

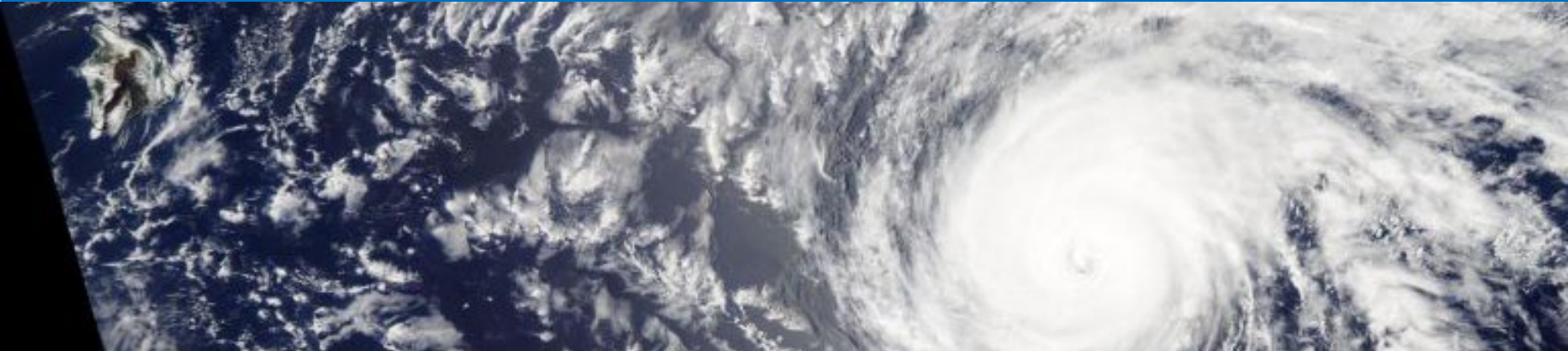


NOAA

*Central Pacific
Hurricane Center*

CPHC Briefing IHC/TCORF 2023

*Robert Ballard
Science & Operations Officer
March 9, 2023*





2022: Another quiet season



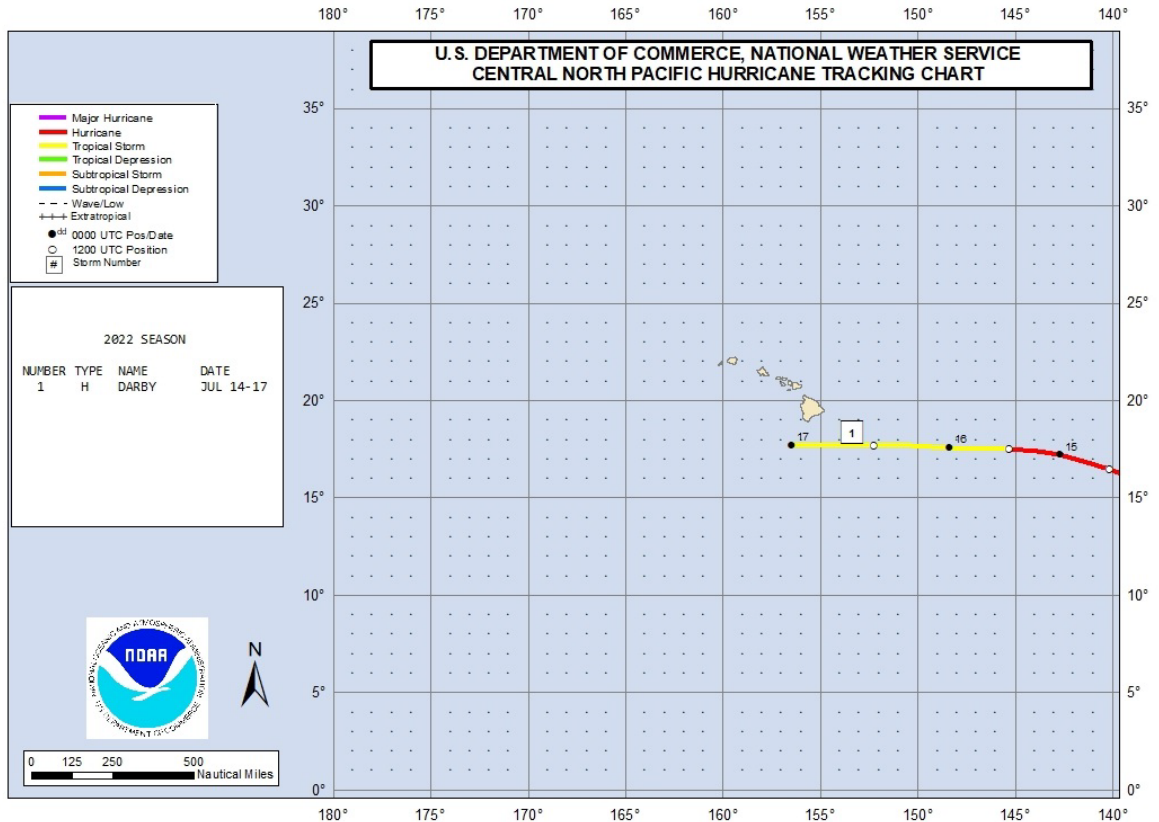
- CPHC also assisted NHC with several advisory packages for 3 east Pacific TCs:

- Darby
- Madeline
- Newton

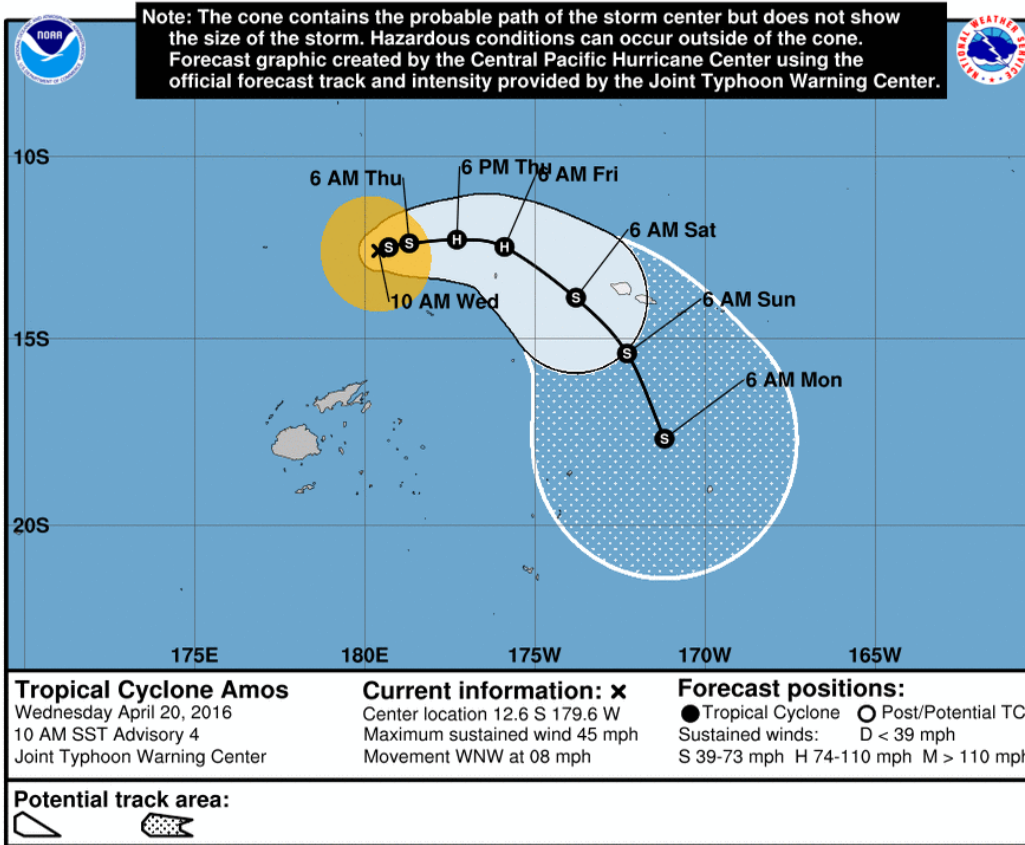
- Benefits:

- Backup testing
- Opportunities to train new forecasters
- Maintain proficiency

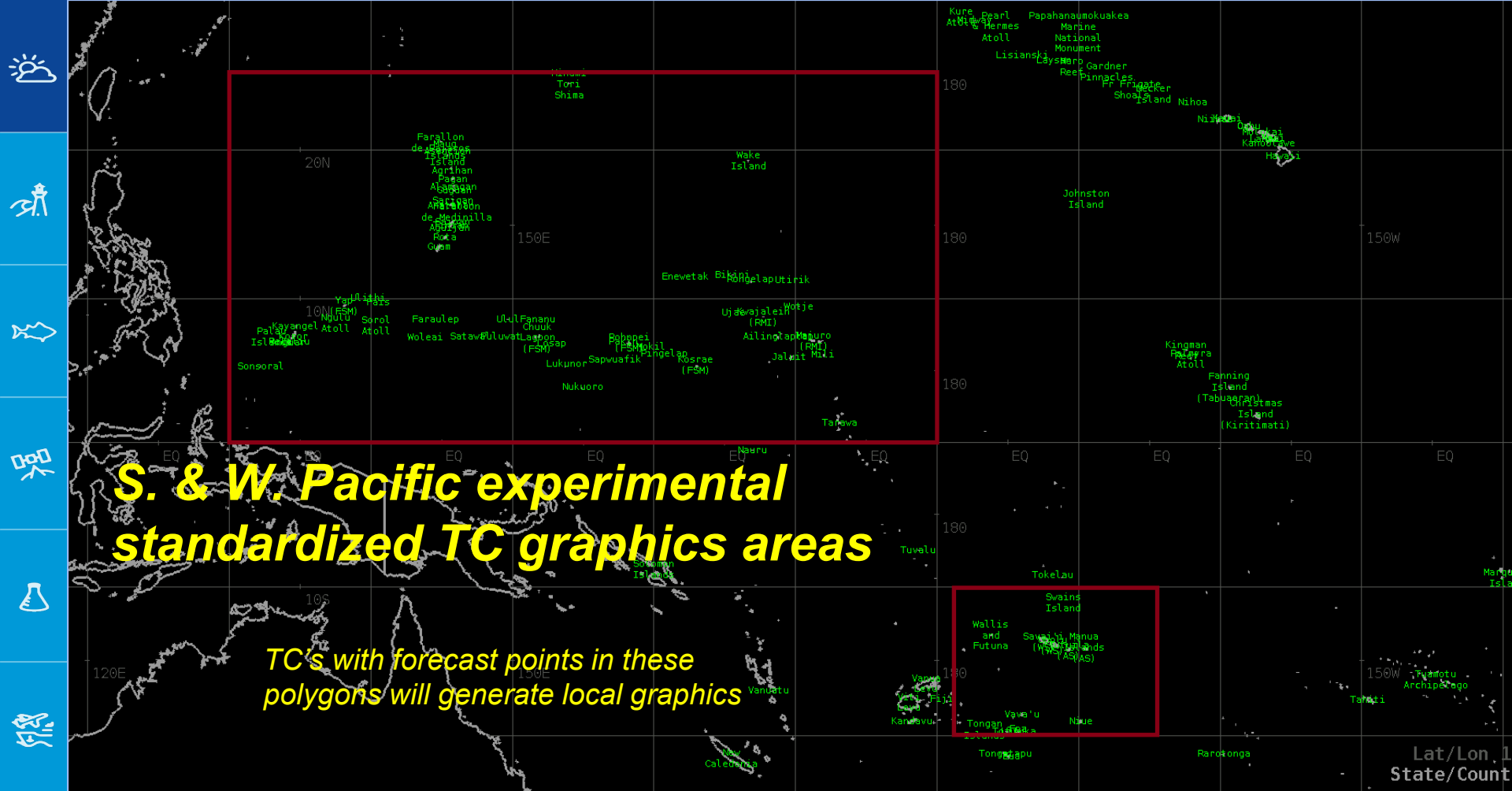
- Mahalo to NHC for providing these opportunities.



W. Pacific / S. Pacific experimental standardized graphics



- Survey comment periods extended through May 31, 2023
- Address service equity challenge for U.S. territories in the wPac & sPac
- Hosted on local websites (NWS Tiyan, Guam & NWS Pago Pago, American Samoa), not RSMC Honolulu.
 - <https://www.weather.gov/gum/wpacTropical>
 - <https://www.weather.gov/ppg/spacTropical>



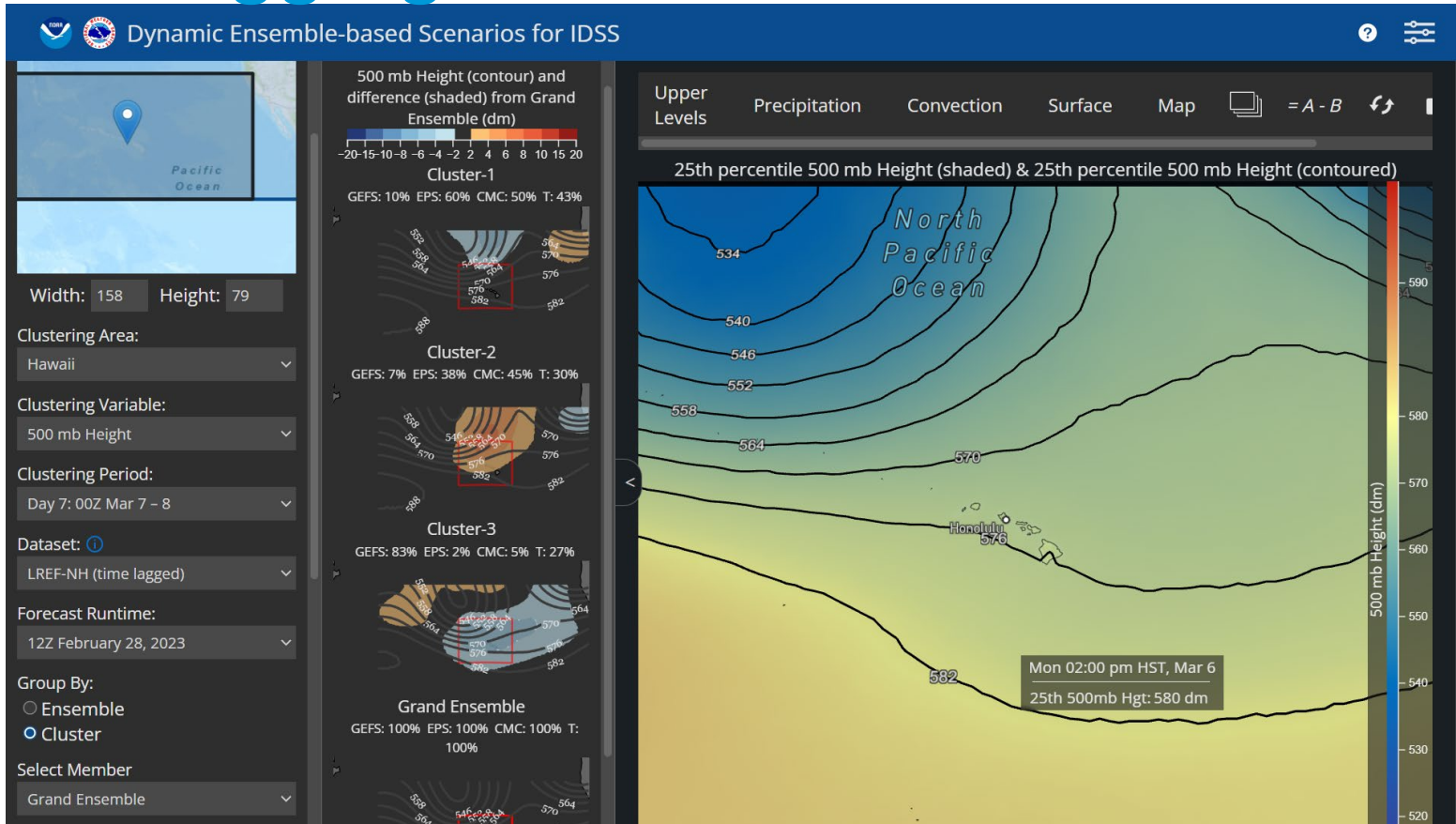
S. & W. Pacific experimental standardized TC graphics areas

TC's with forecast points in these polygons will generate local graphics

Lat/Lon, 1 State/Count



DESI: Digging into the ensembles



NWS Meteorologist Development Plan Review



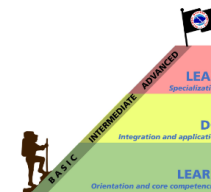
Home Connect Learning Competencies Need Help? Programs

Search

- CPHC review topics:
 - Tropical
 - Satellite
 - Convective

NWS Meteorologist Development Plan (MDP)

The National Weather Service Meteorologist Development Plan (MDP) is a suite of Commerce Learning Center (CLC) curricula for meteorologists, with a pair of accompanying guides, one for meteorologists and one for training facilitators. The MDP uses the competency model implemented with the GS-5-12 career progression as its framework, and is designed for NWS operational meteorologists at WFOs and participating NCEP centers. The MDP catalogs training and activities that support the professional development of meteorologists spanning the period from entry-level through the ongoing development of experienced Senior Meteorologists.



Guides

The MDP guides support effective use of the MDP curricula by providing background and guidance. Please peruse the guide appropriate to your role.

- User's Guide (for meteorologists taking these MDP curricula)
- Facilitator's Guide (for training facilitators, primarily SOOs)

Office Hours Sessions for Training Facilitators

A series of MDP CLC office hours sessions for facilitators were held in early FY21, where technical aspects of effectively facilitating your staff's use of the MDP curricula in the CLC were discussed and questions were addressed. A video of the presentation/demo provided during these sessions is available.

Additional office hours sessions where MDP-related questions are welcome will continue on an occasional basis.

Curricula Components and Updates

For anyone interested in a quick way to see everything included within the MDP, check out our sheet that organizes and lists all current MDP curricula components. The MDP undergoes quarterly maintenance updates to add significant new training releases and to remove training that is being retired. At the beginning of each fiscal year, the MDP undergoes a more significant annual update, guided by a team of SOOs. Documentation detailing what curriculum changes were made with these quarterly and annual updates is available here.

Feedback

Curricula

The MDP curricula are structured based on the GS-5-12 Competency Model. For each of the five dimensions defined within the model, there is a "Basic/Intermediate" curriculum that provides training and activities to support attainment of the competencies needed during progression through the GS-5 to GS-12 career ladder. The "Advanced/Supplemental" curriculum for each dimension provides training and activities supporting the deepening and broadening of competencies, especially for GS-12 and GS-13 meteorologists, focal points, and any other meteorologist looking to further develop themselves.

Within Dimension 2, the curricula are further broken out by service/program area, with the pair of curricula described above (basic/intermediate and advanced/supplemental) for ten areas.

The links below provide access to each MDP curriculum.

- Dimension 1: Information Management, Data Collection, and Quality Control
 - Basic/Intermediate
 - Advanced/Supplemental
- Dimension 2: Generation of Forecasts, Outlooks, Watches and/or Warnings
 - Aviation Basic/Intermediate
 - Climate Basic/Intermediate
 - Convection Basic/Intermediate
 - Fire Weather Basic/Intermediate
 - Hydrology Basic/Intermediate
 - Marine Basic/Intermediate
 - Satellite Basic/Intermediate
 - Tropical Basic/Intermediate
 - Winter Basic/Intermediate
 - General Forecasting Basic/Intermediate
 - Aviation Advanced/Supplemental
 - Climate Advanced/Supplemental
 - Convection Advanced/Supplemental
 - Fire Weather Advanced/Supplemental
 - Hydrology Advanced/Supplemental
 - Marine Advanced/Supplemental
 - Satellite Advanced/Supplemental
 - Tropical Advanced/Supplemental
 - Winter Advanced/Supplemental
 - General Forecasting Advanced/Supplemental

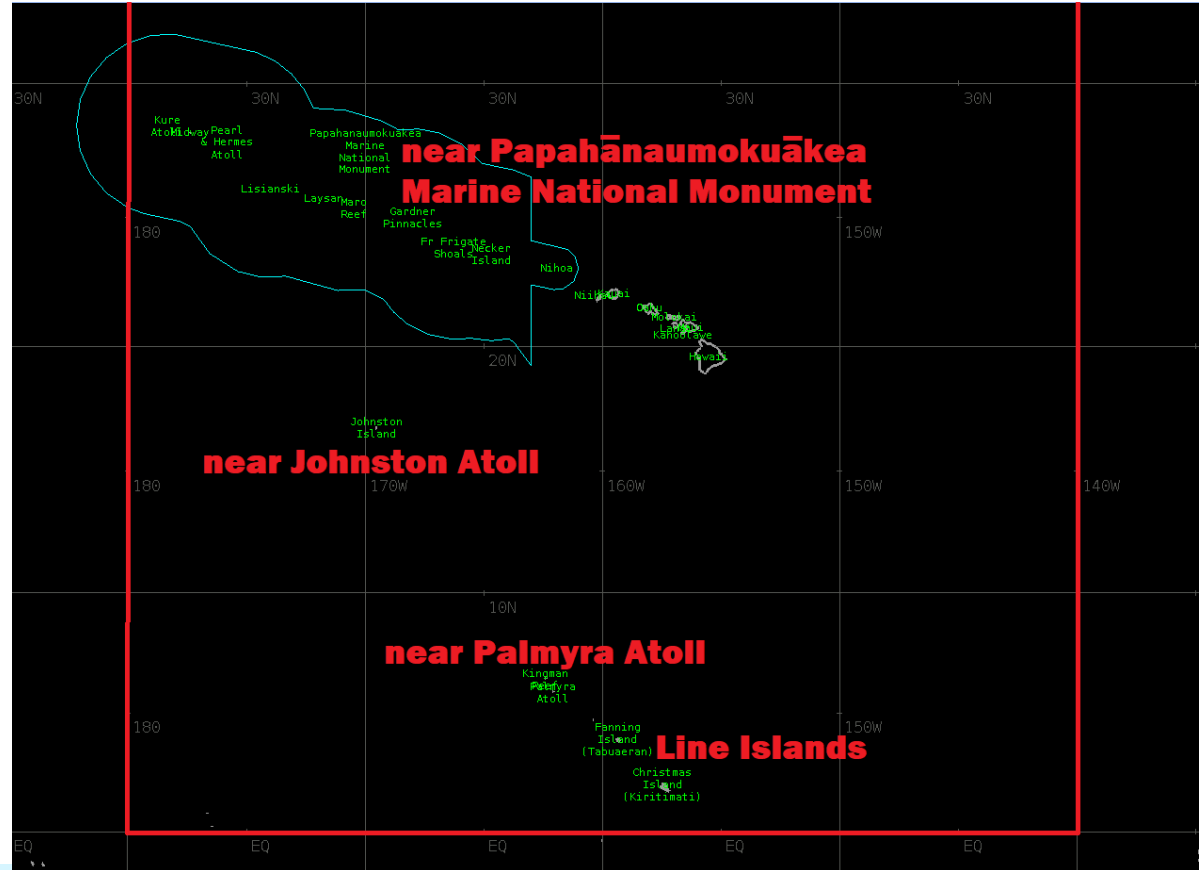




Tropical Weather Outlook Geographic Areas



- *New geographic sub-headers for the text product*
- *Can also reference specific islands incl. main Hawaiian Islands*





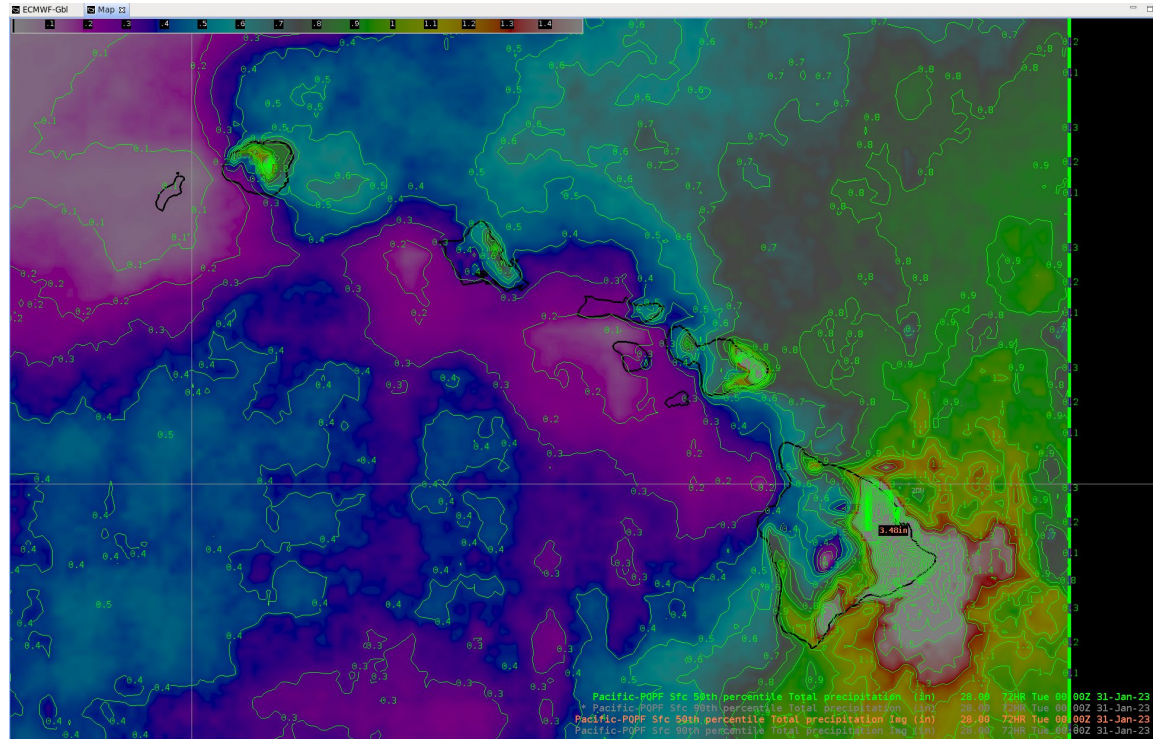
CPHC collab w/ WPC: Probabilistic TC QPF for Hawaii



- Identified as a need during 2020 NOAA Hurricane Conference to improve IDSS.



- Validation of results on targets of opportunity as well as comparison with National Blend of Models





Questions?

