

National Weather Service
Product Description Document (PDD)
Experimental Gulf Stream Forecast
November 2015

Part 1: Mission Connection

1. Product Description:

The Experimental Gulf Stream Forecast is a 3 hourly forecast for areas along the Gulf Stream as output from the NearShore Wave Prediction (NWPS) model from the WFO Miami Forecast Office. The graphic display shows the Gulf Stream current, significant wave height, wind speed, and peak wave period and direction in graphical formats. There are 4 separate geographical areas, and all the graphs can be stepped in time or looped on the webpage.

2. Purpose/Intended Use:

The purpose of this experimental product is to provide customers and partners with a quick, easy, and efficient method to review the ocean conditions for the Gulf Stream in WFO Miami's area of responsibility.

3. Audience:

The Experimental Gulf Stream Forecast can be used by the public, coast guard, emergency managers, media partners, mariners, and the private sector.

4. Presentation Format

The forecast will be available in graphical format. These files can be viewed at

http://innovation.srh.noaa.gov/nwps/nwpsloop.php?site=MFL&loop=Miami_Freeport&cg=1

5. Feedback Method:

Comments will be compiled and evaluated through an interactive link on the product webpage. Comments will be solicited through December, 2016. At the end of the comment period, if feedback is favorable, the product will be evaluated to possibly be expanded to other WFOs with their forecast area in the Gulf Stream.

Survey link: www.nws.noaa.gov/survey/nws-survey.php?code=GSSRF

Part 2 – Technical:

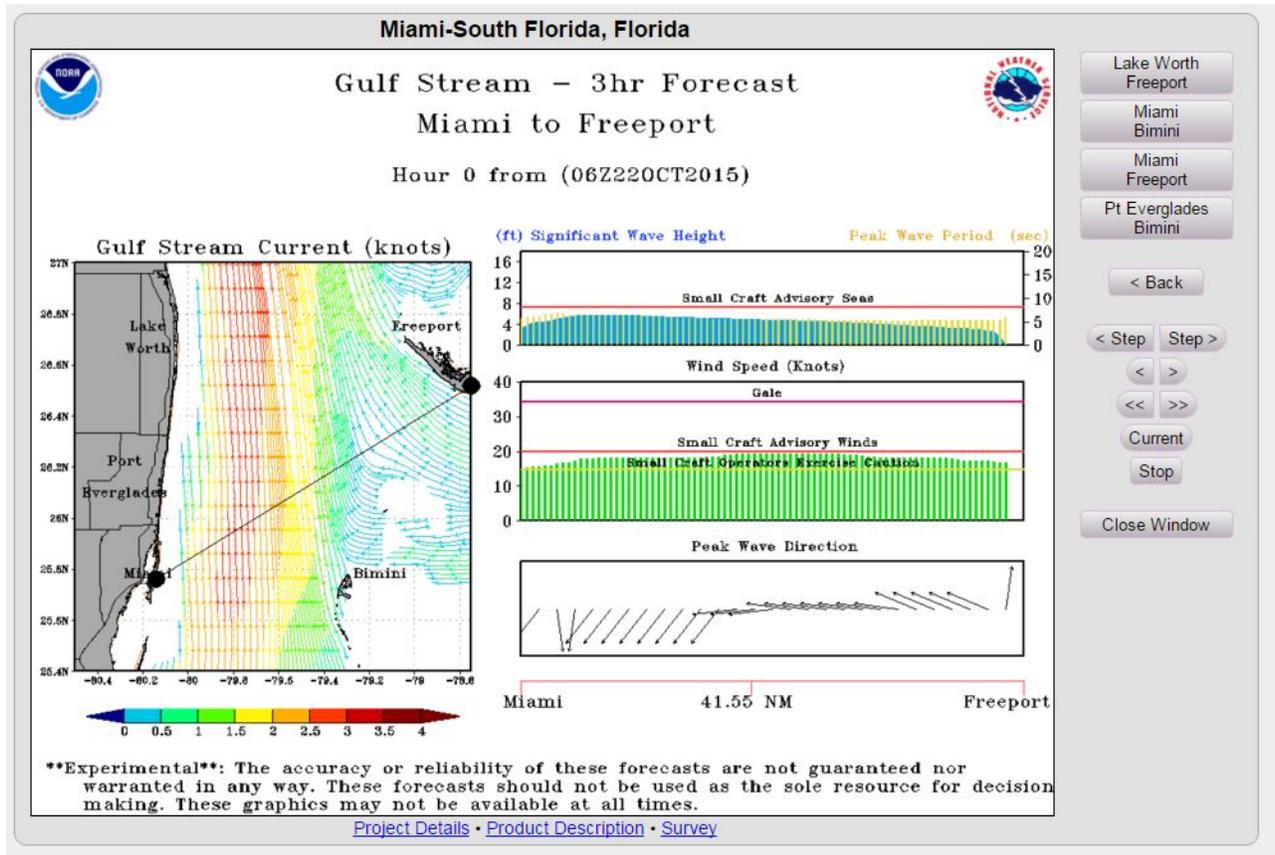
1. Format and Science Basis:

The graphics are built in png format from output generated by the Nearshore Wave Prediction System ran by local offices.

2. Availability

The experimental product will be available 24 hours a day, 7 days a week by visiting the webpage at http://innovation.srh.noaa.gov/nwps/nwpsloop.php?site=MFL&loop=Miami_Freeport&cg=1
The graphics will update at least twice a day and more often during rapidly changing weather conditions.

3. Additional Information:



Additional Information may be obtained by contacting the NWS Miami office:

National Weather Service
 11691 SW 17th Street
 Miami, FL 33165

Pablo Santos, MIC at WFO MFL: Pablo.Santos@noaa.gov or 305-229-4500