**GS-13 Inspection/Pod Assembly (D047810) Checklist**

**F090070-v6**

Jeff Kissel, Joe Hanson, Brian O'Reilly, Tom Gentry, Céline Ramet, Greg Grabeel

Top of Form

|  |  |
| --- | --- |
| Configuration Vertical Horizontal | D050358-v1 Pre-amp S/N |
| GS-13 (D1000166) S/N | D0902011 –v2 Socket board |
| D047812 Chamber S/N | Final Destination |

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**GS-13 Visual Inspection**

Top of Form

All flexures have been updated



Bottom of Form

Top of Form

Flexure webbing is intact with no dings, scrapes, or other damage



Bottom of Form

Top of Form

Tension rod is straight without dings



Bottom of Form

Top of Form

Tabs of suspension springs evenly between fork fixture



Bottom of Form

Top of Form

All wiring is zip-tied, immobile, and away from the suspension springs



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Top of Form

The pre-amp board in an up-to-date version, all jumpers are in the correct position, and connection to the readout cable is secure



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Top of Form

Unlock the seismometer and check for proper leveling



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Top of Form

(Vertical Only) With seismometer unlocked ensure viton o-rings are in contact concentric coils



Retrofit/Inspection \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_

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**GS-13 Quality Test**

Top of Form

Huddle test against STS-3; natural frequency corrected to 1 Hz (data on SeismicSVN)



Bottom of Form

Top of Form

Power spectra without peak at ~105 Hz (data on SeismicSVN)



Huddle Test \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_

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**Podded GS-13 Quality Test**

Top of Form

Verify podded GS-13 with oscilloscope



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Top of Form

Leak check podded GS-13



Approved \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_

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