### **Copernicus FICE 2025**

**Training on** 

In situ Ocean Colour Above-Water Radiometry towards Satellite Validation

## The Bay-sketballers



















### **Copernicus FICE 2025**

**Training on** 

In situ Ocean Colour Above-Water Radiometry towards Satellite Validation

## A.k.a. the Ciccheti syndicate

























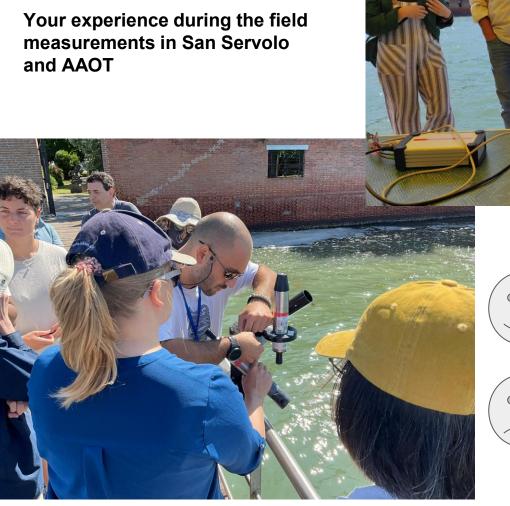




### **PART I**

Field experience







It was easy because the teaching team did everything and all was well prepared



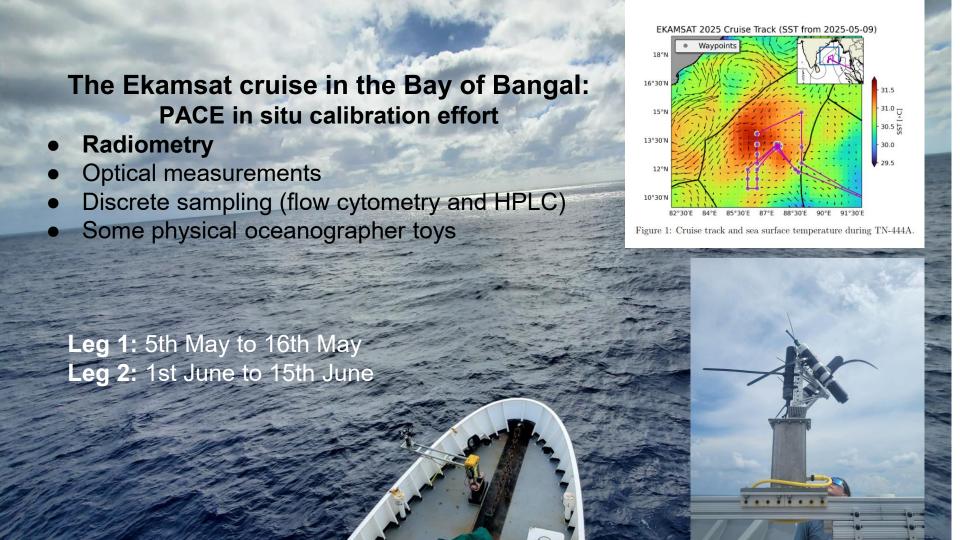
Experts might not be around when doing field measurements

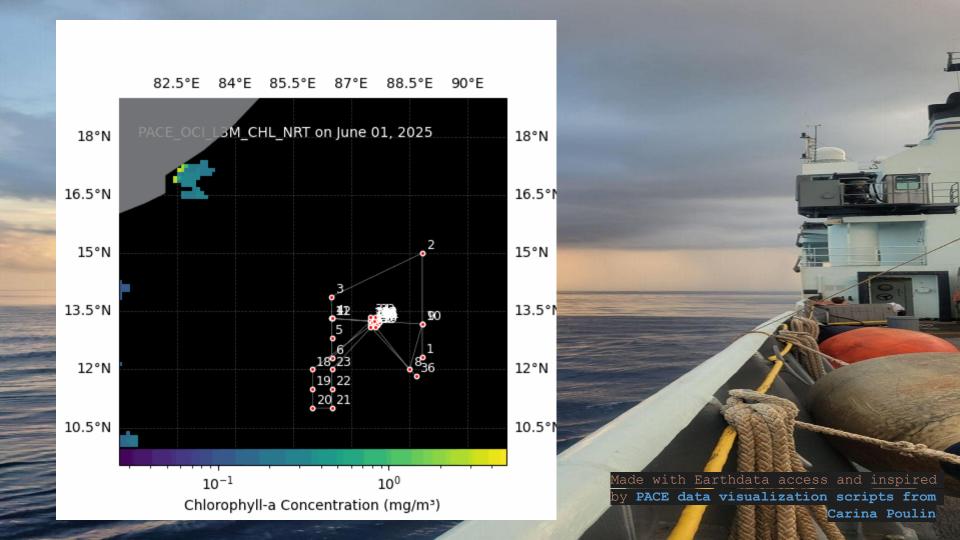


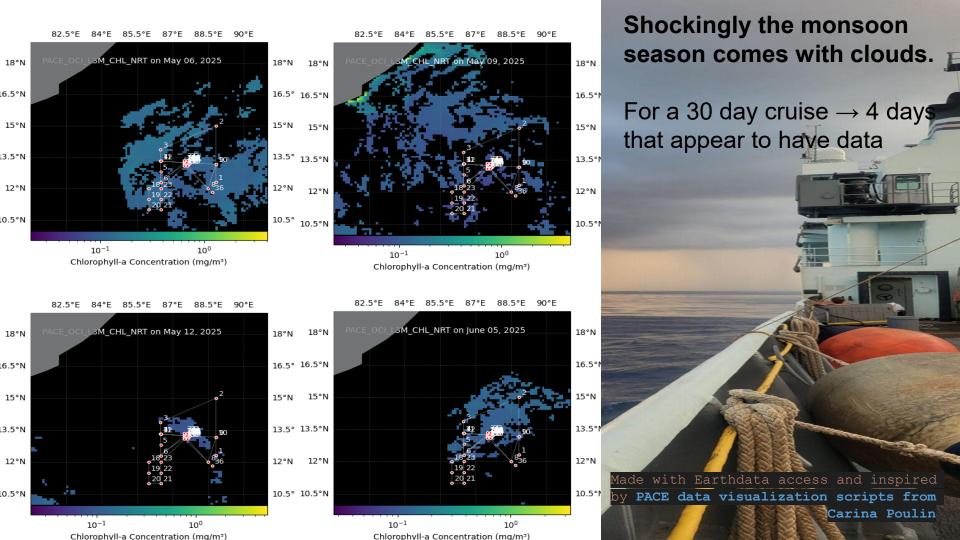


### **PART II**

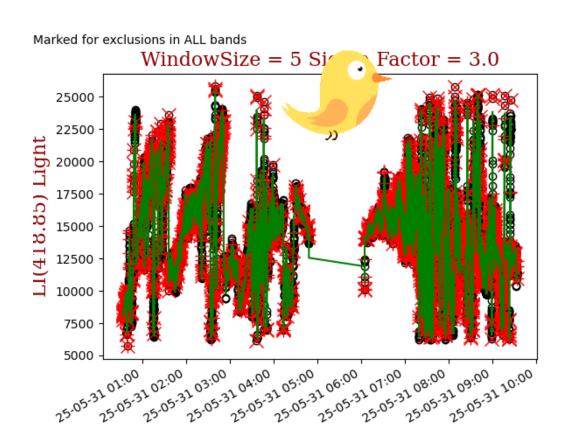




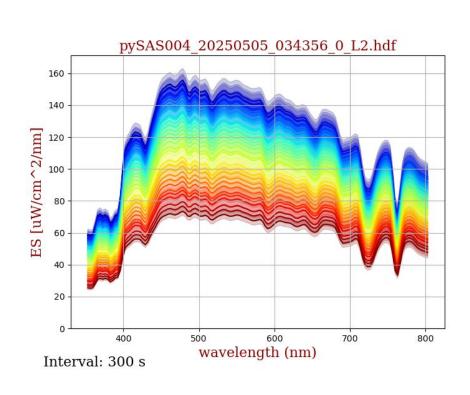


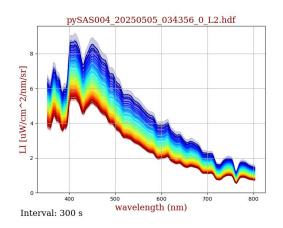


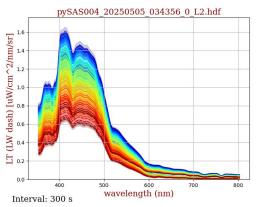
### Most days: High cloud variability (Or birds?)



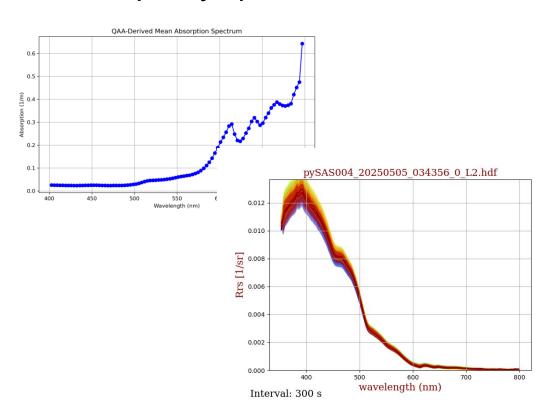
### 24 hours measurement files: Cannot use spectral outliers







### Very blue Type 1 waters. Good quality spectra



QWIP score: < 0.1

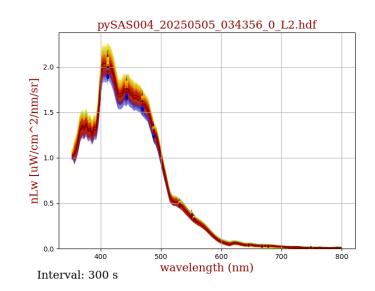
**AVW: 457nm** 

Wei: 1

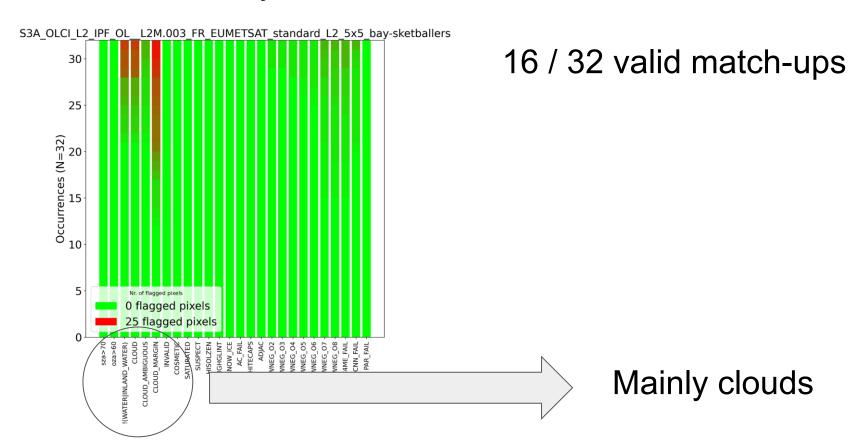
Used Mobley Glint Correction,

O25 BRDF

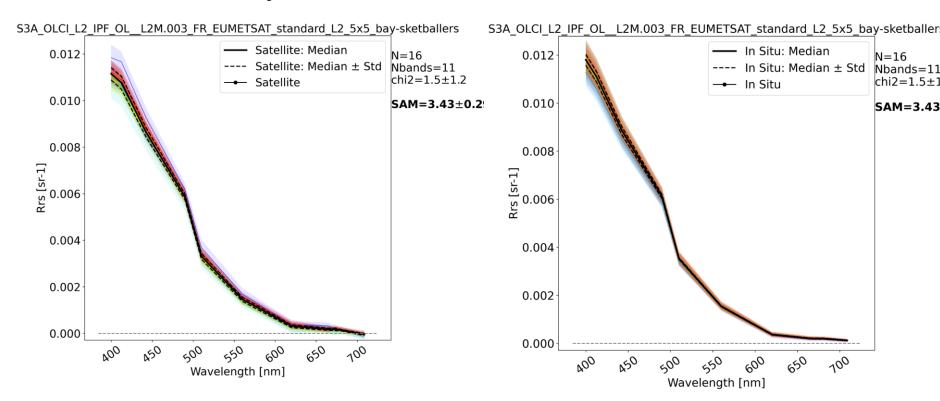
→ Little difference when changing those



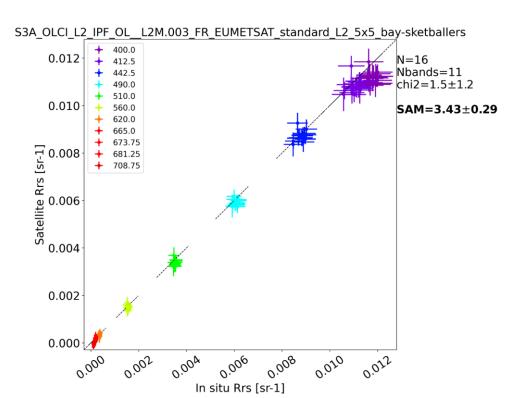
### Thomas - 05 May 2025 - Sentinel 3A



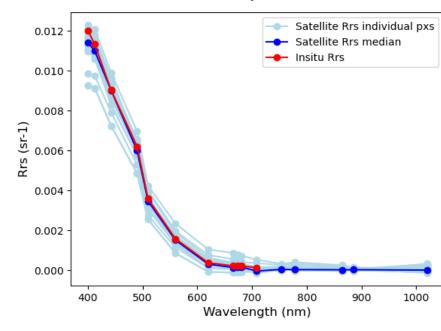
### Thomas - 05 May 2025 - Sentinel 3A



### Thomas - 05 May 2025 - Sentinel 3A



#### Closest match-up in time



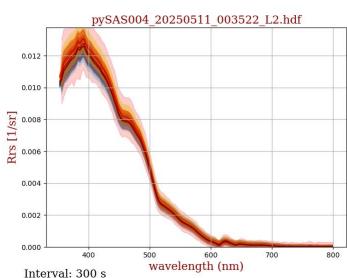
Satellite time: 2025-05-05 03:54:47 In situ time: 2025-05-05 03:43:56



Is there any specific procedure that you follow that you consider to be specific to your measurement conditions (site/instrumentation/other) and that should be accounted for in the current documentation?

### Maybe label clearly which radiometer is meant for Lt and Li







### Take away messages to achieve FRM quality

- Preparation is key
- Better to be overkill with ancillary data in the field than the opposite
- Making the ancillary file takes longer
- Training the community <3 <3 <3

- You can always get results from feeding garbage data.
  - BUT you will get garbage result





# Grazie