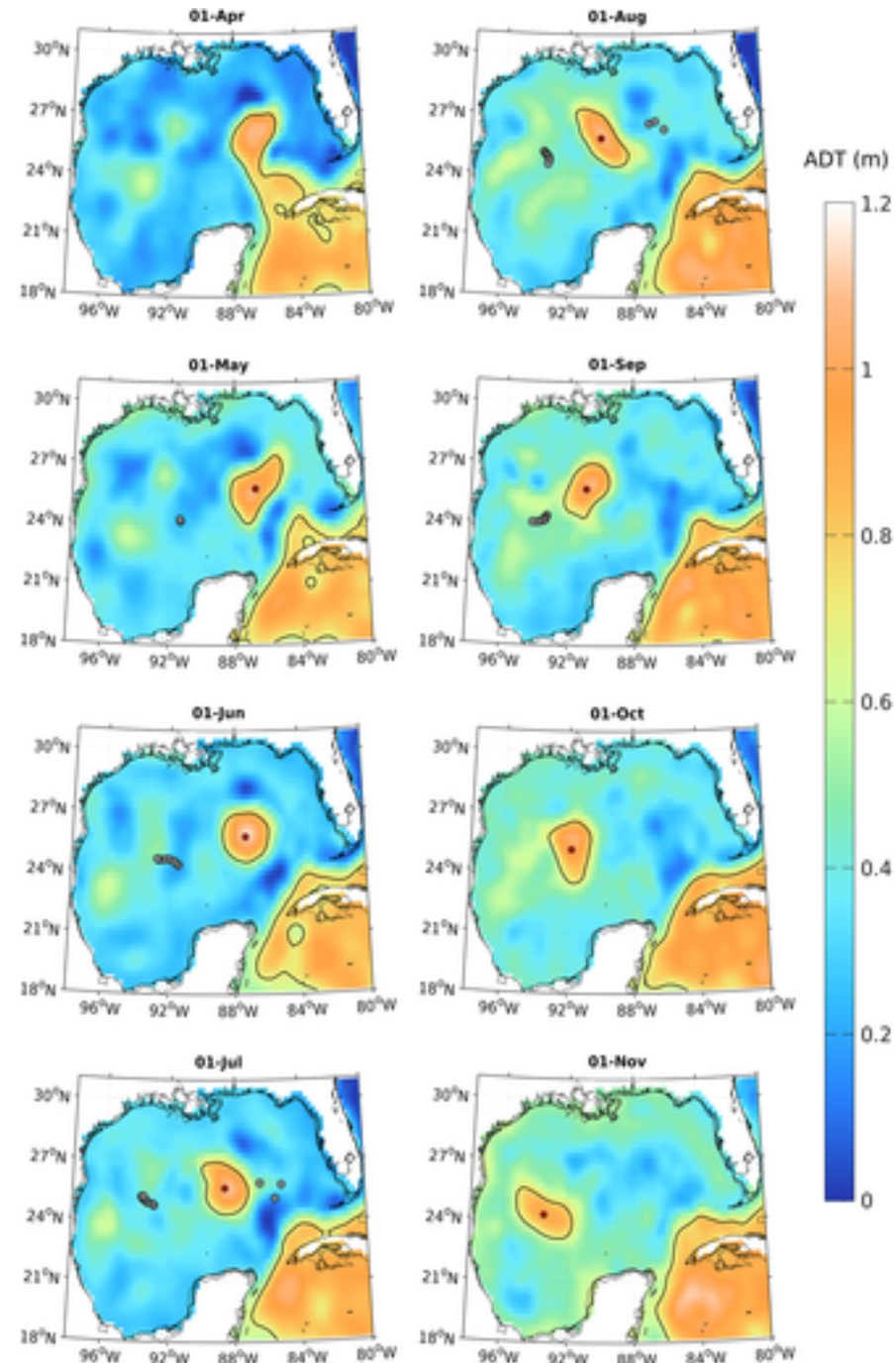


# Poseidon

Meunier et al 2018.

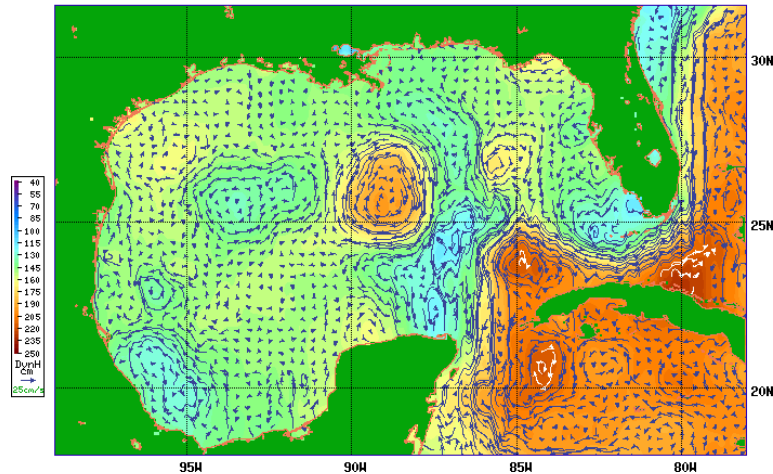
## Figure 2

**Snapshots of ADT (m) from 01 April to 01 November 2016.** The 0.7-m ADT isopleth is materialized by a black contour line. The red dots stand for the centroid of the 0.7-m ADT isopleth. The grey dots represent the location of the Argo profiles available during this time lapse. A list of the latter is available in Table [A1](#). ADT = Absolute Dynamic Topography.

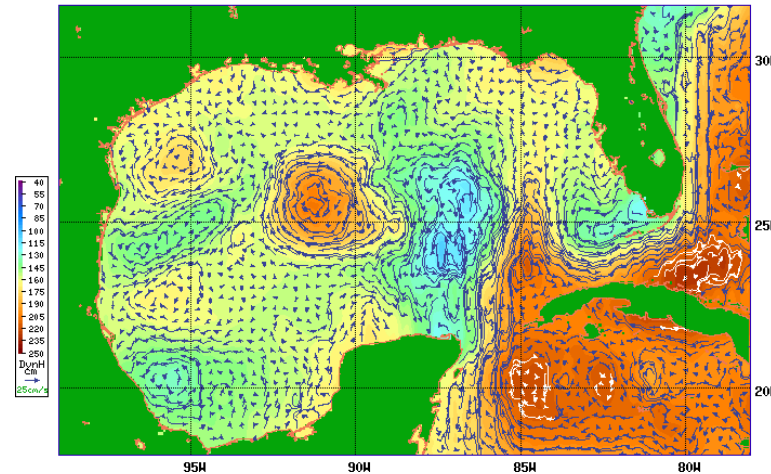


# Kraken from low res altimetry (<https://www.aoml.noaa.gov/phod/dhos/altimetry.php>)

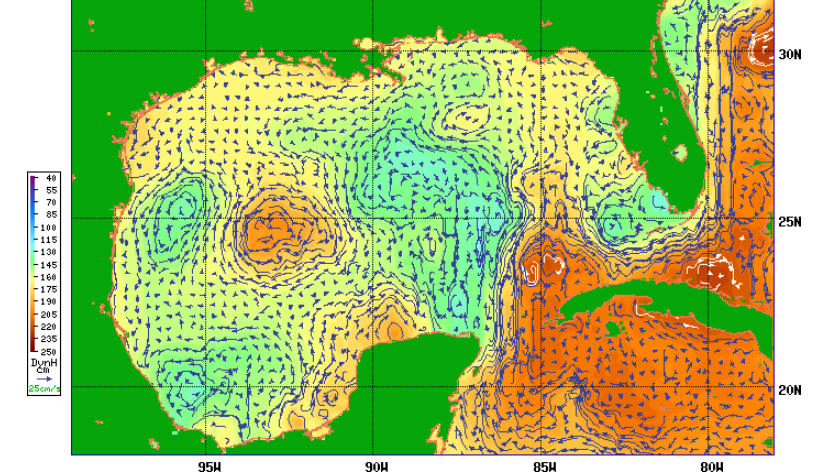
JUN-18-2013 CoastWatch NOAA/AOML  
Altimeter/GTS Interface



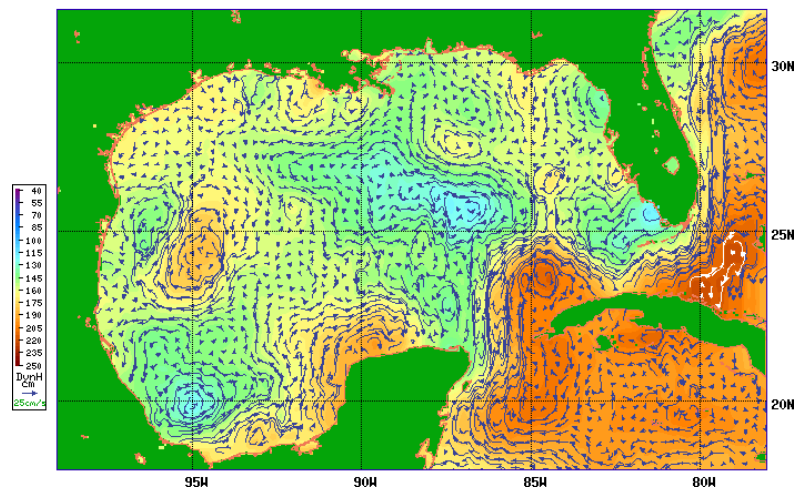
AUG-30-2013 CoastWatch NOAA/AOML  
Altimeter/GTS Interface



OCT-30-2013 CoastWatch NOAA/AOML  
Altimeter/GTS Interface



NOV-30-2013 CoastWatch NOAA/AOML  
Altimeter/GTS Interface



Fairly circular with no clear appearance of cyclones near its rim. Cyclones were present surrounding it as part of the detachment from the Loop Current, and also the large cyclone present in the western basin which later interacted with Kraken as it approached the western boundary.

See more on the coherence of this eddy in Beron-Vera et al 2018.

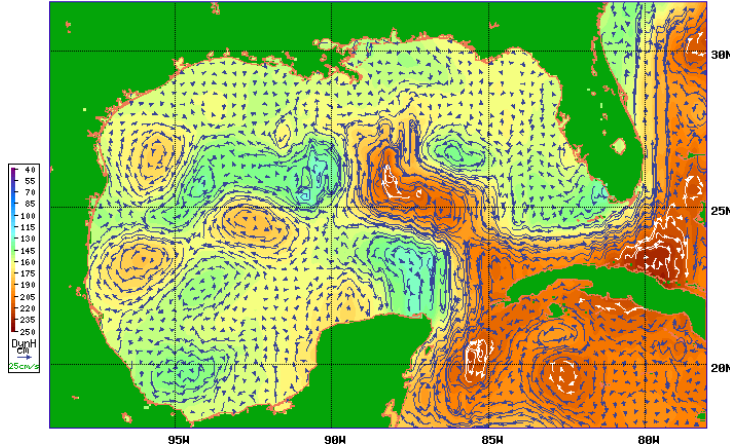


# LCE in this study with low res altimetry

SEP-24-2023

CoastWatch NOAA/AOML  
Altimeter/GTS Interface

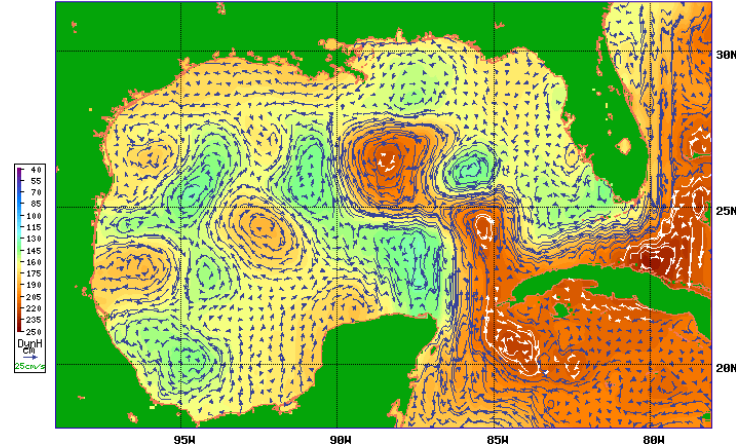
CoastWatch



OCT-7-2023

CoastWatch NOAA/AOML  
Altimeter/GTS Interface

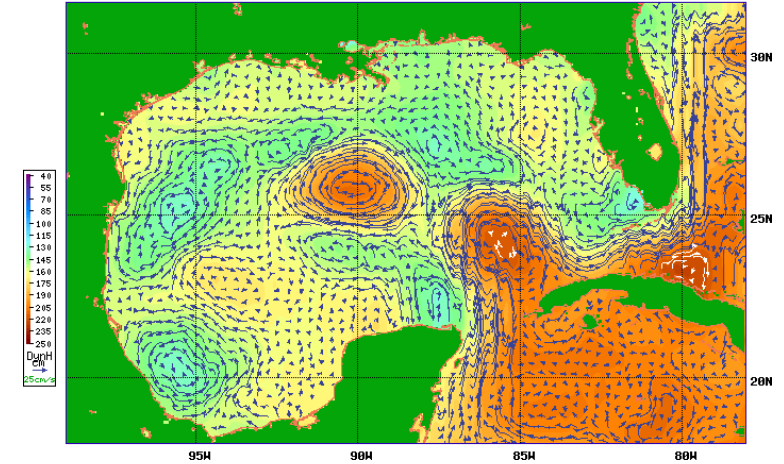
CoastWatch



DEC-12-2023

CoastWatch NOAA/AOML  
Altimeter/GTS Interface

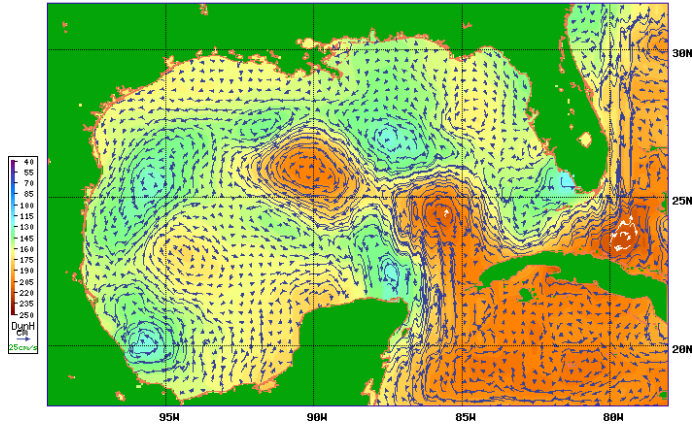
CoastWatch



DEC-23-2023

CoastWatch NOAA/AOML  
Altimeter/GTS Interface

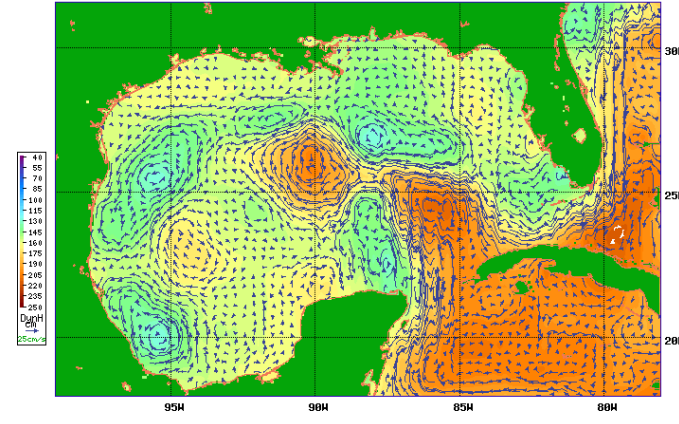
CoastWatch



DEC-30-2023

CoastWatch NOAA/AOML  
Altimeter/GTS Interface

CoastWatch

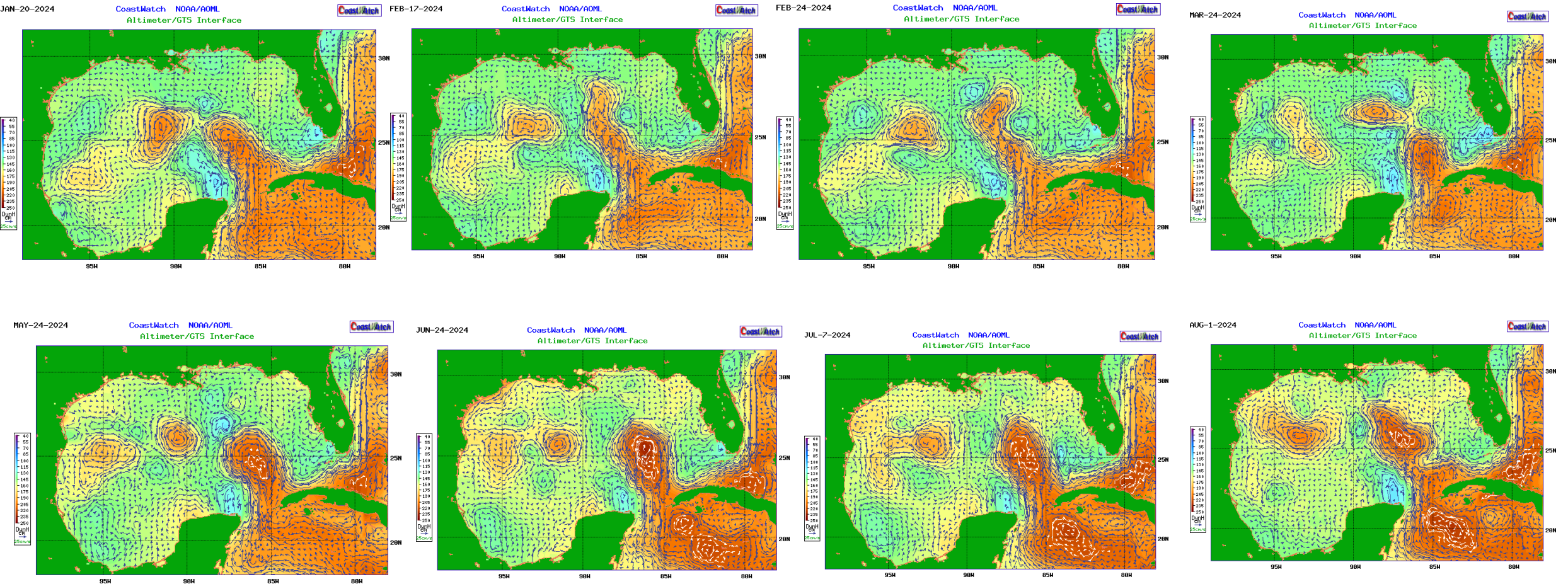


Very active mesoscale field present when this eddy was formed

Cyclonic circulations surrounded it even before it was “born” (4 cyclones were surrounding it before it detached from the LC, september/october 2023)

4 cyclones in squared vortex configuration visible in 23 and 30 December 2023 (fig 1j,k in paper)

# LCE in this study with low res altimetry, lifecycle



Notice dipole for February 17 and 24, 2024 (fig 1p,q)

Lifecycle includes nearly splitting in two (March), and apparently merging in August with the LCE that was formed in March (last panel is an animation). Hence its lifetime lasted at least from December 2023 to August 2024.