

# Dylan Flynn

## Meteorologist

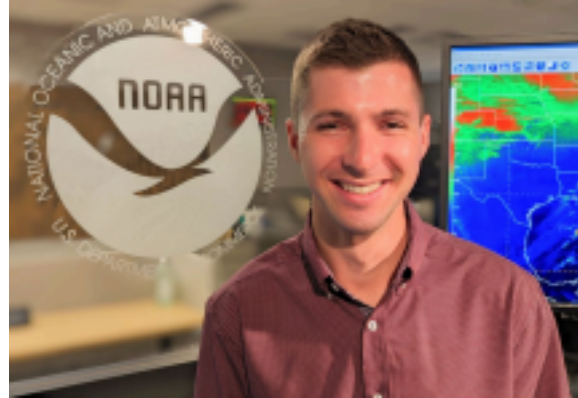
### Tropical Analysis and Forecast Branch National Hurricane Center

Dylan Flynn is a meteorologist and surface analyst with the Tropical Analysis and Forecast Branch (TAFB) of NOAA's National Hurricane Center in Miami, Florida.

Flynn earned a Bachelor of Science Degree in Atmospheric Science from the University of Washington (2014). After graduation, Flynn attended Officer Candidate School in Newport, Rhode Island, where he earned his commission as a Meteorology and Oceanography (METOC) Officer in the United States Navy. Flynn began his Naval career as a Division Officer at the Fleet Weather Center in Norfolk, Virginia, where he led a team of maritime and aviation forecasters.

Flynn served as the Tropical Operations Officer during the 2017 and 2018 hurricane seasons. In this role he coordinated closely with the National Hurricane Center to develop tropical cyclone impact predictions to Naval installations and ensured the timely and accurate delivery of tropical cyclone warning updates, destructive wind and storm surge forecasts, and tropical cyclone formation alerts. He provided impact-based decision support to emergency managers and regional commanders with recommendations for personnel evacuations and mitigations for damage to ships and aircraft.

Flynn served as a Ship Routing Officer from 2019-2020. In this role he provided optimum track ship routing (OTSR) to more than 100



ships including Army, Navy, Military Sealift Command, Coast Guard, and NOAA vessels in the Eastern Pacific, Atlantic, Gulf of Mexico, Caribbean and Mediterranean Sea. He provided tailored weather advisories and route change recommendations to ensure vessels avoided weather conditions above their operational limitations, while optimizing transit time and fuel consumption.

In 2020, Flynn was deployed to the Arctic Ocean as the lead meteorologist supporting ICEX, a remote multi-national exercise conducted from a temporary ice camp in the Beaufort Sea. He coordinated closely with the National Ice Center, Fairbanks Weather Forecast Office and Alaskan Aviation Weather Unit to provide direct meteorological and decision support to aviators and senior leadership.

Flynn left active duty and joined TAFB in 2021. In 2022, Flynn published the Mariner's Tropical Cyclone Guide to the NHC website. This free book explains the latest science, global forecast products, and best practices to prevent tropical cyclone mishap sea. Flynn continues to serve as a METOC Officer in the Navy Reserve.



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