**Chilson- CLOUD-MAP**

* National Science Foundation Award- Oklahoma State and OU
* OSU is lead university (Secondary: OU, Kentucky, Nebraska, etc.)
* Four years - 6 million dollars
* UAV-Atmospheric Physics (CLOUD-MAP)
* Grabbed attention of president/vice-president at OU (has eyes on Meteorology program)
* Dean has donated a truck for equipment
* Oklahoma wants to get into UAS for research and commercial
* “Collective enterprise, self-organizing, theses measurement need to be done on this day, organization of who goes out when, etc.”
* Three primary components
  + Meteorology - boundary layer
  + ECE Professor - antennae design
  + Climate science (Eleanor Martin) – monitor soil moisture, pictures of crops, etc.
* OU’s AME (aerospace mechanical engineering), OSU (mechanical aerospace engineering, OU Aviation (licensed pilot)
* Training Session (FAA Regulations, Airspace) – At night, pizza?
* “Willing Participant” paperwork
* Letters of Offer not ready yet, will email verbiage tomorrow
* $12 an hour, approx. 10 hours a week
* **Meet Friday 9 am, Radar Innovations Lab (administrative work)**
* Send drone up to 300 ft. and back down, is kept on a tether, DJI Phantom 2 & 3, 3D Robotic Solo
* Can’t fly more than one at a time (only one fishing pole)
* Fixed wing aircraft (simulator for practice) (COA-certificate of authorization)
* Activities at Kessler need to be on the down-low (not on social media, don’t want a bad reputation)
* Smaller UAS Rules (December): Anybody can fly with certificate & training