

SAR & Meteorological Services

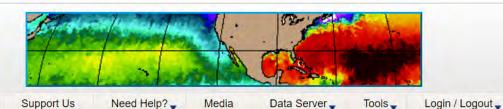
Haley Anderson
Quality Manager
Trinidad and Tobago Meteorological
Service

2.3.7 The RCC must have certain basic capabilities before it is recognized as having responsibility for an SRR by listing in the ICAO RANP or the IMO Global SAR Plan. Additional or improved capabilities may be added as ability and resources permit. A fully capable RCC may be viewed as having two sets of capabilities, "required" and "desired." Figure 2-2 outlines these capabilities.

Required	Desired
24-hour availability	Wall chart depicting SRR, SRSs, and neighbouring
Trained persons	SRRs, SAR resources
Persons with a working knowledge of the English	Computer resources
language	Databases
Charts which apply to the SRR (aeronautical,	
nautical, topographic and hydrographic)	
Means of plotting	
Ability to receive distress alerts, e.g., from MCCs,	
CESs, etc.	
Immediate communications with:	
associated ATS units	
associated RSCs	
DF and position-fixing stations	
associated CRSs	
Rapid and reliable communications with:	
Parent agencies of SRUs	
adjacent RCCs	
designated meteorological offices	
employed SRUs	
alerting posts	
Plans of operation	
Ability to co-ordinate provision of medical advice	
Ability to co-ordinate provision of medical assis-	
tance or evacuation	

Figure 2-2 - Capabilities of a fully capable RCC





Consortium for Data Assimilative Modeling

Login

search...

Home >> About

- About
- HYCOM
 - Overview
 - Documentation
 - Source Code
 - Contact Info
- · Youtube Videos
- Data Server
 - Global Analysis
 - Global Reanalysis
 - Gulf of Mexico Analysis
 - Gulf of Mexico Reanalysis
 - NAVGEM Forcing
 - NOGAPS Forcing
 - NCEP CFSR
 - NCEP CFSv2
- Global
- Basin
- Regional
- · Counted Simulations

About Us

Home

The HYCOM consortium is a multi-institutional effort sponsored by the National Ocean Partnership Program (NOPP), as part of the U. S. Global Ocean Data Assimilation Experiment (GODAE), to develop and evaluate a data-assimilative hybrid isopycnal-sigma-pressure (generalized) coordinate ocean model (called HYbrid Coordinate Ocean Model or HYCOM). The GODAE objectives of three-dimensional depiction of the ocean state at fine resolution in real time, provision of boundary conditions for coastal and regional models, and provision of oceanic boundary conditions for a global coupled ocean-atmosphere prediction model, are being addressed by a partnership of

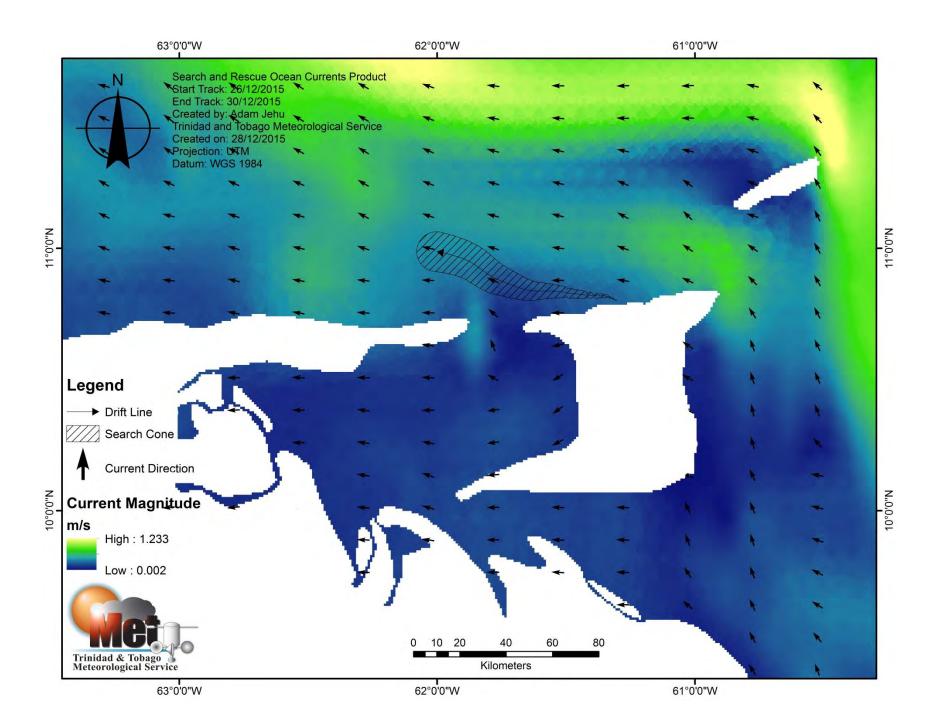


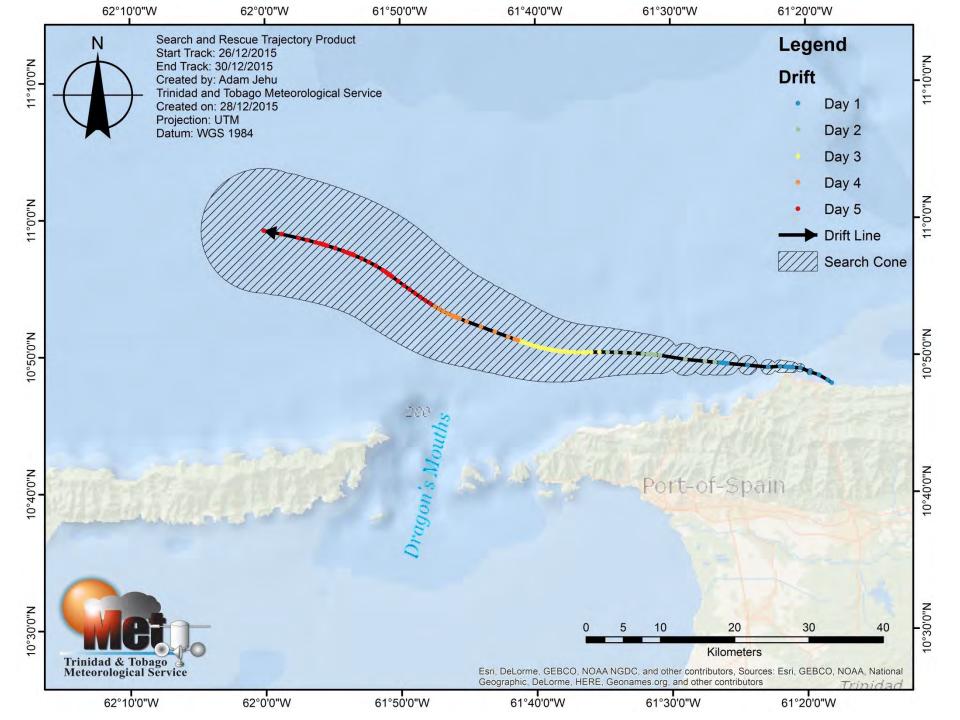
institutions that represent a broad spectrum of the oceanographic community.



The partnership members are the Florida State University Center for Ocean-Atmospheric Prediction Studies (FSU/COAPS), the University of Miami Rosenstiel School of Marine and Atmospheric Science (UM/RSMAS), the Naval Research Laboratory/Stennis Space Center (NRL/STENNIS), the Naval Oceanographic Office (NAVOCEANO), the Fleet Numerical Meteorology and Oceanography Center (FNMOC), the Naval Research Laboratory/Monterey (NRL/MONTEREY), the National Oceanographic and Atmospheric Administration/National Centers for Atmospheric Prediction/Marine Modeling and Analysis Branch (NOAA/NCEP/MMAB), the NOAA

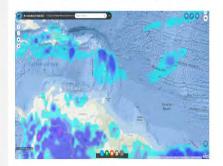
National Ocean Service (NOAA/NOS), the NOAA Atlantic Oceanographic and Meteorological Laboratory (NOAA/AOML), the NOAA Pacific Marine Environmental Laboratory (NOAA/PMEL), Planning Systems Inc., Los Alamos National Laboratory (LANL), Service Hydrographique et Océanographique de la Marine (SHOM), Laboratoire des Ecoulements Géophysiques et Industriels (LEGI), The Open Source Project for a Network Data Access Protocol (OPeNDAP), the University of North Carolina (UNC), Rutgers University, the University of South Florida (USF), Fugro-GEOS/Ocean Numerics, Horizon Marine Inc., Roffer's Ocean Fishing Forecasting Service Inc. (ROFFS), Orbimage, Shell Oil Company, ExxonMobil Corp., the NOAA/National Weather Service/Tropical Prediction Center (NOAA/NWS/TPC), the NOAA/National Weather Service/Ocean Prediction Center (NOAA/NWS/OPC), the University





GIS

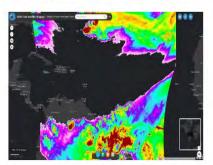
Adequate and Reliable data and information is the driver behind national decision support systems. This have provided the impetus for the development of the Trinidad and Tobago Meteorological Service (TTMS) Web - based Geo portal Platform which aim to provide needed data for stakeholder agencies and the general public.



Accumulated Rainfall Forecast



Caribbean Radar Mosaic:



GOES-East Satellite Imagery



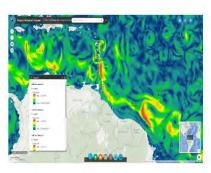
Sargassum Early Warning System



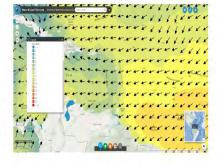
WWLLN Global Lightning Strikes



Search and Rescue Analysis System (SARAS)

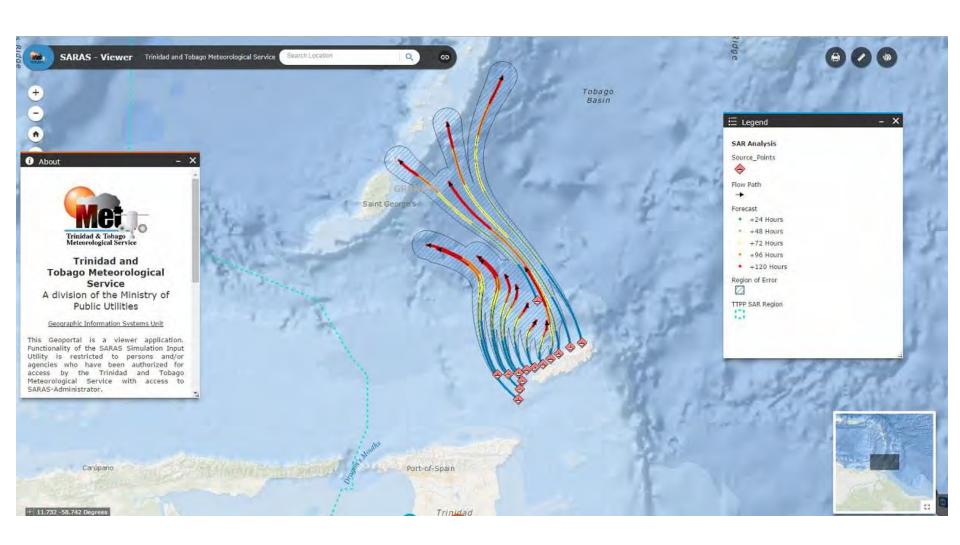


Ocean Currents Forecast



Wave and Swell Forecast:

Need for Coordination





Way forward

- Internally,
 - Enhance the SAR product to include overlays of weather, and underlays of significant wave height
 - Develop and implement SOPs with built in contingency plans
 - Secure the resources needed to support SAR

Recommendations

- Increase communication between RCCs and the scientific and technical agencies (NMSs, Universities, Institutes)
- Incorporate scientific/environmental advice from these organizations into RCC SOPs
- Engage high-level decision-makers for resources