

# POTENTIAL FIELD POOL EQUIPMENT (PFPE) /WHOI SSSG

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# 2021-PFPE ACTIVITIES UPDATES

- **BGM3 Gravimeters:** A BIG THANKS TO ALL THE ARF SHIPBOARD TECH. TEAMS!!!

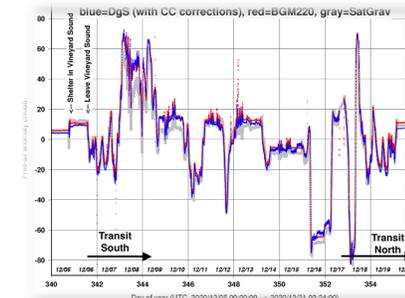
R/Vs Sikuliaq, Revelle, Thompson, Langseth, Kilo Moana, Armstrong, Atlantis, Palmer, & Healey [S. Ride BGM3 is on shore]

- **DgS Gravimeters:**

Procured by WHOI (1) and NGA (2)

(DgS-ATIM: “DgS” = Dynamic Gravity Systems, LLC.). ITAR free, next gen. gravimeter on Global/Ocean class vessels (and smaller vessels too as needed).

- 4 side-by-side tests of BGM3 and DGS gravimeters were conducted between Sept. 2020 to present to assess operational capabilities and data comparability: Armstrong (AR47 and AR49), TGT (TN391), and Healey (HLY21TD).



[AR49 BGM3 and Dgs Gravimeters (left) and data comparison (right)]

2021 → 2022  
PFPE  
ACTIVITIES  
PLAN

- BGM3 gravimeters  
Continued maintenance and support operations with UNOLS operators.
- DgS gravimeters  
2 DgS meters [NGA (1) + WHOI (1)] will be deployed on 2 ARF vessels for longer term (~12mos) operations.
- AGU presentations (by WHOI, and also by NGA)
- R2R

# PFPE MANAGEMENT CHANGES

- Masako Tominaga (soon to be on the scientific staff in G&G at WHOI) will take over the management and oversight role of PFPE from Dan Fornari.
- Tom Lanagan will take over the PFPE “1<sup>st</sup> responder” lead role as Randy Herr will officially retire from the PFPE effort. Steve Faluotico will be the second support.
- Jasmine Zhu will be assessing DgS data pipeline and developing a best practices document with Tominaga for acquisition and processing DgS data.
- New PFPE website will be up in early 2022.
- We are always here to help:  
**[pfpe\\_internal@whoi.edu](mailto:pfpe_internal@whoi.edu)**