

# Patrick Chan

## Meteorologist – Tropical Analysis and Forecast Branch National Hurricane Center

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

He received a Bachelor of Science Degree in Atmospheric Sciences/Meteorology, with a minor in Geology, from State University of New York (SUNY) at Stony Brook (1999) and earned a Post-Baccalaureate Certificate in Geographic Information Systems (GIS) from Pennsylvania State University (2015).

Patrick was a student intern at the National Weather Service weather forecast office (WFO) in Upton, NY in 1995-96. After graduation, he was an environmental scientist with G.C. Environmental, Inc., in Ardsley, NY (2001), an Associate Geoscientist for Weston Solutions, Inc., in Edison, NJ (2001-2003), and a geologist with TRC Environmental Corp., in New York City, NY (2004-2006). He joined 3D Research Corp./RTS Weather Station, in Kwajalein Atoll, RMI, as a meteorologist in 2006. There he analyzed and interpreted meteorological data gathered by the RTS surface and upper-air systems, geostationary and polar-orbiting satellites, the KPOL Doppler radar and various numerical weather prediction models to evaluate and forecast atmospheric conditions in support of USAKA/RTS daily missile range operations.

Patrick's federal career began in 2007 as a general forecaster with the National Weather Service weather forecast office (WFO) in Guam. His duties included



analyzing and interpreting meteorological, hydrological and marine data collected by surf reports, surface observing and upper air systems, geostationary and polar orbiting satellites, WSR-88D Weather Radar and various numerical weather prediction models. He also evaluated and forecasted atmospheric, hydrologic and marine conditions for the Marianas Islands, The Federated States of Micronesia, The Republic of Palau and The Republic of the Marshall Islands in the WFO Guam Area of Responsibility. He also participated in the 5<sup>th</sup> and 6<sup>th</sup> Meeting of Working Group on Hydrology in Seoul, South Korea for the Typhoon Committee of Economic and Social Commission for Asia and the Pacific (ESCAP), World Meteorological Organization (WMO) of the United Nations.

Patrick accepted the position of Surface Analysis Meteorologist at NHC's TAFB in 2021.

He is a member of the American Meteorological Society and the National Weather Association. Hobbies include photography, hiking, badminton and pets.



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