

NHC/TAFB Decision Support During Hurricane Ian

Stephen Konarik

NHC/TAFB Marine Forecaster

USCG/Navy/NOAA Partners Focal Point



Our Customers: The Mariners and the Mets



The Anguillian Newspaper



Table-top Exercises

USCG District 8 Hurricane Tabletop Exercise April 20-21, 2022

Planning

- Stephen Konarik led the TAFB team with Andrew Hagen and Amanda Reinhart
- Began planning with USCG District 8 in January 2022
- Two separate, simultaneous hurricanes impacting District 8/Gulf of Mexico (Texas coast and Florida Panhandle/Mobile Bay)
- Alexandria Andonian (Storm Surge Unit) provided the Storm Surge forecasts

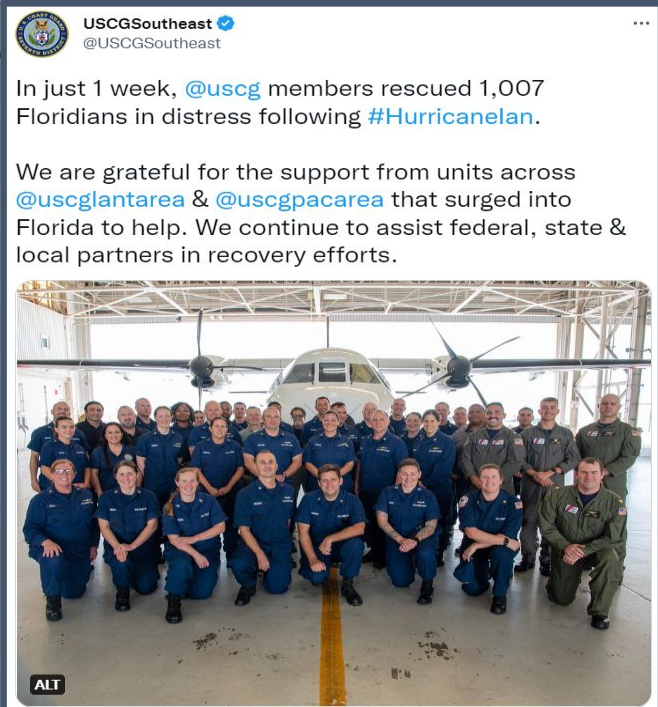
Exercise

- Organized 5 full briefings with each having 2 “mini” briefings within them (24 separate briefings altogether)
- On May 8, Chris Landsea, Stephen Konarik, Amanda Reinhart, Brad Reinhart, and Aidan Mahoney toured D8 facilities in New Orleans and provided additional training





3:57 PM · Sep 28, 2022



4:58 PM · Oct 7, 2022

Hurricane Ian

NHC/TAFB provided 18 live briefings to US Coast Guard Districts 7 (Miami) and 8 (New Orleans)



“NHC team,

The forecasts and support you and your team provided [during Hurricane Ian] were excellent and were heavily relied on to make operational decisions to move aircraft and cutters. The flexibility of your team to meet CG meeting schedules was greatly appreciated.

Once again NHC has exceeded expectations and enabled the Coast Guard to make informed decisions to best protect resources and respond to those in distress. Thank You”

CAPT Aaron Ortenzio
CG District Seven Chief of Incident Management

Decision-Support Services: Tropical Briefings





Tropical Analysis and Forecast Branch
NWS National Hurricane Center

- Provide tailored information for
 - Wind Hazards, including time of arrival and departure
 - Rainfall/inland flooding potential
 - Storm Surge Information
 - Wave heights
 - Tornadoes

IMPACTS FOR (insert D7 or D8) (through next 5 days)
 Winds - None
 Storm Surge - None
 Rainfall/Flash Flooding - None
 Tornadoes - None
 Waves - None

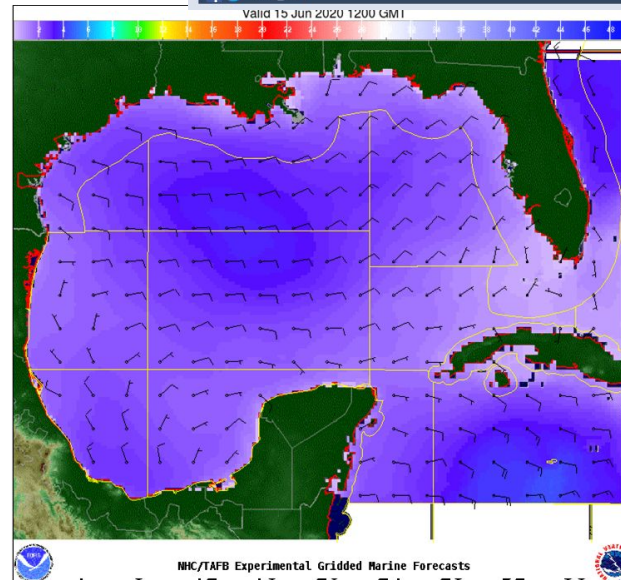
TROPICAL STORM CRISTOBAL BRIEFING

3:00 AM EDT
 Monday, June 15, 2020
 Prepared by:
 (type in forecaster name)
 Tropical Analysis and Forecast Branch
 NWS National Hurricane Center

NHC TAFB
 www.nhc.noaa.gov

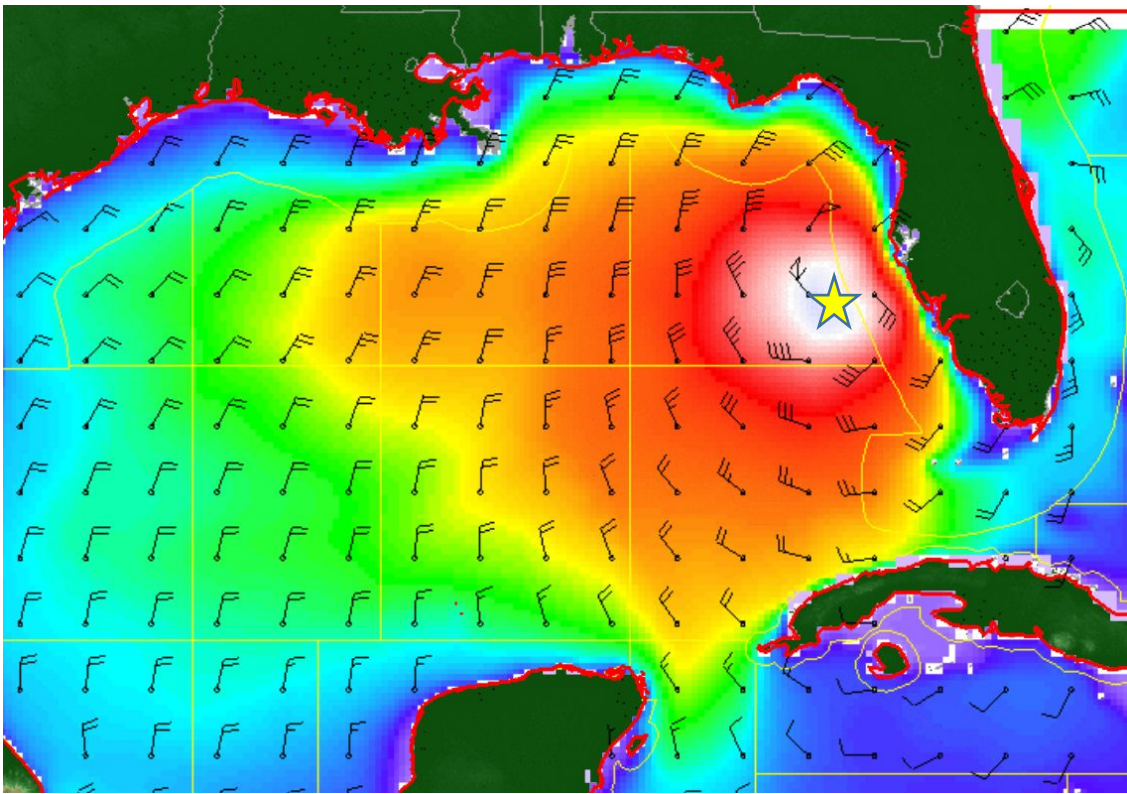
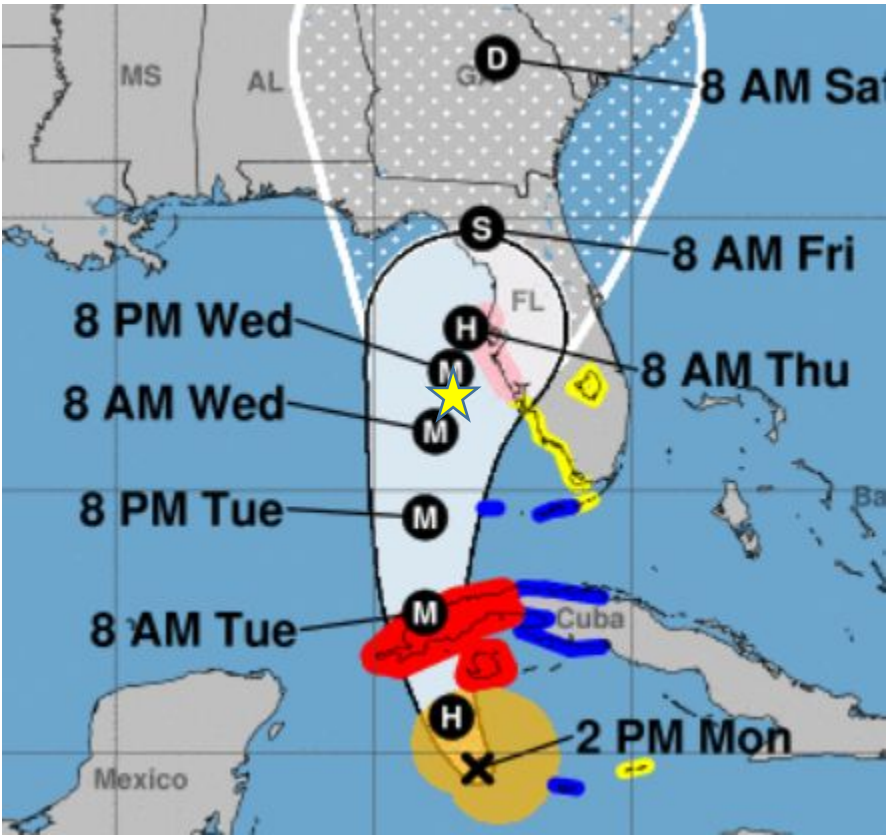
Wind An
 Tropical Storm



Forecast Consistency



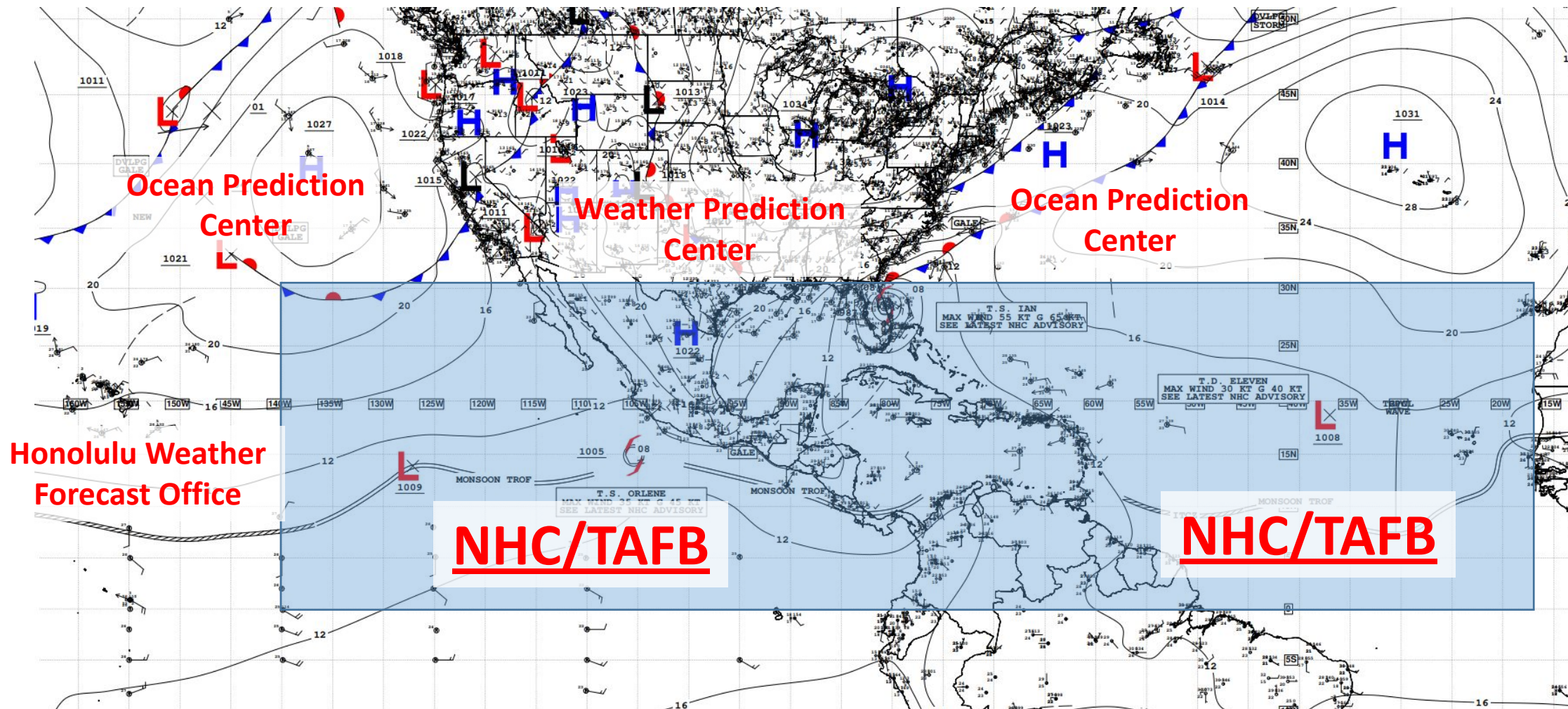
Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Forecast Consistency



Tropical Analysis and Forecast Branch
NWS National Hurricane Center



Honolulu Weather
Forecast Office



- Maximum Telework
 - Would remote telecommunications hold up?
 - Would NHC facilities be sufficient?
 - In office protocols for non-staff (media, families, etc.)

- The main backup/COOP Site – NOAA Aircraft Operations Center – Lakeland, FL
 - More direct impacts from Ian?
 - Testing/health protocols?
 - Secondary backup/COOP Site – Washington DC area