

Mesures de méthane par ballon-sonde - 21/08/2021 - Kiruna

Félix Langot

Supervisé par C. Crevoisier, T. Lauvaux
LMD - Palaiseau

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2021 08 21

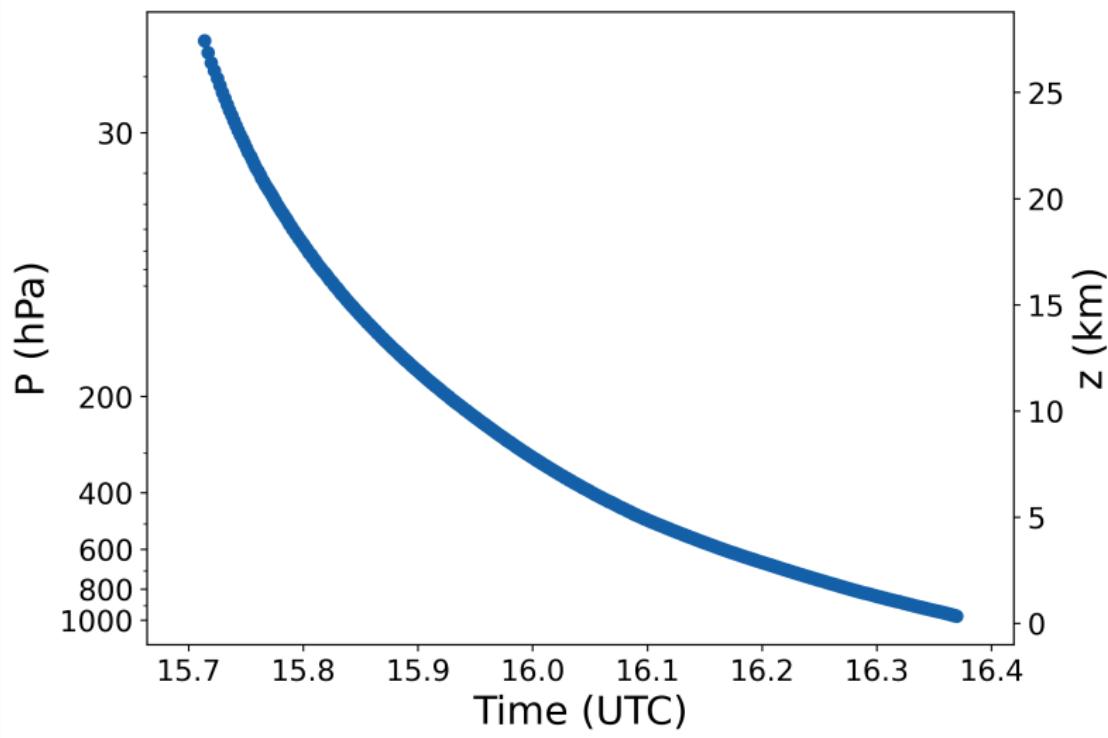
time : UTC

- Latitude (deg. N) • CH₄ (ppb)
- Longitude (deg. E) • sd CH₄ (ppb)
- GPS geopotential altitude (km) • CO (ppb)
- Pressure (hPa) • sd CO (ppb)
- Ambient Temperature (K) • N₂O (ppb)
- Ambient Relative Humidity (%) • sd N₂O (ppb)
- CO₂ (ppm) • H₂O (ppb)
- sd CO₂ (ppm) • sd H₂O (ppb)

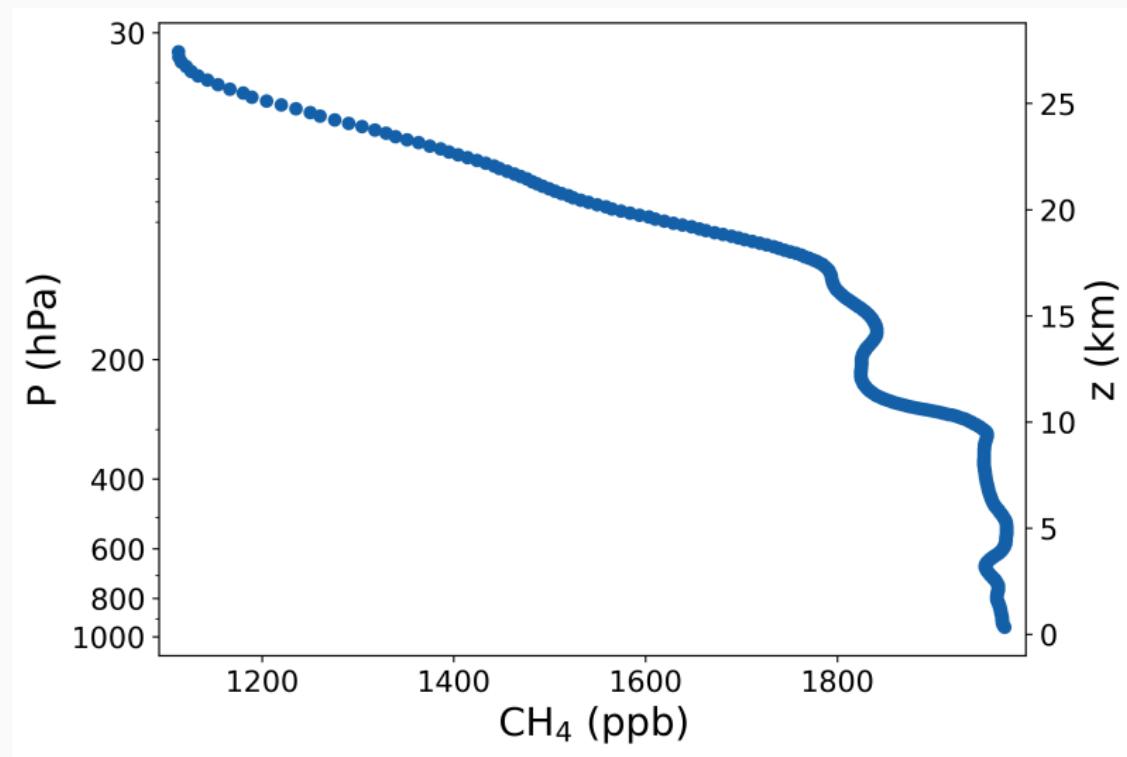
- Take-off latitude 67.88925 deg.N
 - Take-off longitude 21.08244 deg.E
 - Take-off site ground pressure 972.591 hPa
 - Take-off site ground altitude 0.338 km
 - Burst altitude 27.603 km
 - Landing site latitude (AirCore) 67.84699 deg.N
 - Landing site longitude (AirCore) 21.61335 deg.E
 - Landing site ground pressure (AirCore) 970.878 hPa
 - Landing site ground altitude (AirCore) 0.341 km
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- Landing site (AirCore) : In a tree within a marshy forest
 - Separation AirCore/Radiosonde : No
 - Take-off time 14 :32
 - Burst time 15 :43
 - Landing site time (AirCore) 16 :22
 - Closing valve status : auto 16 :22
 - AirCore analysis starting time 19 :34
 - AirCore analysis ending time 20 :22

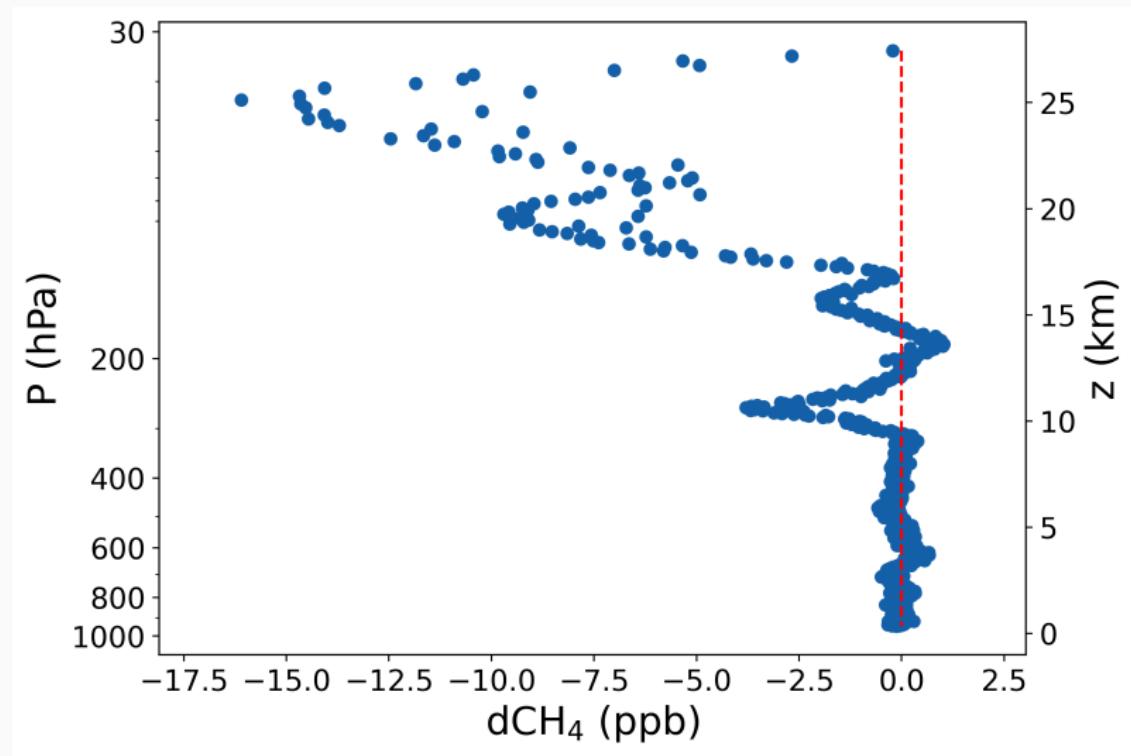
- AirCore ID : 35
- Length, external diameter and width of AirCore tubes : 23m, 8mm, 0.20mm | 46m, 4mm, 0.15mm
- CO₂a, CH₄a, COa, H₂Oa data measured with a Picarro G2401.
- N₂Ob, CO_b, H₂O_b data measured with a Picarro G5310.
- Measure orientation : top of profile analyzed first
- Mole fraction measurements are corrected to WMO reference scales.
- Lat, Lon, Alt, T, RH provided by the M20 meteosonde where the air was sampled.
- P is provided by the AirCore electronic board where the air was sampled.

Temperature within AirCore tubes is measured by 6 thermistors positioned along the AirCore tube(s).

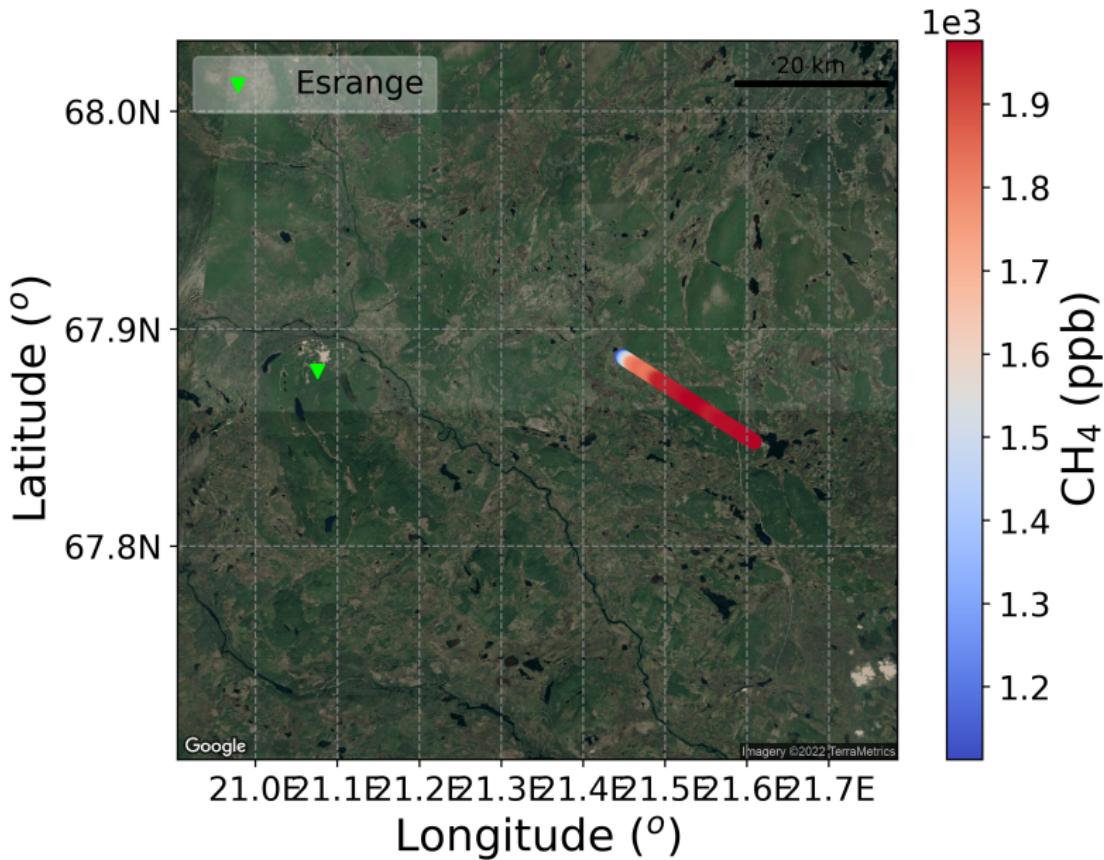


CH_4





CH_4



CH_4

