Surface Currents for US Coast Guard Search and Rescue (SAR)

MARACOOS 20th Anniversary Washington, D.C. May 22, 2024





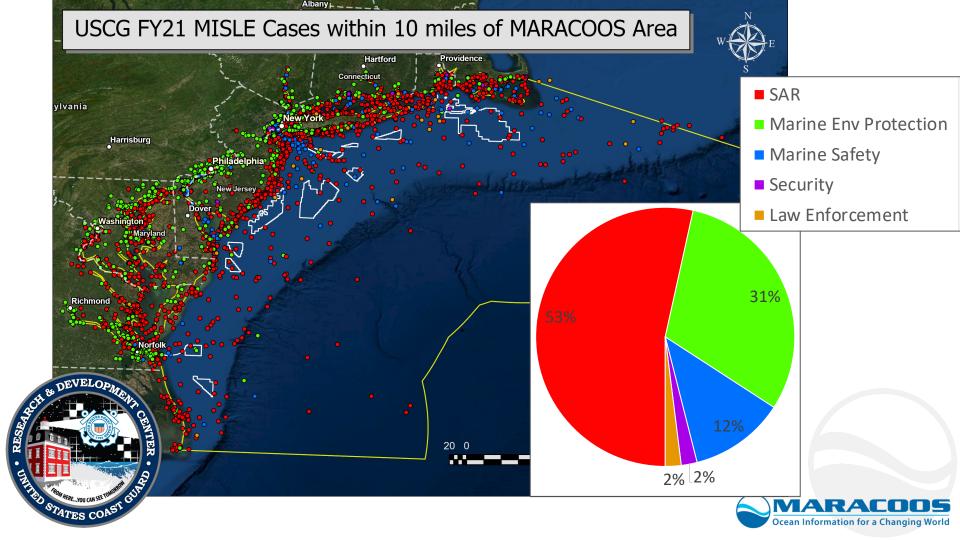
USCG Search and Rescue Statistics for 2024

(as of 04/05/2024)

Cases: 4,879

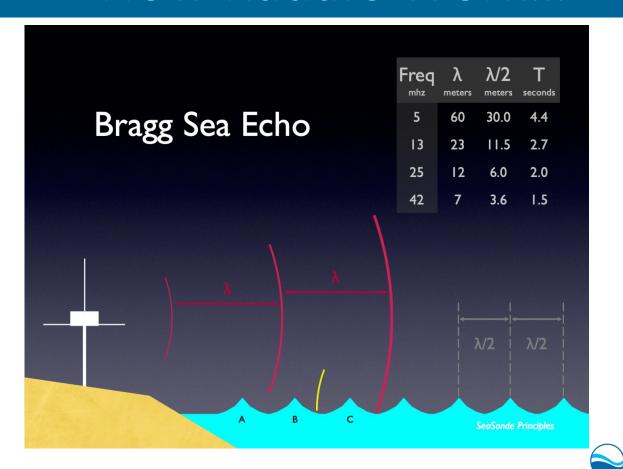
Lives Saved: 1,477

Property Saved: \$31.4M



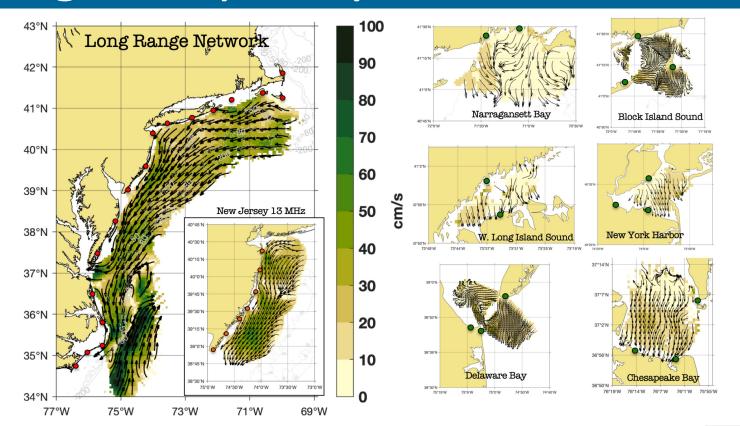


How Radars Work...



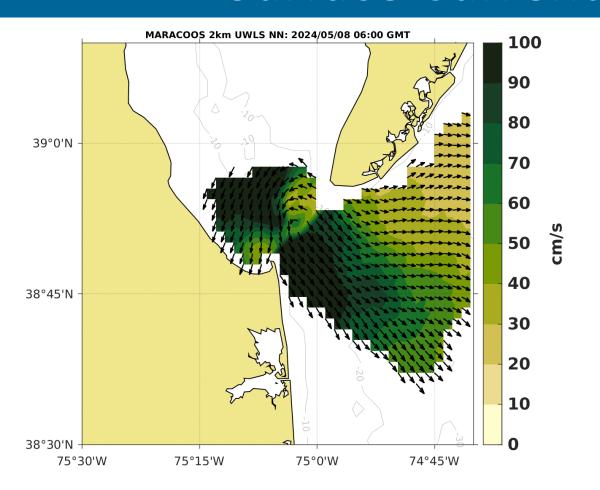
Ocean Information for a Changing World

High Frequency Radar Network





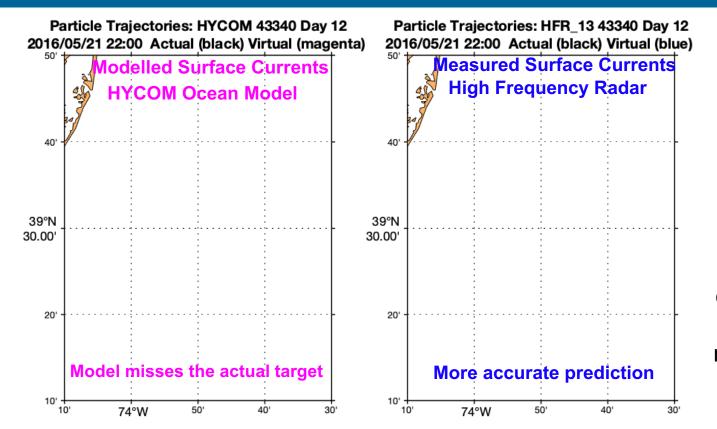
Surface Currents

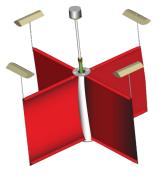


6 hour animation of Delaware Bay May 8, 2024



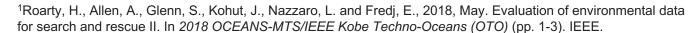
Modelled vs Measured Currents





GPS Surface Drifter

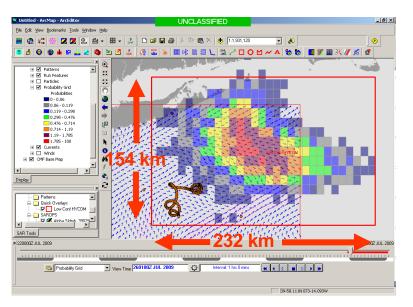
Measured surface currents are 6 times more accurate than modelled currents in the coastal ocean¹

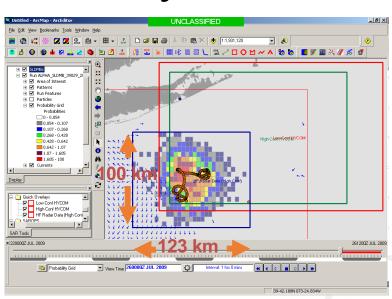




How much more accurate?

Search area reduced by 2/3 !!!





→ Benefit: Saving more lives and property AND cost savings to taxpayers

