

Cape Verde Atmospheric Observatory

VOC submission

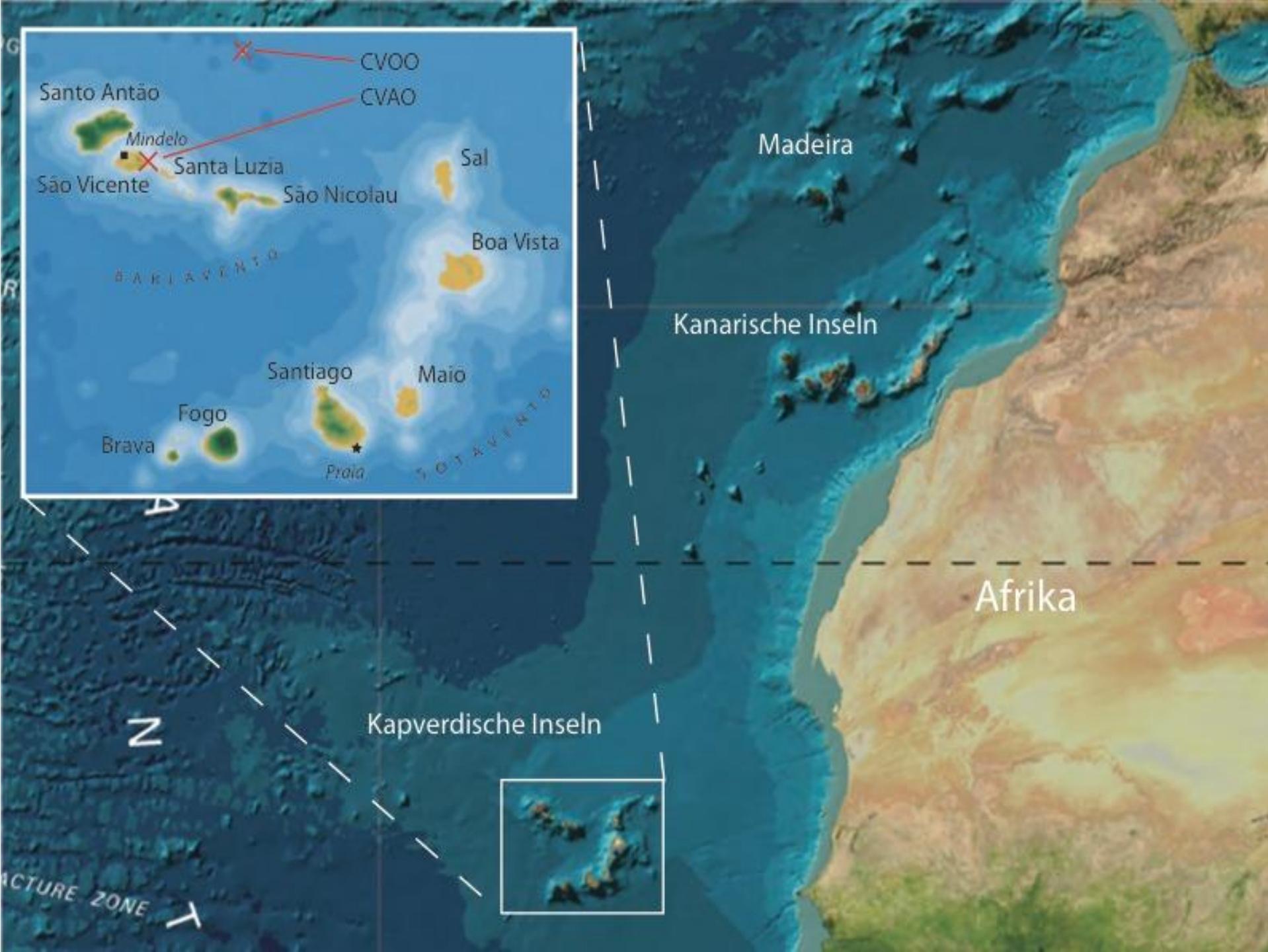
Beth Nelson

7th April 2025

Where are the Cape Verde Islands?

(16° 51' 49 N, 24° 52' 02 W)





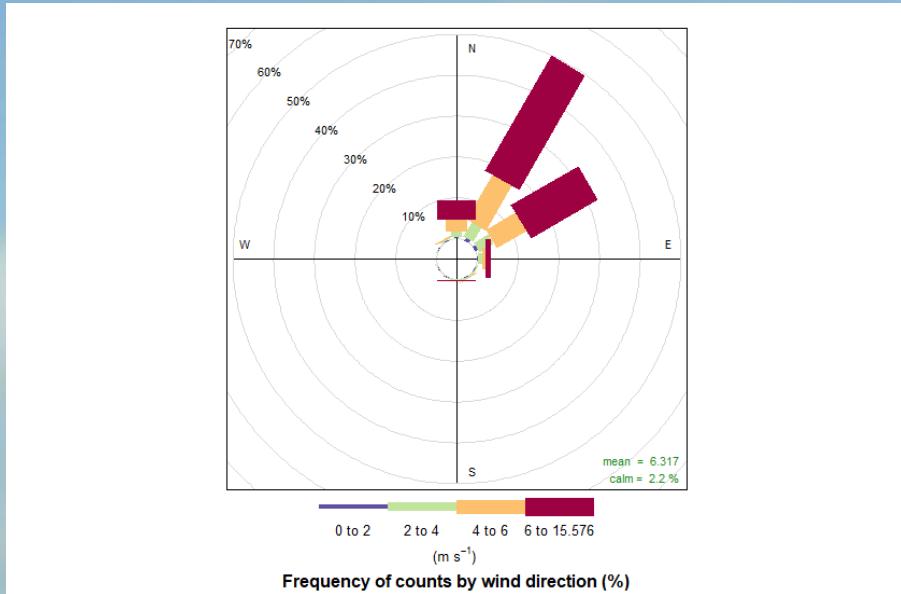
Site Specifications

- 50m from coastline
- 10m above sea level
- Archipelago is volcanic in origin
- Such a site offers a rare opportunity for ground-based studies of clean marine air

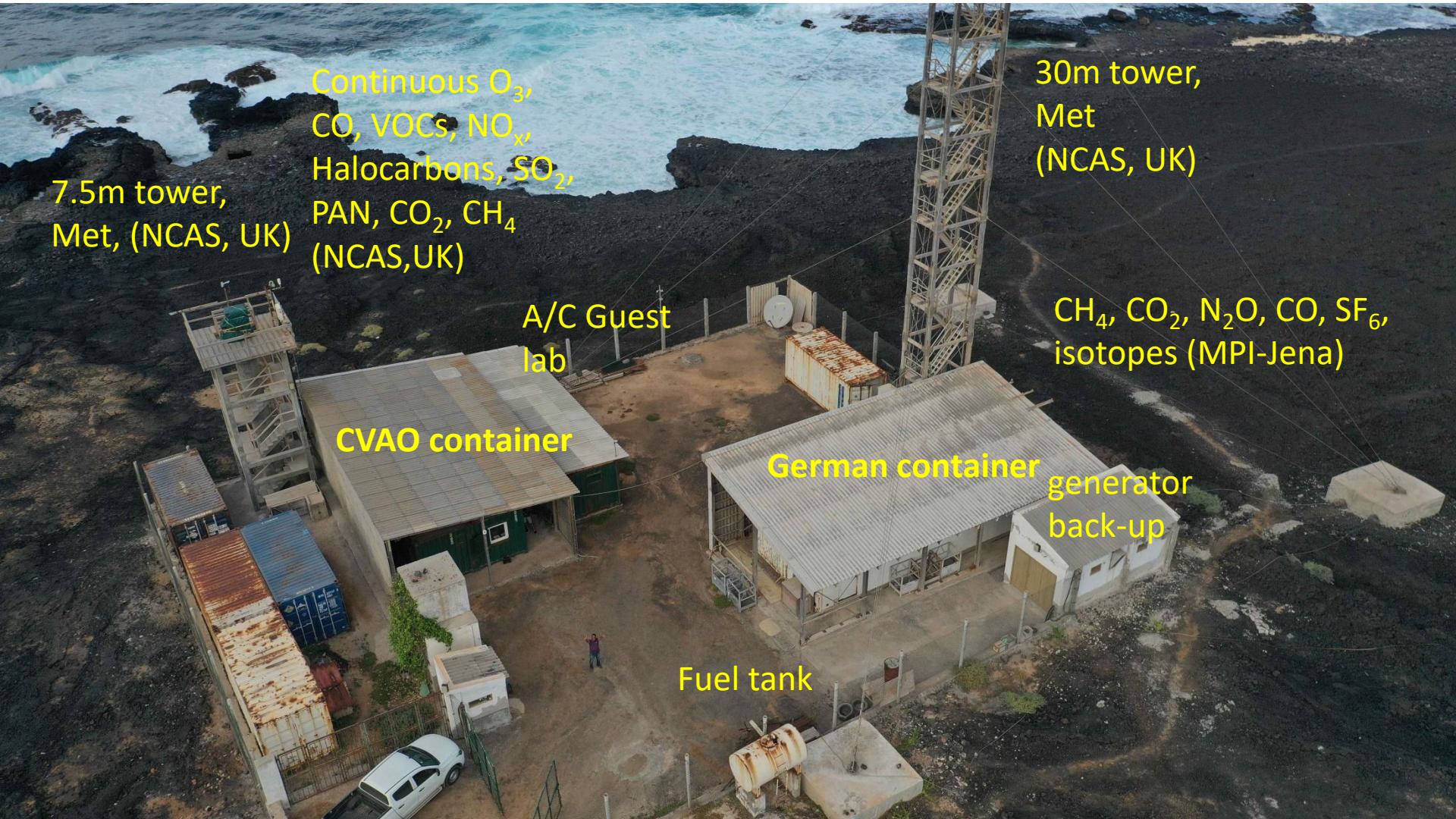


Oct 2006

Measurement began



site expansion over years



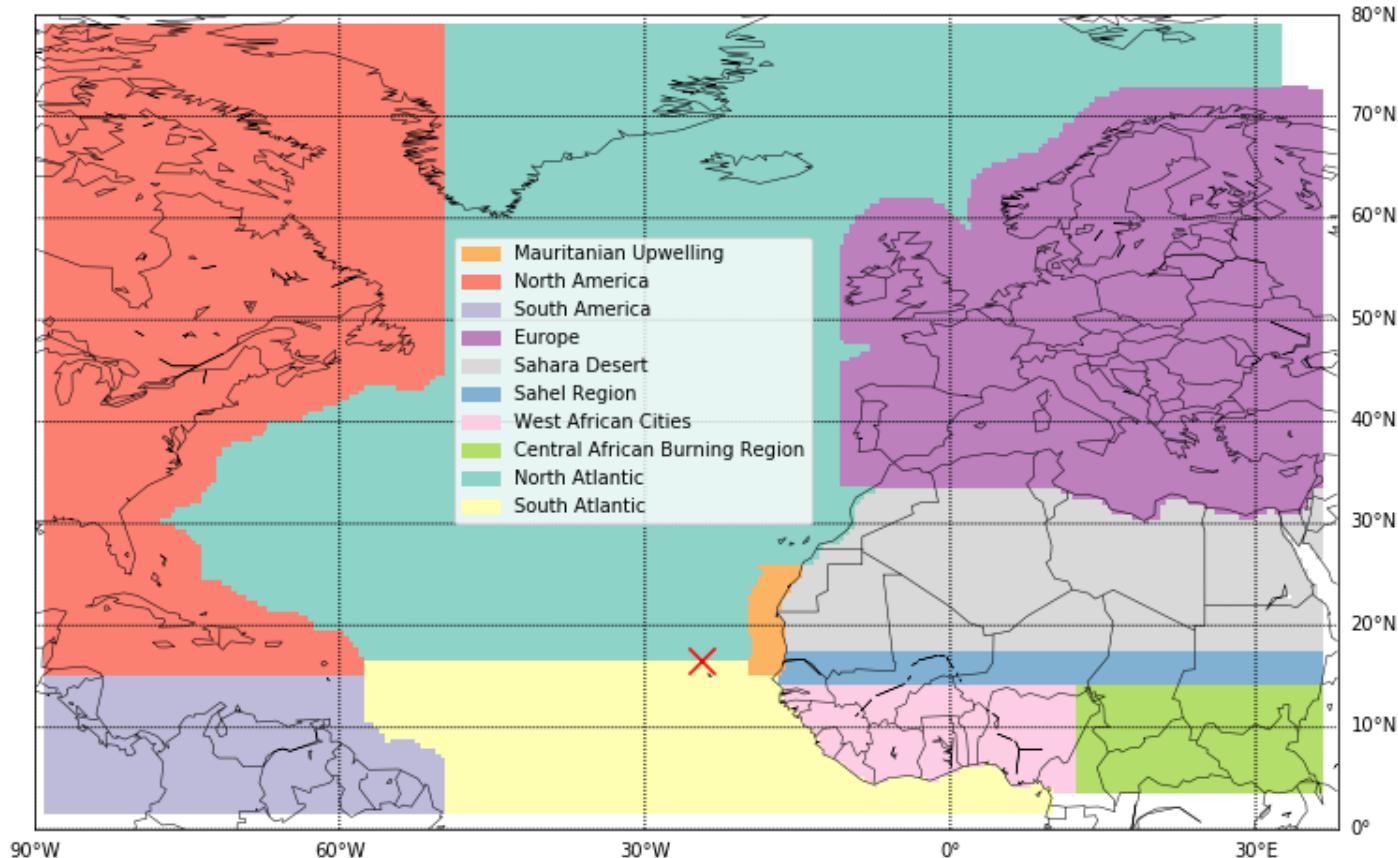
CVAO laboratory



Luis Neves, Site manager

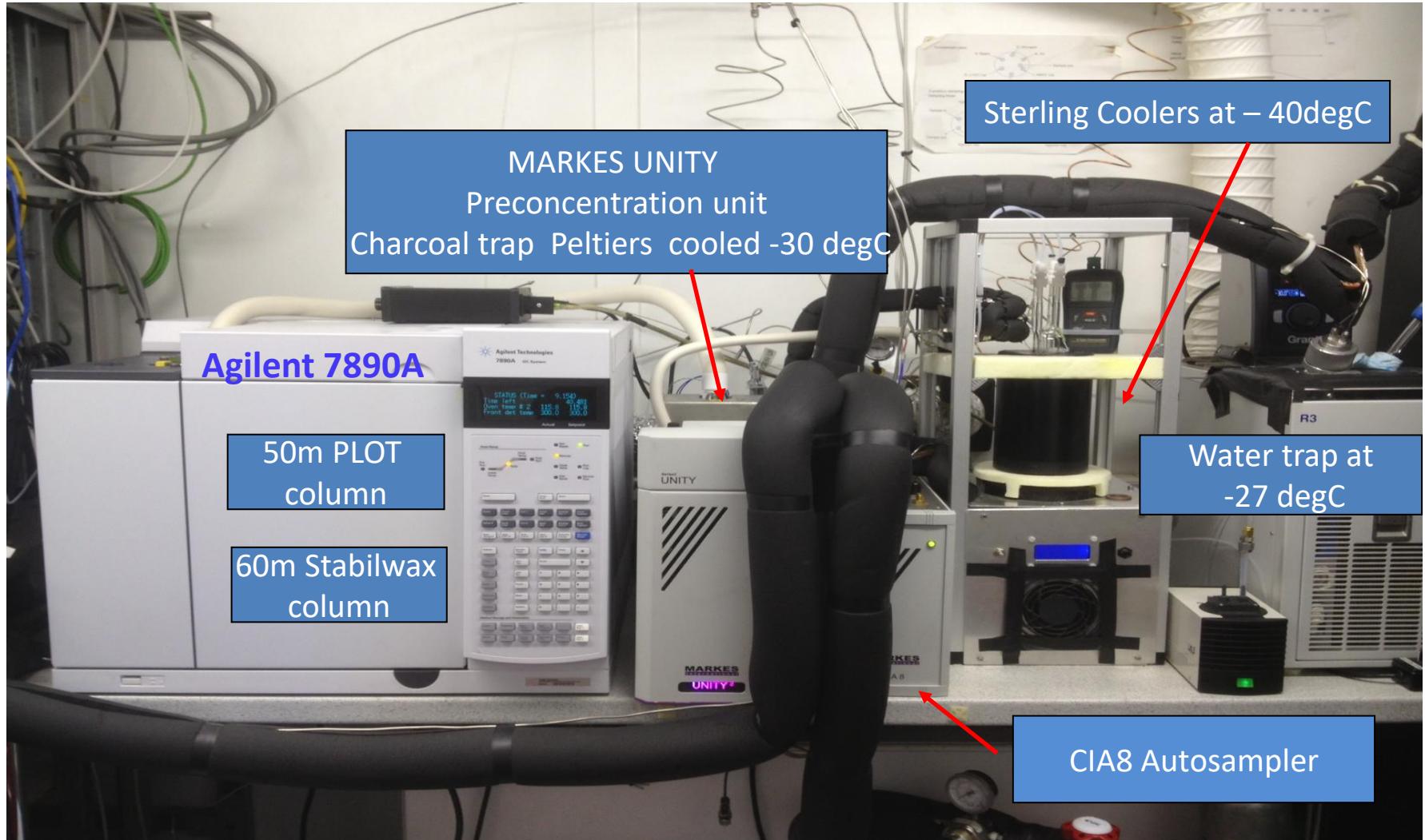


Classification of airmasses



We receive a variety of airmasses at the site

Since June 2013 instrument upgrade

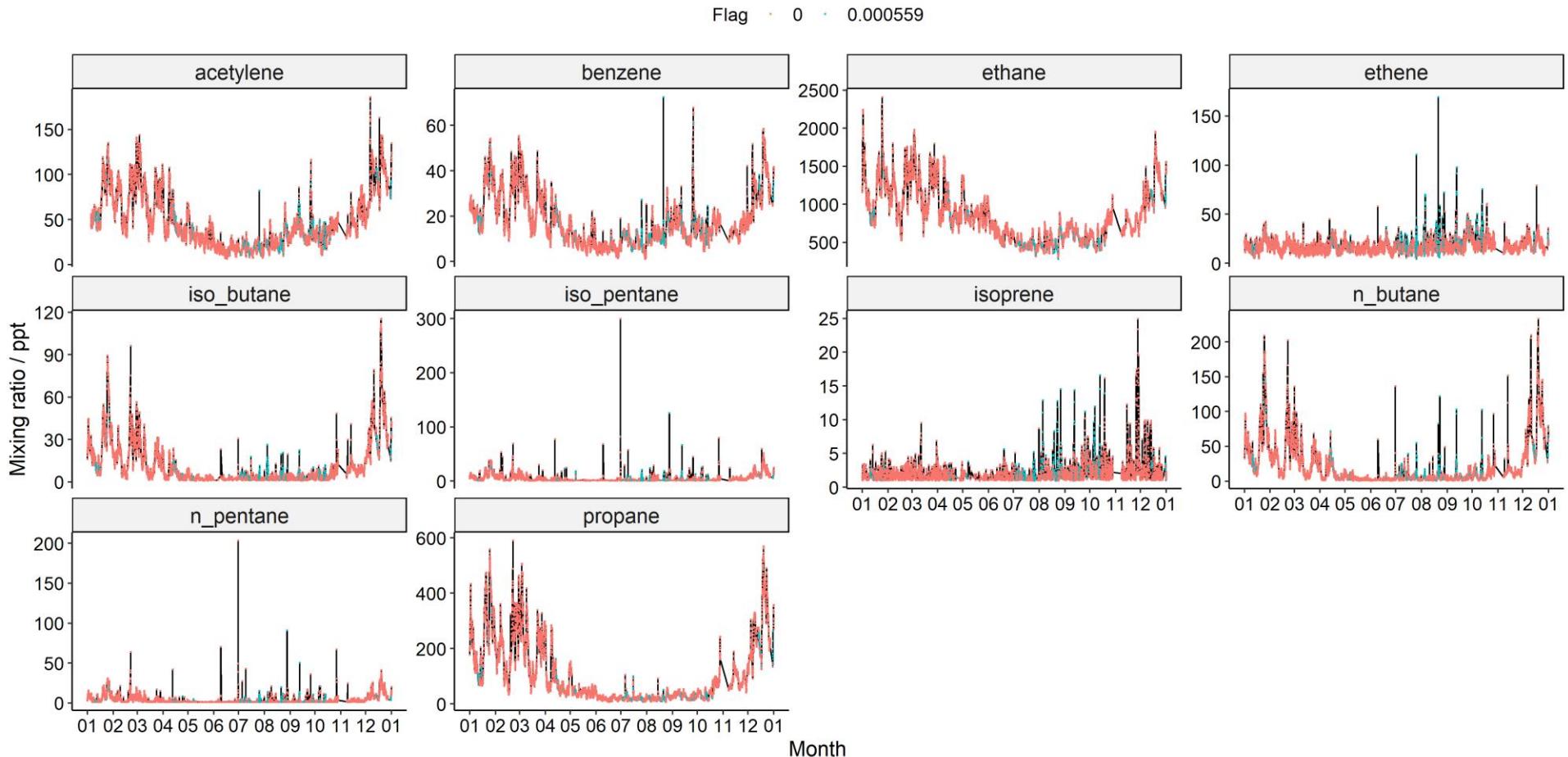


Commercial preconcentration and autosampler system : MARKES Thermal Desorption unit (TDU)

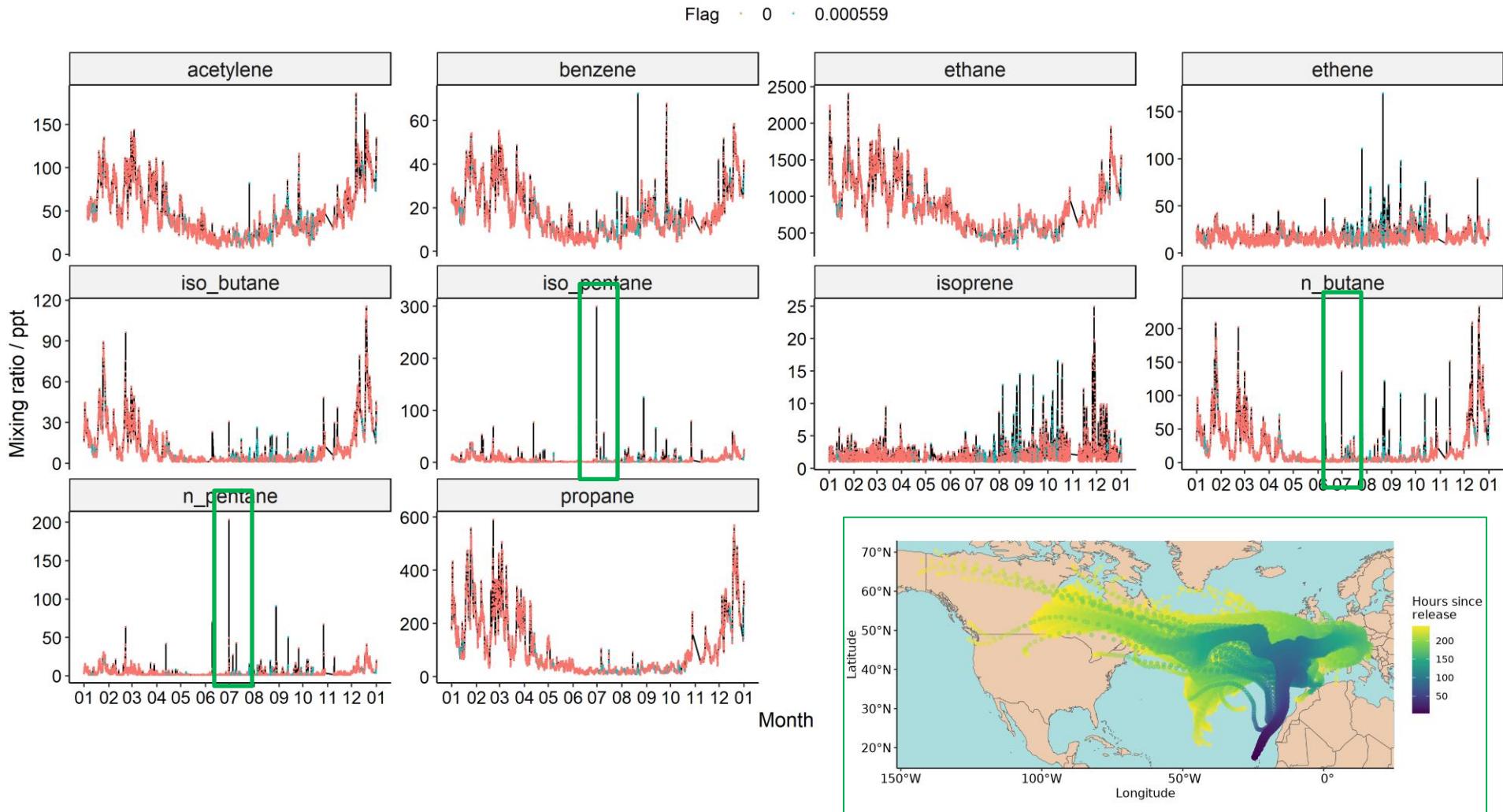
VOC 2024 submission

- Ethane
- Propane
- *n*-Butane
- *iso*-butane
- *n*-pentane
- *iso*-pentane
- Ethene
- Acetylene
- Isoprene
- Benzene

VOC 2024 submission



VOC 2024 submission



VOC 2024 submission

