

CADRE graduate students visit mentors at OMD

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Earlier this month, eight graduate students from across the country spent two weeks at the Office of Modeling and Development (OMD) as part of the [Consortium for Advanced Data Assimilation Research and Education](#) (CADRE) program. Each CADRE student was paired with a NOAA scientist to help foster innovation and collaboration for transitioning novel science to operations and to build the next-generation operational data assimilation workforce.

Students worked closely with their OMD mentors on tasks related to their graduate studies, including topics such as the use of satellite observations to advance hurricane forecasting or improved snow cover in models to better predict extreme precipitation events, while also networking with other scientists and learning more about the development work ongoing at OMD. The students presented their research to OMD staff and in turn, received overviews of major modeling systems.



CADRE students alongside members of OMD's Data Assimilation Division after a pizza social.



Center, learn about the National Operation Center, and take a trip to WFO Sterling, VA, to see the 00z radiosonde launch. On the final day, some of the students and staff dove into the radiosonde launch data to see how it was used by the operational Global Forecast System.

While the students have returned to their respective universities, their collaboration with their OMD mentors will continue throughout their graduate studies and into their future careers.

Students and their OMD Mentors:

Michael Benneh, Howard University – **Cory Martin**

Jonathan DeGraw, Univ. of Oklahoma – **Shun Liu**

Feng Hsiao, Howard University – **Zhan Zhang** and **Bin Liu**

Haotong Jing, Univ. of Utah – **Clara Draper**

Max Johncox, Univ. of Utah – **Clara Draper**

Hee-Sung Jung, Univ. of Maryland – **Guillaume Vernieres** and **Neil Barton**

Chandler Pruett, Penn State Univ. – **Zhan Zhang** and **Bin Liu**

Henry Santer, Univ. of Maryland – **Guillaume Vernieres** and **Neil Barton**

By Office of Modeling and Development

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