POTENTIAL FIELD POOL EQUIPMENT (PFPE) /WHOI SSSG

Masako Tominaga, Dan Fornari, Tom Lanagan, Steve Faluotico, Stefano Suman, Jasmine Zhu
• **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-AT1M: “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
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 “1st 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