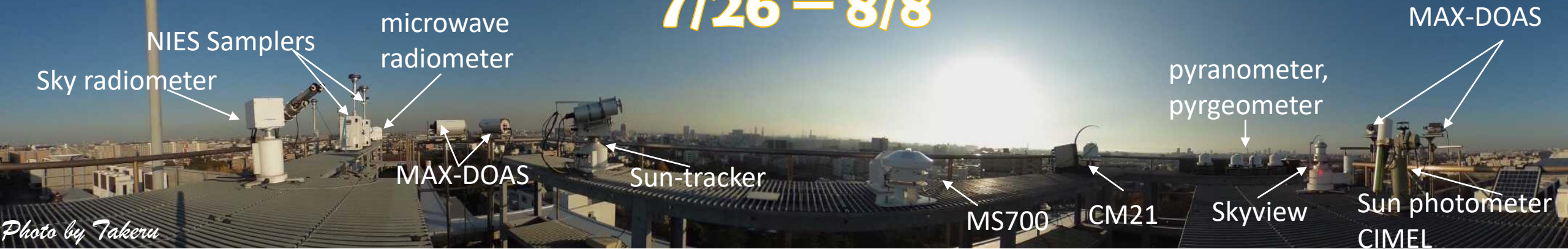


CHIBA CAMPAIGN 2021

7/26 – 8/8



Daily Report (2021/07/31)

► AEROSOL analysis

AOD from Sky radiometer & MAX-DOAS

by Irie Lab. M1 Takeru Ohno

MAX-DOAS
Measurement Directions

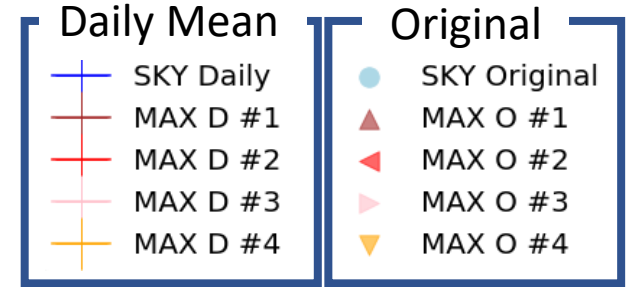
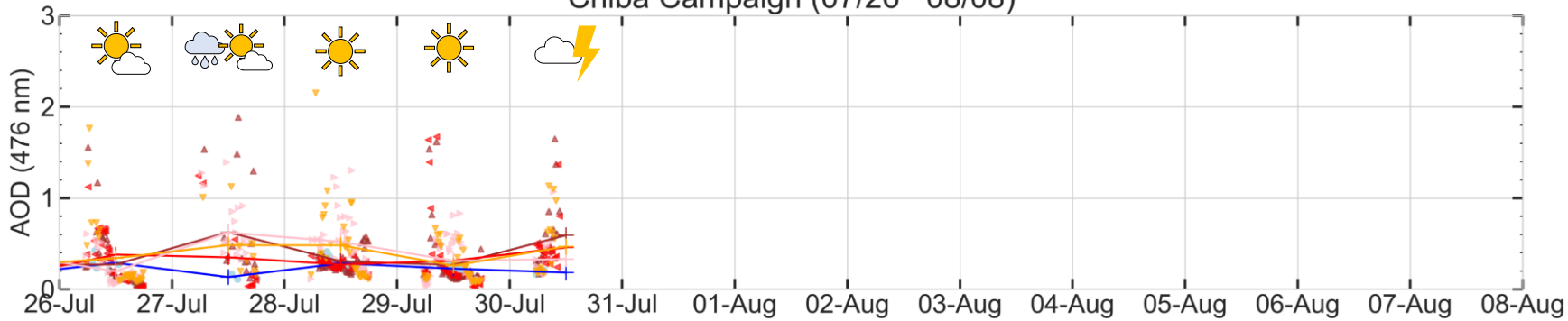


Irie et al., 2017

AOD from Sky radiometer(476 nm) & MAX-DOAS(476 nm)

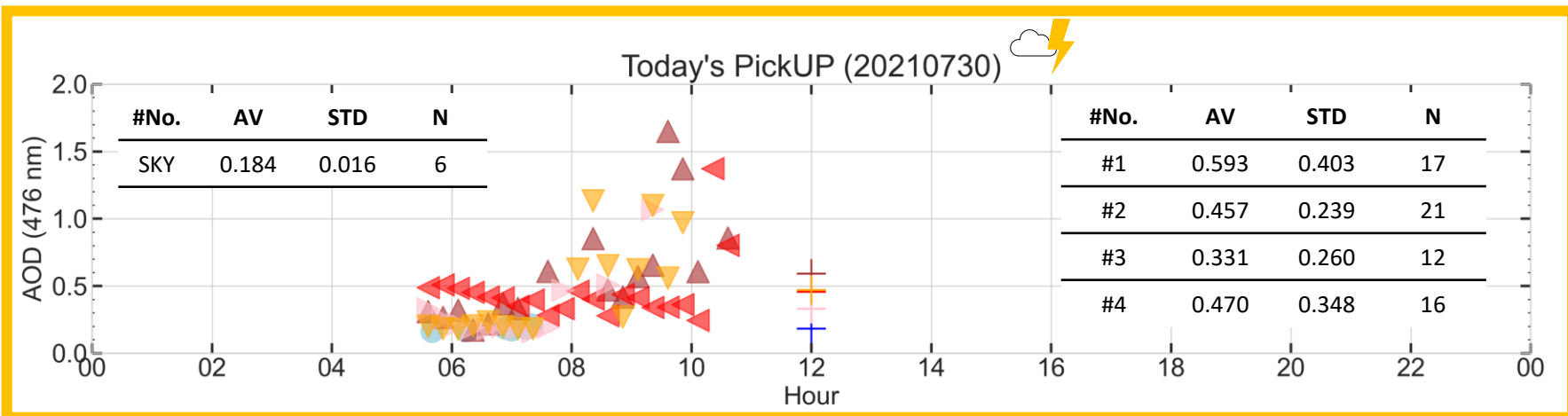
AOD(476 nm) from Sky radiometer and MAX-DOAS

Chiba Campaign (07/26–08/08)



Sky Cloud Flag≠0

Today's AOD



(Fig. Irie et al., 2017)

⊗ Wavelength interpolation of Sky radiometer AOD from 500 nm to 476 nm $\Rightarrow \tau_{476} = \tau_{500} \left(\frac{476}{500} \right)^{-AE}$