AMS Aircraft Issues
Middlebrook
AMS Users’ Meeting 10/27/03

• Logistics:
  – weight, power, space, location, safety
• Sampling:
  – inlets, pressure-control, RH-control, temperature-control, intercomparisons, calibration
• In flight operation:
  – background, averaging times, JMS, in-plume vs. stable, cross-training, remote, online Gizmo plotting, interactive with flight plans
• Data analysis:
  – Large data sets, variable locations and conditions, integrating with other measurements

Agenda

• Discuss plans, status, issues/problems
  – Jayne/Onasch: DOE G-1
  – Bahreini/Seinfeld/Flagan: CIRPAS Twin Otter
  – Schneider/Drewnick: DLR Falcon
  – Coe/Bower: FAAM BAe-146
  – Jimenez: NASA P-3B
  – Middlebrook/Matthew: NOAA WP-3D
  – Leaitch et al.: MSC Convair
  – Liu/Montague: King Air
• Shared Resources
Shared Resources/Action Items

- 24 v power from Balzers: Jose/John
- G-force ratings: Hugh/others?
- JMS: Jose/debugged by users
- Constant-P inlet: Ann/Brendan/Frank/Johannes
- Ambient T inlet: ?
- Background improvements: John/others
- Remote/automated operation: John/Jose
- Filter in flight using ambient air: Jose/others
- Quantify CE in flight: everyone with wire or other data
- Dva transmission of large particles:
- Previous startup/operation procedures: John/Roya/Jose/Johannes
- Real-time display: John/others
- Time sync w/ other computers: John/others
- Website repository: Jose