

W.W. Hansen Experimental Physics Laboratory
STANFORD UNIVERSITY
STANFORD, CA 94305 - 4085

Gravity Probe B Relativity Mission

MCR#50 Test Report, MA tools and Solaris Patch

S0763 Rev A
6/1/03

Approvals

	SIGNATURE	DATE
Ron Sharbaugh SU, MOC S/W Manager	<i>Ron Sharbaugh</i>	6/25/03
Jeff Wade SU, Systems Network and Security Mgr	<i>Jeff R Wade</i>	7/3/03
Marcie Smith SU, MOC Project Manager	<i>Marcie Smith</i>	7 July 03
Kelly Burlingham SU, S/W QA	<i>Kelly Burlingham</i>	7/3/04

ITAR Assessment Performed, ITAR Control Req'd? Yes ___ No ___:

Tom Langenstein

History

REV	DATE	AUTHOR	COMMENTS
-	1/30/03	rjs	Initial release
A	6/1/03	rjs	Change to be report for MA tools on moc-server

1. INTRODUCTION

MCR #50 approved the upgrade of MA tools to support Solaris on the bastion host. Added to this upgrade, 5.8 patches were included to support the new blade computers.

This document details the testing which was done to verify these upgrades on moc-server.

The results are summarized in Appendix A (page 5) of this document.

1.1 Organization

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```
Oct 15 2001 solaris_crash_analysis -> solaris_crash_analysis-1.6/
Oct 15 2001 sslwrap -> sslwrap-2.0.5/
Oct 15 2001 stunnel -> stunnel-3.8p2/
Oct 15 2001 sudo -> sudo-1.5.4/
Oct 15 2001 swatch -> swatch-2.2/
May 31 23:55 switcharoo -> switcharoo-1.0b1/
Oct 15 2001 sysinfo -> sysinfo-3.4/
Oct 15 2001 tcp_wrappers -> tcp_wrappers_7.6ipv6.1/
Mar 19 2002 tcpdump -> tcpdump-3.5.2/
Mar 19 2002 tcpslice -> tcpslice-1.1a3/
Mar 19 2002 tcptrace -> tcptrace-5.2.1/
Jun 1 21:10 tightvnc -> tightvnc-1.2.8/
Mar 19 2002 traceroute -> traceroute-1.4a4/
Oct 15 2001 tripwire -> tripwire-1.3.1/
Jun 1 22:43 vnc -> tightvnc/
Oct 15 2001 watcher -> watcher-1.3/
Jun 1 21:10 whatabout -> whatabout-1.0/
Mar 10 2002 wu-ftpd -> wu-ftpd-2.6.2/
Oct 15 2001 wwwstat -> wwwstat-2.01a/
*****
***** unsupported/
Oct 15 2001 buffer -> buffer-1.19/
Oct 15 2001 conf -> conf-1.7/
Oct 15 2001 doc++ -> doc++-3.01/
Oct 15 2001 dxpc -> dxpc-3.7.0/
Oct 15 2001 encl.uudecode -> encl.uudecode-1.0/
Oct 15 2001 internet_explorer -> internet_explorer-4.01/
Oct 15 2001 LOCAL_INSTALLATION_NOTES -> ../supported/apptools/doc/apps/unsupported/LOCAL_INSTALLATION_NOTES
Oct 15 2001 macutil -> macutil-2.0b3/
Oct 15 2001 mcvert -> mcvert-2.16/
Oct 15 2001 nc -> nc-1.10/
Oct 15 2001 socket -> socket-1.1/
Oct 15 2001 tcad -> tcad-3.0/
Oct 15 2001 transfig -> transfig-3.2/
Oct 15 2001 unzip -> unzip-5.4.0/
Oct 15 2001 udevview -> udevview-0.5.13/
Oct 15 2001 xfig -> xfig-3.2/
Oct 15 2001 xmodem -> xmodem.3.10/
Oct 15 2001 zip -> zip-2.2/
{17} ****
```

• Section 8. TEST RESULTS 4

2. APPLICABLE DOCUMENTS

Document	Document No.	Alias
POD H/W and S/W Configuration	S0475	PODCONF
MOC Configuration Control, IONET LAN	S0476	IONETCONF
MOC Configuration Control, Science LAN	S0477	SCIENCECONF

3. COTS SOFTWARE

The following list of COTS S/W needs tested for MCR#50:

COTS S/W	Version	Licenses/ Seats
Solaris (non-POD):	2.8	1 ea. cpu/unlimited
STK	4.3	1/1
GREAS	4.2.1	1/1
IDL	5.4	1/10
java	1.4.1	n/a
jeconnect	5_2	n/a
Sybase client	11.9.2	free/unlimited
OASIS	see PODCONF	unlimited
FASTCOPY	2.5	1/1

3.1 Solaris Operating System

TEST:

JUMP START: a Blade.

NTP: show still working.

NETSCAPE: show new netscape version 7 fires-up.

3.2 STK

TEST: pass if STK loads latest scenario.

3.3 GREAS

REGRESSION: use GREAS to re-schedule a current '.osl' file on old & new systems, then use OSLint to create new '.sol' files for each. Pass if no differences between OSLint output files from both systems.

3.4 IDL - NO TEST

IDL not released until tcad-1.8 is ported to moc-server.

3.5 java

TEST: pass if swsi operational on moc-server.

```
Oct 15 2001 pine -> pine-3.95/
Jun 1 21:09 popt -> popt-1.7/
Oct 15 2001 procmail -> procmail-3.21/
Oct 15 2001 ps2epsmac -> ps2epsmac-1.3/
Mar 19 2002 python -> python-1.5/
Mar 19 2002 sgml2html -> sgml2html-1.0/
Mar 19 2002 sgmltools-lite -> sgmltools-lite-3.0.3/
Mar 19 2002 sp -> sp-1.3.4/
Mar 19 2002 SpecTcl -> SpecTcl-1.1/
Mar 19 2002 swig -> swig-1.1p5/
Oct 15 2001 tcl -> tcl-8.0p2/
Oct 15 2001 tclX -> tclX-8.0.2/
May 31 23:55 tcsh -> tcsh-6.12.00/
Oct 15 2001 teTeX -> teTeX-1.0.6/
Jun 1 21:09 tiff -> tiff-3.5.7/
Nov 4 2002 timeline -> timeline-1.3/
Oct 15 2001 tk -> tk-8.0p2/
Oct 15 2001 top -> top-3.5beta12/
Oct 15 2001 traceroute -> traceroute-1.4a4/
Mar 19 2002 transfig -> transfig-3.2.3d/
May 21 18:39 Uplink_Tools -> /apps/supported/Uplink_Tools-1.9/
Jun 1 21:09 vim -> vim-6.1/
Oct 15 2001 webglimpse -> webglimpse-1.5/
Oct 15 2001 webrcs -> webrcs-1.02/
Oct 15 2001 wishWrapper -> wishWrapper-1.0.1/
Oct 15 2001 wishxWrapper -> wishxWrapper-1.0.1/
Jun 1 21:09 xanim -> xanim-2.80.1/
Oct 15 2001 Xaw3d -> Xaw3d-0.6B/
Jun 1 08:08 Xaw3d_X11R50 -> Xaw3d-0.6B/
Mar 19 2002 Xaw3d_X11R60 -> Xaw3d_X11R60-1.2/
Mar 19 2002 Xaw3d_X11R63 -> Xaw3d_X11R63-1.5/
Mar 19 2002 xfig -> xfig-3.2.3d/
Mar 19 2002 xlockmore -> xlockmore-4.02/
Oct 15 2001 xplot -> xplot-0.90/
Mar 19 2002 xpm -> xpm-3.4k/
Oct 15 2001 xv -> xv-3.10a/
Oct 15 2001 y2000 -> y2000-1.0/
Oct 15 2001 zmodem -> zmodem.3.03/
*****
***** sysadmin/
Oct 15 2001 apache -> apache_1.3.14/
Oct 15 2001 auto_install -> auto_install-1.6.1/
Jun 1 00:09 bind -> bind-8.3.4/
Oct 15 2001 byteorder -> byteorder-1.0/
Jun 1 00:02 clienttools -> clienttools-2.5.11/
Oct 15 2001 cracklib -> cracklib-2.7/
Jun 1 00:02 cronpkg -> cronpkg-2.4.11/
Jun 1 00:07 cyrus-sasl -> cyrus-sasl-2.1.12/
Oct 15 2001 egd -> egd-0.8/
Nov 17 2002 ethereal -> ethereal-0.9.7/
Oct 15 2001 fastfs -> fastfs-1.1/
Jun 1 00:07 fix-modes -> fix-modes-2.9/
Oct 15 2001 flc -> flc-1.12/
Apr 21 2002 flexlm -> flexlm-7.0/
Oct 15 2001 ifstatus -> ifstatus-2.2/
Oct 15 2001 imap -> imap-4.7c2/
Oct 15 2001 ip_filter -> ip_filter-3.4.14/
Oct 15 2001 jetadmin_pkg-d06 -> jetadmin_pkg-d06.21/
Mar 19 2002 libpcap -> libpcap-0.5.2/
Oct 15 2001 LOCAL_INSTALLATION_NOTES -> ../supported/apptools/doc/apps/sysadmin/LOCAL_INSTALLATION_NOTES
May 31 23:55 lsof -> lsof-4.64/
May 31 23:55 memconf -> memconf-1.50/
Jun 1 21:28 mysql -> mysql-3.23.52/
Oct 15 2001 nmap -> nmap-2.53/
Jun 1 21:28 nss_ldap -> nss_ldap-203/
Nov 17 2002 ntop -> ntop-1.3.1/
Apr 19 22:40 ntp -> ntp-4.1.1a/
Mar 10 2002 ntp-4.0.99m -> ntp-4.0.99m-rc1/
Jun 1 21:28 openldap -> openldap-2.1.16/
Jun 1 00:08 openssh -> openssh-3.6.1p1/
Jun 1 00:08 openssl -> openssl-0.9.7b/
Jun 1 21:28 pam_ldap -> pam_ldap-160/
Oct 15 2001 pidentd -> pidentd-2.7.4/
Oct 15 2001 popper -> popper-2.53/
Jun 1 21:28 postgresql -> postgresql-7.3.2/
Jun 1 00:07 pwaging -> pwaging_v1.01/
Jun 1 00:07 random -> random-0.7a/
Oct 15 2001 rdist -> rdist-6.1.5/
Oct 15 2001 rsaref -> rsaref-2.0/
May 31 23:55 rsync -> rsync-2.5.5/
Jun 1 00:12 samba -> samba-2.2.8a/
Jun 1 21:10 scsiinfo -> scsiinfo-4.7/
Oct 15 2001 scsimodepage -> scsimodepage-1.0/
Oct 15 2001 scsiping -> scsiping-2.0/
Apr 20 2002 sendmail -> sendmail-8.10.2/
Jun 1 00:02 servertools -> servertools-2.3.11/
```

3.6 Sybase Client

TEST: see 6.3 Timeline tools.

3.7 OASIS - NO TEST

This is only run on moc1 via EDT (LM GNDNRT), and this 5.6 system was not patched in this MCR.

3.8 FASTCOPY

TEST: pass if can run fastcopy to copy files locally on moc-server (only machine it is licensed for).

4. GOTS SOFTWARE

The following table lists the versions tracked by this document:

GOTS S/W	Version	Licenses/ Seats
SWSI	Build 4 Patch 02	unlimited

4.1 SWSI

SWSI is not due to be officially released til mid-June. Build 4 patch 02 requires java 1.4.1. Test passes if GUIs appear on screen.

5. LM DEVELOPED SOFTWARE

All LM S/W is constrained to Solaris 5.6. Timeline tools runs the LM GNDNRT S/W on moc1, and successful completion of the timeline tool testing will show the LM GNDNRT is functioning properly.

6. SU DEVELOPED SOFTWARE

SU developed S/W is a suite of many tools that reside on the moc-server:

SU Developed S/W	Path	Version (VDD)
TCAD	/apps/supported/lasp/	S0503
TQSM	/apps/supported/tqsm/	S0650
Timeline Visualization Tools	/apps/supported/timeline/	S0607
SSB	/home/ssb/bin/	S0783

6.1 TCAD/TDP- NO TEST

This will not be tested until v1.8 is migrated from science to the moc-server.

6.2 TQSM- NO TEST

This will not be tested until v1.2 is migrated from science to the moc-server.

6.3 Timeline tools

REGRESSION TEST

All of the timeline-1.3/src/ programs will be tested and pass if they run properly (note: these call LM GNDNRT S/W that runs on 5.6 moc1 - this was not patched). This will run the sybase client S/W.

```
Dec 16 2002 zlib -> zlib-1.1.4/
*****
***** lib/
*****
***** licensed/
Oct 15 2001 acrobat -> Acrobat_3.0/
Mar 31 2002 dataviews -> dataviews_9.7/
Nov 10 2001 idl -> idl_5.4/
Mar 13 2002 j2ee -> j2sdkee1.3.1_02/
Oct 15 2001 LOCAL_INSTALLATION_NOTES -> ../supported/apptools/doc/apps/licensed/LOCAL_INSTALLATION_NOTES
May 12 00:21 matlab -> matlab-6.5/
Jun 1 21:28 netscape -> netscape-4.79.irix6.mips/
Mar 30 2002 netscape-4.irix6.mips -> netscape-4.79.irix6.mips/
Mar 30 2002 netscape-4.sol2.sun4 -> netscape-4.79.sol2.sun4/
Oct 15 2001 oasis -> oasis-14.3a/
Mar 30 2002 rtworks -> rtworks40/
Feb 27 19:25 STK -> STK4.3/
Oct 15 2001 sunpro -> sunpro_v8n1/
Mar 31 2002 sybase -> sybase-11.9.2/
Oct 15 2001 transcript -> transcript-2.1/
*****
***** supported/
Mar 19 2002 appcert -> appcert-2.3/
May 31 23:56 apptools -> apptools-1.6.11/
Oct 15 2001 cdrecord -> cdrecord-1.6.1/
May 21 18:38 cmdgen -> /apps/supported/cmdgen-1.6/
May 21 18:39 data_reduction -> /apps/supported/data_reduction-3.4.0/
Jun 1 00:13 db -> db-4.1.25/
Jun 1 22:45 db3 -> db-3.3.11/
Jun 1 22:42 db4 -> db-4.1.25/
Oct 15 2001 ddd -> ddd-3.0.90/
Mar 19 2002 docbook -> docbook-4.1/
Mar 19 2002 docbook-stylesheets -> docbook-stylesheets-1.52/
Mar 19 2002 docbook_xml -> docbook_xml-4.1.2/
Mar 19 2002 docbooktools2X -> docbooktools2X-0.7.0/
Jun 1 00:07 elm -> elm-2.5.6/
Oct 15 2001 epstool -> epstool-1.0.2/
Oct 15 2001 event_view -> event_view-1.0/
Oct 15 2001 exmh -> exmh-2.5/
Jun 1 21:06 expat -> expat-1.95.6/
Oct 15 2001 expect -> expect-5.31/
Oct 15 2001 expectkWrapper -> expectkWrapper-1.0.1/
Mar 19 2002 fetchmail -> fetchmail-5.3.0/
Jun 1 00:07 filter -> filter-2.4/
Jun 1 21:06 freetype -> freetype-2.1.4/
Jun 1 21:06 gd -> gd-2.0.12/
Jun 1 21:06 ghostscript -> ghostscript-8.00/
Jun 1 21:06 gifmerge -> gifmerge-1.33/
Jun 1 21:06 gifsicle -> gifsicle-1.37/
Mar 19 2002 glib -> glib-1.2.10/
Oct 15 2001 glimpse -> glimpse-4.1/
Mar 19 2002 gnuplot -> gnuplot-3.7/
Mar 19 2002 gtk+ -> gtk+-1.2.10/
Jun 1 21:07 gtkdiff -> gtkdiff-1.0.2/
Oct 15 2001 gv -> gv-3.5.8/
Jun 1 21:07 ImageMagick -> ImageMagick-5.5.5.3/
Jun 1 21:07 imtools -> imtools-3.0/
Apr 24 2002 jConnect -> jConnect-5_2/
Mar 19 2002 jpeg -> jpeg-6.0b/
Oct 15 2001 kermit -> kermit-c.6.0.192/
May 31 23:56 keychain -> keychain-2.0.2/
Nov 13 2001 lasp -> lasp-1.5/
Jun 1 21:08 lcms -> lcms-1.09/
Jun 1 21:08 libmng -> libmng-1.0.5/
Jun 1 21:08 libpng -> libpng-1.2.5/
Jun 1 21:08 libxml2 -> libxml2-2.4.24/
Jun 1 21:09 libxslt -> libxslt-1.0.20/
Oct 15 2001 LOCAL_INSTALLATION_NOTES -> ../supported/apptools/doc/apps/supported/LOCAL_INSTALLATION_NOTES
May 31 23:56 login -> login-1.11.11/
May 31 23:56 MA_common -> MA_common-1.5.11/
Oct 15 2001 makeheader -> makeheader-2.91.no_libl/
Mar 19 2002 Mesa -> Mesa-3.4.2/
Oct 15 2001 metamail -> metamail_2.7/
Oct 15 2001 mkdepend -> mkdepend-1.0/
Oct 15 2001 mktime -> mktime-2.3/
Mar 19 2002 mpeg_encode -> mpeg_encode-1.5/
Mar 19 2002 mpeg_play -> mpeg_play-2.0/
Mar 19 2002 mpeg_tv -> mpeg_tv-1.0/
Oct 15 2001 mysql -> mysql-3.22.21/
Mar 19 2002 nas -> nas-1.4.2/
Oct 15 2001 nmh -> nmh-1.0.4/
May 21 18:39 OasisDR -> /apps/supported/OasisDR-3.4.0/
May 21 18:38 paramgen -> /apps/supported/paramgen-1.6/
May 31 23:55 pcre -> pcre-3.9/
Oct 15 2001 pgp -> pgp-2.6.2/
Oct 15 2001 pgplot -> pgplot-5.2/
```

6.4 SSB

TEST: passes if the daemon will be started and a VIEWssb client is started.

7. SOLARIS CONFIGURATION FILES - N/A

Those files listed in S0476 were not changed by this upgrade.

8. TEST RESULTS

See Appendix A for a summary of the test results.

See Appendix B for a listing of all the CSCI version numbers as of 4/30/03.

9. GLOSSARY

This section contains an alphabetic list and definitions of all acronyms used in the document, all proper nouns, and any words used in a non-standard way.

Word	Detail
GN	Ground Network
GOTS	Government Off The Shelf
ICD	Interface Control Document
IONET	GSFC private network which allows MOC to get data from ground stations.
LASP	Laboratory for Atmospheric and Space Physics, University of Colorado
MCR	MOC Change Request
MOC	Mission Operations Center
NIS	Network Information Services, part of Solaris UNIX.
NFS	Network File System
NTP	Network Time Protocol (a Internet standard)
PCB	Program Change Board
SAFS	Standard Autonomous File Server (GSFC facility)
science	Host name of the server which controls the "science" lan, see S0477.
TCAD	Telemetry Calibration Analysis and Display, a LASP product.

APPENDIX B

CSCI versions ON moc, 6/24/03

```
*{16} cat /tmp/apps_versions.txt
moc-crunch , Tue Jun 24 19:47:11 GMT 2003
*****
*****      gnu
Oct 15 2001 autoconf -> autoconf-2.13/
Oct 15 2001 automake -> automake-1.4/
Mar 19 2002 bash -> bash-2.03/
Oct 15 2001 binutils -> binutils-2.11/
Oct 15 2001 bison -> bison-1.28/
May 31 23:53 bzip2 -> bzip2-1.0.2/
Oct 15 2001 cvs -> cvs-1.11/
Oct 15 2001 cvsweb -> cvsweb-1.0/
Oct 15 2001 ddd -> ddd-3.3.1/
Mar 19 2002 dejagnu -> dejagnu-1.4.1/
Oct 15 2001 diffutils -> diffutils-2.7/
Oct 15 2001 egcs -> egcs-1.1b/
Oct 15 2001 elisp-manual -> elisp-manual-20-2.5/
Jun 1 21:04 elisp-manual-21 -> elisp-manual-21-2.8/
Jun 1 21:04 emacs -> emacs-21.3/
Mar 19 2002 emacs-lisp-intro -> emacs-lisp-intro-1.05/
Oct 15 2001 enscript -> enscript-1.5.0/
Oct 15 2001 fileutils -> fileutils-4.0/
Oct 15 2001 findutils -> findutils-4.1/
Oct 15 2001 flex -> flex-2.5.4a/
May 31 23:53 gawk -> gawk-3.1.1/
Oct 15 2001 gcc -> gcc-2.95.3/
Oct 15 2001 gcvs -> gcvs-1.0a6/
Oct 15 2001 gdb -> gdb-4.18/
Mar 19 2002 gdbm -> gdbm-1.8.0/
Jun 1 21:04 gettext -> gettext-0.11.5/
Oct 15 2001 ghostview -> ghostview-1.5/
Oct 15 2001 gmake -> make/
Oct 15 2001 gnat -> gnat-3.13p/
Mar 19 2002 gnupg -> gnupg-1.0.6/
Oct 15 2001 grep -> grep-2.4.2/
Oct 15 2001 groff -> groff-1.11a/
Oct 15 2001 gzip -> gzip-1.2.4a/
Oct 15 2001 inetutils -> inetutils-1.3.2/
Oct 15 2001 intlfonts -> intlfonts-1.1/
Oct 15 2001 ispell -> ispell-3.1.20/
Oct 15 2001 jcv -> jcv-5.2.2/
Mar 19 2002 less -> less-3.58/
Jun 1 21:04 libiconv -> libiconv-1.8/
Oct 15 2001 libtool -> libtool-1.4/
Oct 15 2001 LOCAL_INSTALLATION_NOTES -> ../supported/apptools/doc/apps/gnu/LOCAL_INSTALLATION_NOTES
Mar 19 2002 lynx -> lynx-2.8.4/
Oct 15 2001 m4 -> m4-1.4/
Oct 15 2001 make -> make-3.79.1/
Oct 15 2001 mkisofs -> mkisofs-1.11.3/
Mar 19 2002 mtools -> mtools-3.9.7/
Oct 15 2001 ncftp -> ncftp-3.0beta21/
Mar 19 2002 ncurses -> ncurses-5.2/
Oct 15 2001 patch -> patch-2.5.4/
Mar 25 2002 perl -> perl-5.005_03/
May 31 23:11 perl_local -> perl_local-5.005_03/
Mar 19 2002 psutils -> psutils-1.0/
Oct 15 2001 rcs -> rcs-5.7/
Jun 1 21:05 readline -> readline-4.3/
Oct 15 2001 recode -> recode-3.3/
Mar 19 2002 regex -> regex-0.12/
Oct 15 2001 screen -> screen-2.1/
Oct 15 2001 sed -> sed-3.02/
Oct 15 2001 sh-utils -> sh-utils-2.0/
Oct 15 2001 shtool -> shtool-1.5.1/
Oct 15 2001 tar -> tar-1.13/
Oct 15 2001 termcap -> termcap-1.3/
Mar 19 2002 texinfo -> texinfo-4.0/
Oct 15 2001 textutils -> textutils-2.0/
Oct 15 2001 tkcvs -> tkcvs-6.4/
Jun 1 21:05 tkdiff -> tkdiff-3.09/
Mar 19 2002 trueprint -> trueprint-5.2.1/
Nov 17 2002 unrtf -> unrtf-0.18.1/
Mar 19 2002 wdiff -> wdiff-0.5/
Oct 15 2001 wget -> wget-1.5.3/
May 31 23:55 which -> which-2.14/
Oct 15 2001 xgdb -> xgdb-1.12/
```

APPENDIX A

TEST RESULTS TABLE

The DATA are sheets attached to this document (not available for the electronic version)

ITEM	TEST RESULTS	DATA
3.1 Solaris Operating System	...	
jumpstart	PASS	mocfd1/2/3 successfully jumpstarted
ntp	PASS	see A-1
netscape7	PASS	see A-2
3.2 STK	PASS	see A-3
3.3 GREAS	PASS	see A-4
3.4 IDL - NO TEST	n/a	
3.5 java	PASS	see A-11
3.6 Sybase Client	PASS	see A-7
3.7 OASIS - NO TEST	n/a	
3.8 FASTCOPY	PASS	see A-12
4.1 SWSI	PASS	see A-11
6.1 TCAD/TDP - NO TEST	n/a	
6.2 TQSM - NO TEST	n/a	
6.3 Timeline tools	PASS	see A-4/5/6/7/8/9/10 Created new WS and ran full suite of tl tools. Diff on A-4 is regression.
6.4 SSB	PASS	see A-13

OVERALL RESULTS:

Pass/Fail: PASS

	PRINT NAME	SIGNATURE	DATE
Author	Ron Shorbaugh	Ron Shorbaugh	6/25/03
QA	SKBURY BURLINGHAM	SKBURY BURLINGHAM	7/3/04

S0763, rev A, A-13

connected!

```
/home/ron
[1] ~ssb/bin/sol2.sun4/VIEWssbAGS
waiting for SRVR reply ... GOT : VIEW

moc-server:/home/ssb/bin/sol2.sun4
Window Edit Options

bar                paramgen/          xfer2science/
bin/               pat_sgs_bkup/      xlicenses
calendar          patch4.7.sql
client.lic*       projects/
[ron@moc-server:2] cd ~ssb
[ron@moc-server:3] ls
Mail/              bin/
Poker_flat_Ground_Station/ documents/
Svalbard_Ground_Station/ raw_stream.ssb.WGS
Wallops_Ground_Station/ src/
[ron@moc-server:4] cd bin/sol2.sun4/
[ron@moc-server:5] ls
VIEWssbAGS*        ssbAGSd*
VIEWssbSGS*        ssbSGSd*
VIEWssbWGS*        ssbWGSd*
VIEWssb_tester_exit_before_reply*
[ron@moc-server:6] ps -ef | grep ssb
  ron 18704 17829  0 16:34:51 pts/6    0:00 grep ssb
[ron@moc-server:7] `pwd`/ssbAGSd
^Z
Suspended
[ron@moc-server:8] bg
[1]      `pwd`/ssbAGSd &
```

{3} /usr/sbin/ntpq -p

remote	refid	st	t	when	poll	reach	delay	offset	jitter
LOCAL(0)	LOCAL(0)	10	l	39	64	377	0.000	0.000	0.004
*moc-server.nasc	science.nascom.	4	u	35m	68m	377	0.405	-6.387	0.765
+podd1.nascom.na	science.nascom.	4	u	107m	68m	376	0.918	-4.215	1.139
+podg1.nascom.na	podd1.nascom.na	5	u	43m	68m	377	77.719	36.377	0.822

{4} date

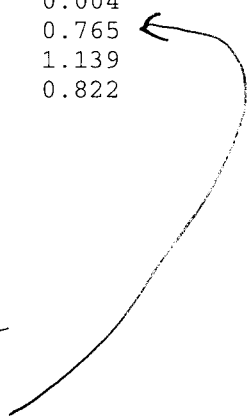
Fri Jun 6 23:12:31 GMT 2003

{5} echo \$HOST

mocfd3

{6}

*shows ntp off
moc-server*



```
{safs@moc-server:1} /usr/flogic/bin/fcopy ~/.cshrc localhost:/home/safs/tst.cshrc  
FCOPY-I-BANNER , Licensed to Stanford U, Sun E250/E450, under PO U3XDP622110 te
```

```
Name (localhost:safs): safs  
Password (localhost:safs):
```

```
FCOPY-S-FILE_COPIED, file '/home/safs/.cshrc' FASTCopied to file 'localhost:/home/safs/tst.cshrc'  
FCOPY-S-FINISHED, FASTCopy operation successfully finished  
{safs@moc-server:2} pwd  
/home/safs  
{safs@moc-server:3} date  
Mon Jun 2 02:58:02 GMT 2003  
{safs@moc-server:4}
```

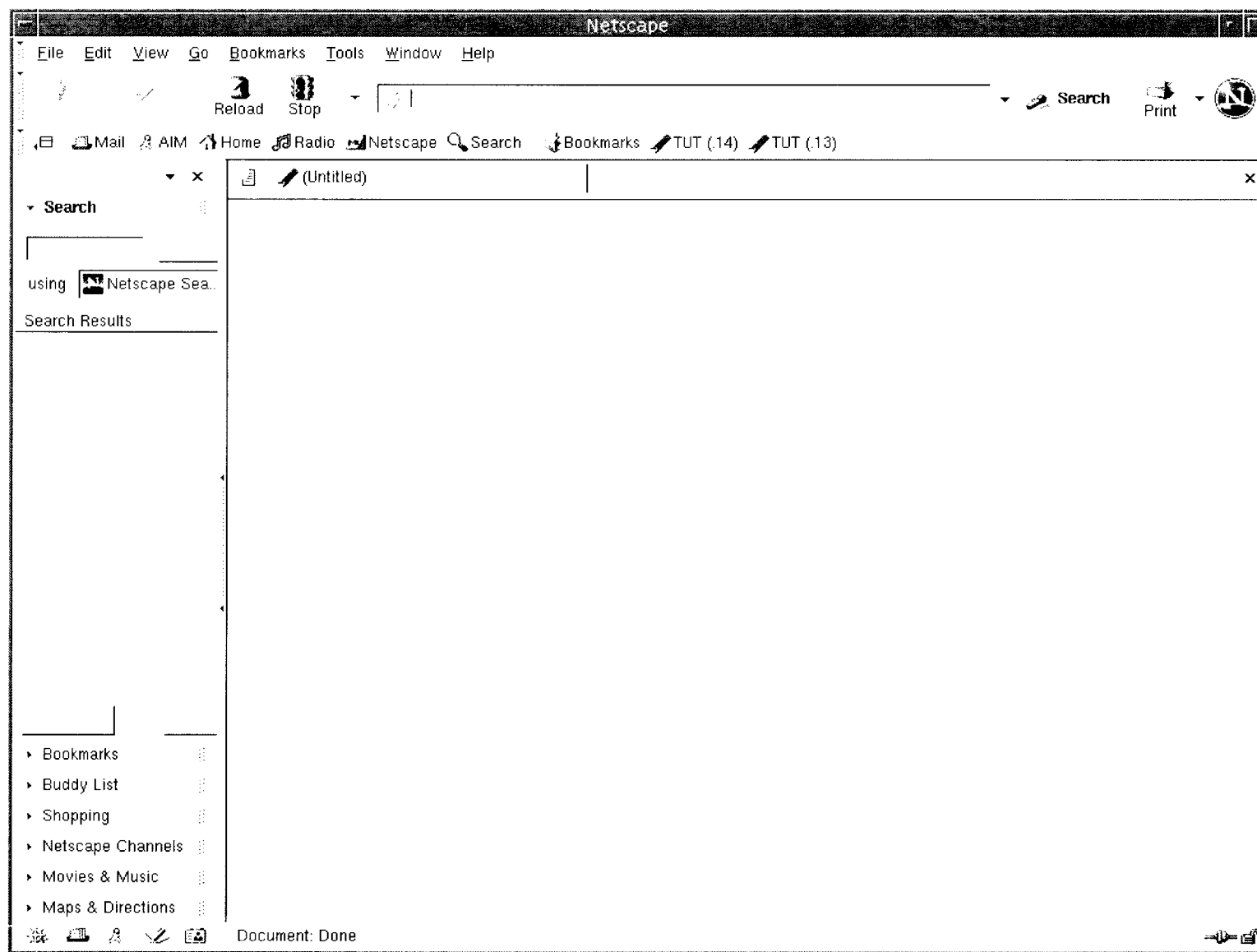
FASTCOPY

50763, rev A, A-12

(17)

S0763, new A, 17 A-2

Netscape v)



```
{53} echo $HOST
{53} mocfd1
{54} date
Mon Jun 2 23:32:08 GMT 2003
{55} netscape7 &
[1] 9469
{56}
[1] Done
{56}
```

netscape7

①

See H-2
 ↓

SWSI

User	Scheduling	Control/Monitor	State Vector	Admin	Time	Help
AppServer	Isolator	SNIF	SDIF	DAS		
Disconnected	Disconnected	Disconnected	Disconnected	Disconnected		

```

fcopy_context.dat.00007 ron_env xter/
fcopy_context.dat.00008 ron_fail.grstk xfer2sc
fcopy_context.dat.00009 SCCS/ xlicens
fcopy_context.dat.00010 science-mirror/ xStk4
foo serverLic_stk4_1
foo2 SGS_ssb_pkt.raw
[51] netscape?8
[1] 8995
[52]
[1] Done netscape? Host
[52] o ec swsi-server.nascom.
o: Command not found. Port
[53] 4100
[53] echo $HOST User ID
mocfd1 Password
[54] date
Mon Jun 2 23:32:08 GMT 2003
[55] netscape? &
[1] 9469
[56]
[1] Done netscape? PassPhrase
[56] cd ~/projects/swsi
[57] ./runclient.csh
ERROR... The 'SWSI Client Application' requires
Java Virtual Machine version 1.4.1 or later
Aborting!
[58] rehash
[59] java -version
java version "1.2.2"
Solaris VM (build Solaris_JDK_1.2.2_14, native
[60] ssh moc-server
Last login: Mon Jun 2 23:13:57 2003 from mocf
SunOS Release 5.8 Version Generic_108528-13 64
You have mail.
wc: cannot open /usr/spool/mail/ron

Good evening Ron.
So you're working late again. All work and no play...
You have new mail from:
From <IMAP4.pseudo.sims> Wed May 28 23:06:07 2003
From root@moc-server.nascom.nasa.gov Fri May 16 10:30:47 2003
From ron@moc-server.nascom.nasa.gov Fri May 16 22:19:07 2003
From root@moc-server.nascom.nasa.gov Fri May 23 10:44:53 2003
From ron@moc-server.nascom.nasa.gov Sat May 24 21:15:07 2003
From ron Wed May 28 22:56:14 2003
From ron@moc-server.nascom.nasa.gov Wed May 28 22:56:43 2003
From ron@moc-server.nascom.nasa.gov Wed May 28 23:05:21 2003
From root@moc-server.nascom.nasa.gov Fri May 30 10:31:11 2003

Load:
11:49pm up 1 day(s), 1:10, 12 users, load average: 0.20, 0.18, 0.18
[ron@moc-server:1] cd ~/projects/swsi
[ron@moc-server:2] ./runclient.csh
          
```

About SWSI

Space Network (SN) Web Services Interface (SWSI)

Build 4 Patch 02 04/21/2003

developed by...

Computer Sciences Corporation

and...

National Aeronautics and Space Administration

Goddard Space Flight Center

For more information or to report bugs

<http://swsi.gsfc.nasa.gov/>

OK

☐ Operations mode
 ☐ Test (EIF) mode
 ☐ Initiate Password Change?

Last login:

Number of failed login attempts:

Login

Cancel

Buddy patch 2 requires JAVA 1.4.1 to execute.

SO 763, rev A, pg H-11

(16)

```

/net/moc-server.nascom.nasa.gov/export/moc-server_1/projects/moc/stk43/baseline/2003_274_ioc/timeline
+ grep libGL.so
LDD_RESULT= libGL.so.1 => /usr/openwin/lib/libGL.so.1

```

```

#*****
# This is the output from "ldd"
#*****

```

```

if [ "$NO_CI" = "YES" ]
then

```

```

elif
then
# Op
# No

```

```

# Op

```

```

else

```

```

fi
+ [
+ [
+ [
+ xd
+ gr

```

```

XDPV
+ [

```

```

OGL

```

```

[1] 29919

```

```

[50] I STK/CON: Initializing STK/CON module.

```

```

I STK/CON: Creating server-side socket on port 5001...

```

```

I STK/CON: Server-side TCP socket created

```

```

I STK/CON: Accepting connection requests

```

```

E AgFaLoad.c[709] Error: 00003001 STKObjects/AgFac/AgFaLoad.c: 709

```

```

E AgFaLoad.c[709] Error: 00003001 STKObjects/AgFac/AgFaLoad.c: 709

```

```

E AgFaLoad.c[709] Error: 00003001 STKObjects/AgFac/AgFaLoad.c: 709

```

```

E AgFaLoad.c[709] Error: 00003001 STKObjects/AgFac/AgFaLoad.c: 709

```

```

[50] echo $HOST

```

```

mocfd1

```

```

[51] █

```

Satellite Tool Kit

File Edit Properties Tools Window Help

STK

baseline_2003_274

saa005mev

saa070mev

saa100mev

Aft_to_Ground

Aft_to_TDRS

Delta_to_Ground

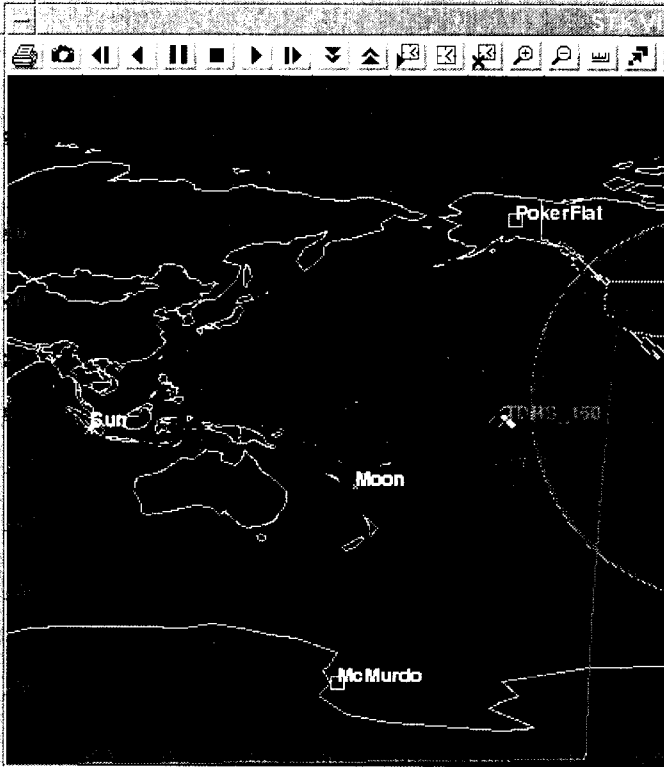
Delta_to_TDRS

Fwd_to_Ground

Fwd_to_TDRS

GPB_to_Environment

GPB_to_Ground



STK

50763 rev A pg A-3

(8)

```

{62} pd
~/stk43/mp_test ~/stk43/mp_test/2003_145_rjs5/timeline
{63} ls
2003_145_rjs5/
{64} tl newMPworkspace
tl newMPworkspace vl.6 - Creating a new Mission-planning Parent workspace
WARNING: you are NOT user moc, you must ensure write access to group
.....: if this is for the parent, exit and login as moc as redo
continue ([n]/y) ? > y
PWD== /home/ron/stk43/mp_test
ls: .....
2003_145_rjs5
-----
.....: enter directory name for a new parent workspace
.....:      standard format is: yyyy_ddd_<text>
.....:      examples: 2003_139_sim4 or 2003_300_ioc_from_045ping

.....:enter directory name > 2003_145_rjs5_MAcclone
.....: enter full path to ALL the following files:
.....:      GREAS .osl
.....:      launch_date
.....:      GPBOPS1_DATA2WEB_PATH
.....:      temp2procWdur.txt
.....:(like ~/moc/stk43/SV/2003_294_ioc_from_045ping/timeline/ )

.....: > ~/stk43/mp_test/2003_145_rjs5/timeline

launch_date:
No id keywords (cm7)

temp2procWdur.txt:
No id keywords (cm7)

GPBOPS1_DATA2WEB_PATH:
No id keywords (cm7)
change name of flx14_part1.osl (y/n) >
set flx14_part1.osl sccs rev to (i.e. 4-> 4.1 or 5.32) > 42
running: sccs admin -n -itmpNewGreasFile -r42 flx14_part1.osl -ycreated from /ho
No id keywords (cm7)
---- completed 2003_145_rjs5_MAcclone/timeline
---- starting 2003_145_rjs5_MAcclone/scenario ...
.....: enter path to STK scenario directory
.....: (like ~/moc/stk43/sv/2003_274_ioc_from_045ping/scenario/ )

..., : > ~/stk43/mp_test ~/stk43/mp_test/2003_145_rjs5/scenario/
... : answer not 1 word, retry
.....: enter path to STK scenario directory
.....: (like ~/moc/stk43/sv/2003_274_ioc_from_045ping/scenario/ )

..., : > ~/stk43/mp_test/2003_145_rjs5/scenario/
.....: copying files, ignore errors for failing to copy directories ....
cp: /home/ron/stk43/mp_test/2003_145_rjs5/scenario//SCCS: is a directory
created: 2003_145_rjs5_MAcclone/scenario/
.....: set GPB.sa sccs rev to (i.e. 4 -> 4.1 or 6.32 ) > 42

Aft_Antenna.sn:
No id keywords (cm7)

running: sccs admin -n -iGPB.sa_ORIG -r42 GPB.sa -ycreated from /home/ron/stk43/
No id keywords (cm7)

```

50763, rev A, pg A-10 (65)

took flx14_part1.osl, and re-scheduled on both moc-stk (pre-MA tools/patch) and mocfd1 (new blade jump-started under new MA tools and patched).

```
19 0:38 mkdir moc-stk
20 0:38 mkdir mocfd1
21 0:39 cp flx14_part1_moc-stk.osl moc-stk
22 0:39 cp flx14_part1_mocfd1.osl mocfd1
23 0:39 cd mocfd1
24 0:39 ls
25 0:39 OSLint.pl flx14_part1_mocfd1.osl `cat ../launch_date ` n
26 0:42 ls
27 0:42 cd ../moc-stk/
28 0:42 ls
29 0:43 OSLint.pl flx14_part1_moc-stk.osl `cat ../launch_date ` n
30 0:48 ls
31 0:48 cd GREAS/flx14_part1_moc-stk/
```

{41} date

Mon Jun 2 00:54:22 GMT 2003

{42} pwd

/home/ron/stk43/mp_test/2003_145_rjs5/timeline/moc-stk/GREAS/flx14_part1_moc-stk

{43} diff flx14_part1_moc-stk.sol ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14

{44} echo \$HOST

mocfd1

{46} foreach file (flx*)

foreach? set New=`echo \$file | sed -e 's:moc-stk:mocfd1:'`

foreach? echo "diff \$file ../../../../mocfd1/GREAS/flx14_part1_mocfd1/\$New"

foreach? diff \$file ../../../../mocfd1/GREAS/flx14_part1_mocfd1/\$New

foreach? end

diff flx14_part1_moc-stk.cal ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.clk ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.lis ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.req ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.res ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.sch ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

diff flx14_part1_moc-stk.sol ../../../../mocfd1/GREAS/flx14_part1_mocfd1/flx14_part

{47}

↑ diffs show exact comparison.

1) GREAS - reschedule

2) OSLint.pl, lib.pl

3) bringover

④

• S0763, new A, pg A-4

④

... FLIGHT DIRECTOR CHECKOFF:

1) Verify load2parent log pushed the same files as this _report: _____

2) Verify name/size/date of files on PODs same as this _report

Log onto commanding pod[deg]5 as analyst:

% ssh podd5 -l analyst

podd5:-> loads

podd5:/gpb/ops/common/loads> ls -l p*load

a) p[io]ngload.prc : same name _____

same date _____

same size _____

sanity check: @8000 bytes/sec this will upload ok? _____

if a rework, has the name been changed (minutes) ? _____

... , have old files been deleted from pods? _____

b) p[io]ngload.prc :

Change to procs directory and look for customized load file...

podd5:/gpb/ops/common/loads> procs

podd5:/gpb/ops/common/procedures> ls -l p*load.prc

Using:

podd5:/gpb/ops/common/loads> more pingload.prc

or

podd5:/gpb/ops/common/loads> more pongload.prc

Verify that this .prc has the same filename as a) _____

3) Verify name/size/date of the other .load & .prc files

a) _01 same name/size/date _____

b) _02 same name/size/date _____

c) _03 same name/size/date _____

d) _04 same name/size/date _____

e) _05 same name/size/date _____

f) _06 same name/size/date _____

g) _07 same name/size/date _____

... Data from .lis and .tline files:

File: ping30671500.spc

Author: Ron Sharbaugh

Date: Mon Jun 2 03:11:44 2003

GREAS MTL Input File: ping003.txt

SPC Buffer: ping

Buffer Start Index: 1

Cmd. Gen. Version: 1.6

Database: gpb_3_4_0

Cmd. Template Location: /projects/spc/spc-3_4_0_1_140/

... Output of command generation:

Site = moc

Machine = moc1

InitializeCommandGen: sybase user = cmdops

Loading miscellaneous processing parameters for

Miscellaneous processing parameters(gpb_3_4_0 version) loaded.....

ping SPC buffer selected.

ping003.txt timeline file selected.

ping003.txt opened for input to pool

End-of-File reached on MTL file read

118 tasks read from ping003.txt

Pool loaded with 142 total activities.

Pool loaded with 142 activities.

Preliminary constraint violations detected in Pool

OPS_CMDGEN_DIR resolved to /projects/spc/spc-3_4_0_1_140/

CDHC00_Select_slot5_for_32K_SSR's expire duration/task duration delta is greater than the task duration

ECUC00_Turn_LV1_Heater_On's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_Uncage_Rotor_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_Prime_to_SM_Backup_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_SM_Backup_to_SM_Digital_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_gx2xx_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_gx2xx_Uncage_Rotor_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_gx2xx_Prime_to_SM_Backup_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_gx2xx_SM_Backup_to_SM_Digital_w_Snapshot's expire duration/task duration delta is greater than the task duration

SREC00_Turn_On_SRE_TRE_Sandwich_Heaters's expire duration/task duration delta is greater than the task duration

FSWC00_Disable_SO_Bkt2_TmpCtrl1_Check's expire duration/task duration delta is greater than the task duration

ECUC00_Turn_LV1_Heater_Off's expire duration/task duration delta is greater than the task duration

/projects/spc/spc-3_4_0_1_140/ECUC00_GMA_Support_of_Flux_Flush.spc not found

ECUC00_GMA_Support_of_Flux_Flush contains no commands

ECUC00_GMA_Support_of_Flux_Flush does not start with an expire as required

ECUC00_GMA_Support_of_Flux_Flush does not end with a Current SPCP Branch to 0

/projects/spc/spc-3_4_0_1_140/ECUC00_Trapped_Magenetic_Flux_Flushing.spc not found

ECUC00_Trapped_Magenetic_Flux_Flushing contains no commands

ECUC00_Trapped_Magenetic_Flux_Flushing does not start with an expire as required

ECUC00_Trapped_Magenetic_Flux_Flushing does not end with a Current SPCP Branch to 0

/projects/spc/spc-3_4_0_1_140/ECUC00_GMA_Completion_of_Flux_Flushing.spc not found

ECUC00_GMA_Completion_of_Flux_Flushing contains no commands

ECUC00_GMA_Completion_of_Flux_Flushing does not start with an expire as required

ECUC00_GMA_Completion_of_Flux_Flushing does not end with a Current SPCP Branch to 0

GSSC00_g1xxx_Electrically_Cage_Gyro_w_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_gx2xx_Electrically_Cage_Gyro_w_Snapshot's expire duration/task duration delta is greater than the task duration

TREC00_Set_detector_gains_to_12's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_Snapshot's expire duration/task duration delta is greater than the task duration

GSSC00_g1xxx_Uncage_Rotor_w_Snapshot's expire duration/task duration delta is greater than the task duration

50763, new, A-7
(4)

/home/ron/stk43/mp_test/2003_145_rjs5_Maclone_child/timeline/003ping_t5

W Edit Options

TG=00046 ##_of_tasks=57
TG=00052 ##_of_tasks=52
TG=00070 ##_of_tasks=69
TG=00073 ##_of_tasks=19
TG=00074 ##_of_tasks=38
TG=00077 ##_of_tasks=38
TG=00079 ##_of_tasks=35
TG=00082 ##_of_tasks=37
TG=00084 ##_of_tasks=20
TG=00086 ##_of_tasks=18
TG=00087 ##_of_tasks=03
TG=00089 ##_of_tasks=35
TG=00090 ##_of_tasks=11
TG=00095 ##_of_tasks=08
TG=00097 ##_of_tasks=81
TG=00099 ##_of_tasks=23
TG=00100 ##_of_tasks=34
TG=00101 ##_of_tasks=81
TG=00103 ##_of_tasks=40
TG=10000 ##_of_tasks=00
TG=15001 ##_of_tasks=69
TG=15002 ##_of_tasks=24
TG=15003 ##_of_tasks=00
TG=15004 ##_of_tasks=00
TG=15005 ##_of_tasks=24
TG=15006 ##_of_tasks=04
TG=15007 ##_of_tasks=34
TG=15008 ##_of_tasks=138
TG=15009 ##_of_tasks=43
TG=15010 ##_of_tasks=02
TG=15011 ##_of_tasks=186
TG=15012 ##_of_tasks=127

TASKviewer_V1.4 by Paul McGown (on mocfd1)

ACTIVE=00 3-29 TRK=03 VIS=16 P=0108/0145 107795

INPUT DIR /home/ron/stk43/mp_test/2003_145_rjs5_Maclone_child/tim FILE flx14_part1.so
PRINT DIR /home/ron/stk43/mp_test/2003_145_rjs5_Maclone_child/tim FILE

==> P = 2003:153:03:03:44 ...Maclone_child/timeline/003ping_t5/DIFF/CURRENT/GREAS/flx14_part1
I = 2003:153:02:39:20 ...timeline/003ping_t5/DIFF/CURRENT/GREAS/flx14_part1

MET - 12:00:00 MET + 00:00:00
066:12:00:00 066:18:00:00 2003:067:00:00:00

SUN SUN SUN SUN
GSV GSV GSV GSV
SN SN SN SN

PIN_001

TASKs = 0 (outside of Task)

ng is info for .tline file in F

/home/ron/stk43/mp_test/2003_

6
7

ch Time = 2002:304:04:16:27 =

ch Time = 2002:304:04:16:27 =

"/home/GREAS/EXEC": Operation r
"/home/GREAS/EXEC": Operation r
= RRRRC
= RRRRC

53:02:43:21 /home/ron/stk43/mp_

T=2003:067:00:00:00

53:02:43:22 /home/ron/stk43/mp_

T=2003:067:00:00:00
for differences within tasks <
rintps DIFF/diff_osl.report
t: 1 lines were wrapped because
e * 1 copy] spooled to moclp
id is moclp-9 (1 file)

20112 SRE C SQUID_Health_cks_db_tables_update 012858-012928

20885 FSW C Payload_Safemode_Remove_Mask_All 014214-014314

00480 SRE C Init_Auto_Start_of_Forward_SRE_A 014331-014416

00500 SRE C Init_Auto_Start_of_Forward_SRE_B 014418-014503

00490 SRE C Act_Elect_Temp_Control_Fwd_SRE_A 014603-020848

00510 SRE C Act_Elect_Temp_Control_Fwd_SRE_B 020850-023135

00610 TRE C Turn_On_TRE_A_B_Electronics 023137-023154

00520 TRE C Turn_on_telescope_detect_heaters 023156-023226

00521 TRE G Monitor_telescope_detect_heaters 023157-040157

00425 SRE C Aft_SRE_B_Oscillator_Power_On 023228-023230

023232-023302
023304-023334

DISPLAY CONTROL

5 <<<< <<<< < 12hr < 4hr < 1hr zoom - ZOOM + 1hr >

SUBSYSTEM filter

TRK VIS SUN GSV PXP ATC CDH COM RFC EPS SAY
G OFF G OFF I OFF G ALL

- diff-osl page 1/2

- TASKviewer

- purgure

- comp-task*

50763, re A, pg A-5

(10)

```
-----
... MP check list      MP  CHKR      ACTION
.A) End Time of prev. load:_____
   Start Time of this load:_____
   1st contact for upload :_____
   2nd contact for upload :_____
   Est. min to upload=2
   Is estimated minutes to upload ok?: _____,if NO: _____
.B) command_gen errors ? _____,if YES: _____
.C) .tline file
... Load Name correct (esp. if a rework)? _____
... Database Version correct? _____
... Cmd Gen Version correct? _____
... Cmd Template Loc correct _____?
... All parameters default? _____,if NO: _____
... Any Hazardous Commands? _____,if YES: REE initial ALL_
.D) .lis file
... Tag index correct (ping/pong)_____?
... Data index correct(ping/pong)_____?
.E) .sol file
... Any I tasks? _____,if YES: _____
ECUI00_Close_LV1
... Any D tasks? _____,if YES: _____
ECUD05_ECU_PID_db_update
TRED01_TRE_Temp_Ctrl_ud
.F) diff_osl errors? _____,if YES: _____
.G) FILL-IN TASKS:
... Upload GPS Almanac every 3 weeks _____
... DBROs _____
... Memory Readouts _____
.H) SUBSYSTEMS from .sol file
... ATC
... CDH
... ECU
... FSW
... GND
... GSS
... PIN
... SRE
... TRE
.I) DEFERRED TASKS IN SCHEDULE FILE:
@[21582] GNDG00_SEND_REAL_TIME_COMMAND --> [9] IOC_003 --> [2] Active
.J) NUMBER OF N/A SCHEDULED TASKS == 1
```

```
-----
... TIMELINE COMMITTEE IOC CHECKOFF:
.....ping003.txt ping30671500.load
CONTACT SCHEDULES GOOD?
...: 1st box power-on has R/T contact?
...: At least 4 GN contacts?
...: GSV/GSI periods used correctly?
...: SAA periods used correctly?
ATC
...: ROLL RATE and CHANGE DURATIONS correct?
...: ORBIT TRIM scheduled?
...: MASS TRIMs needed (DRAG FREE to Measure) ?
...: MODE(s) [2/1a/...] correct?
...: OD _ Ephemeris / STK Ephemeris update needed?
...: Dither for telescope vs gyroscope scale factor?
TRE
...: Algorithms? _____: Passive vs PID? _____: Window Bakeout Needed?
...: SHUTTER CONTROL [spc needed if in Mode 2] correct?
ECU
...: Algorithms?
...: FLOW METER task scheduled before R/T window?
...: QBS Temp control?
...: Heat Pulse Meter?
...: Liquid Point Sensor?
...: GMA CAL - redundancy vs leakage? _____: Config after 1Hz?
...: Vatterfly Valve states (open/closed)?
GSS
...: Algorithms? _____: Charge Measurement? _____: Charge Control?
...: Center Cal? _____: Bridge at Rollrate? _____: Grav.Grad.Cal?
...: Drag Free Switching between ALL gyros (gyro spinup problem)?
...: Charge Management Testing [GSS vs Drag Free gyro/Calibration]?
SRE
...: Algorithms? _____: Settings after Spinup?
...: SQUID Health Check vs SQUID Init?
...: Range/Gain correct? _____: Settings after bakeout
...: CPU Mangagement issues?
...: SQUID Bracket control?
GMA CALIBRATION
...: Functional _____: Config after 1 Hz,before Spinup
...: Redundancy vs Leakage
DEWAR management [Temp/Flow Rate]?
PROTON Monitor Calibrate?
POWER Usage ok (Day/Night requirements)
Magtorquer Cal (Torques off used for earth cal)?
...32k FORMATS CORRECT (All required monitors are sent when needed?
...SNAPSHOTS CORRECT?
...SAFEMODE Configuration (tests,macros,masking)?
...MP FILL-IN tasks {DBRO/GPS Almanac/MRO} needed?
...*G* tasks for next load reviewed? any missing?
...No outstanding TCRs for this load?
...Is staffing correct for this load?
```

50763, ready for A-8
(13)

diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5_MAcclone_child/timeline/003ping_t5
diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5_MAcclone_child/timeline/003ping_t5
diff_osl ::: /home/ron/stk43/mp_test/2003_145_rjs5_MAcclone_child/timeline/003ping_t5

ran on Mon Jun 2 02:46:47 GMT 2003
ran on Mon Jun 2 02:46:47 GMT 2003

/apps/supported/scripts/diff_osl ran from mocfd1.nascom.nasa.gov
/apps/supported/scripts/diff_osl version is 1.8

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

SCCS/s.flx14_part1.osl: 42.1 03/06/02 ron

----- PARENT OSL FILE -----

Parent OSL File Path: /home/ron/stk43/mp_test/2003_145_rjs5_MAcclone/timeline/flx14_part1.o
sl

SCCS/s.flx14_part1.osl: 42.1 03/06/02 ron

----- SUMMARY -----

0 ./onlyinCURRENT
0 ./onlyinPARENT
213 ./inBOTH
213 total

-rw-r--r--	1	ron	users	0	Jun	2	02:46	./differences_inBOTH
-rw-r--r--	1	ron	users	0	Jun	2	02:46	./onlyinCURRENT
-rw-r--r--	1	ron	users	0	Jun	2	02:46	./onlyinPARENT

NO DIFFERENCES FOUND ✓

diff_osl page 2 of 2

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(11)

003ping_r5

..... files to be sent to POD d and e:

File	User	Date	Time	Command
ping30671500.load	users	11885	Jun 2 03:11	ping30671500.load
ping30671500_01.load	users	11892	Jun 2 03:11	ping30671500_01.load
ping30671500_01.prc	users	2991	Jun 2 03:11	ping30671500_01.prc
pingload.prc	users	469	Jun 2 03:11	pingload.prc
ping30671500.lis	users	518265	Jun 2 03:11	ping30671500.lis
ping30671500.spc	users	286534	Jun 2 03:11	ping30671500.spc
ping30671500.tline	users	50426	Jun 2 03:11	ping30671500.tline

grep of pingload.prc : load fsw_spc at 0 from ping30671500

..... POD .load file repository: /home/ron/stk43/mp_test/2003_145_rjs_Maclone

SCCS/s.flx14_part1.osl: 42.1

SCCS/s.GPB.sa: 42.1

... Checklist and Signatures needed before Putback and xfer to PODs:

A) Mission Planner: _____

print	signature	date

B) Checker: _____

print	signature	date

C) REEs(next page): ATC____ PCU____ GSS____ SRE____ TRE____

... Haz. Cmds: _____

... ParamGen Chk: _____

... I tasks ok: _____

D) Other(next page):Dewar____ GPS____

E) LM: _____

(FSW/CDH/EPS...) print	signature	date

F) Mission Director: _____

print	signature	date

G) Loads xfer'd POD: _____

print	signature	date

H) FLIGHT DIRECTOR: a. Verify files on POD, b. Xfer binder to ops lead.

print	signature	date

signature page

Column A: Marked by MP when commands for that subsystem are used.
B: Name of subsystem, and what the REE is to check for.
Note: MP marks when param gen or haz cmds need signed-off.
C: yes/no results of REE verification.
D: Signature/Date column.

A	B: Subsystem	C:Result [yes/no]	REE NAME

ATC:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
ECU:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
GSS:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
SRE:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
TRE:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
OTHER _____:			
___	Param Gen Parm correct?	_____	print
___	Haz Cmds per baseline?	_____	_____
___	Card not violated?	_____	date
___	Needed Contacts Correct?	_____	signature
*****any NO results require additional signatures:			
*****Are additional signatures REQUIRED [yes/no] _____			
*****[if yes, identify who and fill in the Other section on front cover]			
Acceptance Review Chair: _____			
	Print	Sign	date

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