**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**

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 All flexures have been updated

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Top of Form

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

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 Tension rod is straight without dings

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 Tabs of suspension springs evenly between fork fixture

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 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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 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)

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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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