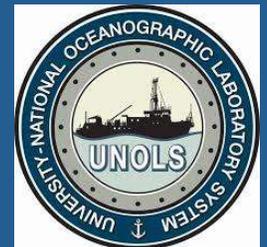


SIO Portable MCS System Update

MSROC Meeting 27 July 2020

Lee Ellett

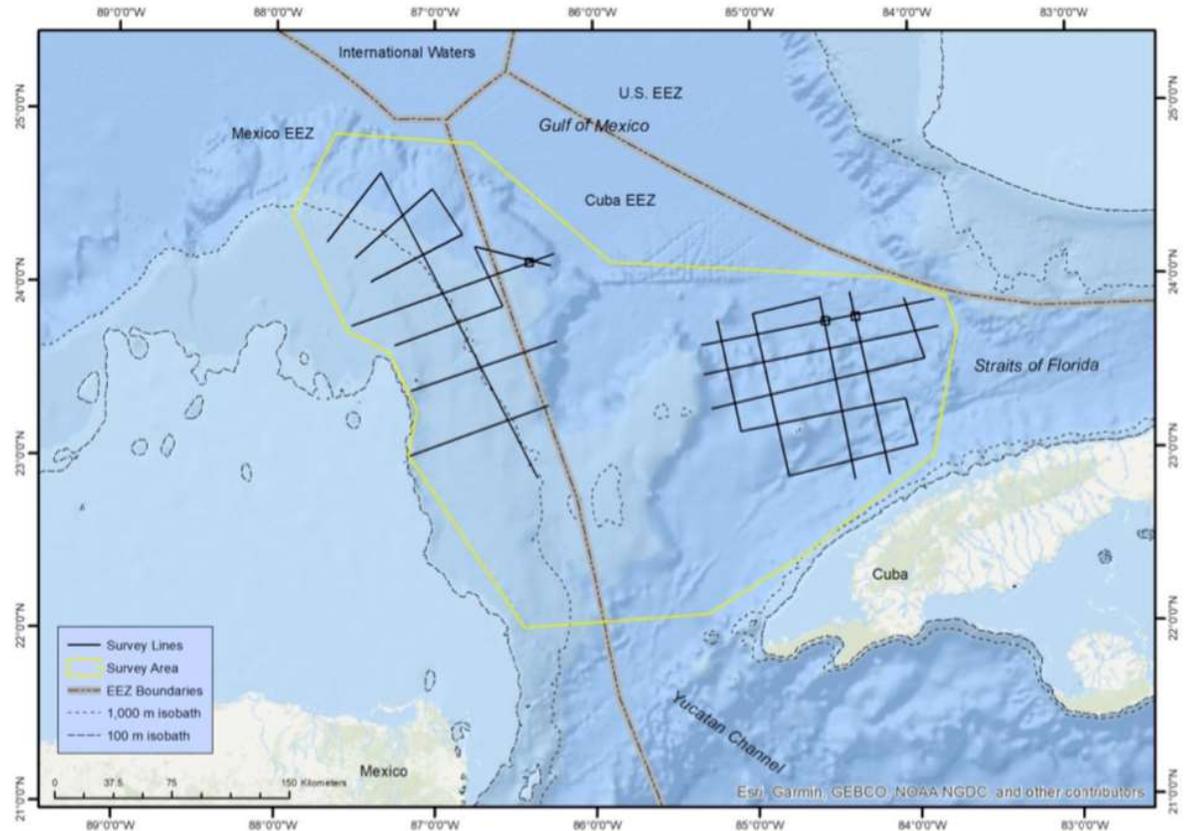
Scripps Institution of Oceanography



2020 Operations



- 2020 Operations on the B/O *Justo Sierra* have been deferred
- Should be able to leverage existing Environmental compliance efforts to conduct the survey in 2021



Portable Rental Compressors



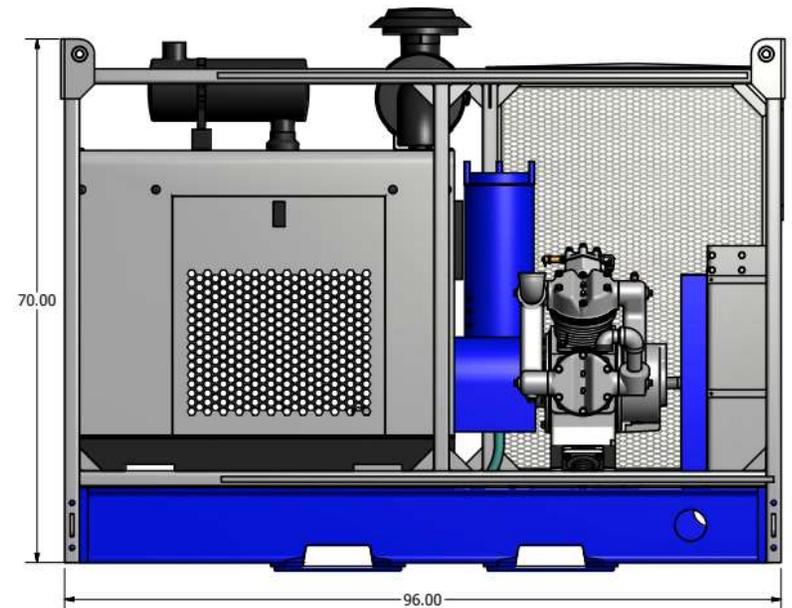
Since 2014 the three UNOLS Global class vessels outfitted with compressors for portable MCS have either been retired or have had the compressors removed

Increased Operational Costs

1. Leases are door to door
2. Additional sea freight costs
3. Spares are leased or additional cost
4. Additional Technical Staff

Technical approach for rental compressors

1. Rent a spare compressor (typically 3 total)
2. Include a compressor mechanic and additional technical staff
3. Lease appropriate spares



Portable Compressor Acquisition Considerations



- Support “typical” GI sound source configurations
- Platform flexibility
 - Diesel
 - Electric
- Redundancy
- Long term support
- Cost - benefit analysis

