

Objectives

1. **Better understand spatial-temporal variations in trace gases, aerosols, clouds, and radiations around Chiba**
 - trace gases: 4AZ-MAXDOAS
 - aerosols: POMs, CIMEL, MAX-DOAS, lidar, PM2.5 inst., etc.
 - clouds: MWR, whole-sky camera
 - radiations: pyranometers, etc.
 - ⊗ CIMEL to be replaced with new one.
 - ⊗ to be combined with satellite data (H8, OMI, GOME-2, MODIS, etc.)
 - ⊗ expected for better interpretation of trend analysis

2. **Evaluation of pyranometer measurement**
 - test the RasPi-pyranometer system
 - intercomparison of 3 pyranometers

3. **Evaluation of sky radiometer (POM) measurement**
 - characterization of SVA

4. **Others**