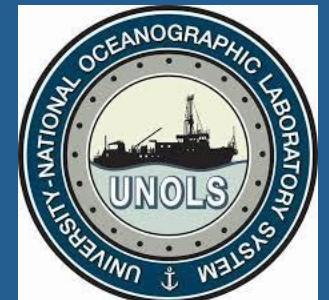

SIO Portable MCS Update

UNOLS MSROC Meeting 12/10/2023

Lee Ellett

Scripps Institution of Oceanography



Portable Compressor Commissioning



Project Status NSF OI Grant
LMF 11s 385 cfm Compressors

Commissioning 11/29 to 12/8

- 2 days setup
- 2 days startup checks
- 1 day 3000 psi operation
- 4 days training and operations

Commissioning stopped after day five due to water discovered in both piston compressors



Portable Compressor Overview



Control Cabinet



Cooling Circuit

Portable Compressor Overview



Screw Compressor



Piston Compressor

2024 Operations Planning



1. February 2024 R/V *Nathaniel Palmer*
2. September 2024 R/V *Sally Ride* – R. Harris, Continuation of MCS project from R/V *Marcus Langseth*
3. December 2024 R/V *Sikuliaq* – H. Mark

