Readiness report LPMA/DOAS payload

(Pfeilsticker et al., IUP, University Heidelberg, Germany)

1. Technique:

- LPMA and DOAS instruments (solar occultation configuration) have been flown successfully 9 times (ready). Absolute calibration of the instruments in progress (in progress).
- LPMA-IASI (NADIR configuration) has been flown successfully 1 time (ready).
- Ultra-small DOAS (NADIR and LIMB) configuration on LPMA-IASI, LPMA-CEASR, ... is in preparation (voluntary contribution).

2. Post-flight data analysis:

- Spectral retrieval and profile analysis: Proven through a set of peer reviewed publications (ready).
- Improvement of postflight met analysis (trajectories analysis, ...) under way (first results for ADEOS/ILAS and ODIN validation flights available) (ongoing)
- Validation of chemical transport modeling is proven and ongoing (ready).
- Satellite validation (POAM II, and III, SAGE II, ODIN, and ADEOS/ILAS) proven through a set of peer reviewed publications (ready).

3. Flight planning:

- Feb. 2003 LPMA/DOAS flight confirmed for Kiruna.
- Schedule of the AO 465 flight under discussion (summer/fall 2002 requested) but April 2003 more likely.
- Ultra-small DOAS flights on LPMA/xxxx payloads in summer 2002 (Kiruna) and 3 times in winter 2003 possible.