

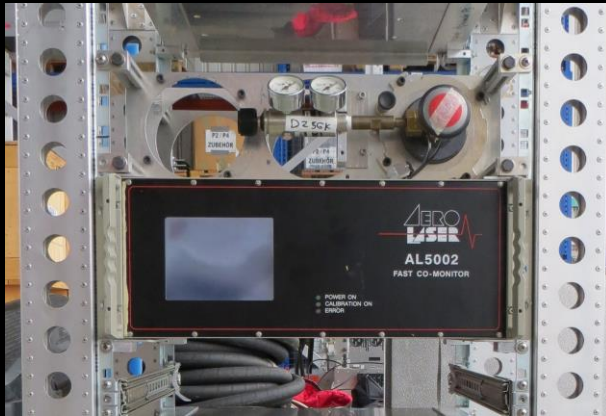
Trace Gas Measurements



Instruments

- Aircraft based measurements of CO, CO₂, H₂O and O₃

CO



Resolution: 1Hz
Weight: 52,7 kg (total)
Power: 270 W
Tot. uncertainty: 1,5% (1 σ)

Based on UV fluometry

CO₂/H₂O



Resolution: 1Hz
Weight: 20,3 kg (total)
Power: 220 W
Tot. uncertainty: 0,2% (1 σ) CO₂

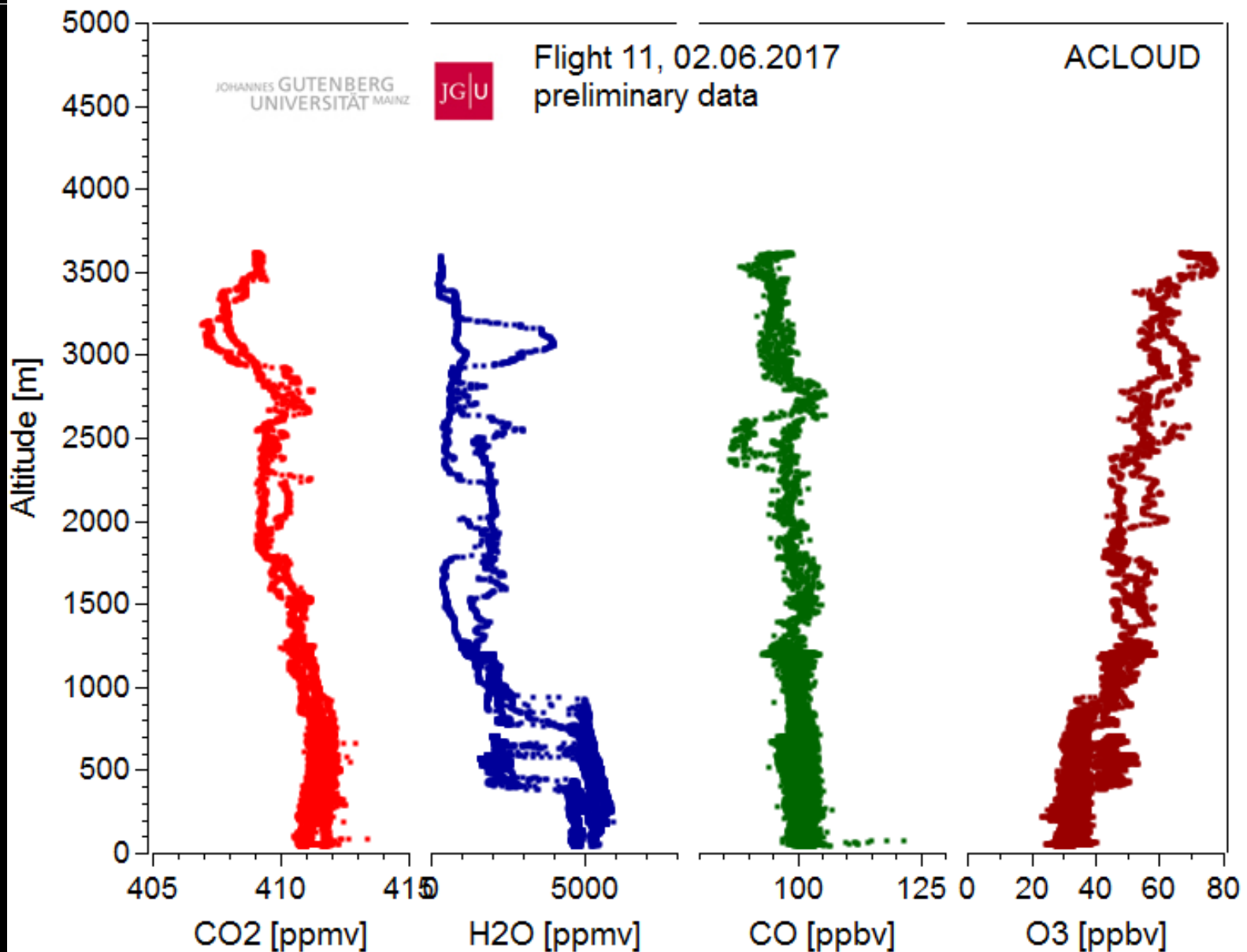
Based on infrared absorption spectroscopy

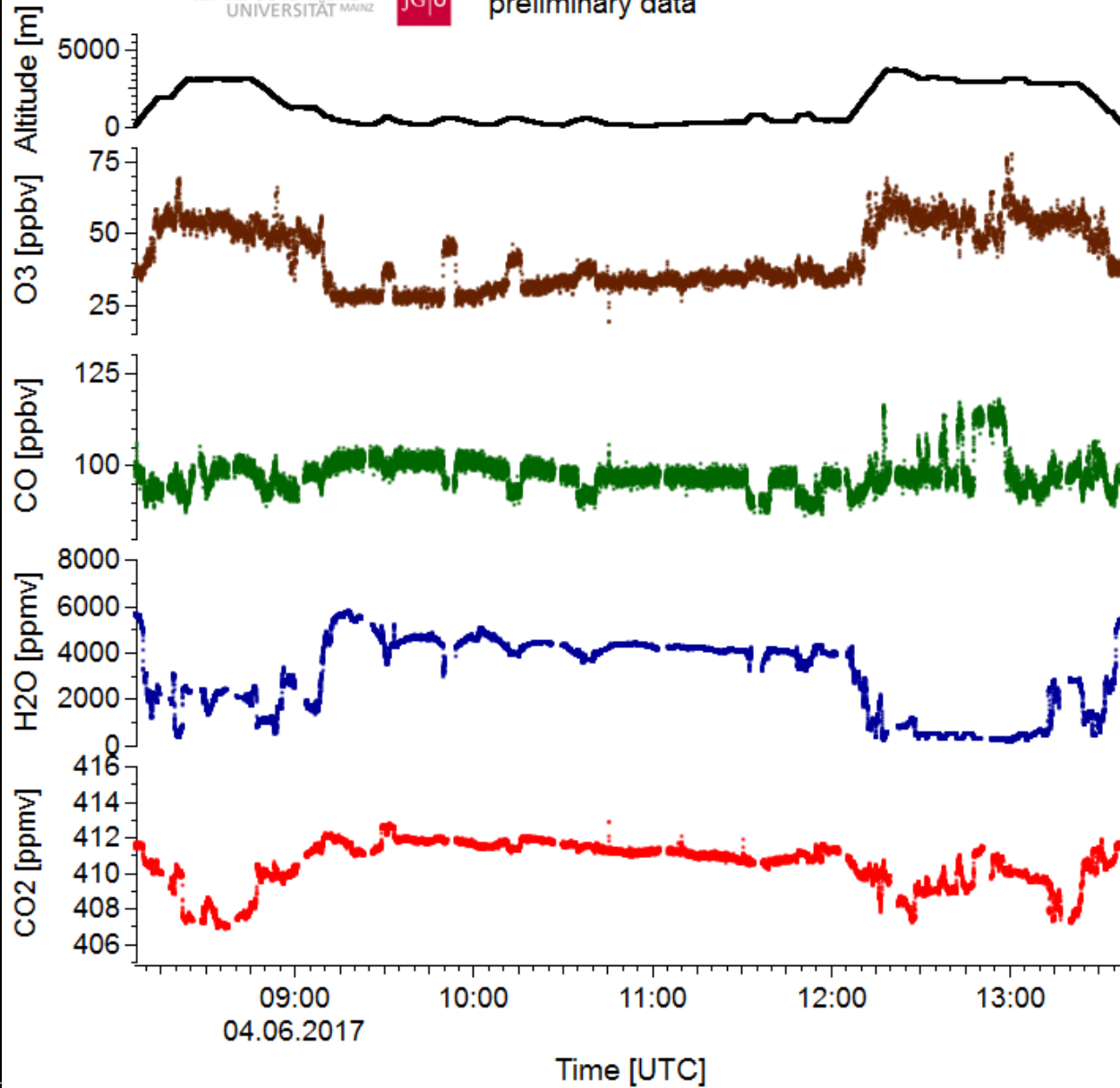
O₃

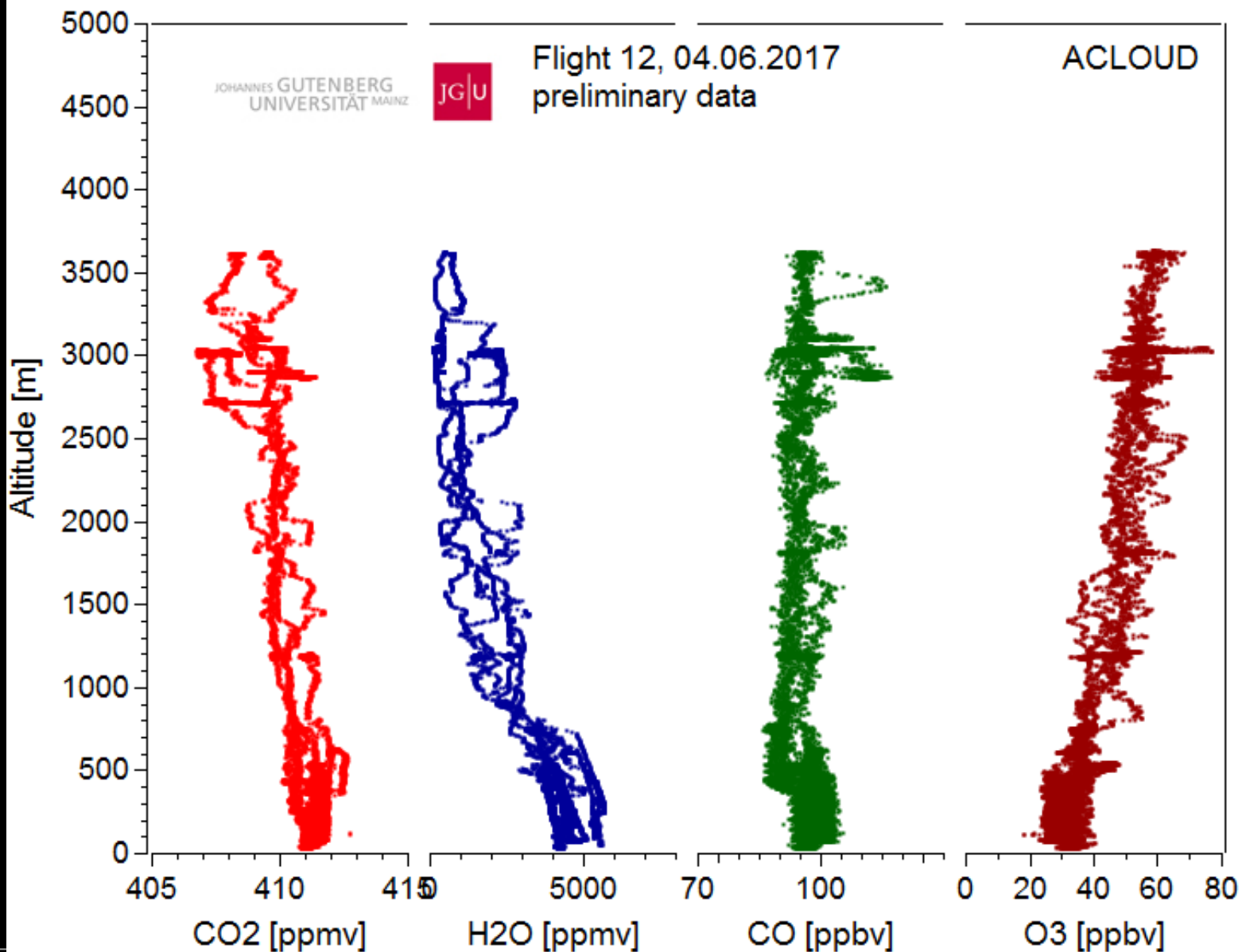


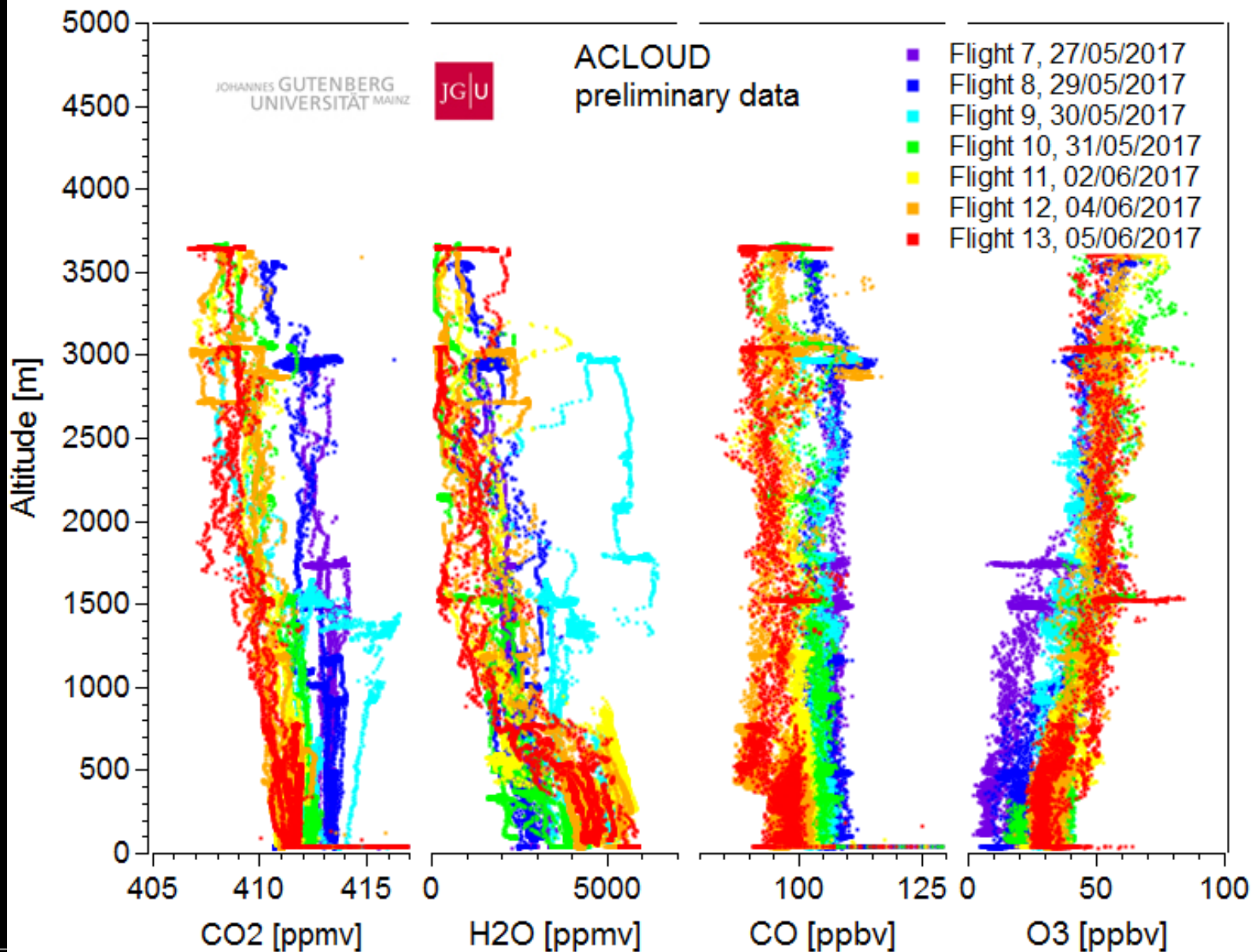
Resolution: 1Hz
Weight: 2,1 kg (total)
Power: 5 W
Tot. uncertainty: 2% (1 σ)

Based on UV absorption at 254 nm









Thank you!

