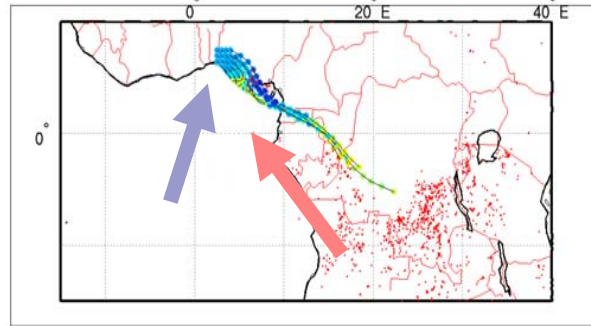
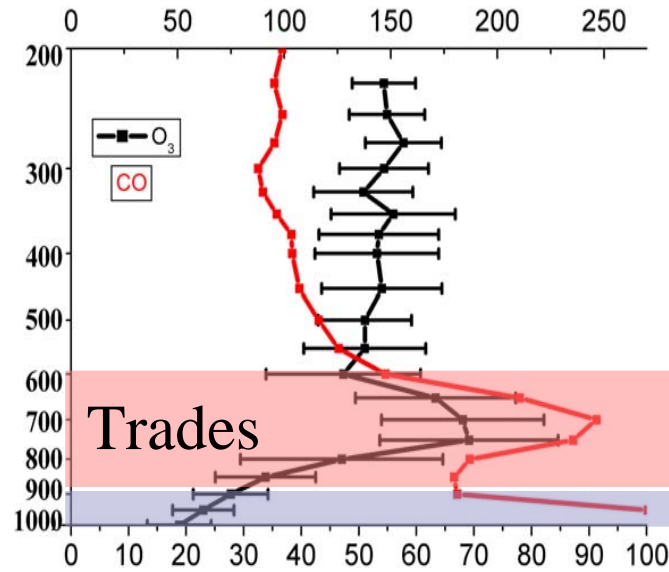
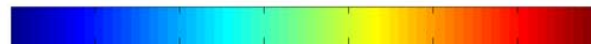


Aerosol and Chemistry – Scientific discussions

O₃ and CO climatology (MOZAIC and ozonesoundings in Cotonou) - Thouret/Mari



Possible penetration of SH biomass burning in the wet-season region -> dedicated forecast



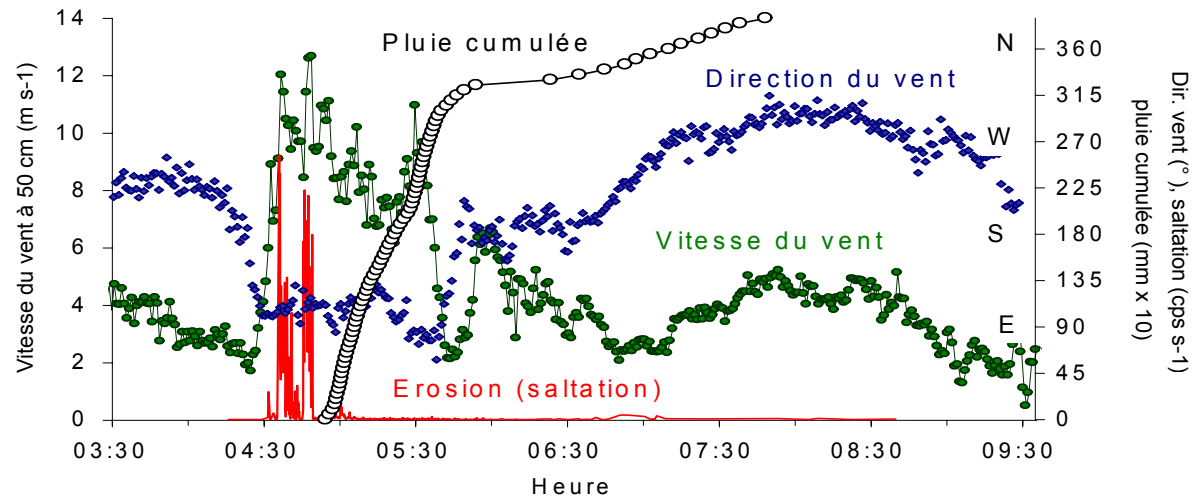
Biomass burning/FF/BF emissions - Liousse



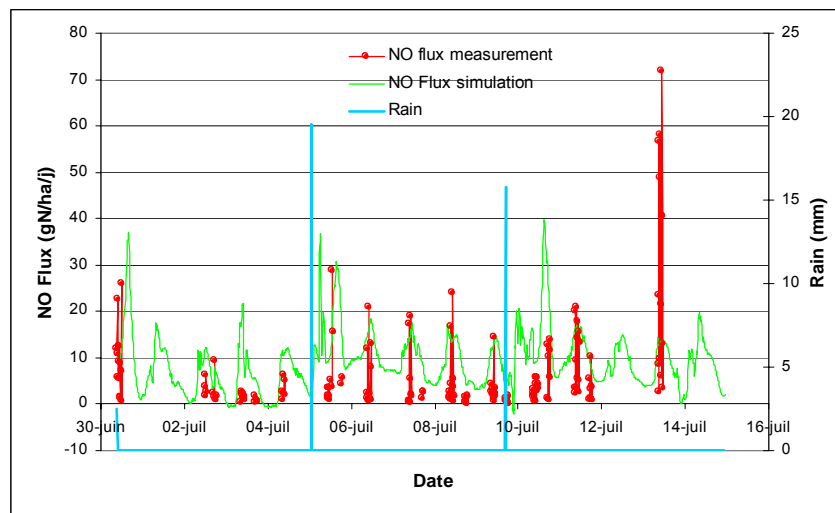
Emission measurements of the exhaust plumes produced by a "Zemidjan" or motorcycle taxi, the most popular means of transportation in Benin

UK/BAe-146 flights downwind of major cities in WA -> Pollution experiment in Cotonou

Mineral dust cycling: a review - Marticorena



Biogenic NO emissions - Delon/Serca/Dupont



Low fluxes measured at Hombori and Benin during the wet season.
Emissions at mesoscale -> extrapolation to the regional scale? Aircraft measurements.



Implementation Plan:

- **TT2b** (Marticorena): Additional sunphotometer in Lamto during the SOP periods
- **TT4** (Rajot): Additional O₃, CO and NO_x measurements in Banizoumbou.
- **Lidar discussion**: Possible re-deployment of one lidar (M'Bour) in Ouagadougou
- **TT8** (Mari):

I1.1 -> I1.7:

Coordination between aircrafts (BAe-146 & ATR42) during the North-South transects and Gourma exploration.

Coordination with ground-based measurements in Cotonou, Djougou and Gourma

Ozonesoundings: recommendation for doing launches at different time of the day (diurnal variations of emissions / boundary layer mixing)

I2 (MCSs) and I3 (LRT):

General concept accepted. Coordination needs to be further discussed with the Geophysica and D/F20 based in Ouaga.

Intercomparison flights (QA/QC) – Dedicated plans and flight hours needed



PRIORITIES:

- Radar in Niamey (top priority)
- Additionnal Geophysica flight hours (H. Schlager & K. Law)
- Radar in Ouagadougou (military).

Logistics:

- Logistical requirements for the D/F20 and Geophysica need to be incorporated into the TTs and IIP. Integration within the ST2.
- Communications with the secondary AOCs (Ouagadougou, Djougou): availability of radar images in real-time, forecast, daily phone calls, ...
- Communications aircraft-AOC: satellite communications in french aircrafts !!!