

## Raman LIDAR at CRLF

Raman LIDAR runs for the FD shift period.

- before FD shift 12 min
- during FD shift 12 min
- after FD shift 12 min

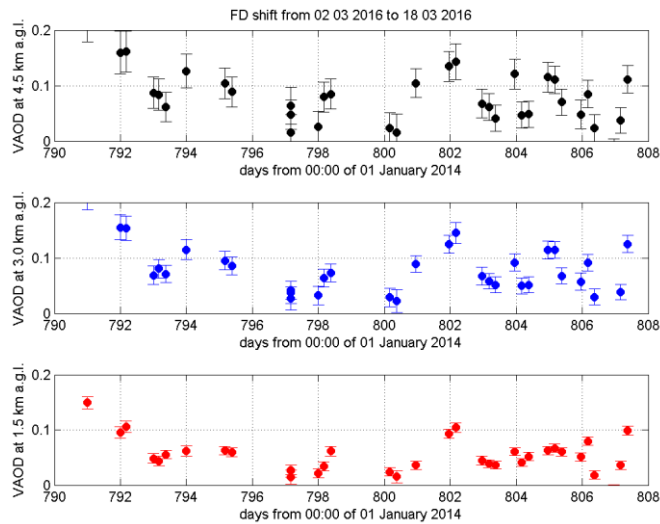
Raman LIDAR STATUS.

- active channels: AIR, Raman N2, Raman H2O.

Raman LIDAR performances.

- useful profiles of:
  - VAOD (vertical aerosol optical depth) = 35 of 51
  - aerosol backscatter coefficient = 35 of 51
  - H2O mixing ratio = 35 of 51
- UNuseful profiles due to:
  - software/hardware problems = 0
  - precipitation and/or low clouds = 16

Timeseries of VAOD values and corresponding errors at  $1.5\pm 0.3$ ,  $3.0\pm 0.3$  and  $4.5\pm 0.3$  km above ground level.



Histograms of VAOD values at  $1.5\pm 0.3$ ,  $3.0\pm 0.3$  and  $4.5\pm 0.3$  km above ground level.

