

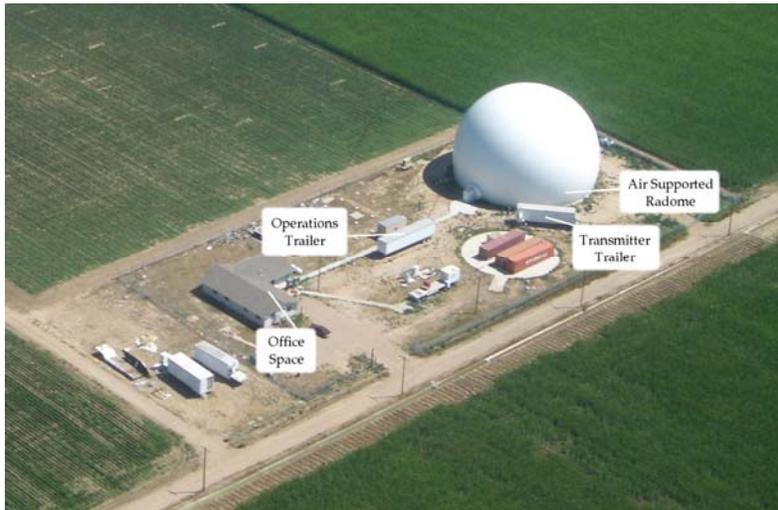
CSU-CHILL Open House

Friday, October 3rd

2:00 p.m. – 5:00 p.m.



The CSU-CHILL National Weather Radar Research Facility, located in Greeley, CO, is an advanced, transportable dual-polarized S-band radar system. The facility supports research and education, and is operated by Colorado State University. It is supported by the National Science Foundation and CSU.



Key Features:

- CSU-CHILL is the only meteorological radar system operating at S-band with a dual-offset antenna configuration.
- The antenna is over 50 ft tall, has a diameter of about 30 ft and weighs 8000 pounds, and is protected by a 100 ft diameter air-inflated radome that is over 60 ft high.
- The radar can be accessed remotely over the internet and is used in class instruction at several universities.
- The radar can detect severe weather at a distance exceeding 180 miles. It can detect flying insects up to a distance of about 25 miles.

More Quick Facts:

- The radome is made of the same nylon-reinforced vinyl used in the roof at Denver Int'l Airport.
- CSU-CHILL uses a unique dual transmitter, dual-polarized configuration and can measure the full polarization covariance matrix of targets.
- The radar is actively used by CSU ECE and ATS students, as well as by other universities.

Open to students, staff and faculty

RSVP to Karen in the ECE office by Oct 2 if you plan to attend: kungerer@engr.colostate.edu

Refreshments will be served

Address: 30750 Weld County Road 45, Greeley, CO

Driving directions

http://www.chill.colostate.edu/w/Contacts#Driving_Directions

Transportation available for a limited number

