

NC State Students Complete Spring NWS Course

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By: James Morrow

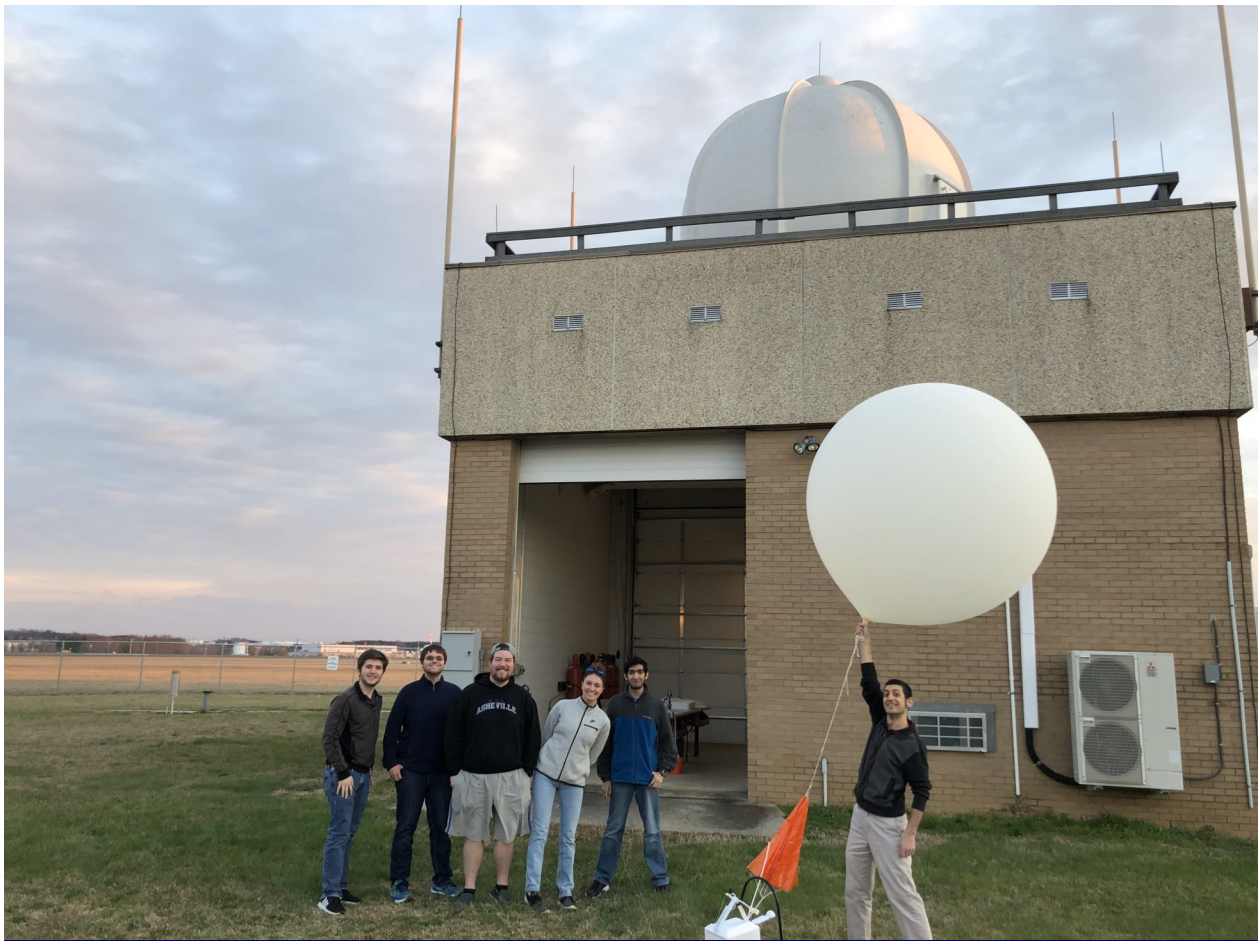


The National Weather Service (NWS) office in Raleigh, NC has a rich history of collaboration with NC State University, dating back well into the 1970s through numerous collaborative projects and research. This partnership continued to grow and strengthen through the later part of the 20th century, and expanded from the research realm into student mentoring and volunteering in the 1990s. This allowed for the inclusion of numerous classes of NC State meteorology student interns over the years, many of which eventually found their way into the NWS, including six Wolfpack alumni currently serving in our office!

The student volunteer program currently consists of 2 spring and 2 summer interns, all of which get the opportunity to gather experience and obtain insight into National Weather Service operations. On any given day, the volunteers find themselves working alongside meteorologists collecting data, making forecasts, issuing warnings, or completing forecast/product verifications. Other opportunities include visits to the NWS Radar site, an upper-air launch in Greensboro, NC, a Weather Event Simulation (WES), providing office tours and presentations, maintenance visits at COOP/ASOS observation sites, along with meet and greets with core partners. While the experience certainly tends to be beneficial to the students, the office also gains invaluable returns, as students provide crucial assistance during significant weather events that occur. Please join us in thanking the latest student volunteers who have provided invaluable assistance for the spring 2020 semester!

[More info on the Science Collaborations between NC State/NWS Raleigh](#)





NCSU student interns assist with the 00z Upper-Air Launch out of Greensboro, NC. Pictured from left to right: Mike Rehnberg (Spring 2020 student intern), Nick Goldacker (Summer 2020 student intern), Chase Graham (Summer 2020 student Intern), Cassie Mora (NWS Raleigh Pathways Student), Ronak Patel (Spring 2020 Student Intern), and Maher Haddad (GSO Upper-Air Observer).

Ronak Patel

Ronak Patel will be graduating from North Carolina State University in May 2021 with B.S. degrees in Meteorology and Statistics. As a student, he has worked with Distinguished Professor Dr. Sandra Yuter as a member of the Environment Analytics research group. He presented his research on Urban Heat Island variability at the NC State research symposium and the 2019 AMS Student Conference in Phoenix, AZ. In January 2020, he participated in the NASA Investigation of Microphysics and Precipitation for Atlantic Coast-Threatening Snowstorms (IMPACTS) field project where he supported winter storm forecasting and flight science operations aboard the NASA P-3 research aircraft. He is also working with other research group members to develop a web-based tool for Delta Air Lines to improve aviation weather forecasting. After graduation, he hopes to pursue a graduate degree in Atmospheric Science and continue his career in either a research or forecasting setting.





Mike Rehnberg

Mike is a senior at North Carolina State University, and will graduate in May 2020. He has worked on several research projects, studying tropical wave dynamics with Dr. Anantha Aiyyer and conducting research into cyclogenesis in the Eastern Pacific basin. Additionally, he worked with Dr. Nils Peterson, studying the social dynamics surrounding conservation support in the Caribbean islands. He has worked for two years at the North Carolina Climate Office, studying hurricane impacts in the Carolinas, weather-related mortality in the Carolinas, as well as designing a web-based tool for accessing climate records on the Climate Office's website. After graduating, Mike hopes to pursue a graduate degree in meteorology and then find work as an operational forecaster for the National Weather Service.



NCSU student interns and NWS personnel visit NCEM Headquarters in Raleigh.

Pictured from left to right: Dan Leins (NWS Raleigh SOO), Mike Rehnberg (Spring 2020 student intern), Cassie Mora (NWS Raleigh Pathways Student), James Morrow (NWS Raleigh meteorologist), Ronak Patel (Spring 2020 Student Intern), Nick Goldacker (Summer 2020 student intern), and Chase Graham (Summer 2020 student Intern).

