

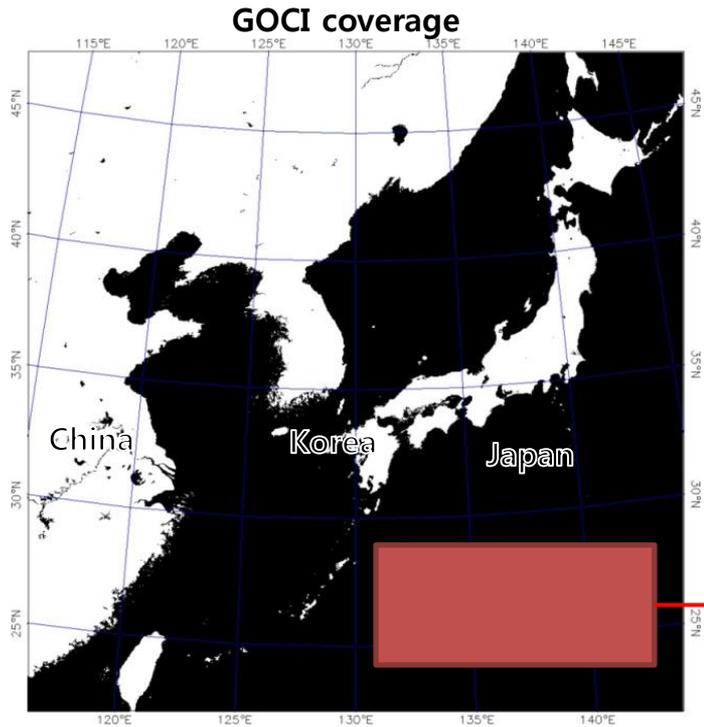


Regional Issues for a Vicarious Calibration Application

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Site Selection for 745nm Centered Band Calibration



Region of vicarious calibration by KOSC (2013)

24.8000~29.0000° N
132.000~142.000° E

- NIR Vicarious calibration site
 - Maritime relative humidity 99% (M99) aerosol
 - Avoid continental aerosol

- Issues for NIR band (745nm) calibration region
 - Still can be influenced by continental aerosol
 - Accessibility
- Issues for VIS band (412~745nm) calibration region
 - Data quality issue
 - Spatial / temporal variability
 - In-situ radiometric measurements for vicarious calibration
 - Above water measurement
 - Inter-sensor calibration issue
 - Difference between MERIS / MODIS / GOCI / in-situ water reflectance spectra
 - Discrepancies between MERIS / MODIS / GOCI / in-situ water reflectance spectra
 - Data quality issue
 - Steady and lasting in-situ radiometric monitoring site is needed (such as MOBY site)
 - Plan to deploy a buoy in the East Sea



Further questions

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