

# AWAS data status

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## Data

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# Sampling/Methodology

- 24 samples/flight (mostly),
  - 200 – 250 samples/mission
  - Approx. 60 gases reported
- Lab analysis: 5 instruments:
  - GC/MSD (1): General CFCs, HCFCs, RONO<sub>2</sub>, etc.
  - GC/MSD (2): More volatile PFC, HFC, NMHC
  - GC/FID: C<sub>2</sub> – C<sub>5</sub> NMHC
  - GC/FID/RGD: CH<sub>4</sub> + CO
  - GC/ECD: N<sub>2</sub>O (+SF<sub>6</sub>)

# Current Status

- Priority

- Whole mission merges of NWAS/AWAS/(PANTHER) data
- Adjusts offsets (typically small) between calibration scales used by NOAA and UM
- HIPPO 1, 2, and 3 have been distributed.
  - Only H1 with PANTHER, so far
  - Individual AWAS only files not yet submitted.
- Working on HIPPO 4 and 5...
  - Progressing well but not complete
  - Different working standards used during course of mission

# Issues

- No N<sub>2</sub>O data for H2 and H3
- Halon 1211 contamination during initial 5 – 6 samples of some flights (esp. H3 – 5)
- HFC-227ea contamination at high altitude (pump issue?)
- Occasional “flyers” – discard or flag?
- Calibrations:
  - OCS standard drift H4/5
  - Ethyne, CH<sub>3</sub>I
  - Direct standard exchange useful?