

Enhancements in operational tools to improve forecaster efficiency

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The amount of real-time data available to operational tropical cyclone forecasters is increasing at an accelerating rate. These data sources include, but are not limited to, deterministic and ensemble track and intensity model forecasts, geostationary and low-earth orbiting satellites, manned and unmanned aircraft measurements, automated objective intensity estimates and wind field analyses, as well as ocean surface wind vector data. The need to efficiently assimilate and evaluate these diverse data sets requires improved data visualization methods and increased software capabilities.