## DOCUMENT REVISION RECORD

<table>
<thead>
<tr>
<th>Rev.</th>
<th>Date</th>
<th>Description of Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>2000-3-19</td>
<td>Original draft</td>
</tr>
<tr>
<td>B</td>
<td>2000-11-9</td>
<td>Update for new spacecraft configuration (remove vac valve GSE &amp; constrain unmated actuator plugs, etc.); remove FSS stim. &amp; antenna hats, add solar array safety tie-downs; leave FSS dust cover on; remove tooling balls; install pump port cap.</td>
</tr>
<tr>
<td>C</td>
<td>2000-11-15</td>
<td>Add QA signoff</td>
</tr>
</tbody>
</table>

Project Manager:  
Peter Harvey  
Date

System Engineer:  
David Curtis  
Date

QA:  
Ron Jackson  
Date
1. INTRODUCTION

1.1 Purpose
This document describes the physical configuration of the spacecraft for vibration tests. The spacecraft is to be mated to the vibration plate via the red ring as called out in the vibration test plan (HSI_MIT_020). The spacecraft is to be nominally in flight configuration with solar arrays installed.

2. ITEMS TO REMOVE

1. SAS Covers (3x) Verify
2. RAS Cover Verify
3. PMT Cover Verify
4. Flight Enable Plug (FEP) Verify
5. Battery Relay Box Verify
6. Battery Cell Monitor Box Verify
7. Spectrometer Vacuum Pump Verify
8. Spectrometer pump Verify
9. Lifting Fixture Verify
10. TMS Shorting Plug Verify
11. TMS alignment laser in front of Imager Verify
12. CSS Dust Covers (8x) Verify
13. Vacuum Valve GSE Verify
14. Actuator Enable plug (disconnect) Verify
15. RF Antenna hats (4x) Verify
16. FSS Stimulus Verify
17. Imager grid tray tooling balls (18) Verify
18. RAS tooling balls (4) Verify
19. Reference tooling ball at center ring Verify
20. Solar Array First Motion Fixture (leave the tabs on the solar arrays) Verify

QA Verify:

3. ITEMS TO INSTALL

1. Umbilical to GSE Verify
2. Test Access Connector (TAC) to GSE (for telemetry) Verify
3. Battery Flight Plug (BFP); as called out in HSI_MIT_033 Verify_______
4. Nominal Balance Mass Verify_______
5. Spectrometer LN2 cooling fill tube support Verify_______
6. Spectrometer pump port cap Verify_______
7. Loose restraints on the solar arrays to capture them in the event that the 
   frangibolts fail Verify_______
8. FSS dust cover (red plastic) Verify_______
9. RAS dust cover (bag) Verify_______
10. Upper grid tray dust cover (bagging) if it is not closed out by thermal blankets 
    Verify_______

4. OTHER CLOSEOUTS
   1. Cage Spectrometer Attenuator Actuators Verify_______
   2. Close RAS aperture shutter Verify_______
   3. Tape down loose hardware on lifting fixture guides Verify_______
   4. Tape down unmated connectors: vacuum valve & actuator ebl. Verify_______
   5. Inspect blankets and harasses near solar array to ensure clearance 
      Verify_______