

Existing in situ TSS measurements from Martin et al. (2018) and spectral reflectance data from Cherukuru et al. (2021)

Development of regional TSS remote sensing model

Validation of TSS remote sensing model performance via statistical analysis

Application of TSS remote sensing model on Open Data Cube (ODC) platform

Retrieval of atmospheric-corrected MODIS Aqua Level 2 product in ODC platform

Retrieval of Global Precipitation Measurement (GPM) datasets

Computation of river discharge using GPM datasets

Map and plot daily MODIS Aqua satellite datasets from 2003 till 2019 on

- Spatial variation in TSS
- Temporal variation in TSS
- Relationship between TSS and river discharge
- TSS variability across coastal waters