

# Climate Test Bed (CTB) Seminar Series

Presents

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## **2013 Antarctic Ozone “Hole” Review**

**2:30-3:30 PM, January 15, 2013**  
**NCWCP Conference Center (#1604)**

NOAA Center for Weather and Climate Prediction  
5830 University Research Court, College Park, MD 20740

### **Abstract**

Massive depletion of stratospheric ozone over the Antarctic continent has been occurring annually between August and December since 1980. What is remarkable about the 2012 Antarctic ozone “hole” is that the amount of the ozone depletion and its areal extent was much smaller and lasted for a shorter period of time than in recent years. The ozone layer is slowly recovering from man-made ozone depleting chemicals due to steps taken by the Montreal Protocol and the ensuing amendments. However, annual variability in the meteorological conditions over Antarctica is expected to delay a clear statistical signal that conditions over the South Polar region are improving for a couple of decades. We will review this year’s ozone “hole” using observations from both land and satellite. We will present how tropical and southern hemispheric meteorological conditions impacted the ozone depletion amount, extent, and duration.