



### COMMAND & CONTROL

rol center is located at the Coastal Ocean Observation Laboratory



### REALTIME DATA ANALYSIS & DISTRIBUTION

ored via a Matlab-based Graphical User Interface (Fig. 5B), allowing for realting chicle as well as viewing of data. Once data files are ot/auv\_data (Fig 5C).

### AUTOMATED CONTROL

late) for self- aware and sel hen the glider surfaces, Figure 5







particle maximum associated in the bottom waters at the outer edge of the MAB cold pool consistent with letached bottom boundary layer upwelling dynamics

cal and bio-optical will be immensely valuable as recent data s entering the MAB and these changes

# **EcoHAB**

ith Dr. Gary Kirk of the Mote Marin ere deployed on the West nber 2003 light



## LATTE - 2005

Figure 9

N

LaTTE 2005 in







with both high part Figure 19













### SUMMARY & CONCLUSIONS

RU-COOL SLOCUM GLIDER FLEET GLOBAL DEPLOYMENTS



. The RU-COOL glider fleet has and will continue to ma ecting physical, optical and biological datasets irregat hat would have otherwise gone up datasets h

# Since switching over to satellite communications in Septer

- New York/New Jersey Shelf USA (Endurance Line, LaTTE)
  Marnha's Vineyard, Massachusetts USA (CBLAST)
  West Florida Shelf/Gulf of Mexico USA (ECOHAB)
  Norfolk, Virginia USA (MIREM)
  Mediterranean Sea Europe (AOPEX)
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- Sargasso Sea Atlantic Ocean (SHAREM)

. The fleet is maintained by a full-time staff of 2 (one engineer and one software/data analyst) and ha moved from an experimental ocean sensing platform to a cost-effective operational asset for both scientific and applied research.