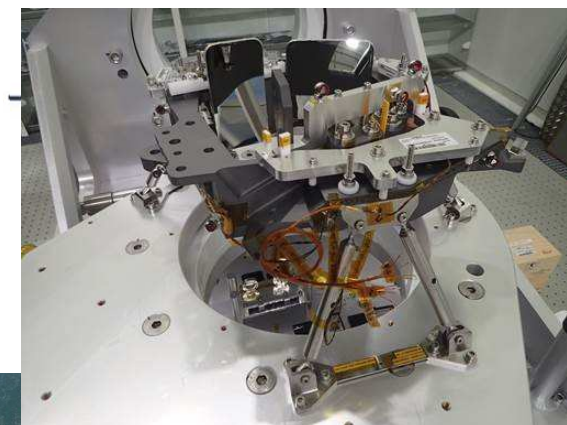
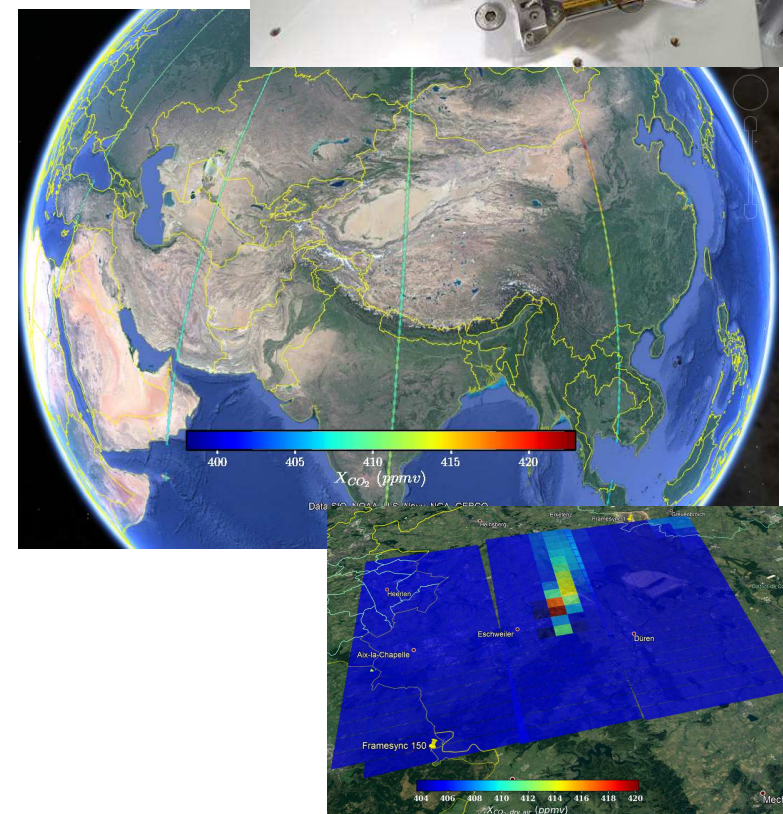




Statut : Instrument & Ground Segment



- After difficulties at detector level (**remanence effect**) in 2020 some solutions were found and the **Integration** is on the way before **Instrument Thermal Vaccum Test end 2021** (expected with solar view)
- Nominal mode (Nadir/Glint): 3 FOV ACT with individual FOV $\sim 4.5 \times 9$ km² & experimental City mode (2x2 km² on site 40x40 km²)
- The **1.27 μm O₂ (B4)** show very encouraging results for aerosols correction in CO₂ Band (once Airglow effect corrected)
- An **EndtoEnd simulator** is now in place and used to complete characterisation of more than 28 types of errors (from L1 to L2) is almost done
=> Precision is estimated < 1 ppm (spec) but some work is still in progress to reduce regional Bias($< 0,1-0,2$ ppm)
- Agreement with **Eumetsat** for operationnal processing of L1, L2 using 4ARCTIC



CEOS AC VC 17, June 7th, 2021



MICROCARB

Statut : Satellite and planning



- Integration of the plateforme Myriade (200kg) on going at TAS-UK (MOU with UKSA)
- Integration of satellite early 2022
- Launch expected end 2022 with VEGA-C (polar orbit heliosynchrone, 22h30 HLNA, altitude 649km, cycle 25j)
- 2x 6 months for Cal/Val period + 4 years operations..

