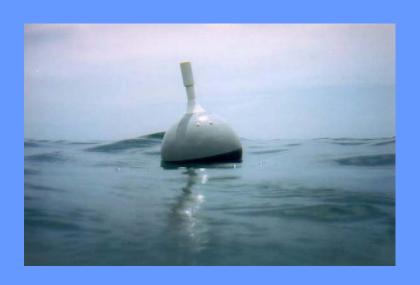
Global Drifter Program (GDP)

Drifter Measurements of Surface Currents, Sea Surface Temperature, Winds and Atmospheric Pressure www.aoml.noaa.gov/phod/dac/gdp.html







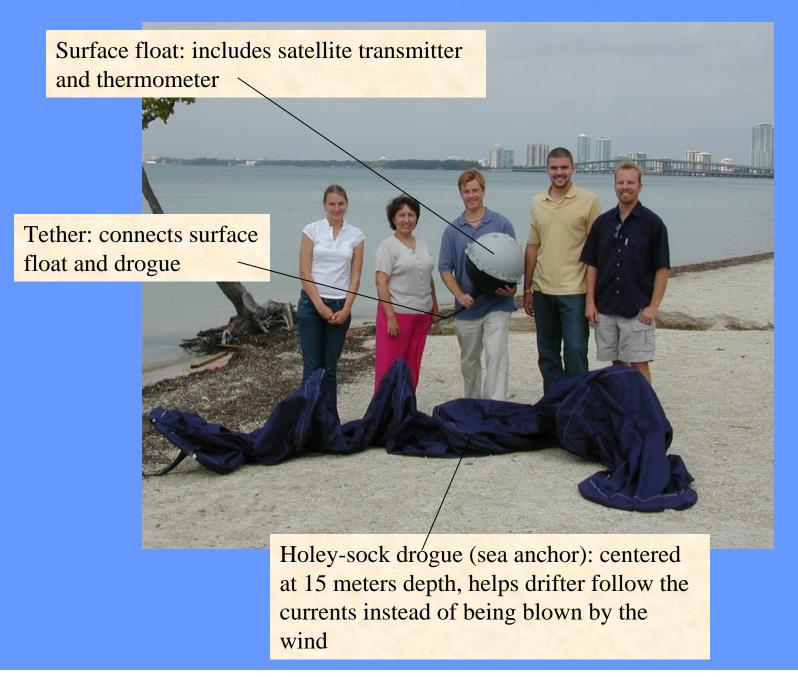
Rick Lumpkin

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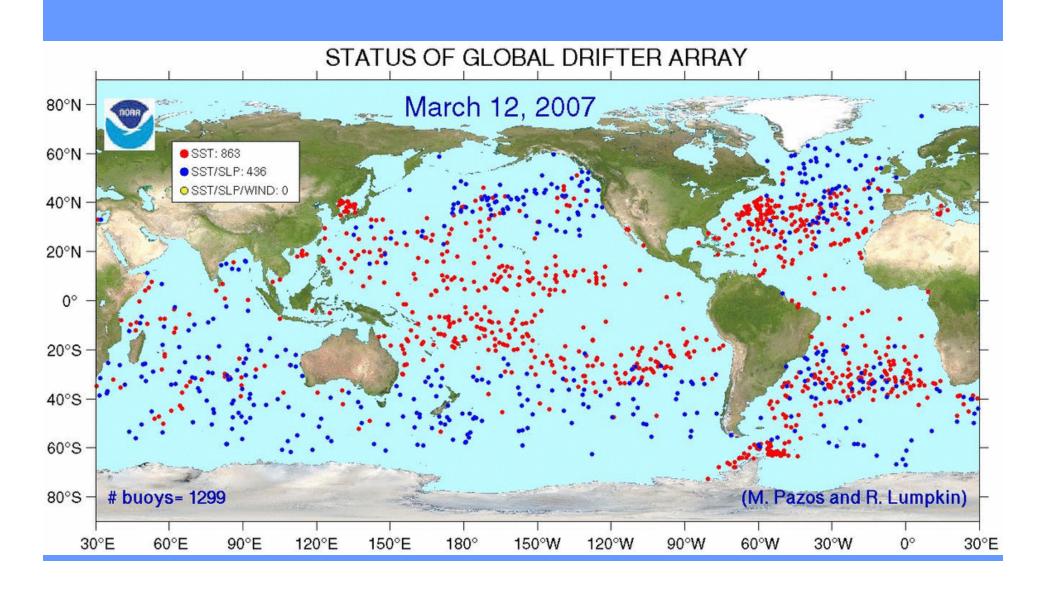
Parts of a drifter





Global Drifter Array

~1250 buoys worldwide



Drifter Operations Center

Objectives:

To maintain a global 5x5 array of Argos tracked lagrangian drifters to meet the need for accurate and global in-situ observation of SST and surface circulation.

These data support:

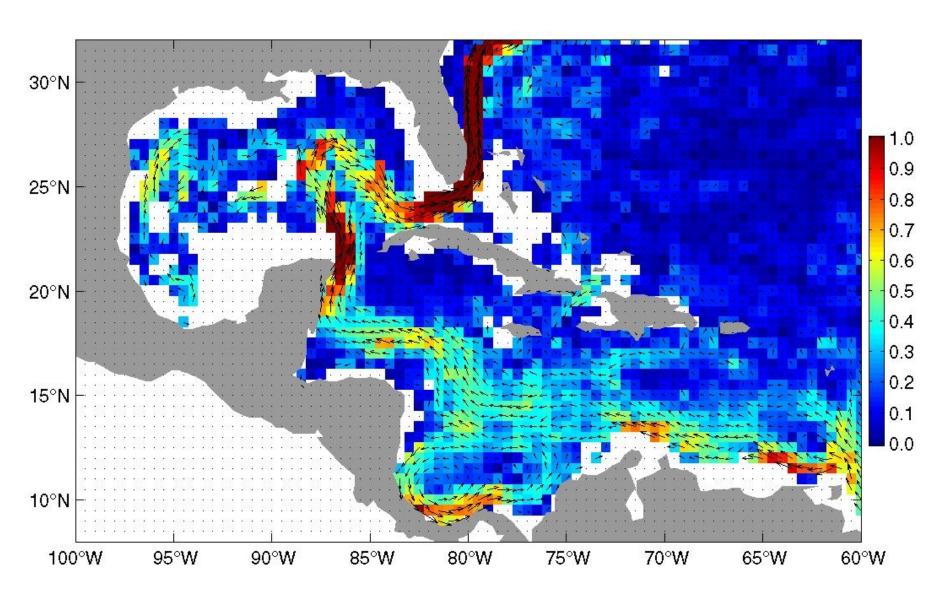
- **➤** Short term climate prediction
- > Satellite observation calibration
- Climate research and monitoring

Drifter Data Assembly Center

Objectives:

The goal of the Drifter Data Assembly
Center is to assemble and provide uniform
quality controlled data of research quality
for sea surface temperature and surface
velocity measurements.

Average drifter speed (color, in meters per second) and direction (arrows) in the Caribbean, Gulf of Mexico and Sargasso Sea



Transports



Drifters measure sea surface temperature and near-surface currents. They show where plankton and passive larvae will go when carried by ocean currents, and what temperature changes they will experience.



