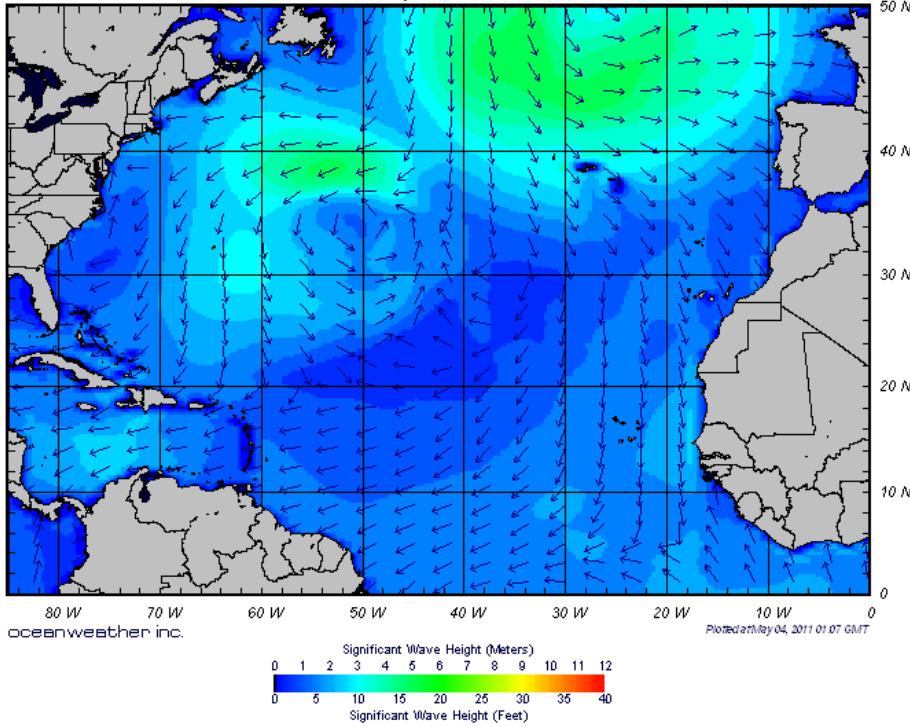




# SMART VOYAGE PLANNING DECISION AID

Significant Wave Height with Wave Direction  
Valid For May-04-2011 06:00 GMT



## What is it?

Smart Voyage Planning Decision Aid (SVPDA) is a computer software application that will be used by the Navy's Fleet Weather Centers in Norfolk and San Diego to push optimized ship routes to all Navy ships for both maximum fuel efficiency and safety.

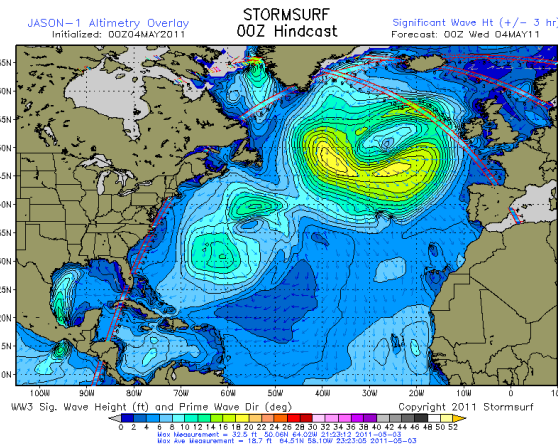
## How does it work?

SVPDA reduces energy consumption by exploiting ship-specific hydrodynamic and propulsion data and real-time knowledge of the physical environment including:

- Wind
- Waves
- Currents
- Ship-specific hydrodynamic and propulsion data

## What will it accomplish?

SVPDA capitalizes on real-time weather data and computing power to plot routes for fuel savings after the system is fully developed and fielded.



## Applications

Fleet-wide.

## Benefits

Potential for significant fuel savings.



## For More Information

Contact via NAVSEA Public Affairs at (202) 781.4123 or [NAVSEAPublic\\_Affairs@navy.mil](mailto:NAVSEAPublic_Affairs@navy.mil)