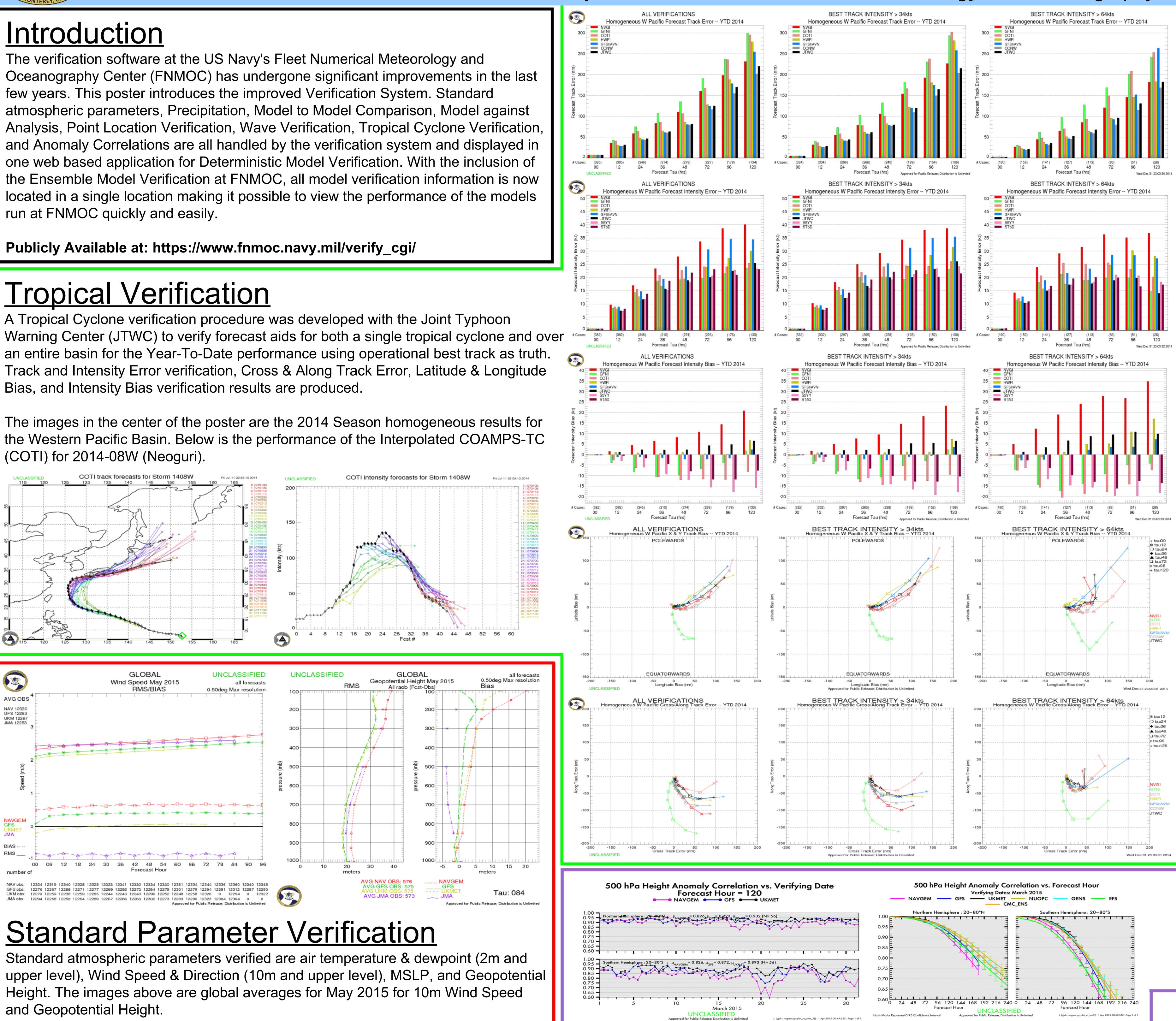
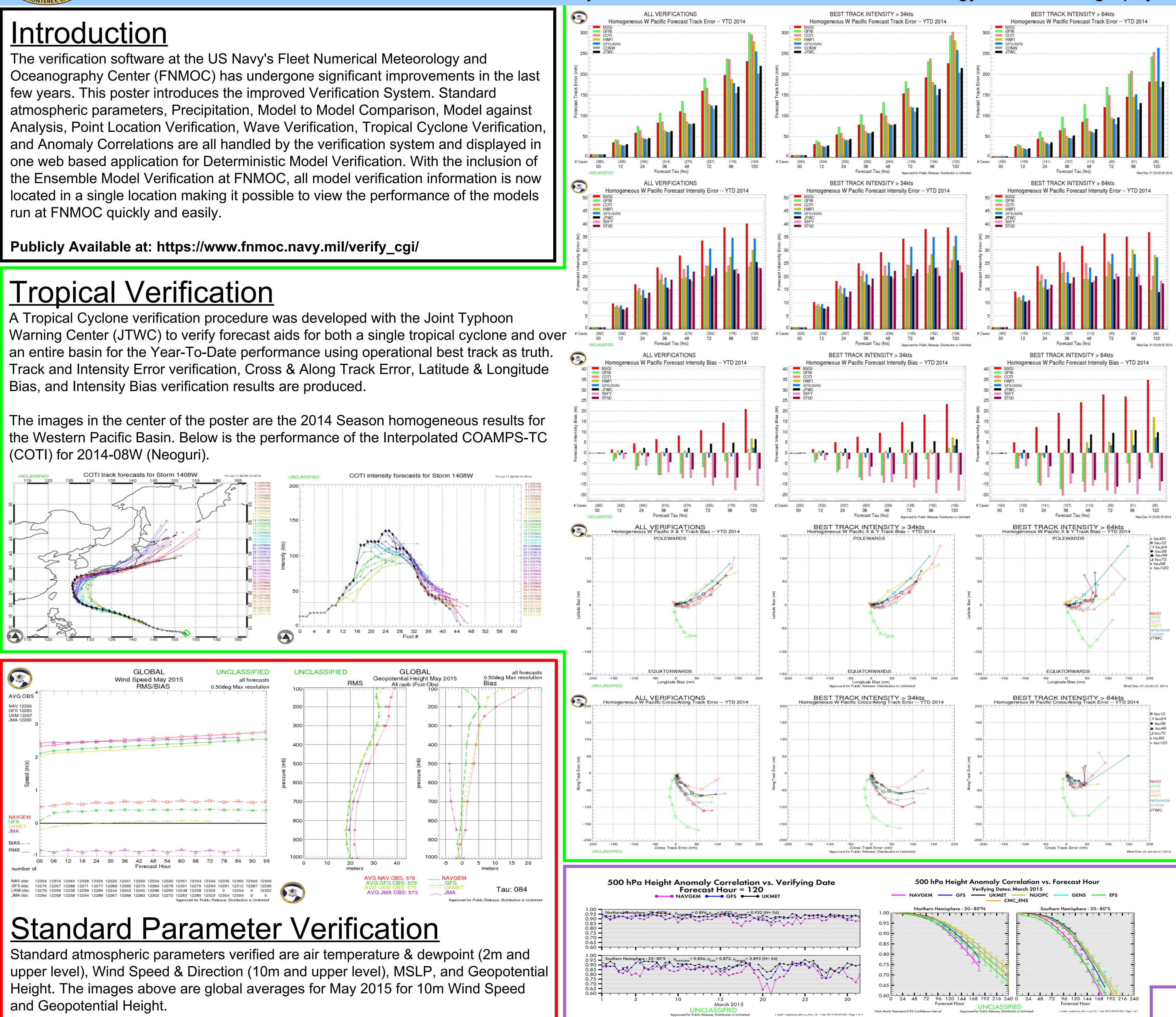


On the Meteorological Verification System used for Verification of United States Navy **Numerical Weather Prediction Forecasts** Raymond C. Lee, Fleet Numerical Meteorology and Oceanography Center, Monterey, CA

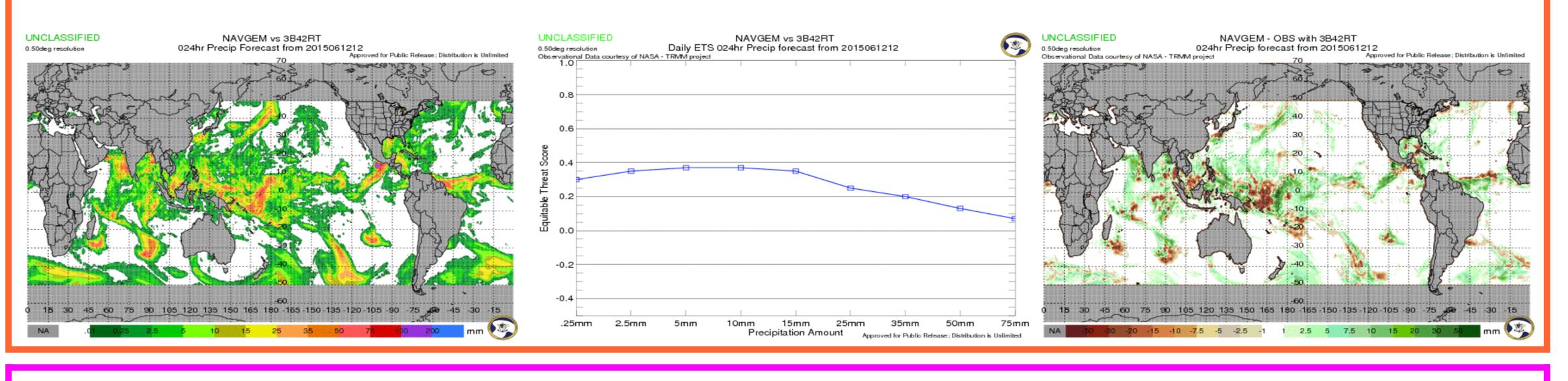






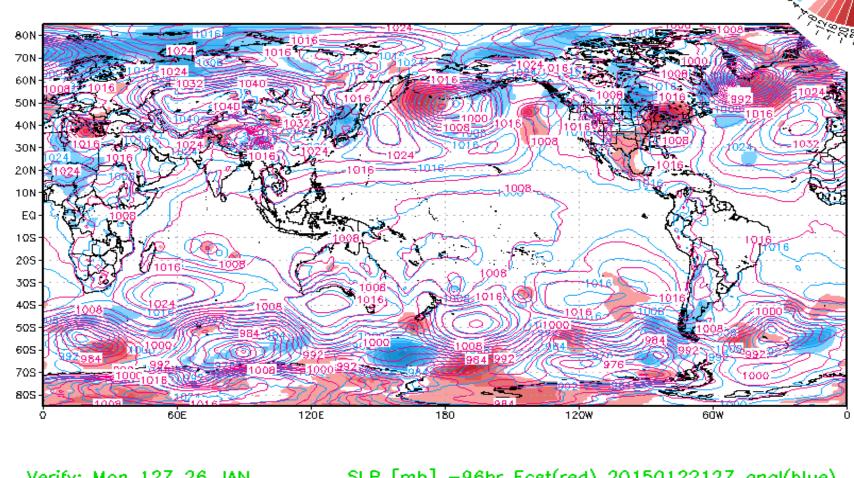
Precipitation

Verification using NASA TRMM-3B42RT (soon IMERG) as ground truth. ETS & Bias scores calculated daily at 9 threshold accumulations with areal coverage maps provided. Monthly verification scores can also be calculated. Daily scores for the 24hr NAVGEM forecast from the 12Z run on 12 May 2015 are shown.



Point Location Verification

Verification of model at individual station with differences between Forecast and Observation plotted. Time-series charts of individual stations can also be created.



Wave Verification

Significant Wave Height verification using altimetry and buoy data compared to the WW3 forecasts forced by FNMOC models.

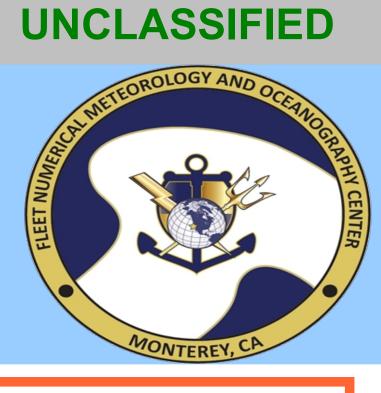
Other Verification

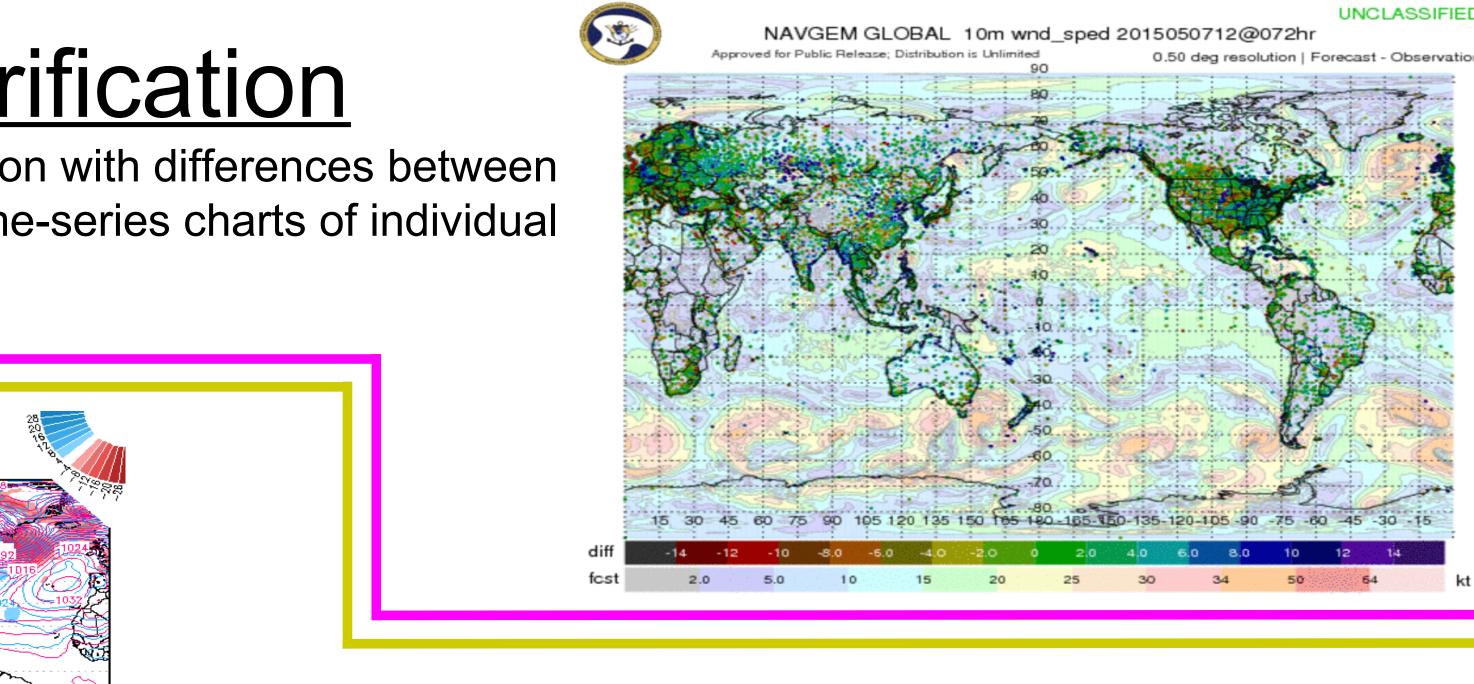
 Direct comparisons between models to see where and how the models differ over the same forecast period. Allows the forecaster to see how the different deterministic models handle certain situations. - Anomaly Correlations are performed for both Global Deterministic and Ensemble Models providing clues on overall performance of the global models.

- Ensemble Verification parameters are accessible also as all FNMOC model verification information is hosted in one location. - Regional Ocean model forecast verification - Total Cloud Cover forecast verification (Future) - Open Ocean Wind verification by scatterometer (Future) - Wave forecast against Analysis (Future)

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I He views expressed in this article are those of the author and do not necessarily reflect the official policy or position of the Department of the Navy, Department of Defense, nor the U.S. Government





Model Against Analysis

Model comparisons to the Analysis to assist forecasters with determining regional discrepancies.