Observatory Primary Tool:
Optical Phytoplankton Discriminator (BreveBuster™)
BreveBuster Deployment Modes

Webb Glider

USF BSOP

Channel Marker

USF COMPS Buoy

Hydroid REMUS

Portable Buoy
Current BreveBuster Inventory

Existing
- 1 Shipboard – Tampa to Naples
- 2 Buoys COMPS C10 and C15 – Sarasota (MERHAB)
- 1 BSOP vertical profiler - Tampa/Sarasota (MERHAB)
- 1 Cal Poly REMUS AUV – FL & CA (NSF)
- 1 Rutgers Glider AUV – FL & NJ (NSF)
- 1 Glider – Tampa to Naples (FWCC/FWRI)
- 2 Venice and Naples Piers (NOAA/IOOS)
- 1 Maintenance spare (MERHAB)
- 2 Gliders (NOAA/IOOS)
- 2 Portable buoy (FWCC/FWRI)
- 3 Veracruz, Mexico (EPA/NOAA)

In Fabrication
- 5 Florida HAB COOS (FWCC/FWRI)

Total 22
Conclusions

- Daily operations require continuous attention to details such as quality of data, personnel, weather conditions and forecasts, and maintenance needs.
- To achieve long-term operation there must be a continuous engineering focus on improvements.
- For safe operation there must be continuous emphasis on safety consciousness and provision of safety equipment and supplies.
- For all of this effort to be worthwhile it is critical to continuously evaluate the utility of the products.