

Peroxy acetyl nitrate (PAN) was measured using a Chemical Ionization Mass Spectrometer.

Data is reported every 1 min (averaged from 2 second individual measurements), in units of parts per trillion by volume (pptv).

Ambient air was routinely sampled from a tower at 3 different heights (0.6m agl., 2m agl., 6m agl., marked by data suffixes TwrL, TwrM, and TwrH, respectively).

Occasionally the instrument sampled from a balloon carrying three sampling lines to approximately 50m, 100m, and 150m agl., marked by data suffixes BalL, BalM, and BalH, respectively).

The ground level at the field site is approx. 5m asl.

The limit of detection is 5 pptv, and the uncertainty of the data is + or - 20% plus 5 ppt.

Please contact Frank Flocke ([ffl@ucar.edu](mailto:ffl@ucar.edu)) for more information