



# ships4sst

shipborne radiometers for sea surface temperature

## Task Team Shipborne Radiometry

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# Objective

- The Shipborne Radiometer Task Team was discussed at GHRSSST XVIII:
  - To set up network (framework is in place)
  - Format, DOI's (one per dataset)
  
- Progress so far
  - Network is setup
    - Members : DMI, RAL, UoS, RSMAS, CSIRO/BoM, ?
    - Web presence: [www.ships4sst.org](http://www.ships4sst.org)
    - Archive
  - Data format: L2R
    - Do we need updates to fields, what is important/necessary?
  - Coordination of activities
    - Protocols and procedures – on webpage
      - ◆ Updates to deployment protocols
      - ◆ Updates to deployment manuals
    - Inter-comparison

# Archive

- FTP server at IFREMER
  - [via login on ships4sst](#)
  - Data structure
    - [instrument](#) -> data provider -> software version -> year
  - Management by Ifremer
    - First iteration of issue log:
      - ♦ manual, but record of issues:
      - ♦ In slides
      - ♦ FAQ on web page (soon)
    - User statistics have been requested.

# Inter-comparison

- Planning started for the next inter-comparison
  - ESA funding for 2021
  - SST only inter-comparison
  - Laboratory based work at NPL
  - Field location:
    - Lake
    - Ship
    - Logistics/cost
  - Is 2021 and issue for participants ?
    - Getting funding
    - Organising freight and travel (COVID-19)

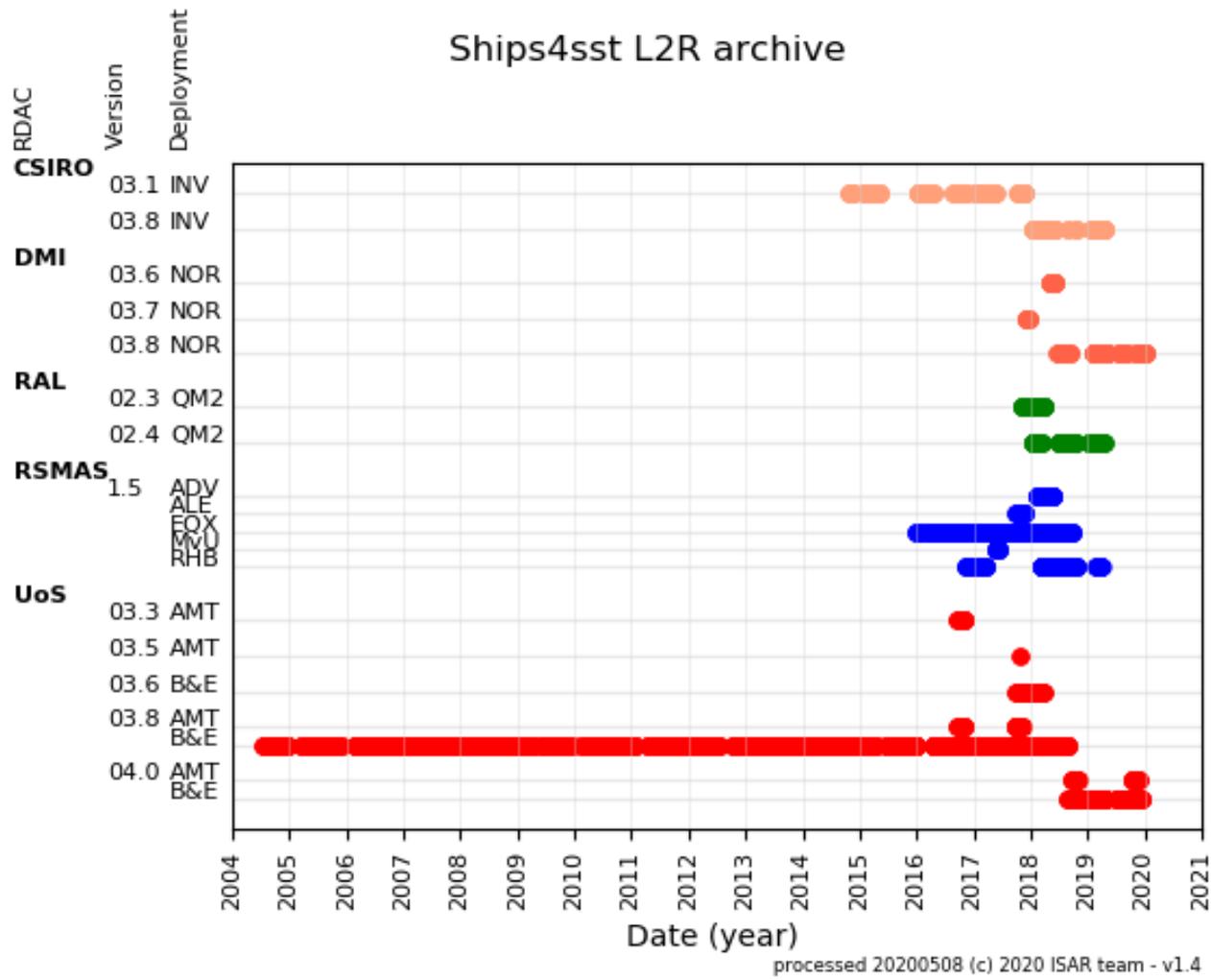
# Summary

- Good progress
  - Some issues to improve
  - More members always welcome
- Planning for future activities
  - Inter-comparison 2021

# Appendix

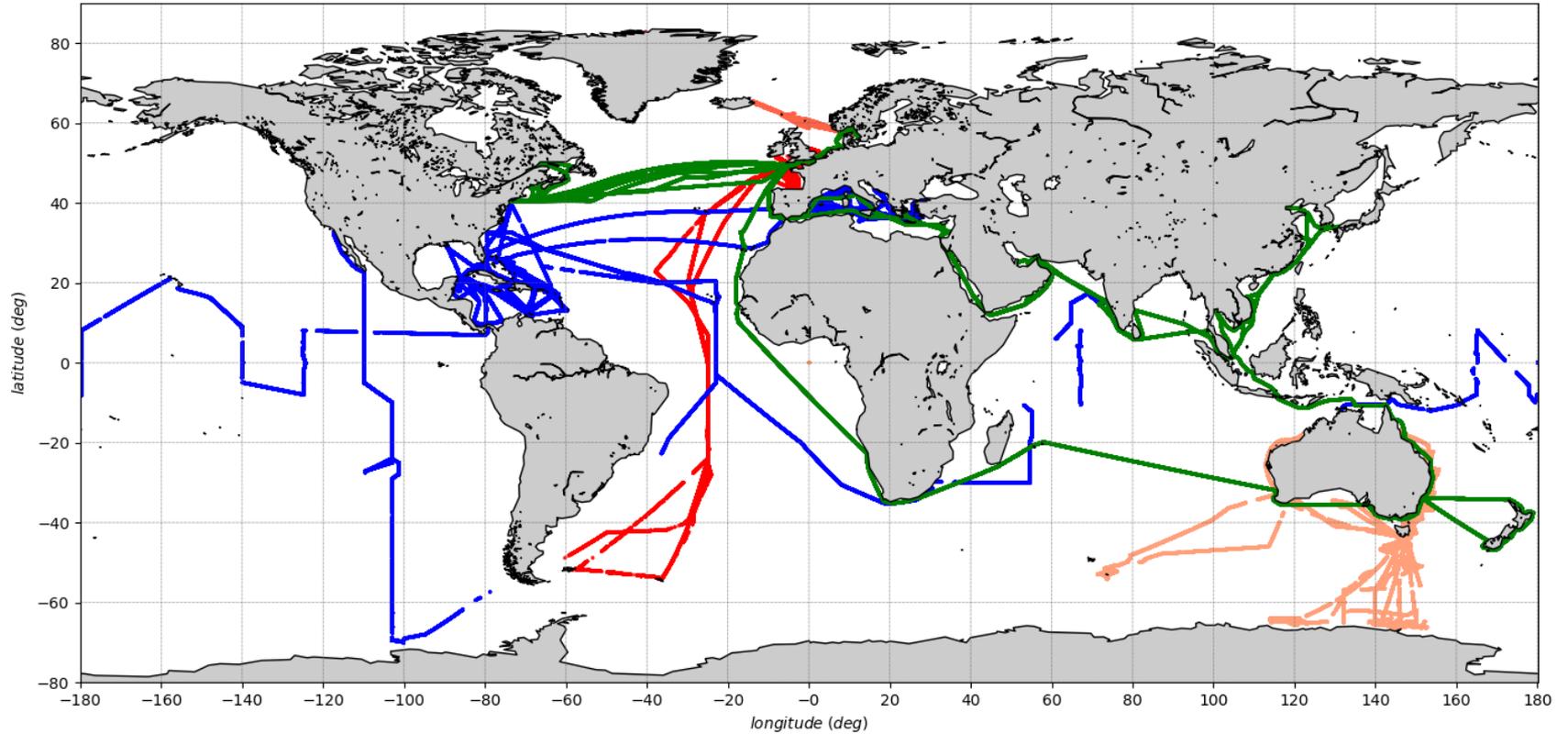
- Archive data plots
- Archive Issue log

# Archive – timeline



# Archive – map

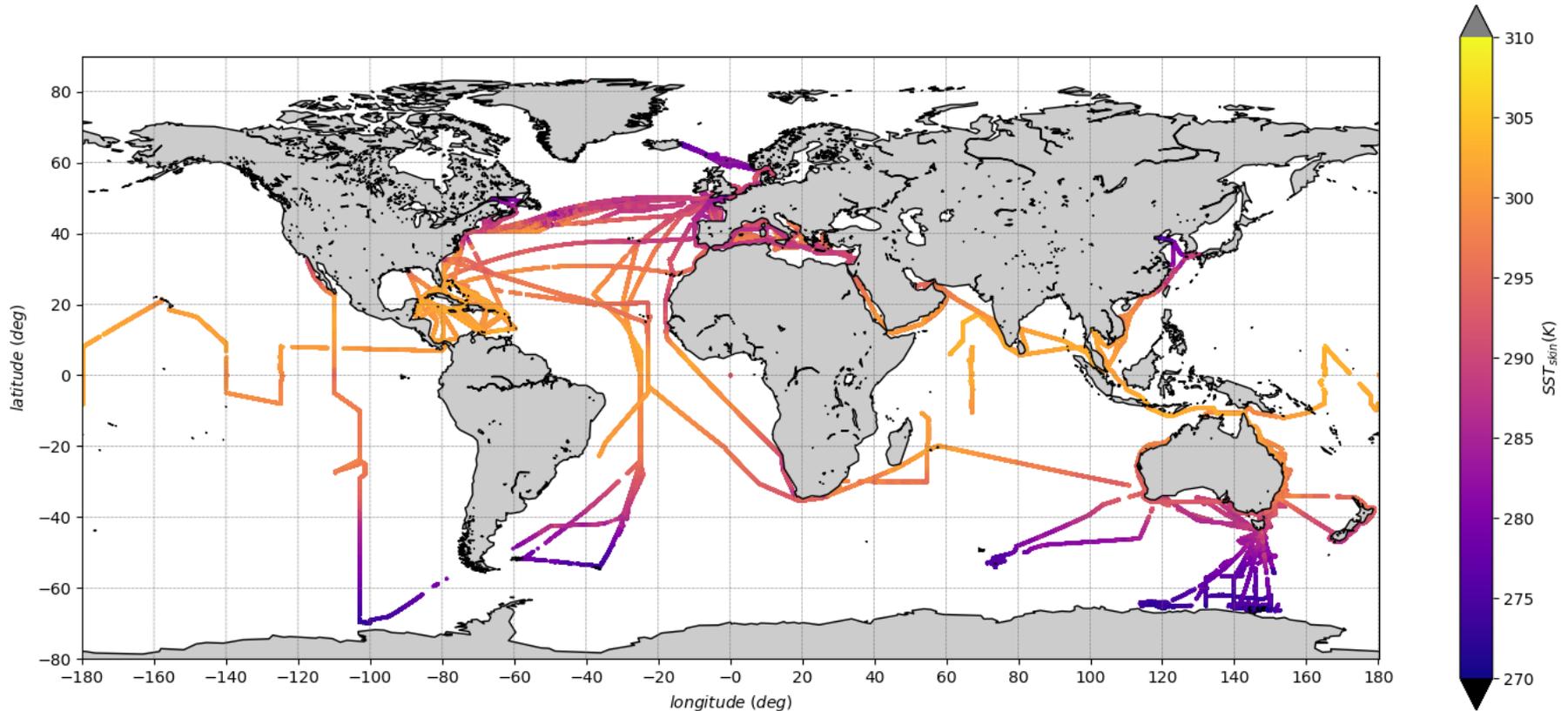
Ships4sst L2R archive



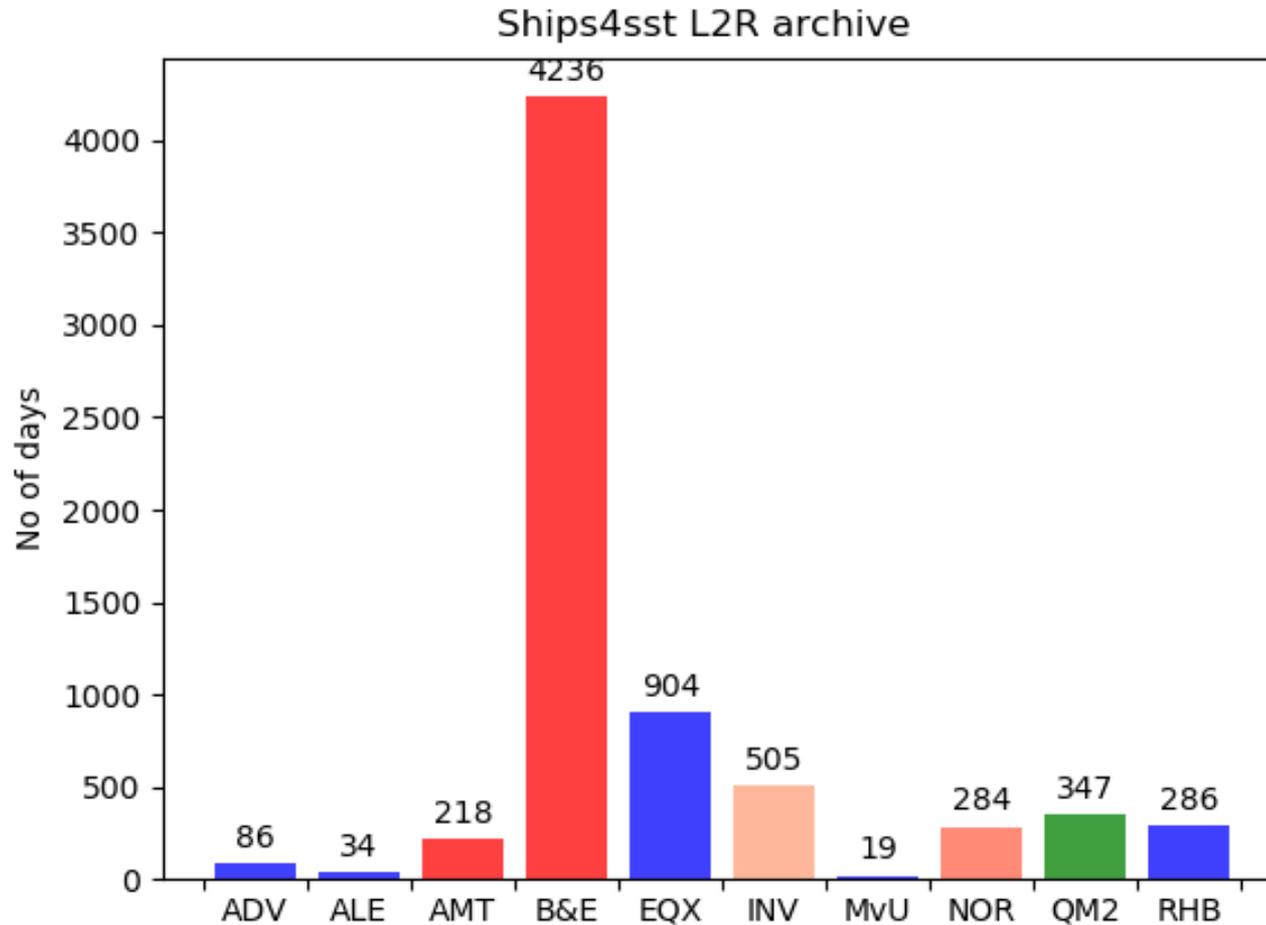
processed 20200508 (c) 2020 ISAR team - v1.4

# Archive - SST

Ships4sst L2R archive

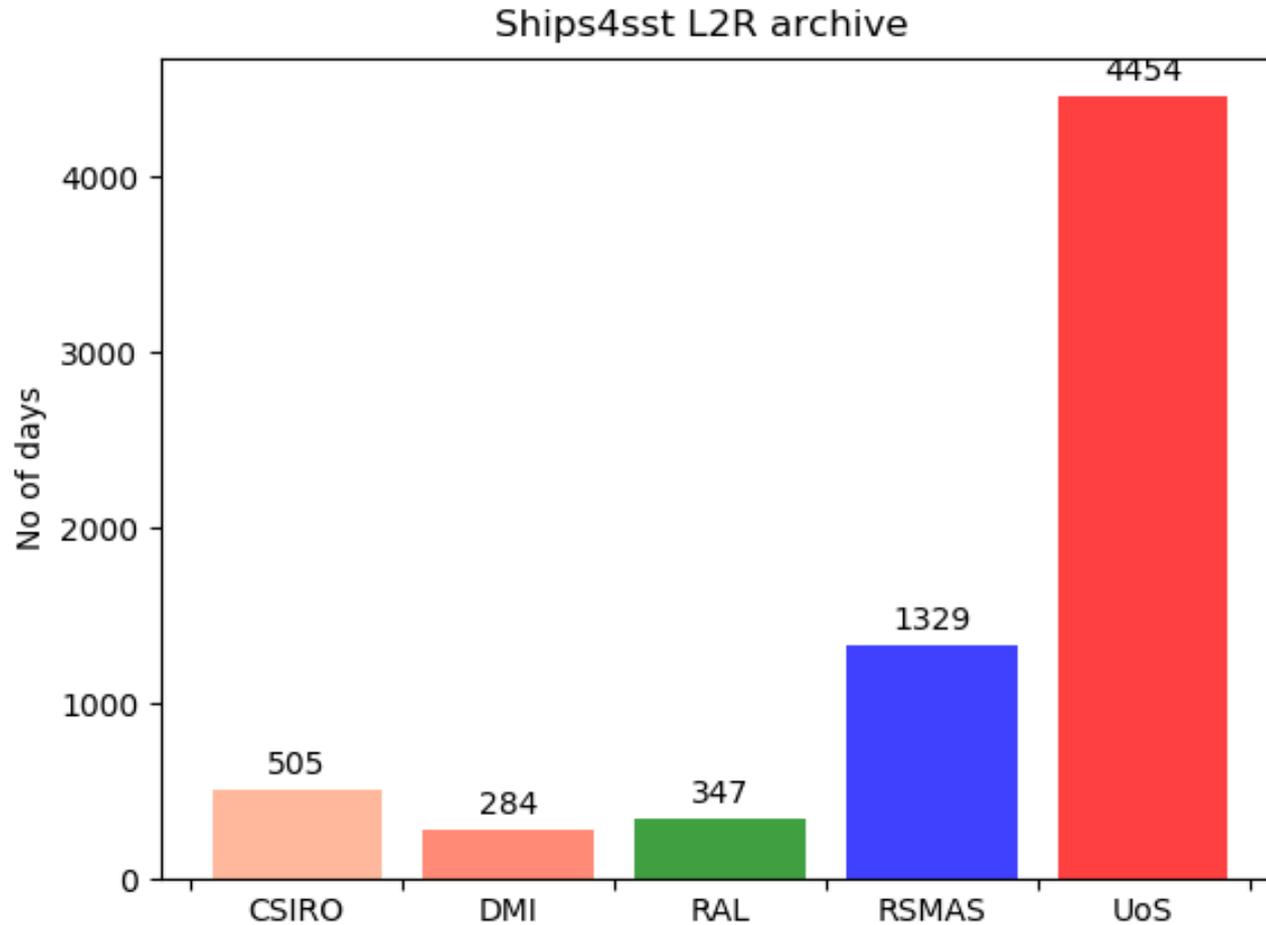


# Archive – days of data / route



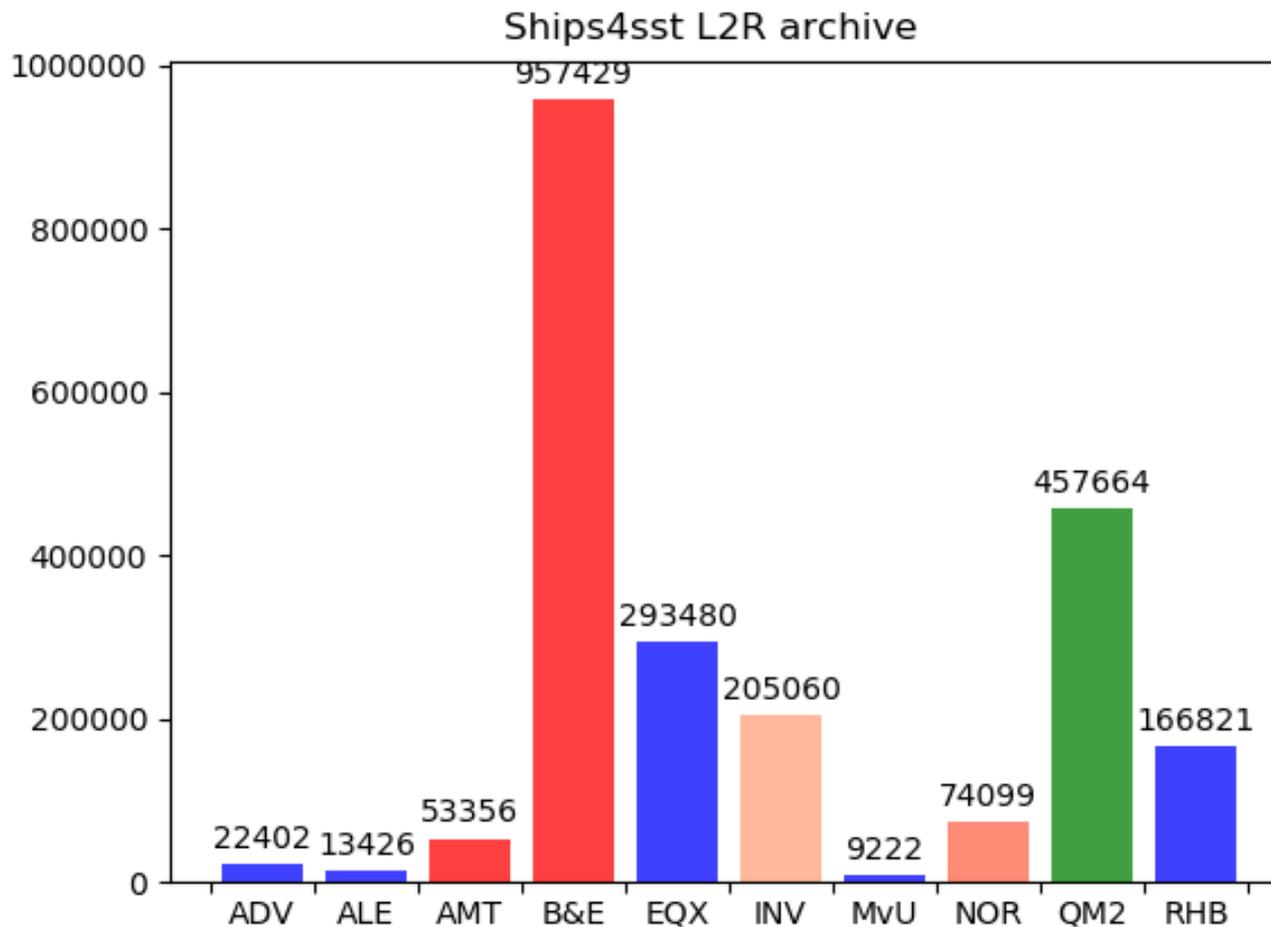
processed 20200508 (c) 2020 ISAR team - v1.4

# Archive – days of data / RDAC



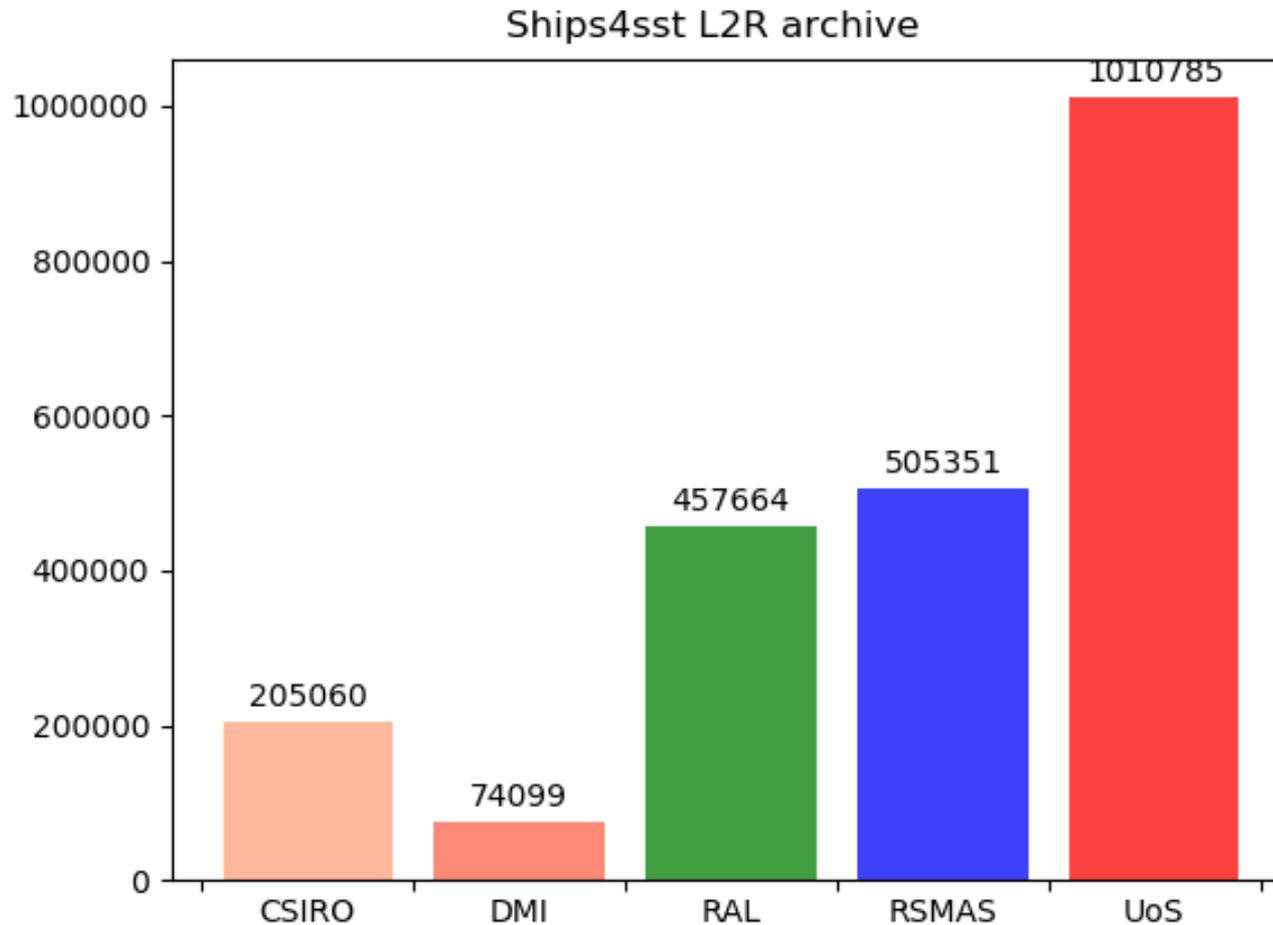
processed 20200508 (c) 2020 ISAR team - v1.4

# Archive – SST data points / route



processed 20200508 (c) 2020 ISAR team - v1.4

# Archive – SST data points / RDAC



processed 20200508 (c) 2020 ISAR team - v1.4

# Archive Issues

- File naming convention:
  - Date wrong
  - No Deployment information
  - Compressed data, also compression containers
  - Adding –partxx to file
  - **Emails to users to resolve and reissue data by user**
- Missing compulsory data fields
  - No total uncertainty
    - **Email to user to resolve and reissue data by user**
- New data no matching old data file number on replacement files provided.
  - **Emails to user to resolve**
- Folder Names generation if non alphanumeric characters in instrument name.
  - **Resolved code update**

# Archive Issues

- Removing bad quality data
  - Not automated, email to JF or WW
- Data duplication
  - Resubmission of previously data should be checked with JF first to avoid this, if it is the same file version!
  - New file version can be submitted as new submission
  - Need strategy to deal with duplication and old data, but need user to tell us what can be removed.