

ATM 10 Winter 2016

# Severe and Unusual Weather

## (Thunderstorms, Tornadoes, Hurricanes)

**GE credits:** SciEng, Wrt | SE, QL, SL, VL

3 units (2 hrs lecture, 1 hr discussion)

Lectures: Tuesdays and Thursdays 3:10-4:00 PM

Discussions: F10:00-10:50 (CRN13131); F11:00-11:30 (CRN13132); F1:10-2:00 (CRN13133);  
F3:10-4:00 (CRN13133)

*Instructor: Professor Kyaw Tha Paw U*

(ကျော် သာ ပေါ် ဦး)



**Storm Chasers from the Atmospheric Science Program took photographs and videos of this funnel cloud from a thunderstorm cell (which spawned several tornadoes in the Sacramento region) a few years ago. The video by the class instructor will be shown in class. In ATM 10, you will learn how this and other weather events occur and wreak havoc on our local and global communities.**



excerpt from the video ©2005 Kyaw Tha Paw U

### Learn Topics Including Thunderstorms, Tornadoes, Lightning, Hurricanes

- What makes a typical thunderstorm turn into a severe thunderstorm?
- Where are the safest locations during a tornado?
- What are the components necessary to create hurricanes?
- When should you avoid lightning?
- How do rainbows, halos, and mirages occur?
- Learn how to read weather maps and predict your own weather!
- See the massive destruction from tornadoes and hurricanes in videos!