Aircraft coordination breakout

PFC tracer release and Lagrangian sampling

Actions:

- Plan for the timely positioning of the van, timing of tracer release, and aircraft intercept needs to be added to the flight planning document
- Responsibility for tracking the forward dilution and transport of the PFC tracer needs to be assigned

Aircraft intercomparison

Actions:

- Clearly establish the priority for intercomparison in clouds and draft a specific plan
- Develop a specific plan for synchronizing grab samples between aircraft (TOGA and WAS)
- Establish a specific protocol and schedule for cross-comparing standards on the ground
- Establish a schedule to place the GV and DC-8 side-by-side on the ground to compare radiation measurements

Aircraft coordination breakout (cont.)

Flight planning and sampling considerations
Actions:

- Develop flight scenarios that enable sampling storm inflow and outflow at ALL levels. How does this affect timing and location of aircraft?
- Use GV pointer system to track anvil evolution (How would other aircraft accomplish this? Could this be shared?)
- Need to establish flight rules to eliminate or minimize the probability of sampling exhaust (except when doing it on purpose for the SP2)
- Establish a priority to get the DC-8 to high altitude for a portion of each flight (unique aerosol and photochemistry measurements)
- Decision-making tree needs to be completed (how to assess in-flight information from the aircraft and the ground)

Aircraft-specific breakouts

Actions:

- All aircraft need to finalize data products for transfer between the aircraft and the ground.
- Go/No Go flight decisions will be situationally dependent. The only clear Go/No Go is for NOx measurements on the DLR Falcon
- GV communications needs to establish a flag for the Mission Scientist to suspend zero/cal of instruments during critical flight segments. This flag needs to expire after an agreed upon time limit in case there is a distraction.
- While no new actions were identified, it was clear that plans for data flow on the GV need to be finalized with all instruments passing their full data stream (comma delimited ASCII feed) to RAF.
- GV investigators should plan to take advantage of remote access to their instruments when the plane is on the ground to minimize crowding on the plane.

Data Management and Field Catalog Breakout

Actions:

- Need to decide whether comparisons will be blind or not. This affect how data will be handled.
- Need to identify a measurement on each platform for data synchronization (DLH and VCSEL?)
- Need to develop a table of simplified/standardized names and units for variable reporting