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**PFR-107 Title: FM 3 SEA Dropped**

<b>Assembly :</b> SST	<b>SubAssembly : SEA</b>	
<b>Component :</b> S/N 16-21	<b>Units Affected:</b>	<b>Units fixed:</b>
<b>Originator:</b> Christopher Scholz	- - x - - -	- - x - - -
<b>Organization:</b> SSL	<b>Date:</b> October 13, 2005	
<b>Phone:</b> 510-643-2478	<b>Email :</b> cscholz@ssl.berkeley.edu	

**Failure Occurred During (Check one ✓)**

☐ Functional test   ☐ Qualification test   ☐ S/C Integration   ☐ Launch operations   ☒ Other (Flight Assy)

**Environment when failure occurred:**

☒ Ambient                      ☐ Vibration                      ☐ Shock                      ☐ Acoustic  
☐ Thermal                      ☐ Vacuum                      ☐ Thermal-Vacuum                      ☐ EMI/EMC

<b>Problem Description</b>
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The two SEA's were being transported from the Silver building to the Addition. They were enclosed in their ESD Anti-Stat bags, which were placed on top of their two documentation binders. While reaching for the door of the SSL Addition building, the binders shifted slightly and one of the bags slid off and dropped to the floor.

<b>Analyses Performed to Determine Cause</b>
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The SEA was taken to Room 140 and visually inspected for any possible damage to the board, the frame or the electronic components including solder connections. None was Observed.

The SEA was then taken to Davin Larson and Thomas Moreau to do thorough electrical testing to determine if there were any deviations from previous test results. None were observed.

<b>Corrective Action/ Resolution</b>
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The unit functions just as it had prior to the dropping incident and the Instrument Scientist, Davin Larson, has determined that no damage has occurred to the SEA S/N 016 - 021 unit. There is no repair or rework required for the unit.

Transport procedures have been adopted that will cover all flight electronic assemblies. All Flight Electronic Assemblies will be placed into a padded/cushioned ESD safe container for transport between not only buildings/facilities but also between rooms.

Acceptance:

MAM: Ron Jackson \_\_\_\_\_ ; MSE: Ellen Taylor \_\_\_\_\_

PM: Peter Harvey \_\_\_\_\_ ; Cognizant Engineer \_\_\_\_\_

Date of Closure \_\_\_\_\_