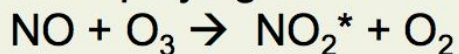


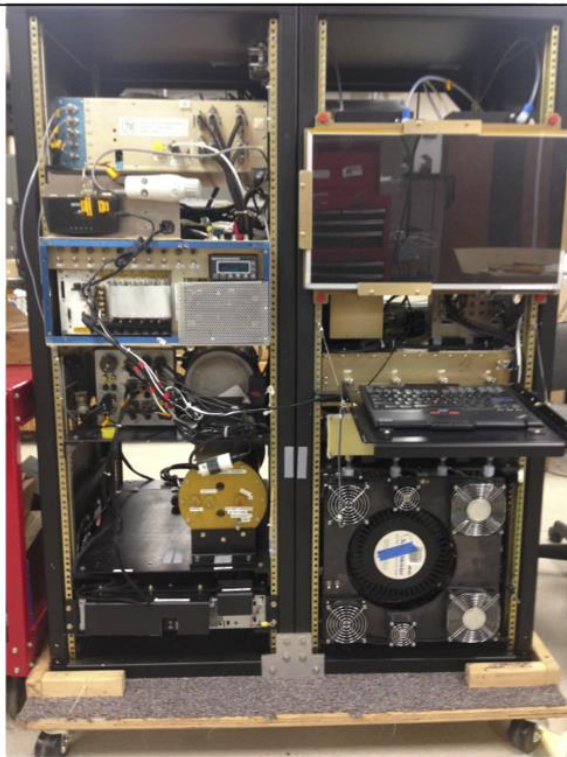
# In Situ Measurements of NO, NO<sub>2</sub>, NO<sub>y</sub>, O<sub>3</sub> from the DC-8



Four sample flows, each employing the chemiluminescent reaction:



NCAR 4-Channel Chemiluminescence Instrument



- For NO, reagent O<sub>3</sub> is added to the flow of ambient air.
- Photons are counted.
- For NO<sub>2</sub> and NO<sub>y</sub>, first convert to NO.
- For O<sub>3</sub>, reagent NO is added to flow of ambient air.

Deedee Montzka



Andy Weinheimer

