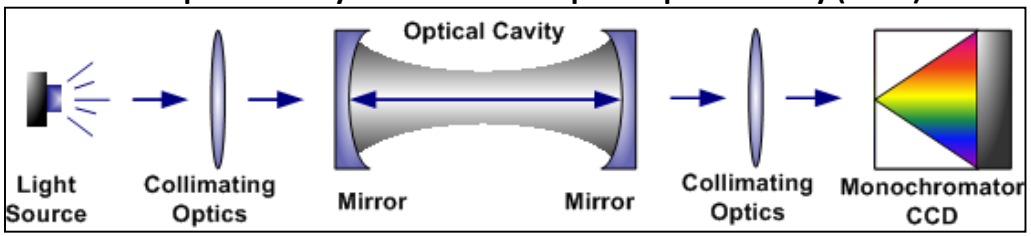
CAESAR = K-ACES* = K-CEAS**

*: Korean - Airborne Cavity Enhanced Spectrometer
**: Korean - Cavity Enhanced Absorption Spectrometer

(CAvity Enhanced Spectrometer for Atmospheric Researches)

PI: Kyung-Eun Min kemin@gist.ac.kr

Principle of Cavity Enhanced Absorption Spectrometry (CEAS)



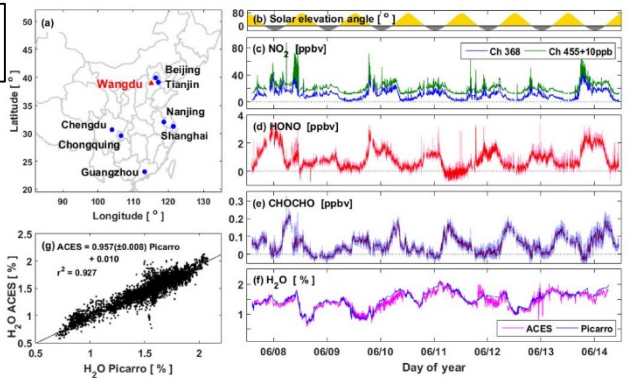
Working principle - CEAS technique (advantages of CRDS and DOAS)
Current version of CAESAR: 4 channels using LEDs and LDLS as light sources
For KORUS-AQ, measurements from LED channels will be focused,
➔ mainly NO_2, HONO and CHOCHO

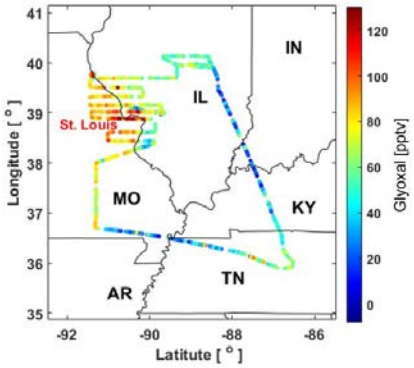
Measurements examples

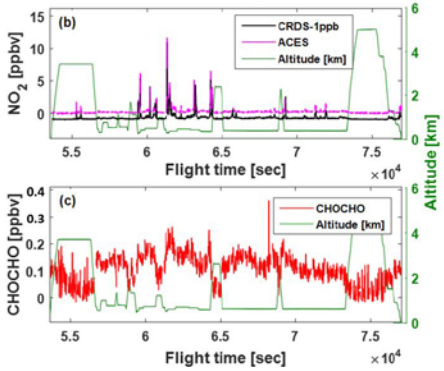
CAESAR is a duplication of ACES in NOAA. Figures right and below are the example measurements from ACES.

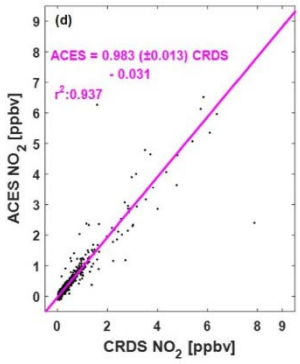
ground measurements during CARE-Beijing2014 ➔

airborne measurements during SENEX2013 ➔









CAESAR photo