Dauphin Island Sea Lab Stations

**Met Data:**
- Wind Speed/Direction
- Air Temp
- Relative Humidity
- Precipitation
- Barometric Pressure
- Solar Rad
- Quantum Rad

**Hydrographic Data:**
- Water Temp
- Water Height
- Salinity
- Oxygen (% sat)
- Oxygen (mg/l)

**Locations:**
- Meaher Park
- Middle Bay Lighthouse
- Cedar Point
- DISL
- Katrina Cut
- Bon Secour
- Perdido Pass
### Funding Support
- 2 year budget

**Dauphin Island Sea Lab**  
**Summary Budget Comparison**  
2479JV - TEXAS A&M GCOOS  
From 9/1/2013 Through 9/30/2013

<table>
<thead>
<tr>
<th>Account Code</th>
<th>Account Title</th>
<th>Current Period Actual $</th>
<th>YTD Budget - Original</th>
<th>YTD Actual $</th>
<th>YTD Budget Variance - Original</th>
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<tbody>
<tr>
<td>5104</td>
<td>Salaries - Professional</td>
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<td><strong>Total 2479JV - TEXAS A&amp;M GCOOS</strong></td>
<td></td>
<td>0.00</td>
<td>53,356.00</td>
<td>28,295.56</td>
<td>25,060.44</td>
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</tbody>
</table>

**Report Difference**  
| | 0.00 | 53,356.00 | 28,295.56 | 25,060.44 |
Funding Support II

• Annual Operational Costs Covered?
  – Roughly $26K/$215K or 12%

• Leverage?
  – In the last 3 years: GOMA $220K, CIAP $600K
  – GCOOS is mentioned in each proposal
    • As a partner in adding value to and distributing data
    • As a potential source of sustained funding

• Comments on Funding Support?
  – All operational grants end by 4/14
Results

• www.mymobilebay.com
• Four recent stations, creating an E/W transect across coastal AL
• Maintain data standard established by IOOS
• Attend web programming and SQL server administration training

Success Stories

• Interagency Cooperation
• Data Sharing
Data Usage

• Data is transmitted in near real-time to GCOOS and the NDBC
• NWS Mobile uses Middle Bay station every day for model development and verification
• Alabama Department of Public Health uses water temperature data in Risk Predictor formula for oysters harvested in Mobile Bay area
• Researchers, scientists, educators, students, local fishermen, and tourists
Meeting Data Portal Requirements

• Ability to maintain data portal requirements?
  – Currently meet all requirements
• Are you having any issues providing data to the GCOOS system? If yes, how can we help address them?
  – No technical issues, but anticipate funding restrictions
• Comments on how the GCOOS-RA should handle QA/QC IOOS DMAC requirements?
  – IOOS should consider input from RAs on timeline, budget, and new requirements. RAs can organize meetings for local nodes to voice input and get prepared.
• Can we count on your data flow in the future given existing constraints?
  – For about a year
Understanding Subcontractor Needs

• If your group is losing assets/people, what actions (other than provide funds) can the RA take to help?
  – Technical training and support
  – Internode communication (Facebook/forum etc.)

• What is needed to keep your system healthy?
  – Sustained operational funding

• What is your current operational status?
  – Everything funded is up and running, waves and currents are down for repairs but should be back in service soon

• What is your future outlook (6 months to a year)?
  – Stable, but not beyond a year

• Do you have plans in the near future for technology upgrades?
  – Add relative humidity to all stations
  – Upgrade station data loggers and data telemetry
  – Update SQL server
  – Digitize service and maintenance data
  – Implement the new SOS release (by 52 North) that IOOS likes everybody to adopt
GCOOS Data Portal, Newsletter, Web

- Is the GCOOS Data Portal serving you well?
  - Yes, check operation of sensors

- Are the GCOOS newsletter and website serving you well?
  - Yes

- Has your work/program been highlighted in GCOOS communications?
  - Yes, August 2013 GCOOS newsletter
Concluding Thoughts

- GCOOS very helpful in obtaining funding and support

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<tbody>
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<td>Travel</td>
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<td>93,329</td>
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<td>100,016</td>
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</tbody>
</table>

- Need operational funding
  - Gulf Coast is in a holding pattern