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Gravity Probe B Relativity Mission

P0901

MISSION OPERATIONS CENTER

MOC Rebuild Science from science-crunch

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SCOPE

In the event of a Mission Operations Center (MOC) system failure during mission operations, it is imperative that the System Administrator/ Designee be contacted immediately.

The purpose of this document is to provide instructions for authorized personnel to follow in the event the Science Server goes down and rebuild of a new Science Server is needed

Applicability:

This procedure applies to all personnel involved MOC operations. The requirements outlined in this document are mandatory.

Quality Assurance

Quality Engineering is to be notified prior to performance of any hardware troubleshooting/replacement or rebuilds and will witness all actions. If Quality Engineering is not available they may delegate the Quality tasks to the MOC Manager on duty. All actions taken will be documented in the MOC Test Anomaly Report Log.

Responsibilities:

System Administrator or Designee: Name _____ Date _____

- Science-crunch rebuild: (failed unit) CHECK
- Open a TAR/Discrepancy Report as required. _____
- If power is not already off, turn power off _____
- Disconnect all cables from Science server except the power cable. _____
- Connect ESD ground strap to a suitable ground system. _____
- Individual performing rebuild will wear an ESD wrist strap. _____
- Open the server front panel and remove hard disks. _____
- Schedule repair of failed unit. _____
- Science-crunch rebuild (new Science server) CHECK

- Power down Science crunch _____
- Connect ESD ground strap to a suitable ground system. _____
- Individual performing rebuild will wear an ESD wrist strap. _____
- Open front panel and remove internal hard disks. ESD wrap disks and store in appropriate area. _____
- Plug-in disks that were removed from failed server. _____
- Reinstall front panel. _____
- Restore power. _____
- Reboot Moc-science clients. _____

Summary:

Incorporation of the items in this Procedure will ensure that all rebuild activities are kept to a minimum and will prevent the unnecessary replacement of MOC hardware .

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