



4-P01

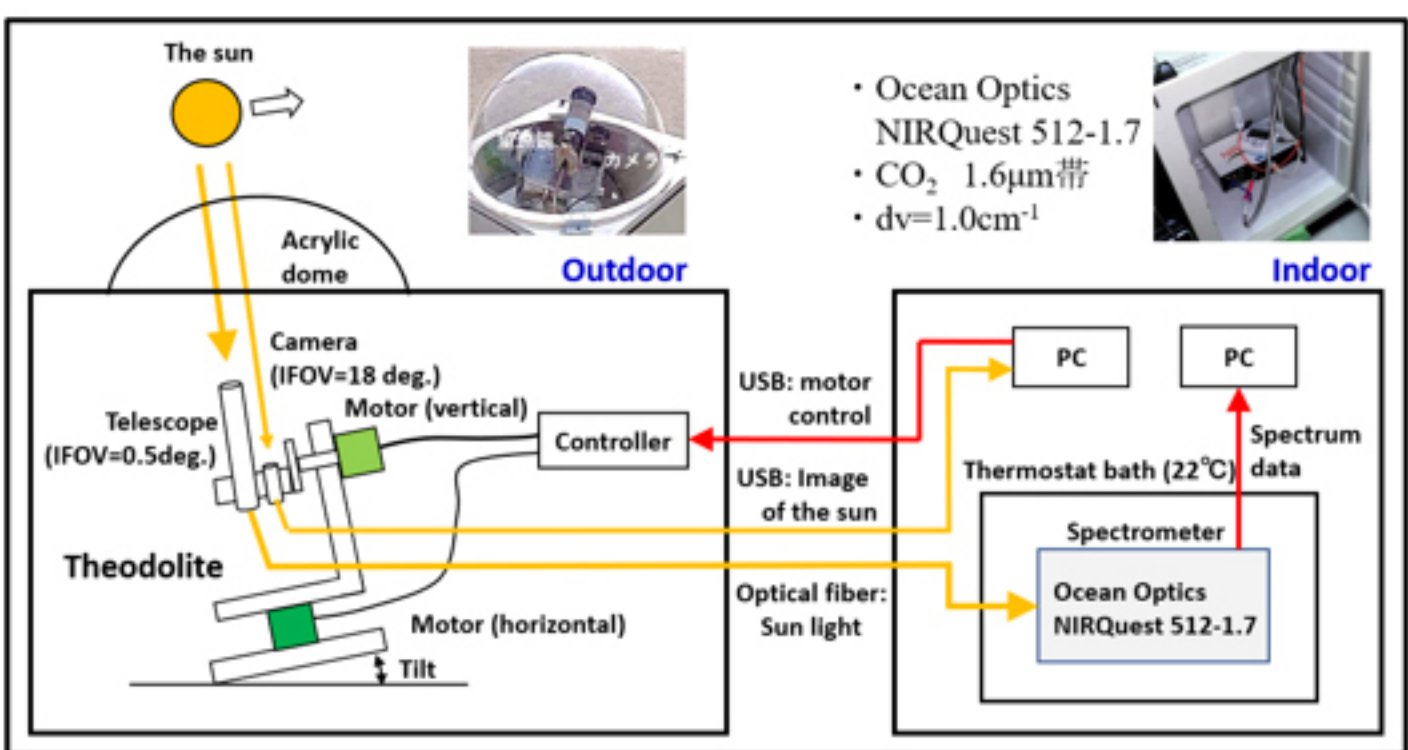
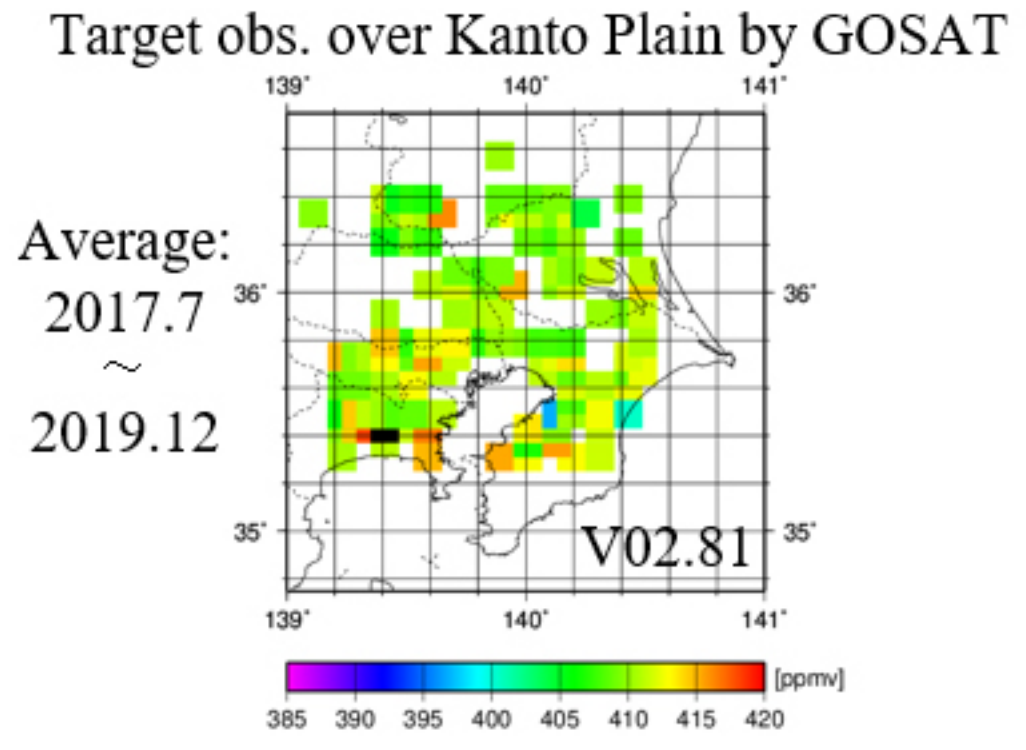
# XCO<sub>2</sub> observation network for verification of Kanto intensive observations and sun-glint observations by GOSAT and GOSAT-2

Ryoichi Imasu (AORI/UTokyo), Isamu Morino, Hitoshi Mukai (NIES), Yutaka Matsumi (Nagoya U)

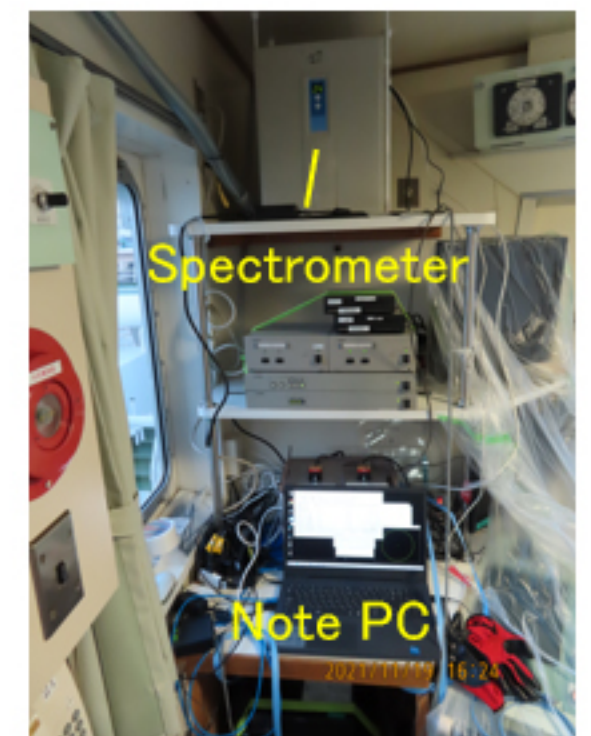
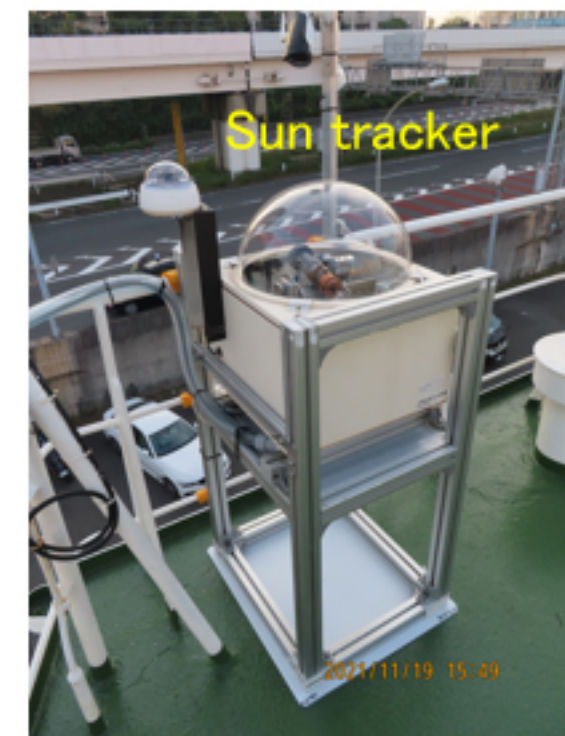
I will be at my poster  
10:00-10:30 (JST)  
[18:00-18:30 (PDT)]



## Compact Array Spectrometer Targeting Local Emissions of CO<sub>2</sub> (CASTLE-CO<sub>2</sub>)



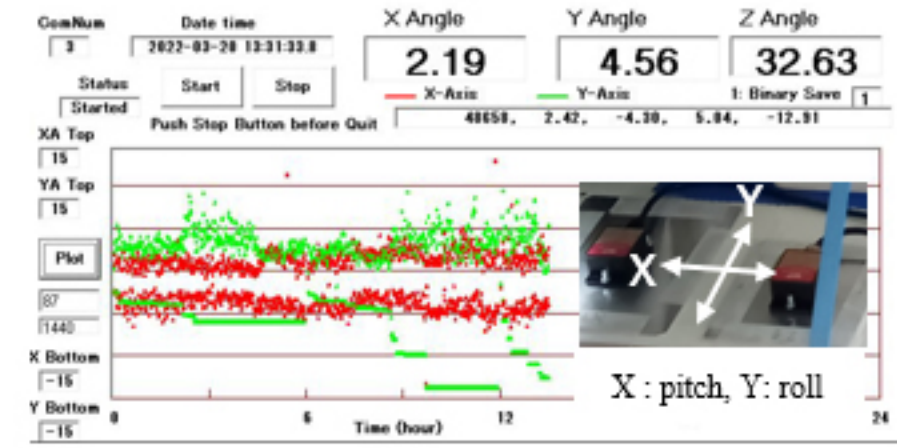
## CASTLE-CO<sub>2</sub> on meteorological observation ships



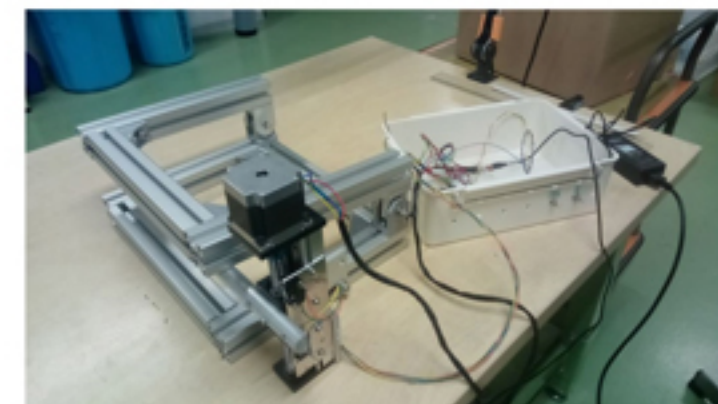
## Observation sites in the Kanto Plain



## Monitoring of ship sway

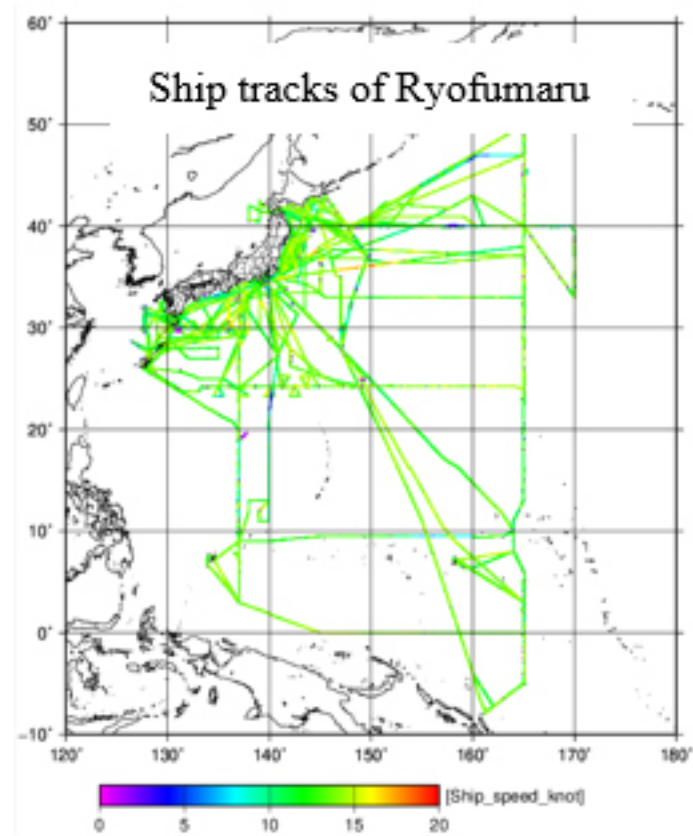


## Sway simulator and tracking test

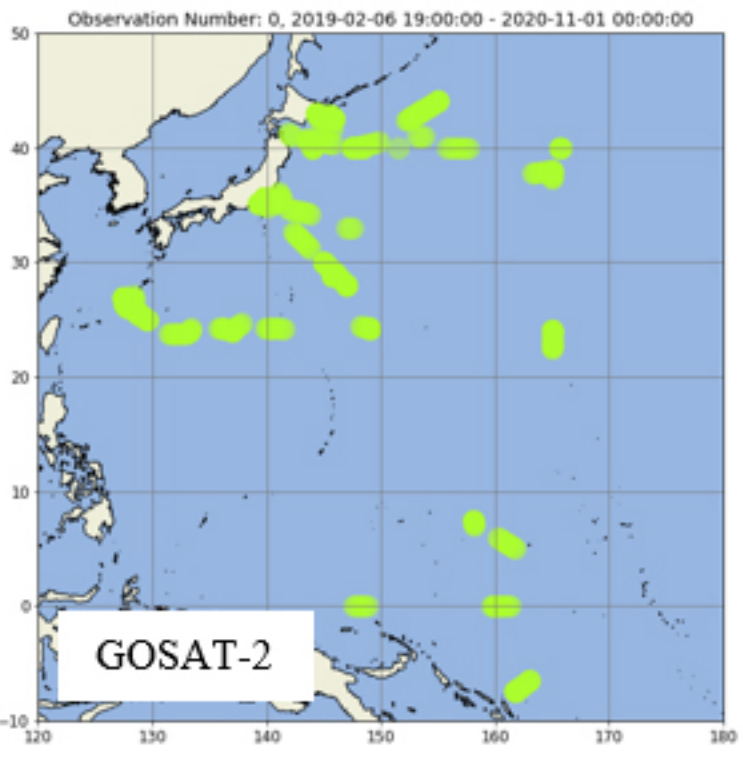
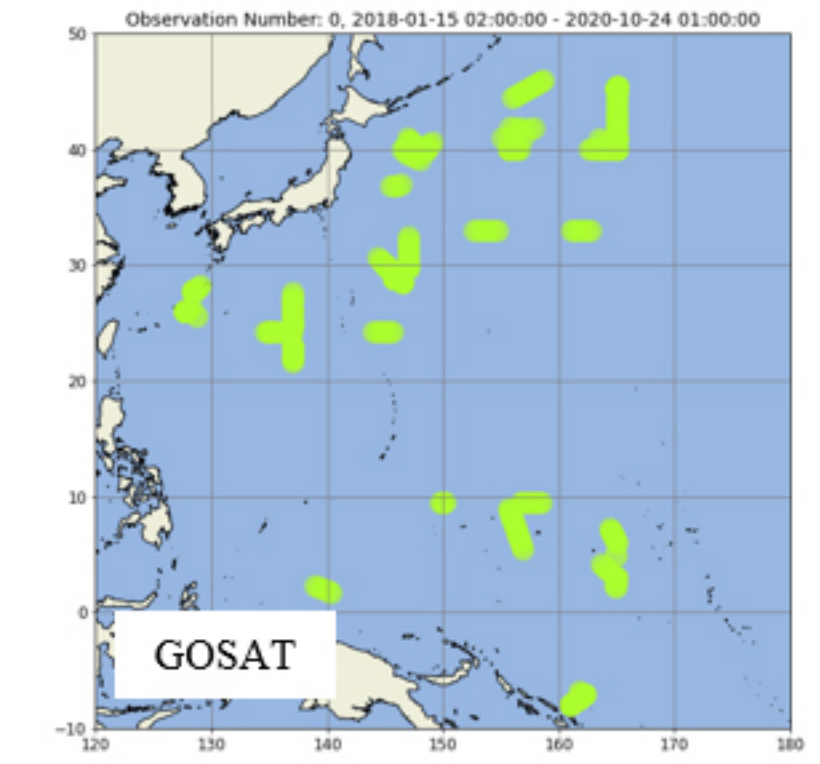


## Match up between GOSAT/GOSAT-2 and Ryofumaru

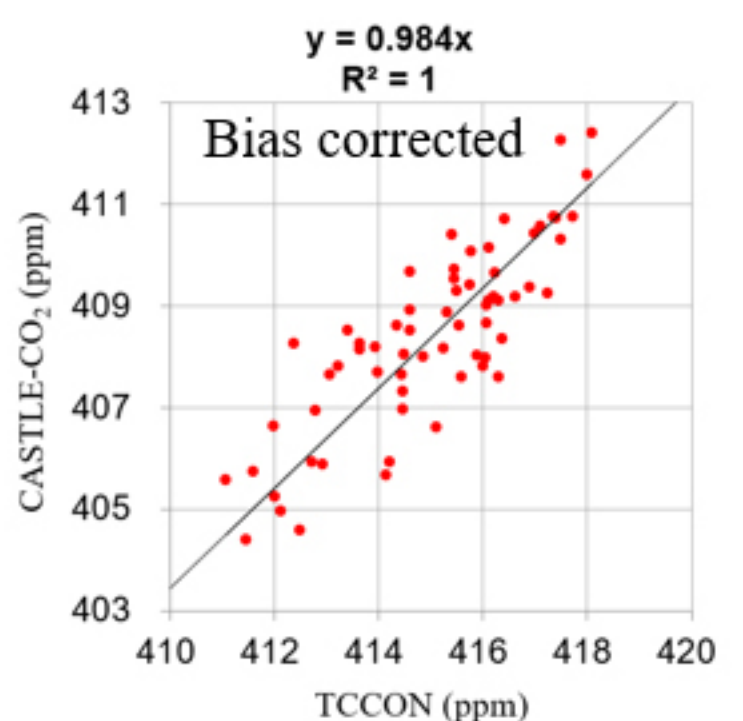
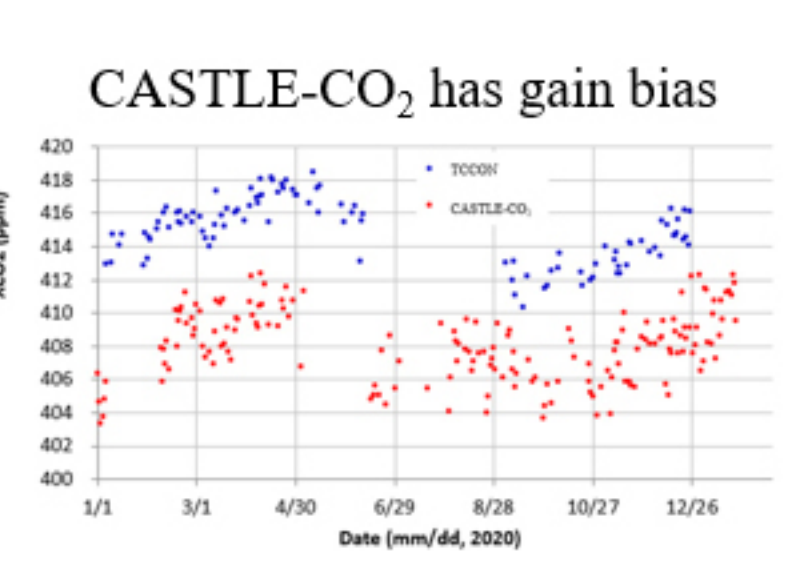
Condition : ± 12 hours, 100 km; Data : 2018.1.15 - 2020.10.24 (G) 2019.2.6 - 2020.11.1 (G2)



Ever month once or twice matched for both GOST and GOSAT-2 !!



## Comparison with TCCON



## New site, "Amami-oshima"

