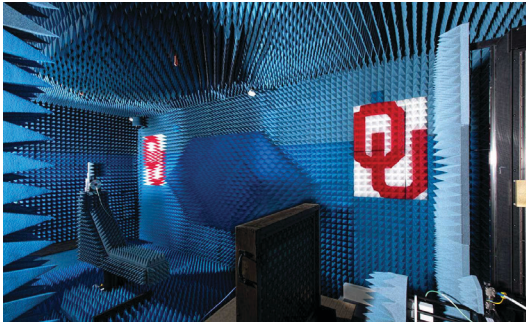




TOUR THE NATIONAL WEATHER CENTER

Open House and Reception at the National Weather Center (NWC) on Tuesday, June 12th. The National Weather Center houses a unique confederation of National Oceanic and Atmospheric Administration, the University of Oklahoma, and state organizations that work together in partnership to improve understanding of events occurring in Earth's atmosphere. Many of the NWC research units are actively engaged in Boundary-Layer and Turbulence Research using both advanced observation and modeling techniques. Reception food and transportation are included in the tour fee. We will depart at ~3:45pm from OKC and return to OKC by ~7:30pm.

YOU WILL GET TO SEE....



The **Radar Innovations Laboratory** is a 35,000 square foot state-of-the-art facility dedicated to advancing OU's radar program. The laboratory includes a large microwave lab, a high-bay garage for mobile radar platforms, prototype fabrication facilities, a fully stocked machine shop, two precision anechoic chambers, an experimental observation deck, state-of-the-art classroom and seminar space, and a unique "Ideas Room" for fostering collaboration and innovation.

The **NOAA Storm Prediction Center & Norman Weather Forecast Office** are housed in the National Weather Center. The tour of the NOAA SPC and WFO office show cases long range forecasts, how watches are issued, and how the local and national sides work together. We are the only location predicting severe weather for the continental United States! You'll get to see the magic happen right before your eyes.



The **NWC Vehicle Bay** is where our research vehicles are cared for and new technologies are formed. Learn about our mobile mesonet, radar trucks, and CLAMPS. The **mobile mesonet** is a vehicle intended to take surface observations of temperature, pressure, humidity, wind, and even solar radiation in and around storms and storm environments. Our **radar trucks** can be driven into position as a storm is developing to rapidly scan the atmosphere at low levels.

Collaborative Lower Atmospheric Mobile Profiling System (CLAMPS) is a mobile, trailer-based boundary layer profiling facility using commercially available sensors. It contains a Doppler lidar, a multi-channel microwave radiometer (MWR), and an Atmospheric Emitted Radiance Interferometer (AERI).