



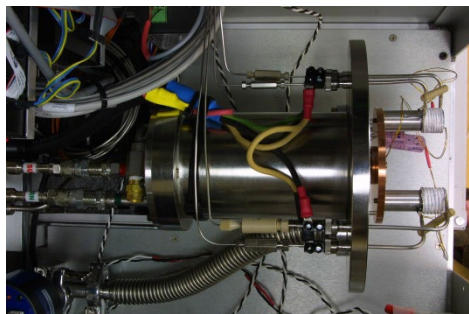
Empa

Materials Science and Technology

Jungfraujoch

Martin K. Vollmer, Matthias Hill, Paul Schlauri, Myriam Guillevic, Stefan Reimann,

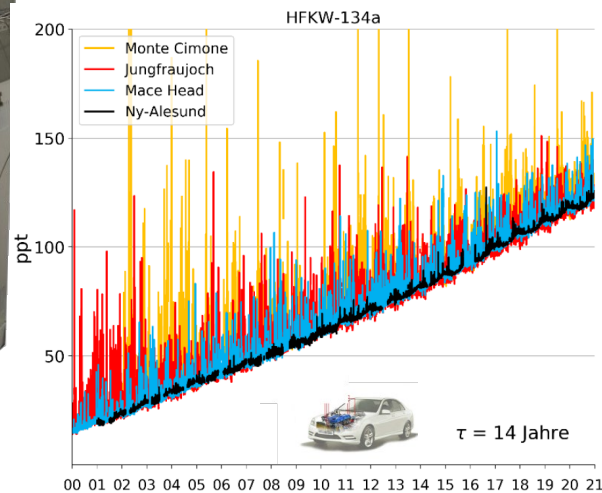
VOCs Jungfrauoch within ACTRIS and AGAGE



Preconcentration
(Medusa)



- CFCs
- HCFCs
- HFCs
- HFOs
- NMHCs
- Aromates



The Advanced Global Atmospheric Gases Experiment

AGAGE

Department for Business, Energy & Industrial Strategy

NASA

CSIRO

NILU

Empa

Materials Science and Technology

Georg Tech

MIT

University of BRISTOL

Australian Government Bureau of Meteorology

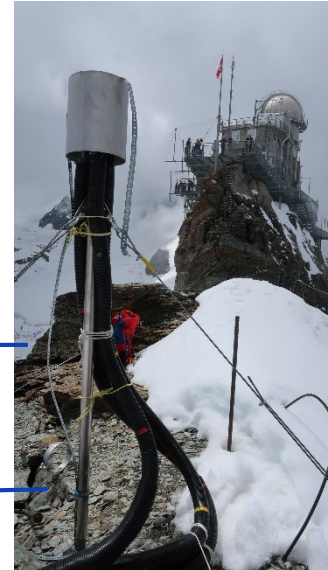
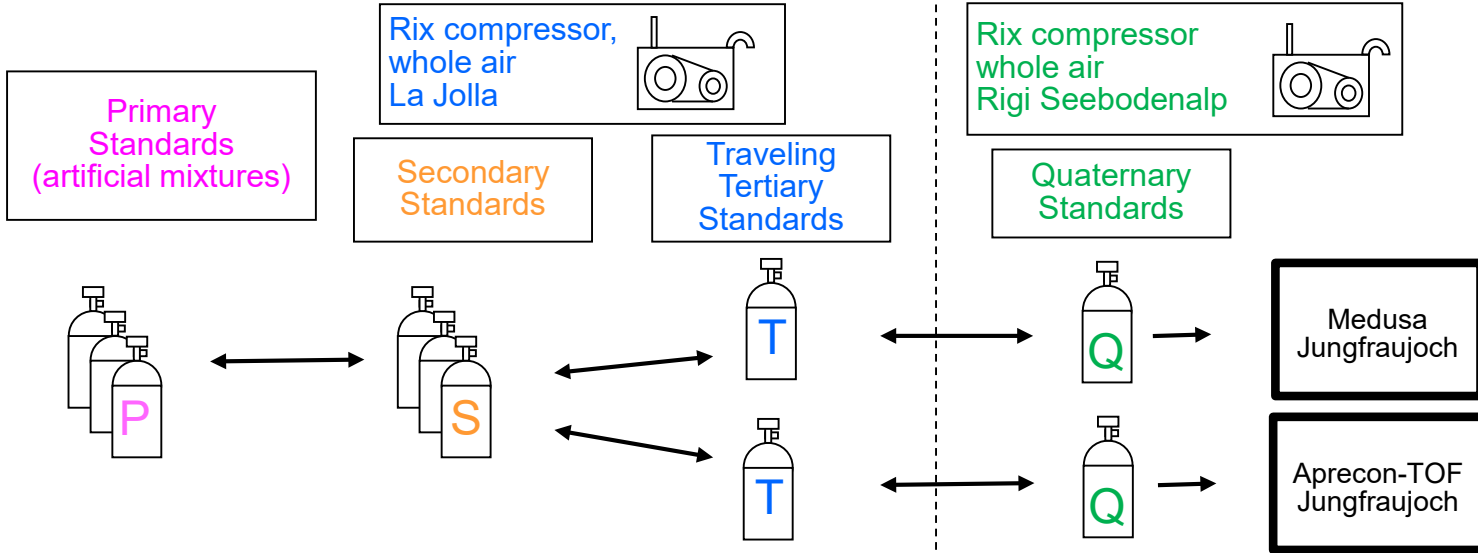
RSA

AGAGE affiliate

Calibration Scheme: Medusa and Aprecon independent

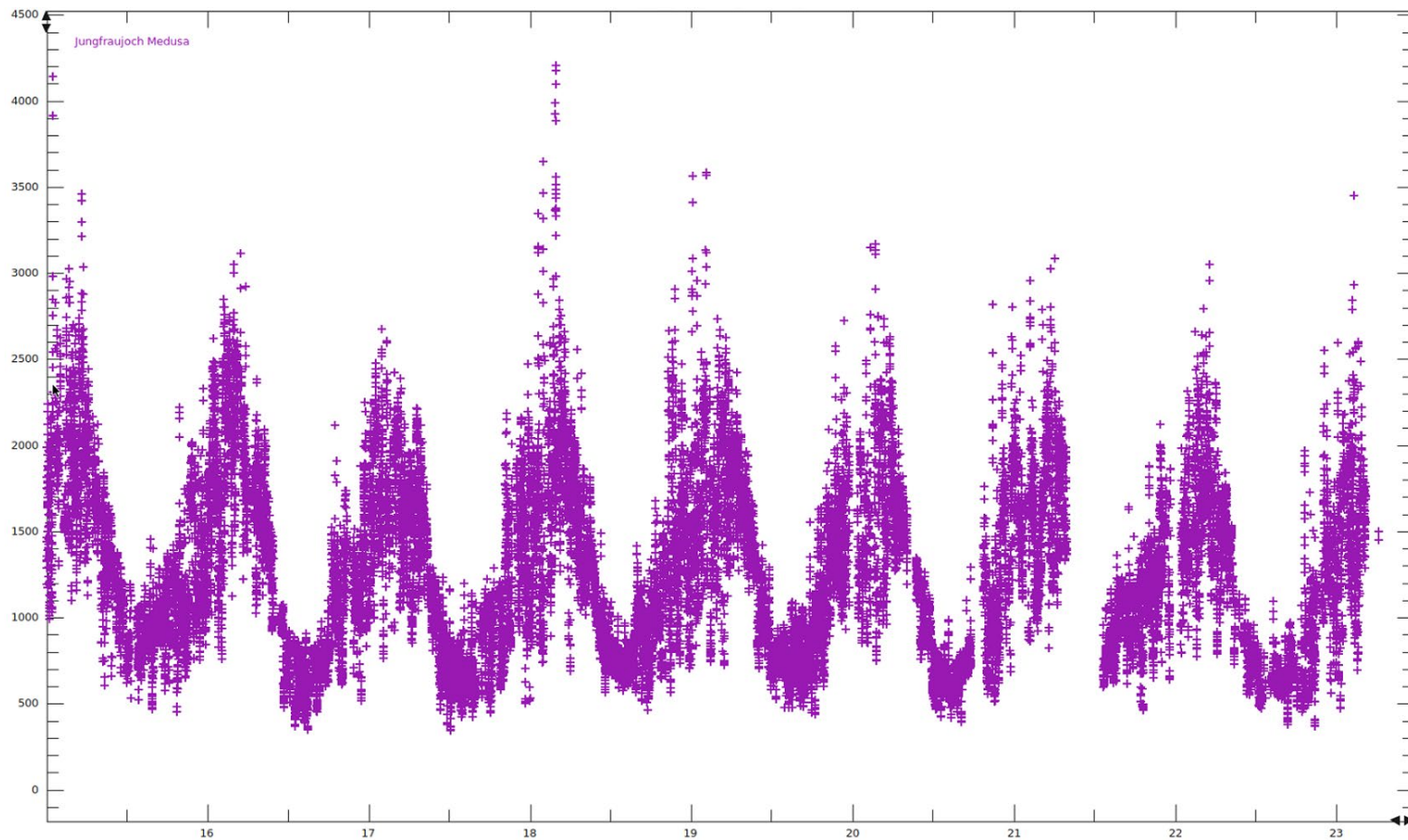
Scripps Institution of Oceanography (SIO)

By Empa

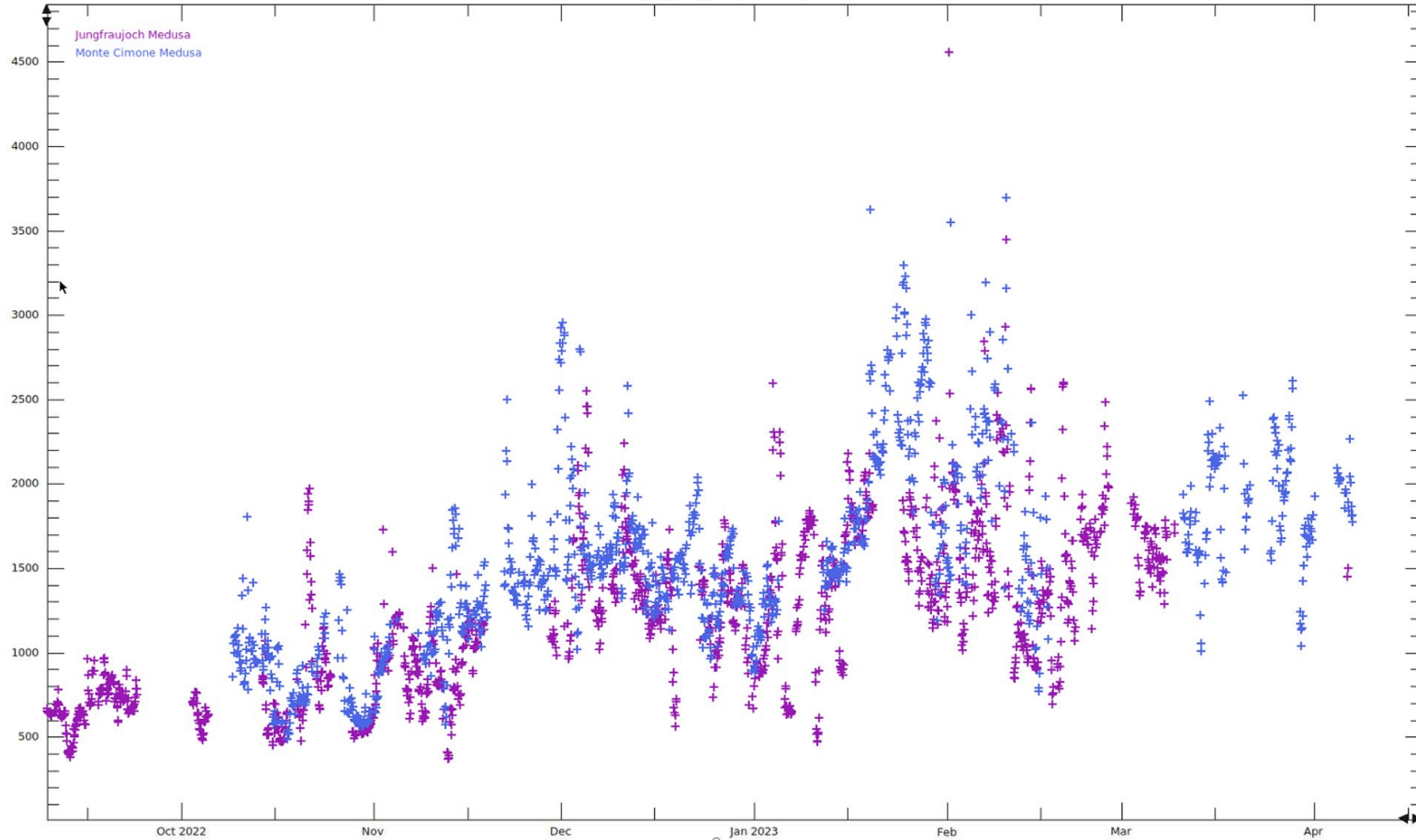


Same inlet,
separate tubing
(100 m, heated)

Ethane at Jungfraujoch



Ethane at Jungfrauojoch and at Monte Cimone, 2023



benzene at Jungfrauoch and Monte Cimone

