



Caribbean/Gulf of Mexico Node

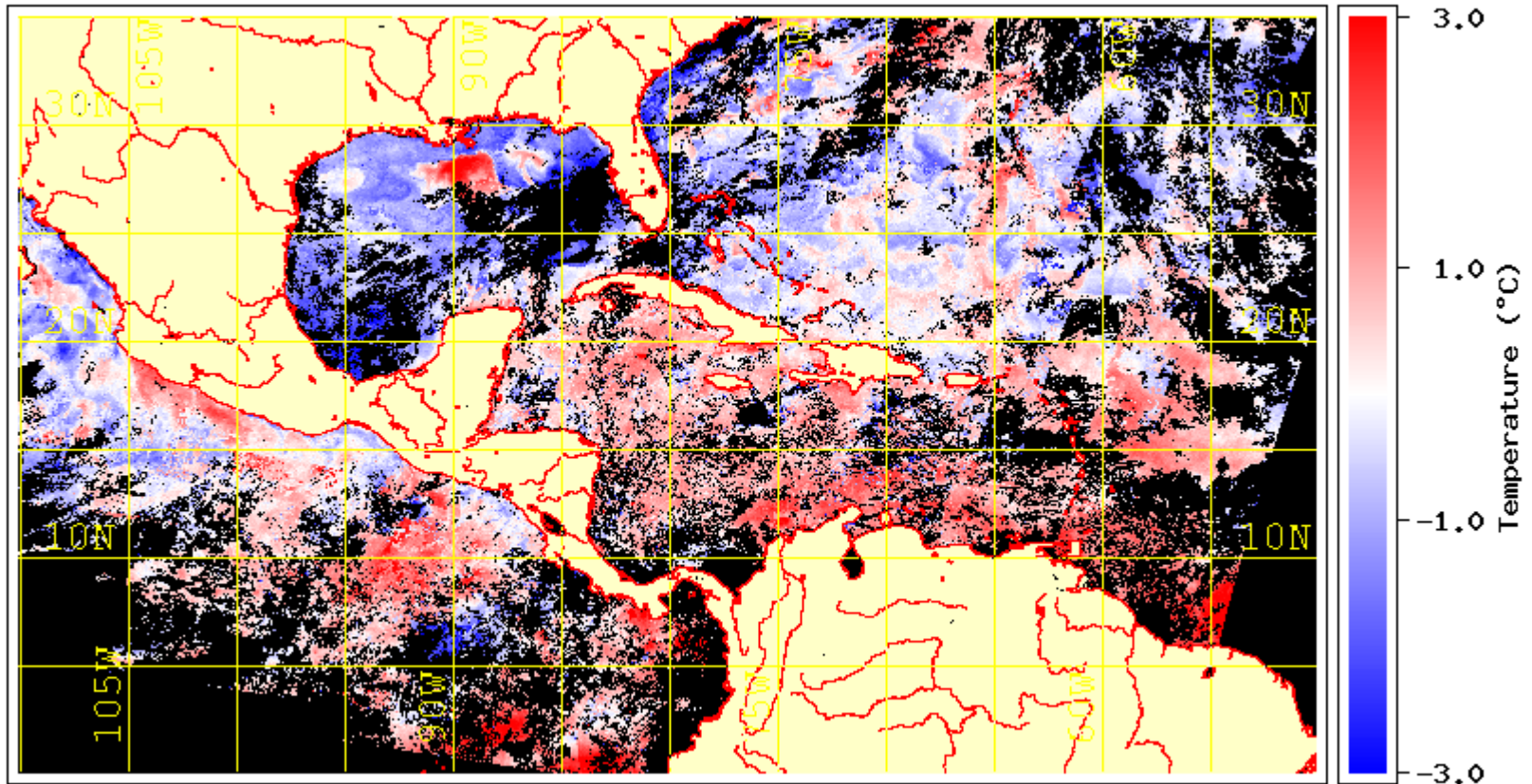


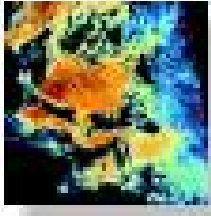
**Access CoastWatch Global Satellite
Data and Products.**

Joaquin Trinanes and Gustavo Goni

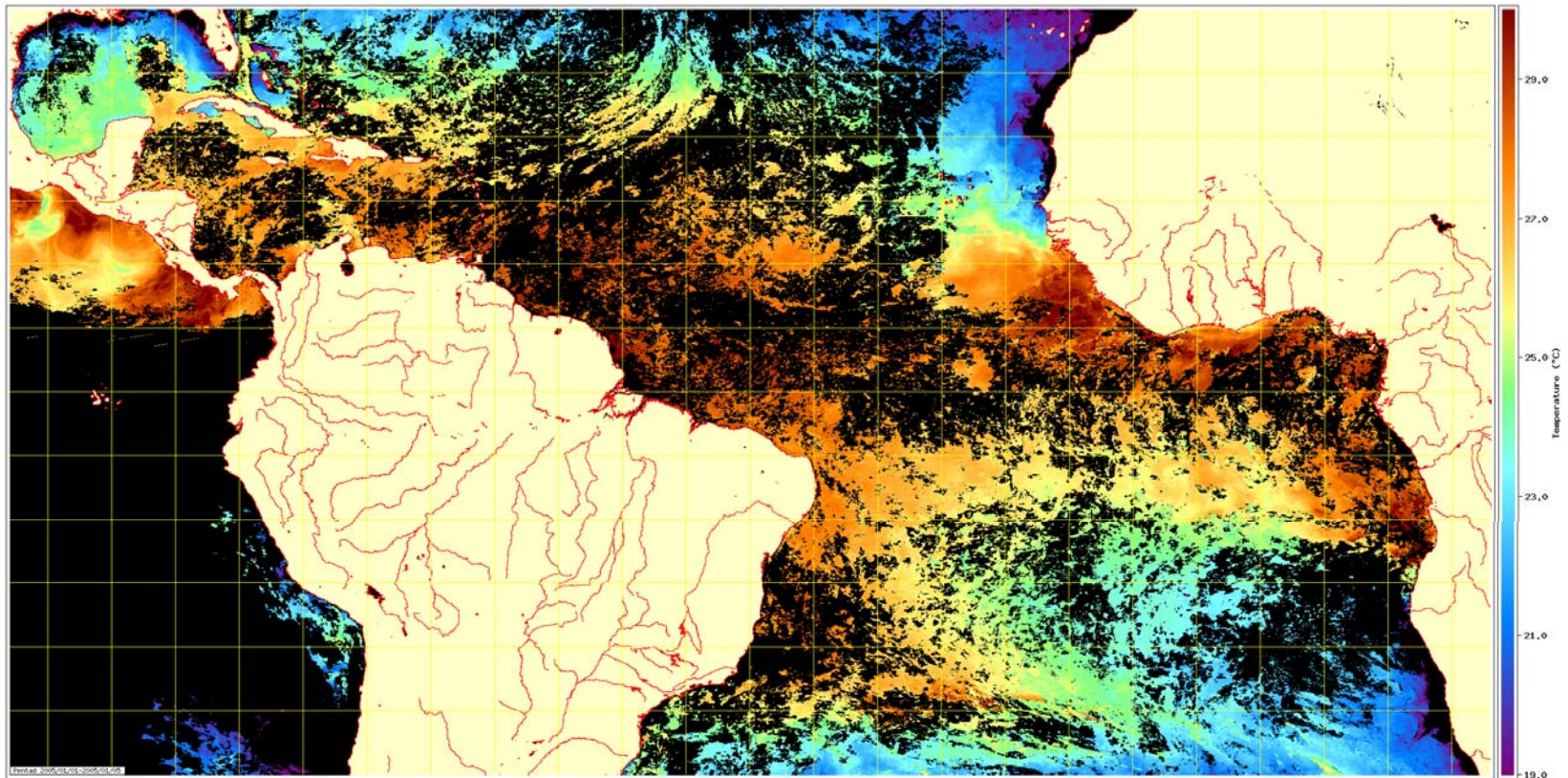


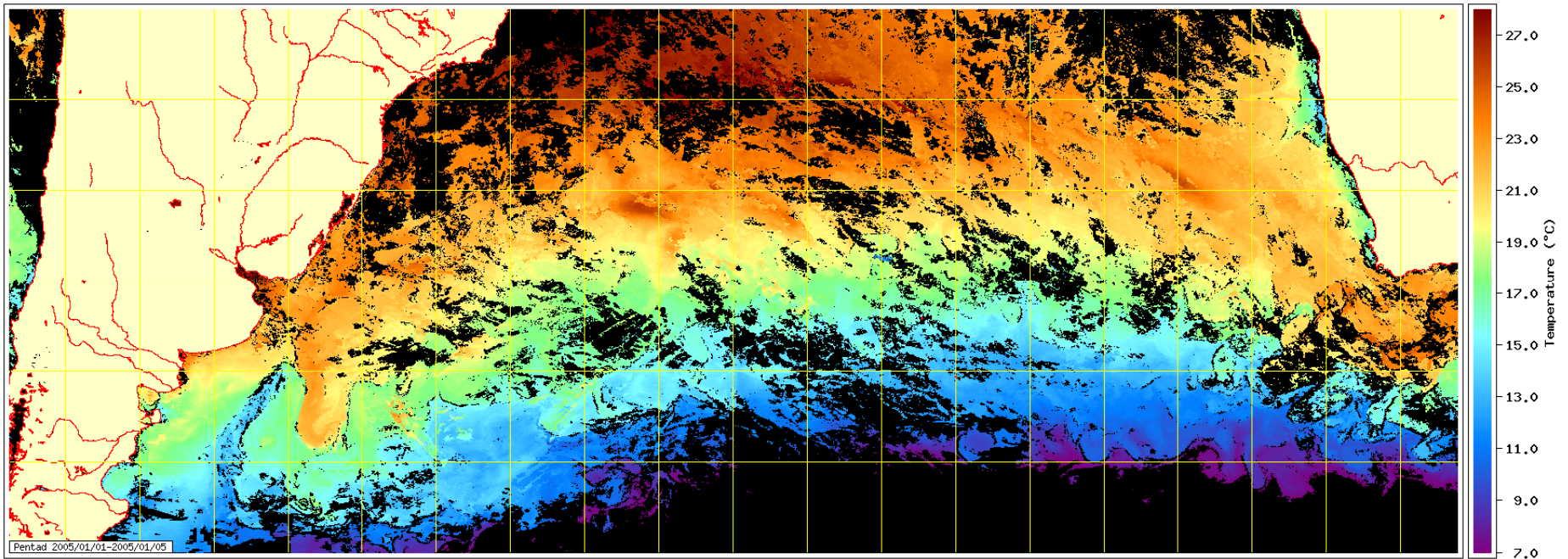
SST Anomalies: View 5-day (pentad) SST anomaly maps for the Caribbean Region. Spatial resolution is 9.28 km.

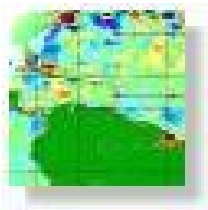




Atlantic SST maps: Display and retrieve daily and pentad Sea Surface Temperature maps for the Atlantic Ocean. These maps are created using data from the POES satellites.



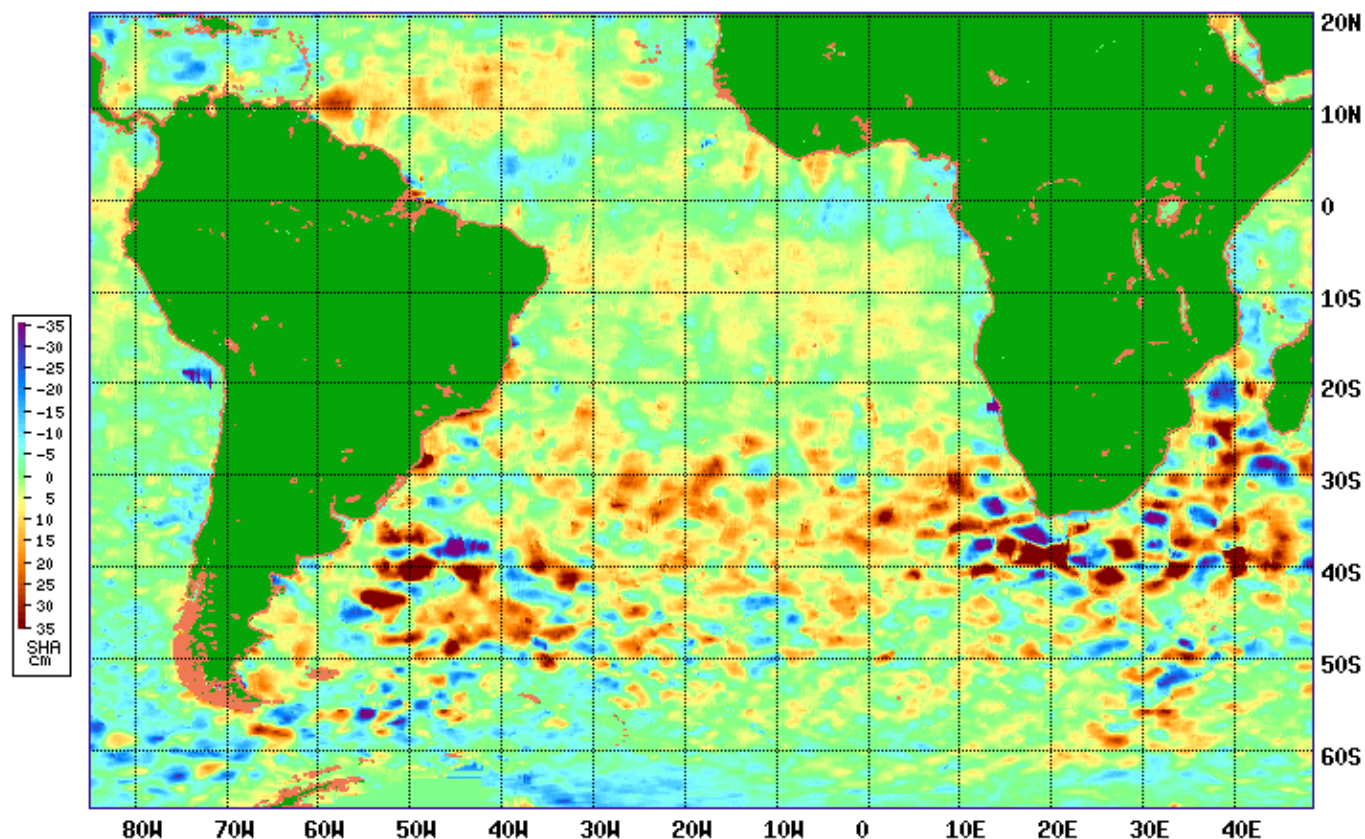




Altimeter and GTS Data: Sea Height Anomalies (SHA), geostrophic currents, and other data from GTS (drifters, XBT, ...).

MAY-5-2005

CoastWatch NOAA/AOML
Altimeter/GTS Interface

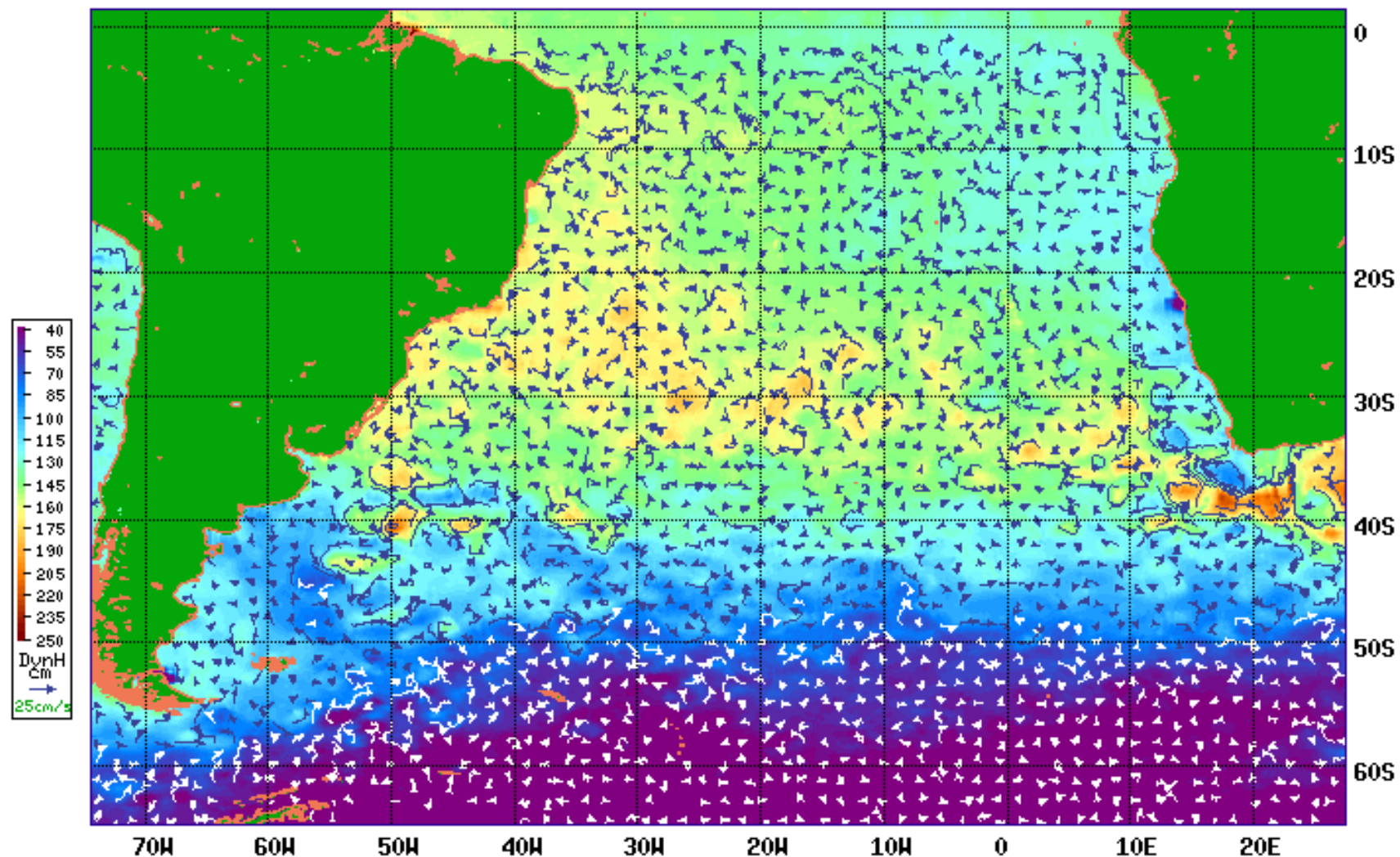


MAY-6-2005

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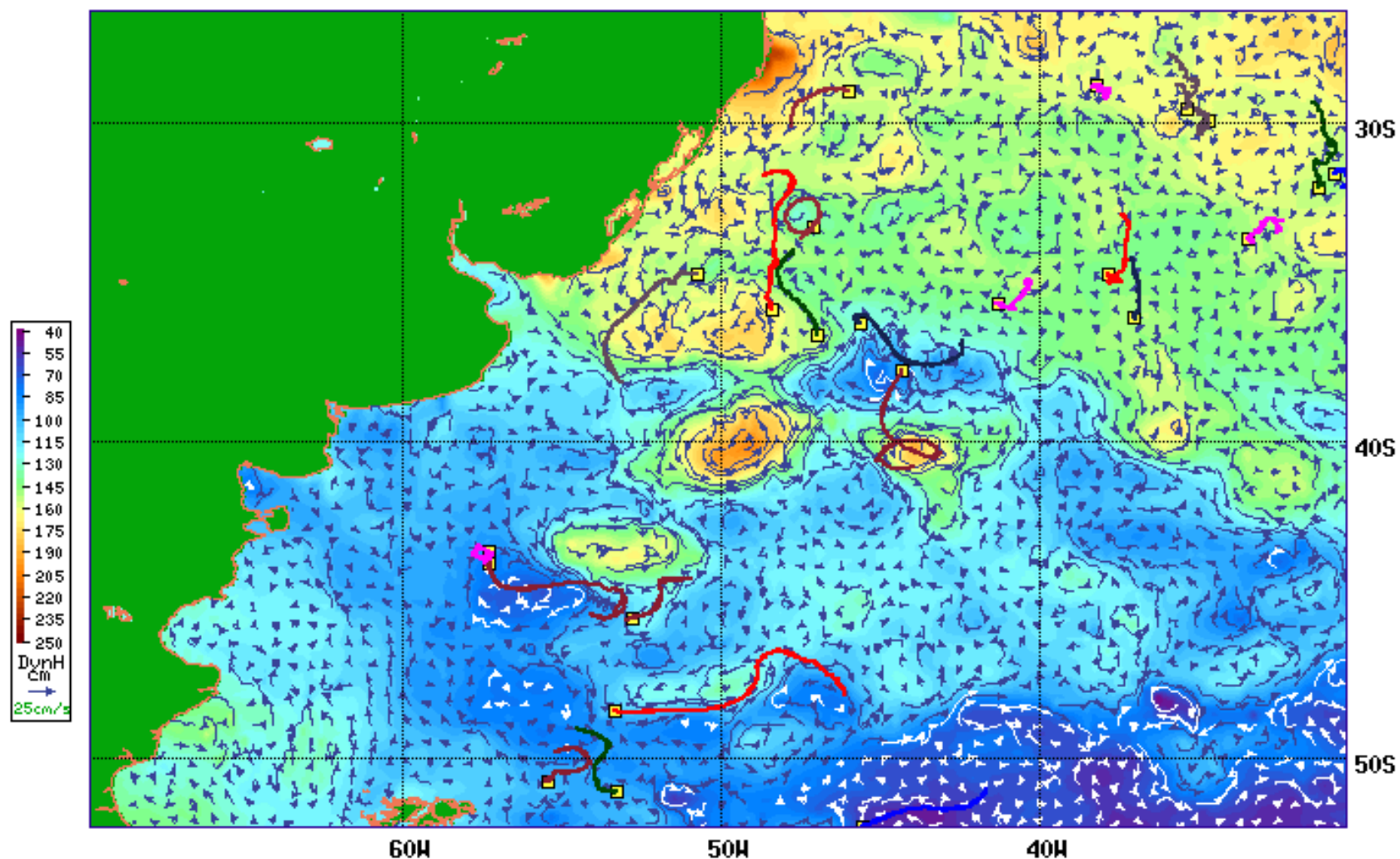


Altimeter/GTS Interface



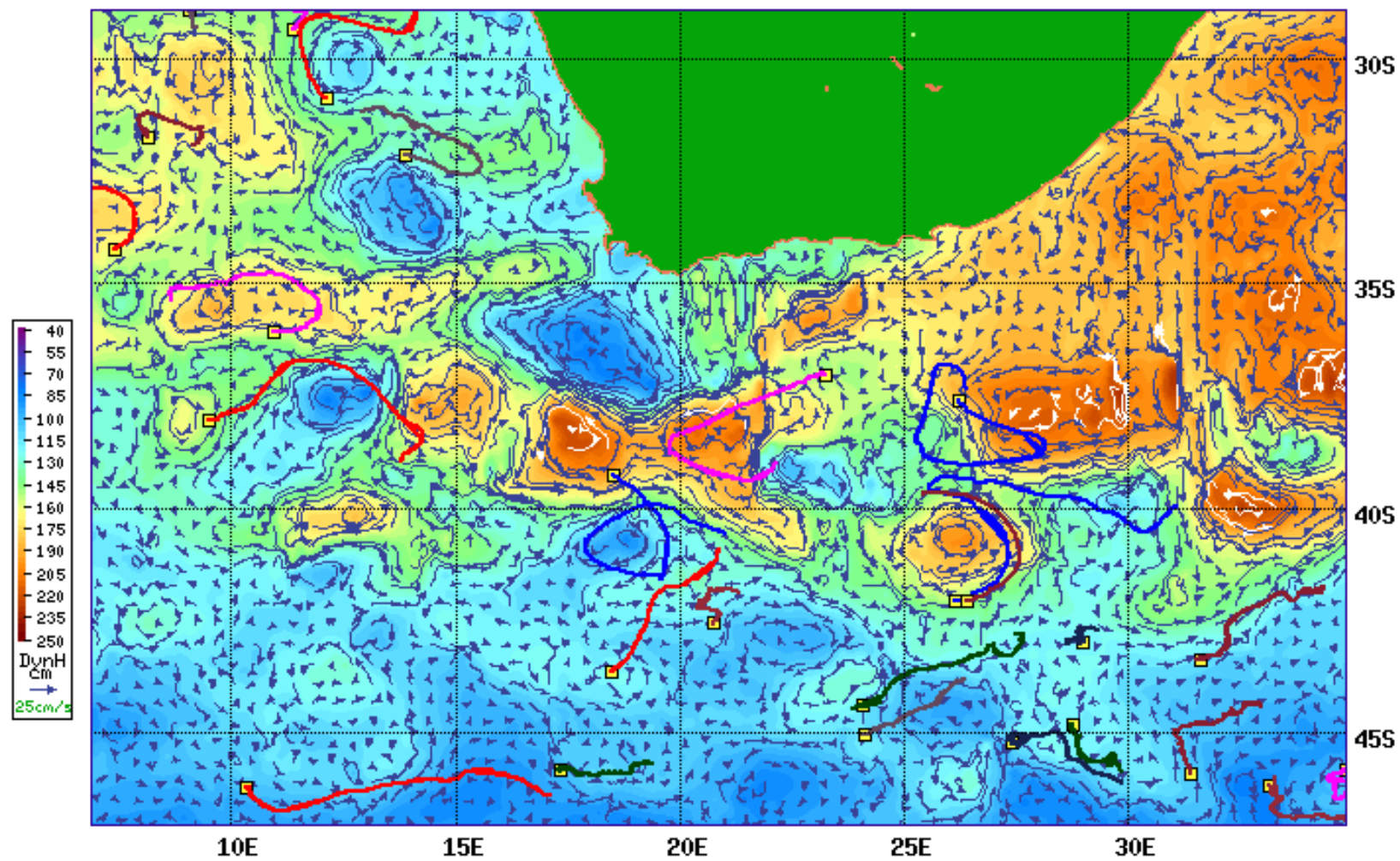
MAY-5-2005

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Altimeter/GTS Interface



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Altimeter/GTS Interface



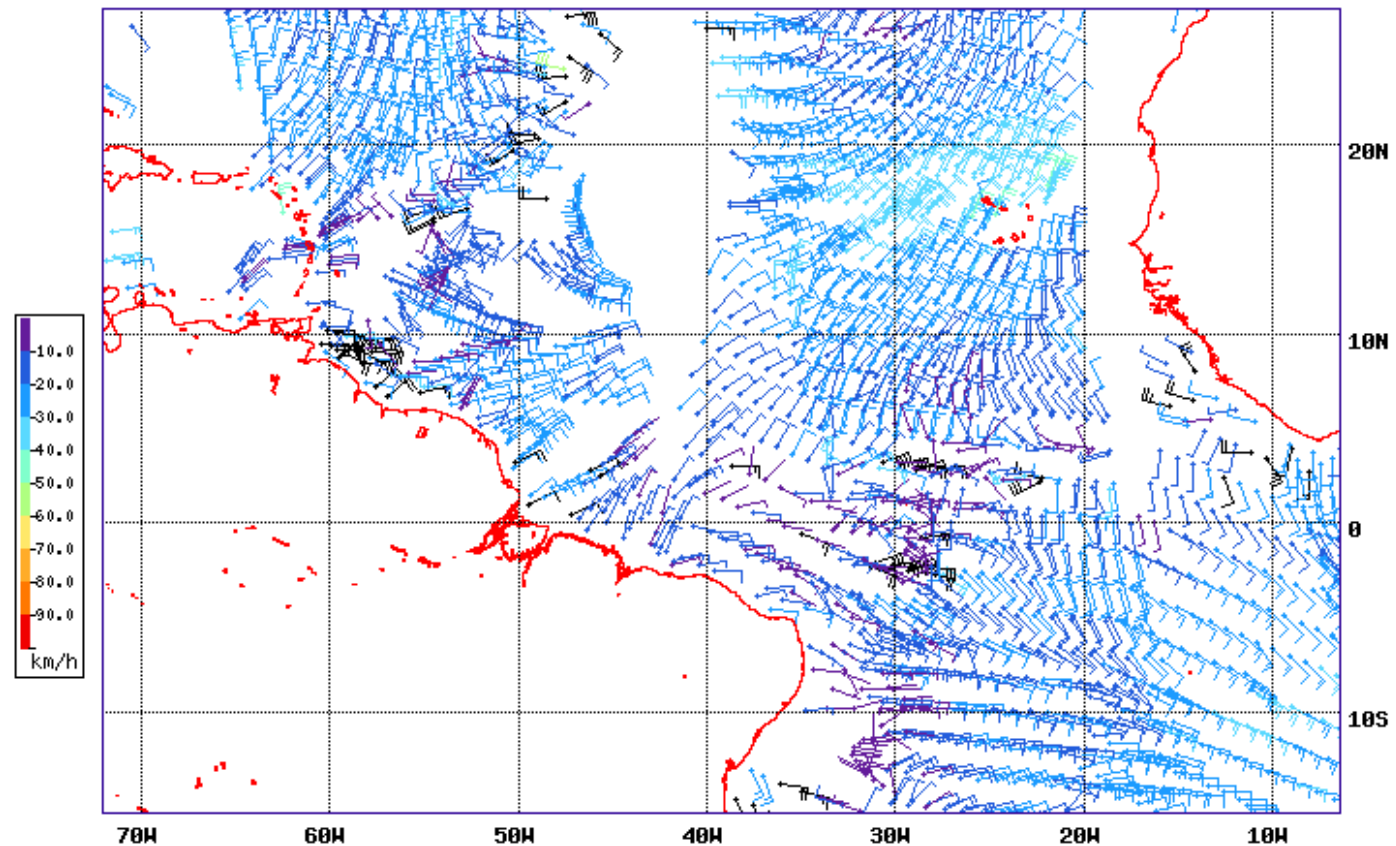


Near Real Time Wind Data: Display and retrieve surface wind data from a variety of sensors (QuikSCAT, SSMI, TMI, ERS-2, TOPEX, Jason-1, GFO and Drifters).

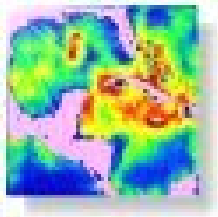
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Winds

MAY-1-2005

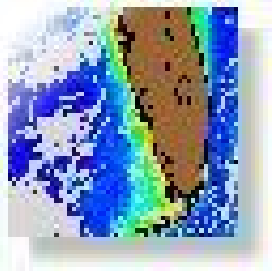


Developed by Joaquin A. Trinanes

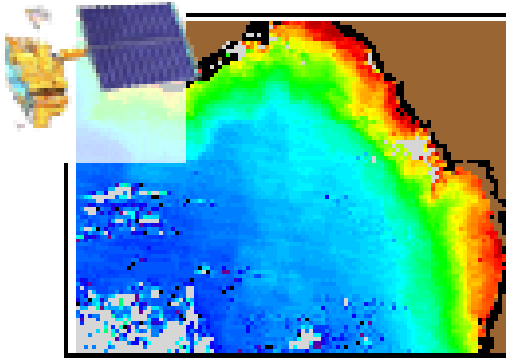


Upper Ocean Heat Content: Upper ocean thermal structure derived from the Sea Surface Height and Sea Surface Temperature fields. Updated daily.





Color Data: The CoastWatch Search Interface provides access to MODIS and SeaWiFS color data for a selected geographic region. Besides Ocean Color, GOES and POES SST products are also available here.



Products: Chlorophyll-a with cloud mask / sun glint (MODOCL2A/B => HDF, GeoTIFF, PNG)

Sensor: Moderate Resolution Imaging Spectroradiometer (MODIS)

Spacecraft: NASA AQUA/TERRA (EOS AM-1/PM-1)

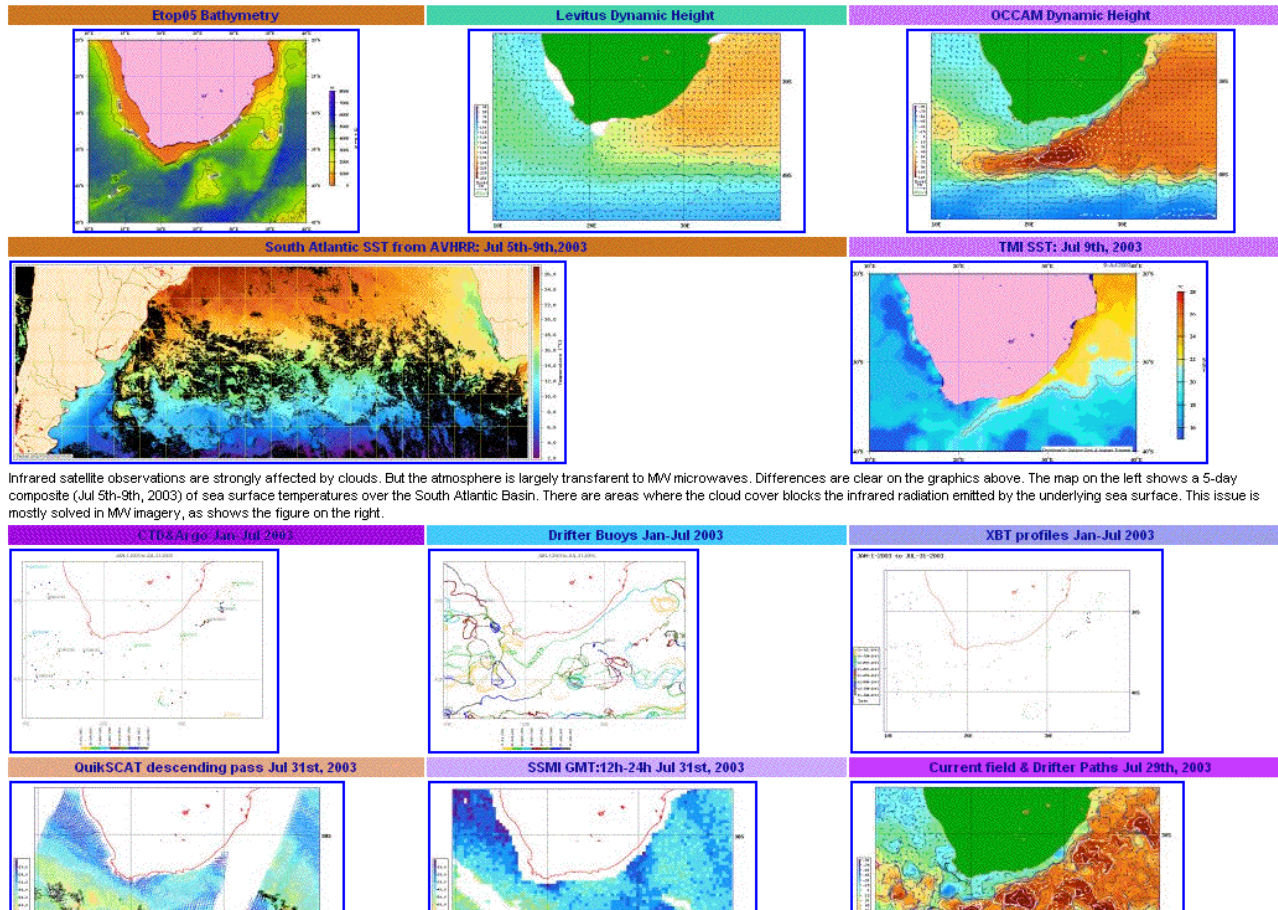
Distribution: [CoastWatch Home Page](#)

Registration Required? No

A Regional Perspective: the Agulhas Current System

The Agulhas current is a Western Boundary Current that retroflects and joins the Atlantic Circumpolar Current (ACC). It has a very significant role in transferring heat into the Atlantic Ocean, as a branch of the Conveyor Belt return flow. It meets the cold Benguela Current off the Cape of Good Hope. References: [Agulhas Ecosystem](#), [Benquela Ecosystem](#)

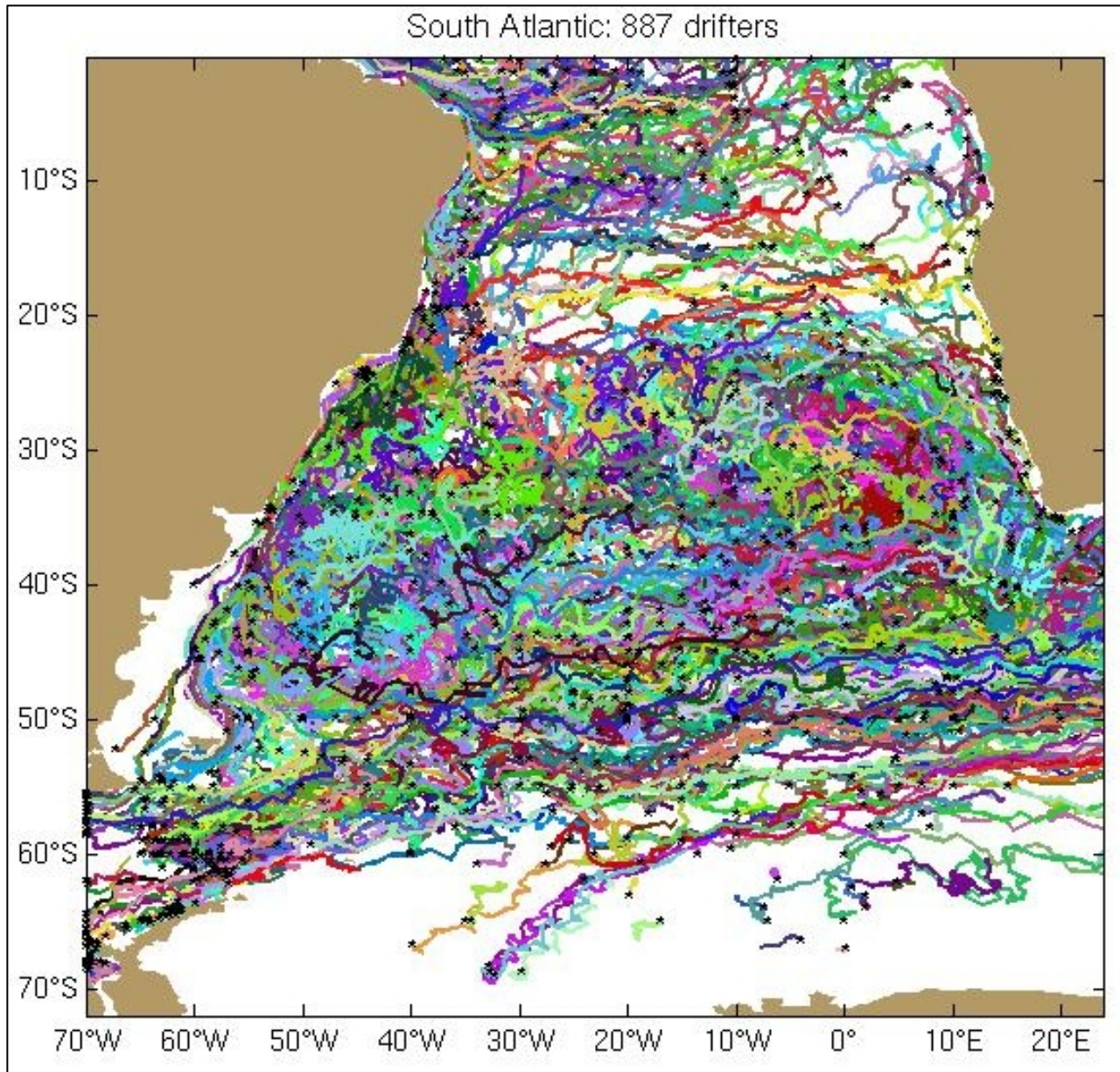
This page shows some basic features of the region:



Atlantic Oceanographic and Meteorological Laboratory

Drifting Buoy Data Assembly Center

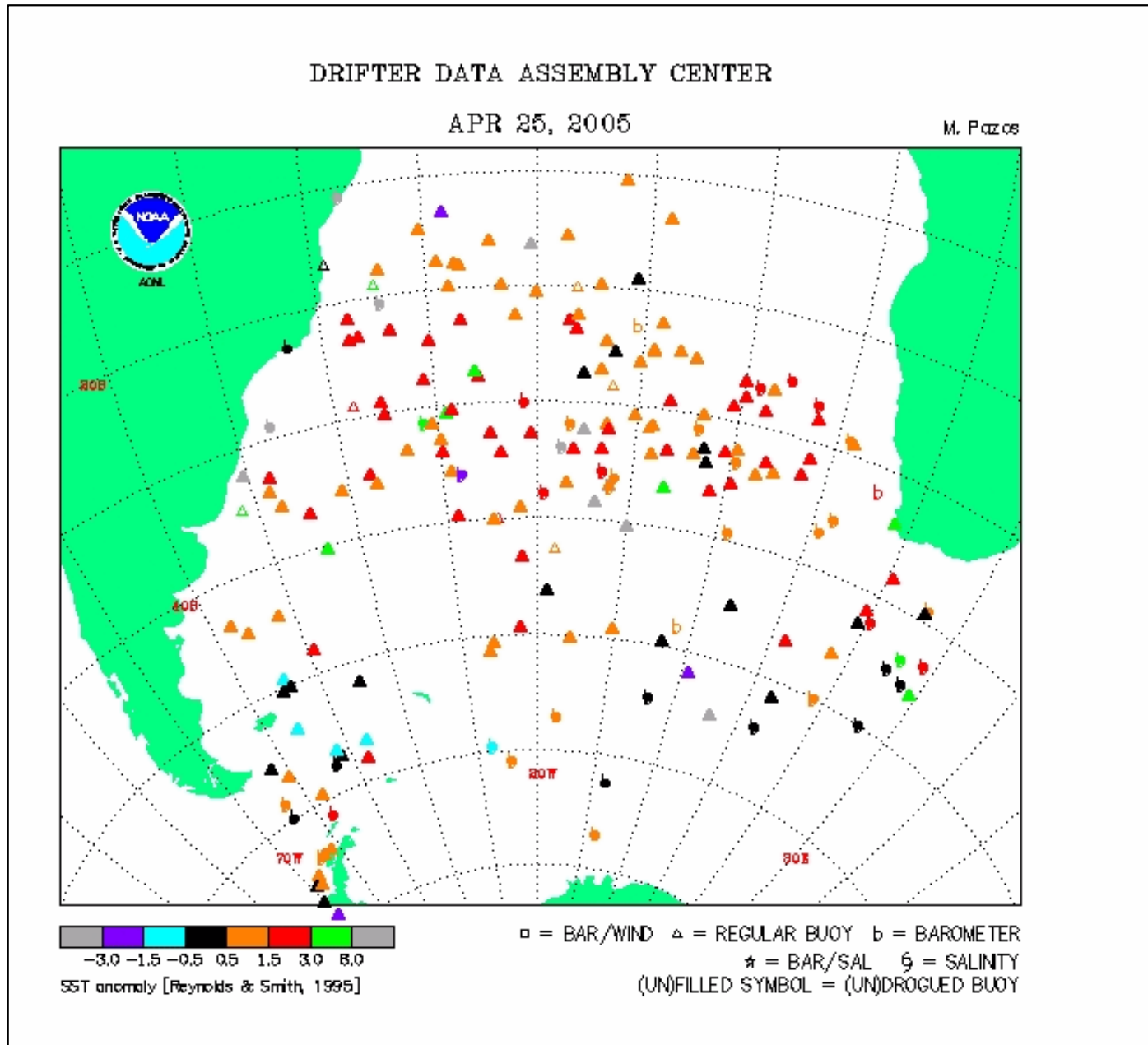
Quality controlled drifting buoy observations



Nov. 1989-present:
887 drifters in the South Atlantic
(826 with drogues to measure
mixed-layer currents)

688 drifter-years of data!

Weekly maps: position and SST anomalies



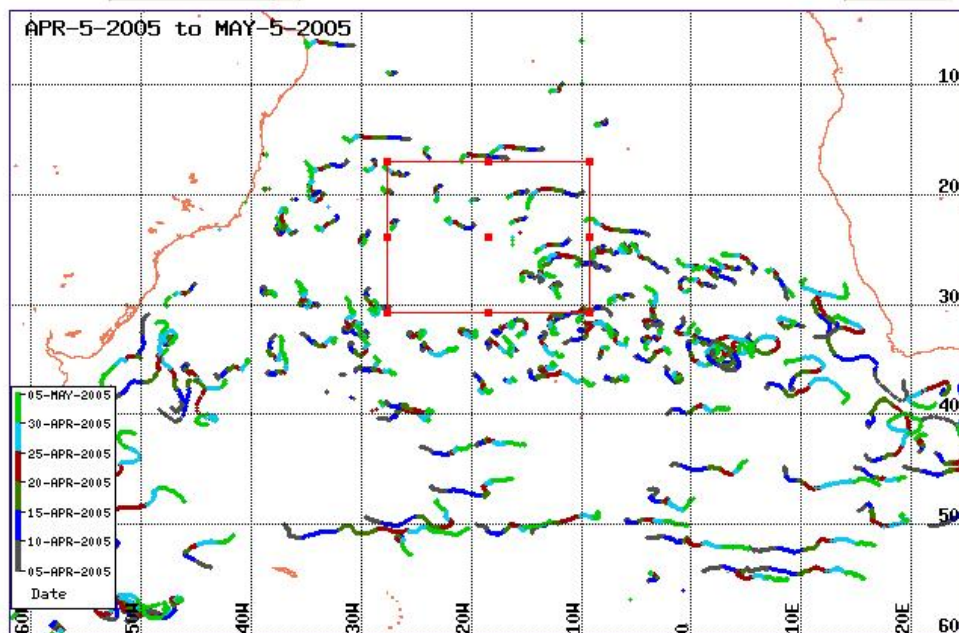
Drifting buoys reporting on the GTS (Global Telecommunication System)

This interface provides access to AOML's historical and near-real time databases. Output is available in graphical and ASCII formats. When working with the hurricane drifter array, users will have also access to the storm track database to facilitate comparison between both datasets. More information [here](#)

[XBT & GTS Data](#)

[GOOS Home](#) | [CoastWatch Caribbean Home](#) | [Disclaimer](#) | [Help](#)

Choose Data Set GTS Buoys (WMO Code ZZZY) PlatformID <<Back



Lon

Final Date

Lat

Initial Date

Graphics



Select area on any of the two maps

- Map
- Lat-Time
- Lon-Time
- Depth-Time

Please, address your questions or comments to [Joaquin A. Trinanes](#)

Animations of monthly mean currents and SST (time-mean field shown here)

