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Gravity Probe B Relativity Mission

MOC Station Status Broadcast SVR

**S0737 Rev A
7/16/03**

Approvals

	SIGNATURE	DATE
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ITAR Assessment Performed, ITAR Control Req'd? Yes__ No__

Tom Langenstein: _____

History

REV	DATE	AUTHOR	COMMENTS
-	12/4/02	rjs	Release for network test
A	7/16/03	rjs	MCR#84 - upgrade SSB display (for ssb-1.2

1. INTRODUCTION

This version details the Station Status Broadcast S/W used to support the network testing.

2. APPLICABLE DOCUMENTS

Document	Document No.
MOC Station Status Broadcast SDTD	S0736
MOC VDD for Station Status Broadcast	S0738
MOC SSB S/W Users Guide	P0964

3. TEST ID: Real Time Display of GN Contacts

3.1 INTRODUCTION:

This test involves running the software in the same manner as during a ground pass, except a test program inputs data to the daemon.

3.1.1 APPROACH:

For Site Testing:

Setup for 1st contact:

- Run the daemon on moc-server.
- Run the Viewer on a non-POD moc client.
- Run fakeXXX to send file data to the daemon.
- Run a 2nd Viewer that starts after data is flowing to 1st Viewer, use -n.

Repeat:

- Run the Viewer on a non-POD moc client.
- Run fakeXXX to send file data to the daemon.

From a File:

- Run the Viewer on a non-POD moc client with a file as input.

3.1.2 FEATURES TO BE TESTED:

- The daemon sends data to the Viewer.
- The daemon creates archive files.
- One (or more) Viewer(s) display SSB data items.

3.1.3 FEATURES NOT TO BE TESTED:

- The daemon connects with the GN site.

3.2 TESTS:

3.2.1 First Test: WGS Site Test

Pass/Fail Criterion for 1st test:

Passes if screen captures before/after show: a) daemon receiving and archiving data, b) Viewer(s) displaying data, and c) two archive files are created.

See Appendix A.

RESULTS: PASSED.

3.2.2 Second Test: SGS Site Test

Pass/Fail Criterion for 2nd test: same as for 1st test, except site is SGS.

See Appendix B.

RESULTS: PASSED.

3.2.3 Third Test: AGS Site Test

Pass/Fail Criterion for 3rd test: same as for 1st test, except site is AGS.

See Appendix C.

RESULTS: PASSED.

3.2.4 Fourth Test: FILE

Pass/Fail Criterion: displays data from a File.

See Appendix D.

RESULTS: PASSED.

3.2.5 Fifth Test: no server

Have VIEWssb attempt to run to a site that does NOT have a daemon running. Passes if it correctly errors out (see USERS Guide).

See Appendix E.

RESULTS: PASSED.

4. OVERALL RESULTS: PASSED

ATTACHMENTS:

Appendix A, 3 pages - WGS screen captures.

Appendix B, 3 pages - SGS screen captures.

Appendix C, 3 pages - AGS screen captures.

Appendix D, 2 pages - replay data from a file

Appendix E, 1 page - Error is no server running.