

**ATS/CIRA Colloquium**

**Elizabeth Weatherhead**

**Visiting from the University of Colorado Boulder**

**Climate versus weather: Planning the climate observing system of the future is more than collecting weather observations**

**Hosted by Christine Chiu**

**3 p.m. Thursday, Sept. 19  
ATS 101**

Climate is often described of statistical summaries of weather: means, extremes, variability. This can sometimes lead to the conclusion that climate observations are well served by appropriately storing weather data. This seminar will try to dissuade you from this way of thinking. As various aspects of the Earth change, including land use, greenhouse gas concentrations and pollution, the climate questions we have are varied and require more careful identification of observational needs in order to understand the Earth's climate. This presentation will lead to a discussion of highest priorities for observations to address outstanding climate questions.

Link to colloquia page: <https://www.atmos.colostate.edu/colloquia/>