Tropical cyclone influence on upper tropospheric trace gas distributions from in situ measurements

E. Ray^{1,2}, K. Rosenlof¹ and POLARIS science team

We will take a preliminary look at the influence of an intense West Pacific tropical cyclone on the regional upper tropospheric trace gas distributions. We intend to use a range of trace gas measurements including from the Whole Air Sampler. Back trajectories will also be used to provide guidance for expected regions of influence along the flight tracks.

¹NOAA/ESRL/CSD ²CU/CIRES