Collaborative team

Leverages SECOORA assets

Stakeholder partnerships

Products
Glider “flight”

Measures:
temperature, salinity, oxygen, organic matter, backscatter, chlorophyll, currents, position

Video courtesy Sunke Schmidtke
Acoustic telemetry: Vemco VMT receiver

Passive acoustics: “remora” receiver

Instruments courtesy: Ocean Tracking Network (OTN), NOAA/NC-COS
Data Flow: Glider -> Data Consumers

- Glider 1
- Glider 2
- Glider N
- Glider 1
- Glider 2
- Glider N
- Glider 1
- Glider 2
- Glider N

Shore Station 1
Shore Station 2
Shore Station M

DAC

NDBC
Product Developer

GTS
Operational Models
Scientific Research

NODC
General Users
2016: 4 gliders
  2 shelf gliders
  1 slope glider
  1 profiling at Gray’s Reef NMS

SABGOM model integration
  • GENIoS navigation
  • model/data comparison
  • aid in piloting
Many thanks to Eric Reyier and Doug Scheidt (NASA) and Jared Halonen, Todd Recicar, Kim Roberson, and Sarah Fangman (GRNMS) for deployment support and donated ship time!
Stakeholder support

Ship time (GRNMS, NASA)

Personnel time

Equipment (OTN, NC-COS)

Guidance re coverage
SECOORA Regional Glider Network

REAL TIME DATA – available via:

www.secoora.org

IOOS Glider DAC

Visualization

what are needs from PIs, stakeholders, partners?