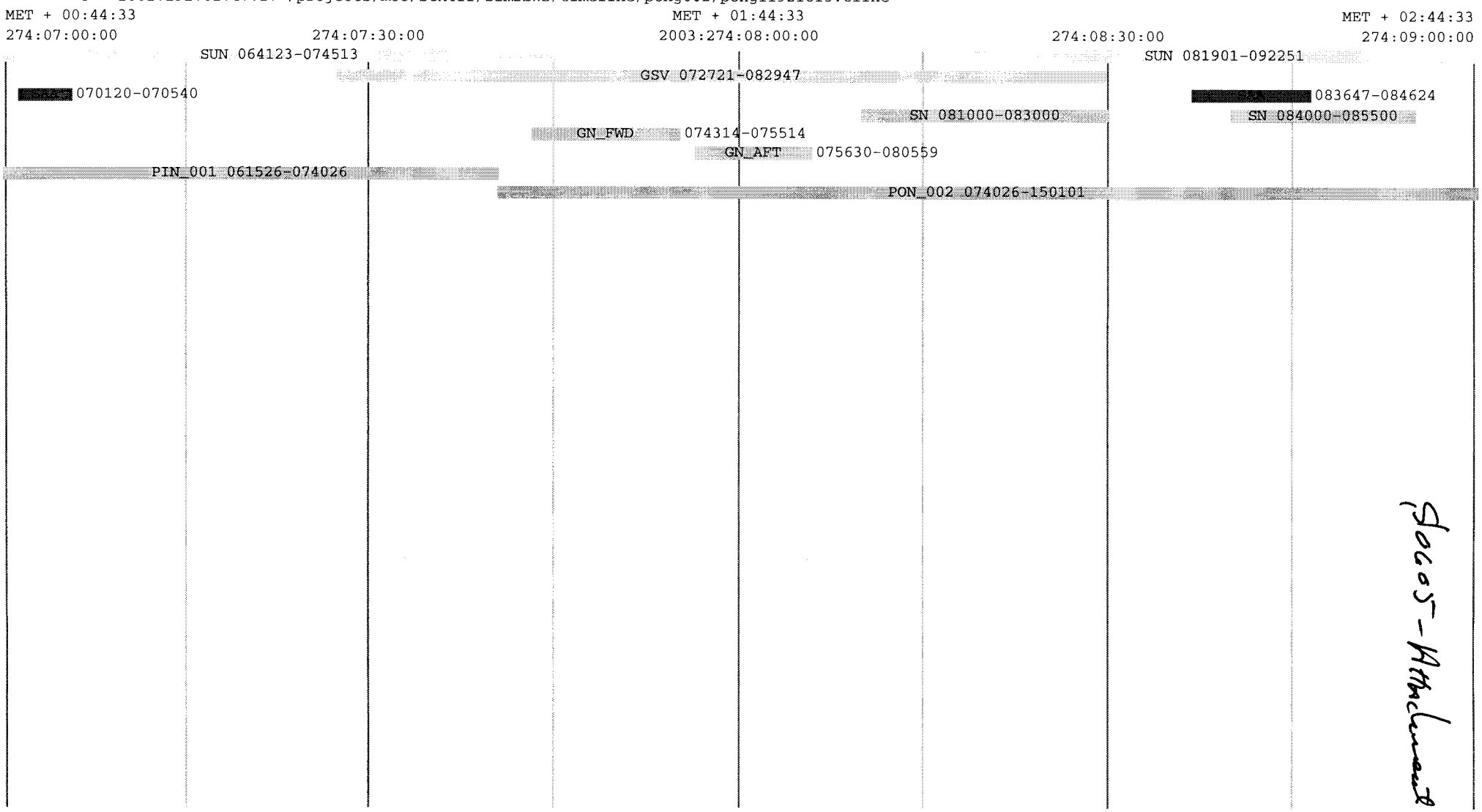
```
==>> P = 2003:136:23:44:41 /home/pmcgown/GREAS/EXEC/pvtest1.ps          lines=036 - page=01 (of 01)
     I = 2003:136:23:40:25 /home/pmcgown/GREAS/EXEC/SCH-2003274.sol     launch = 2003:274:06:15:27
     T = 2001:192:02:47:17 /projects/moc/stk411/sim2bWS/timeline/pong002/pong11921815.tline
MET - 811:12:15:27                    MET - 811:09:15:27                       MET - 811:06:15:27
192:18:00:00        192:19:30:00      2001:192:21:00:00       192:22:30:00     193:00:00:00

181500-181535 [B 7526-7540] 10051 GPS C SideA_B_PowerOn
181535-182230 [B 7541-7543] 10053 GPS C Initialize_GPS
182230-183235 [B 7544-7555] 10016 FSW C CCCA_EEPROM_Memory_Dump
182730-182731 [C 16479-16481] 10075 CDH P Switch_To_Science_Format_For_SSR_Record
183506-183516 [B 7557-7566] 10033 FSW C SSR_MSS_Copy3_Memory_Dump
184352-184354 [B 7567-7572] 10046 SRE C Aft_SRE_A_Oscillator_Power_On
184854-185004 [B 7573-7583] 10049 SRE C Aft_SRE_A_Initialization
185006-185036 [B 7584-7639] 10078 ECU C ECU_A_Power_ON
185038-190038 [B 7640-7784] 10076 GSS C Activate_GSS1_for_Test_Mode
185354-185404 [C 7785-7797] 10067 SRE C SQUID_Normal_Mode_Select_All
185854-185900 [C 7798-7806] 10069 SRE C FFT_Processing_Enable_All
190354-191854 [B 7807-7852] 10048 ECU C ECU_Initialization
195506-195521 [B 7853-7864] 10542 FSW C SSR_MSS_Memory_Dump_TurnOff
195523-195703 [B 7865-7898] 10077 GSS C GSS1_Test_Data_Mode_with_Output
195606-195616 [C 7899-7911] 10059 SRE C Perform_FFT_Snapshots
195706-195716 [B 7912-7923] 10062 SRE C Disable_FFT_Snapshots
200416-200418 [B 7924-7929] 10073 SRE C Science_Lowpass_Filt_Enable
200428-200430 [B 7930-7935] 10071 SRE C Science_Slope_Enable
200440-202120 [B 7936-8082] 10022 CDH C CCCA_DB_readout_Part1
202320-202350 [B 8083-8090] 10082 ECU C ECU_PID_All_Applications_ON
[B 8091-8092] 10057 FSW C Idle_05_minutes 224000-224500
[M 7518-7525] 99999 FSW Z Branch_to_PING_or_PONG 224501-224601
```

PV1-4

==>> P = 2003:136:23:46:46 /home/pmcgown/GREAS/EXEC/pvtest2.ps
I = 2003:136:23:40:25 /home/pmcgown/GREAS/EXEC/SCH-2003274.sol
T = 2001:192:02:47:17 /projects/moc/stk411/sim2bWS/timeline/pong002/pong11921815.tline

lines=014 - page=01 (of 01)
launch = 2003:274:06:15:27



Docs - Attachment W, page 2 of 2

SOGOS - Attachment E, pg 1/2

```
diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5/timeline/diff_osl_tst
diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5/timeline/diff_osl_tst
diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5/timeline/diff_osl_tst

ran on Thu May 29 05:56:49 GMT 2003
ran on Thu May 29 05:56:49 GMT 2003

/apps/supported/scripts/diff_osl ran from moc-stk.nascom.nasa.gov
/apps/supported/scripts/diff_osl version is 1.8

---------------------------- LOCAL  OSL FILE -------------------------

SCCS/s.flx14_part1.osl: 14.8 03/05/29 ron

---------------------------- PARENT OSL FILE -------------------------
Parent OSL File Path: /net/moc-server.nascom.nasa.gov/export/moc-server_1/projects/moc/s
tk43/mp_test/2003_145_tl1.3test_rjs/timeline/flx14_part1.osl

SCCS/s.flx14_part1.osl: 14.7 03/05/29 ron


---------------------------- SUMMARY        --------------------------

      1 ./onlyinCURRENT
      1 ./onlyinPARENT
    212 ./inBOTH
    214 total

-rw-r--r--   1 ron     users       803 May 29 05:56 ./differences_inBOTH
-rw-r--r--   1 ron     users         8 May 29 05:56 ./onlyinCURRENT
-rw-r--r--   1 ron     users         8 May 29 05:56 ./onlyinPARENT

---------------------------- onlyinCURRENT  --------------------------

21592.0                                                    <- Added task

---------------------------- onlyinPARENT  --------------------------

21580.0                                                    <- Deleted Task

---------------------------- differences in BOTH   ------------------

09002.0 CURRENT :
ERn: NotDuring - EVENT=00002  (Aft Antenna to Ground Network Scheduled Contacts)   ) Event Constraint Chg
.. != . PARENT:
ERn: During - EVENT=00002  (Aft Antenna to Ground Network Scheduled Contacts)

21513.0 CURRENT :
01:40 = FixedDuration      ) Duration Chg
.. != . PARENT:
06:55 = FixedDuration

21586.0 CURRENT :
TRn: StartsAtStart of TASK=21514  (GSSC00_gx2xx_SM_Backup_to_SM_Digital_w_Snapshot)   ) Task Constraint Chg
.. != . PARENT:
TRn: StartsAfterStop of TASK=21585  (ECUC00_Turn_LV1_Heater_Off)
            MinOffset      = 2
            MaxOffset      = 2

21591.0 CURRENT :
Type                 = Time         ) Periodic Chg
Duration             = 01:00:00
Repeat               = 2
Separation           = 09:00

.. != . PARENT:
Type                 = Time
Duration             = 01:00:00
Repeat               = 2
Separation           = 10:00

-------------------------------------------------------------------------
         DIFFERENCES NEEDED TO BE SIGNED-OFF
```

SOGG5 - Attachment F, p 2 of 2

```
{1} cd ~/stk43/mp_test/
{2} ls
2003_145_rjs5/
{3} cd 2003_145_rjs5/
{4} ls
Codemgr_wsdata/ scenario/       timeline/
{5} cd timeline/
{6} ls
003ping_t5/             GPBOPS1_DATA2WEB_PATH  SCCS/
flx14_part1.osl         launch_date            temp2procWdur.txt
{7} sccs edit flx14_part1.osl
14.6
new delta 14.7
49651 lines
{8} mkdir diff_osl_tst
{9} cd !$
cd diff_osl_tst
{10} diff_osl
****************************************
ERROR: files in ../  are sccs editable *
****************************************
```

50605 - Attachment A, page 1 of 1

```
{91} date
Thu May 29 06:14:32 GMT 2003
{92} pwd
/home/ron/stk43/mp_test/2003_145_rjs5/timeline/diff_osl_tst/DIFF/CURRENT
{93} ls
flx14_part1.osl      GREAS_OSLint.pl_1.1/ GREAS_OSLint.pl_1.2/ launch_date
{94} diff GREAS_OSLint.pl_1.1/flx14_part1/flx14_part1.sol GREAS_OSLint.pl_1.2/fl
{95} h
```

NO Differences!

```
    65  5:50    diff_osl
    66  5:57    cd DIFF/
    67  5:57    ls
    68  5:57    printps2 diff_osl.report
    70  6:05    cd CURRENT/
    72  6:05    mv GREAS/ GREAS_OSLint.pl_1.2
    76  6:07    /apps/supported/timeline-1.2/src/OSLint.pl flx14_part1.osl `cat
    91  6:14    date
    92  6:14    pwd
    93  6:14    ls
    94  6:15    diff GREAS_OSLint.pl_1.1/flx14_part1/flx14_part1.sol GREAS_OSLin
    95  6:15    h
{96} version /apps/supported/scripts/OSLint.pl
version of "/apps/supported/scripts/OSLint.pl":   1.2
{97} version /apps/supported/timeline-1.2/src/OSLint.pl
version of "/apps/supported/timeline-1.2/src/OSLint.pl":      1.1
```