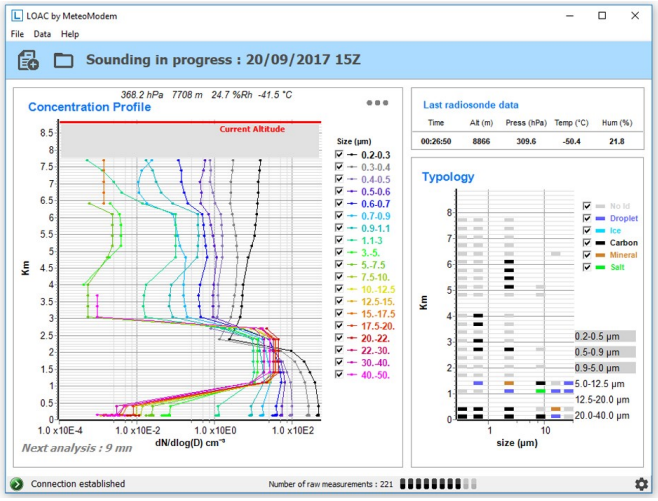
LOAC Telemetry

LOAC is the state of the art analyser consisting of an aerosol particle counter providing size distribution and typology while offering a high level of sensitivity. This new, unique and versatile aerosol monitoring instrument does not needs any lense. It uses a laser beam and measurements are conducted at two scattering angles, of 12° and 60°.

The LOAC Telemetry is an instrument composed of a Light Optical Aerosol Counter coupled to a M10 allowing data transmission in real time to the SR10 receiver.

- The LOAC determines the concentration of aerosols (numbers of aerosols per cm3) for 19 sizes classes between 0.2 and 50 µm (with 9 sizes classes between 0.2 and 5 µm). The instrument can be used to document the physical properties of aerosols.
- This modular instrument is fitted for airborne measurement constraints. Indeed the pump speed and stability remains the same all along the flight. The LOAC is insensitive to temperature and pressure variations.
- Weight : 1 kg

LOAC Software :



REFERENCES :

- More than 100 scientific flights performed under balloon
- LOAC has performed 19 flights during the ChArMEx campaign in summer 2013
- Voltaire project LPC2E / CNES perform stratospheric and atmospheric soundings twice a month = 25 / year
- 90% of successful recovering. LOAC is reusable
- AOG Balloon (Paris) : analysis of the variation and nature of the urban aerosols' concentration
- SIRTA : fog study

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ISO 9001 BUREAU VERITAS Certification

MADE IN FRANCE