SIO Portable MCS System Update

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2022 Operations

- Operations on the B/O *Justo Sierra* have been deferred. Planning to leverage existing Environmental compliance efforts to conduct the survey in 2022
- Planning for survey on R/V *Nathaniel Palmer* in late 2022
Selection Criteria
1. Capable of supporting 1-4 GI sources in standard configurations with 10-12 sec rep rates.
2. Diesel driven
3. Availability of a long-term support maintenance support contract
4. 2000-3000 psi operational range
5. Compact containerized or enclosed footprint, smaller than a 20ft container
6. Single compressor weight within the capacity of some regional and local class research vessels
7. Condensate reservoir
8. Spill capture/environmental containment
9. Oil coalescing filtration
Funds received from NSF to purchase two portable compressors. Procurement is in progress.