Status ARCHIVE

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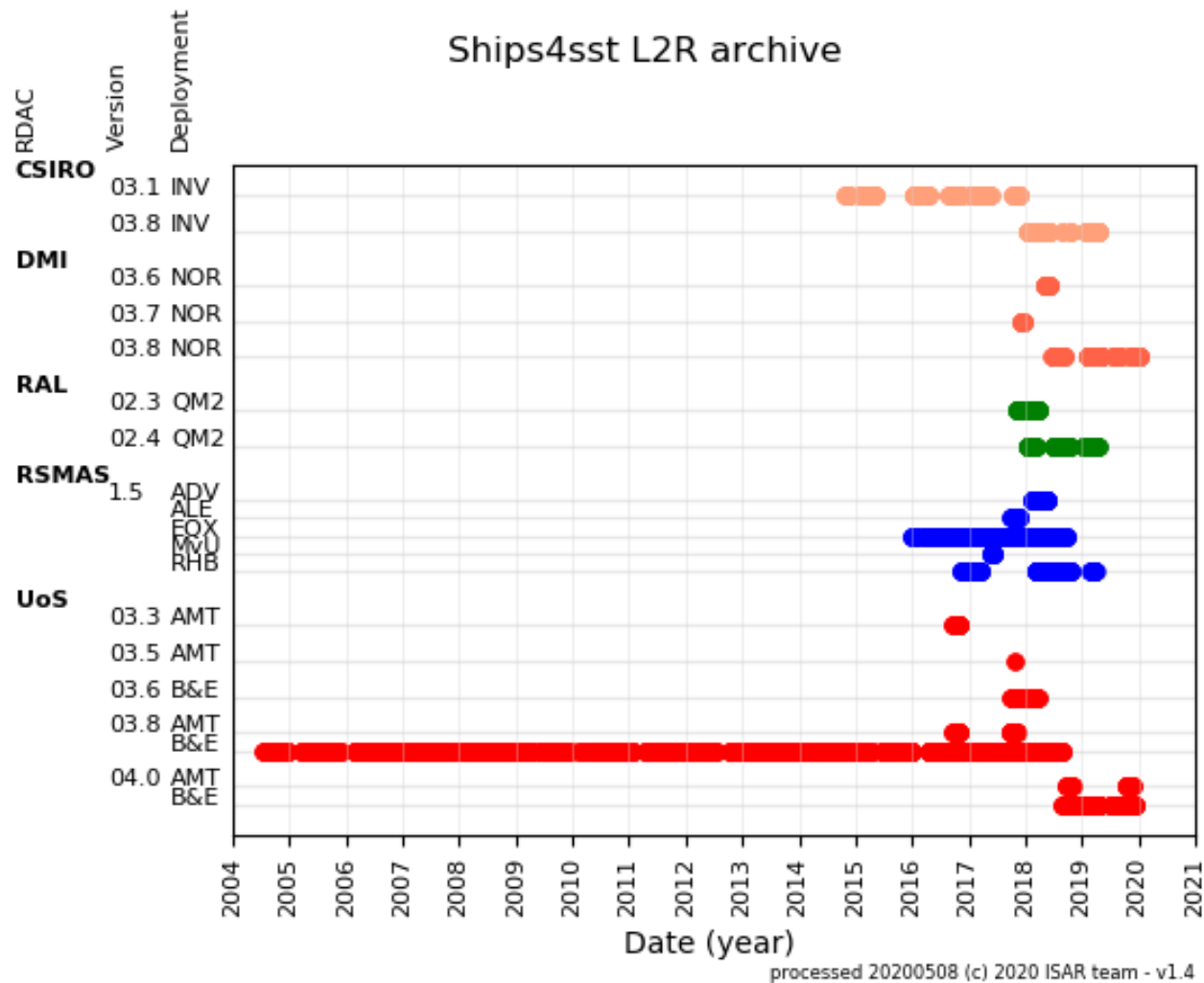# Archive

- 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:
    - User statistics have been requested.

Archive data
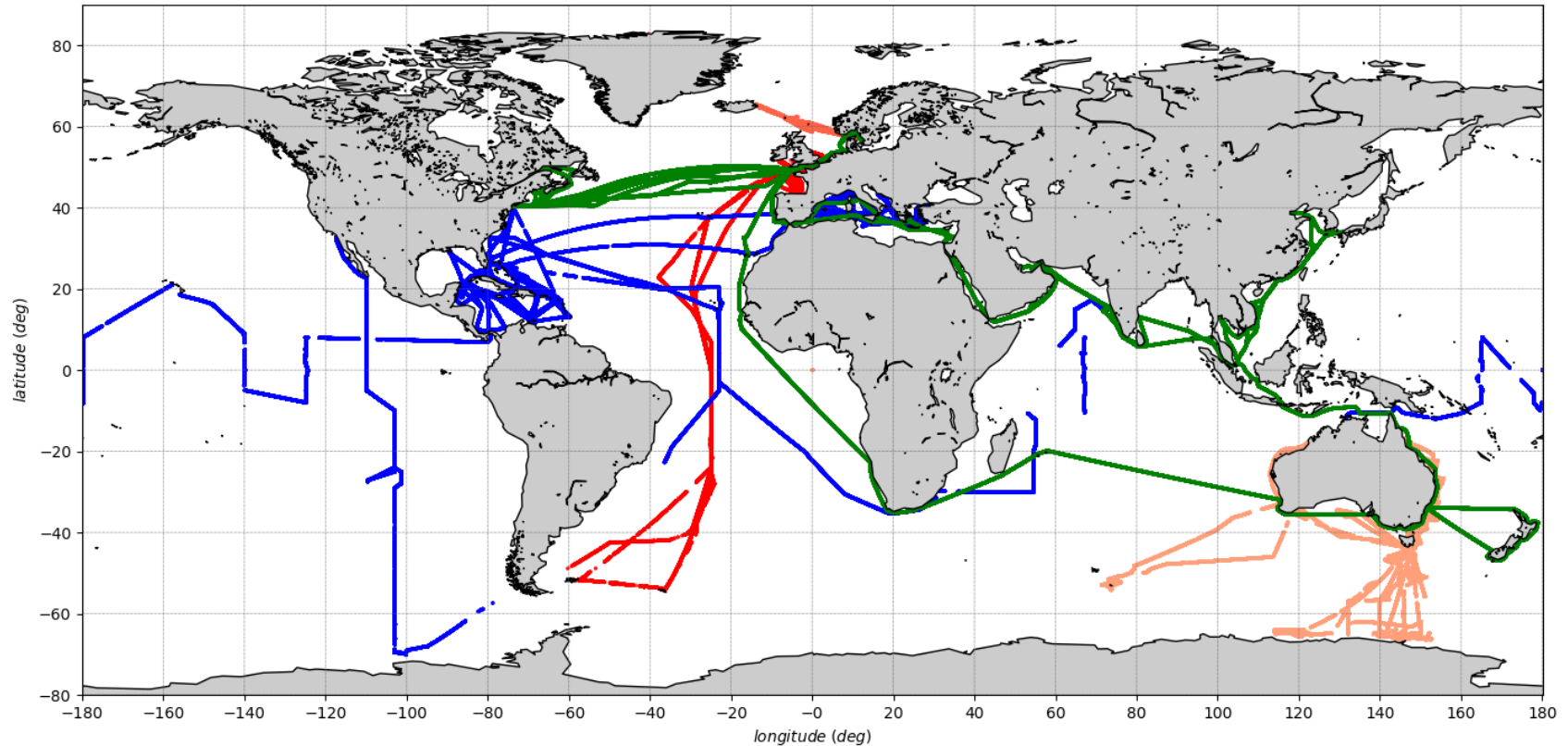
- Data:
  - ISAR
    - ◆ UoS: 07/2004 to 12/2019
    - ◆ DMI: 12/2017 – 12/2019
    - ◆ CSIRO: 10/2014 – 04/2019
  - SISTeR
    - ◆ RAL: 11/2017 to 04/2019
  - M-AERI
    - ◆ UoM: 01/2016 - 04/2019

Archive – timeline

Ships4sst L2R archive

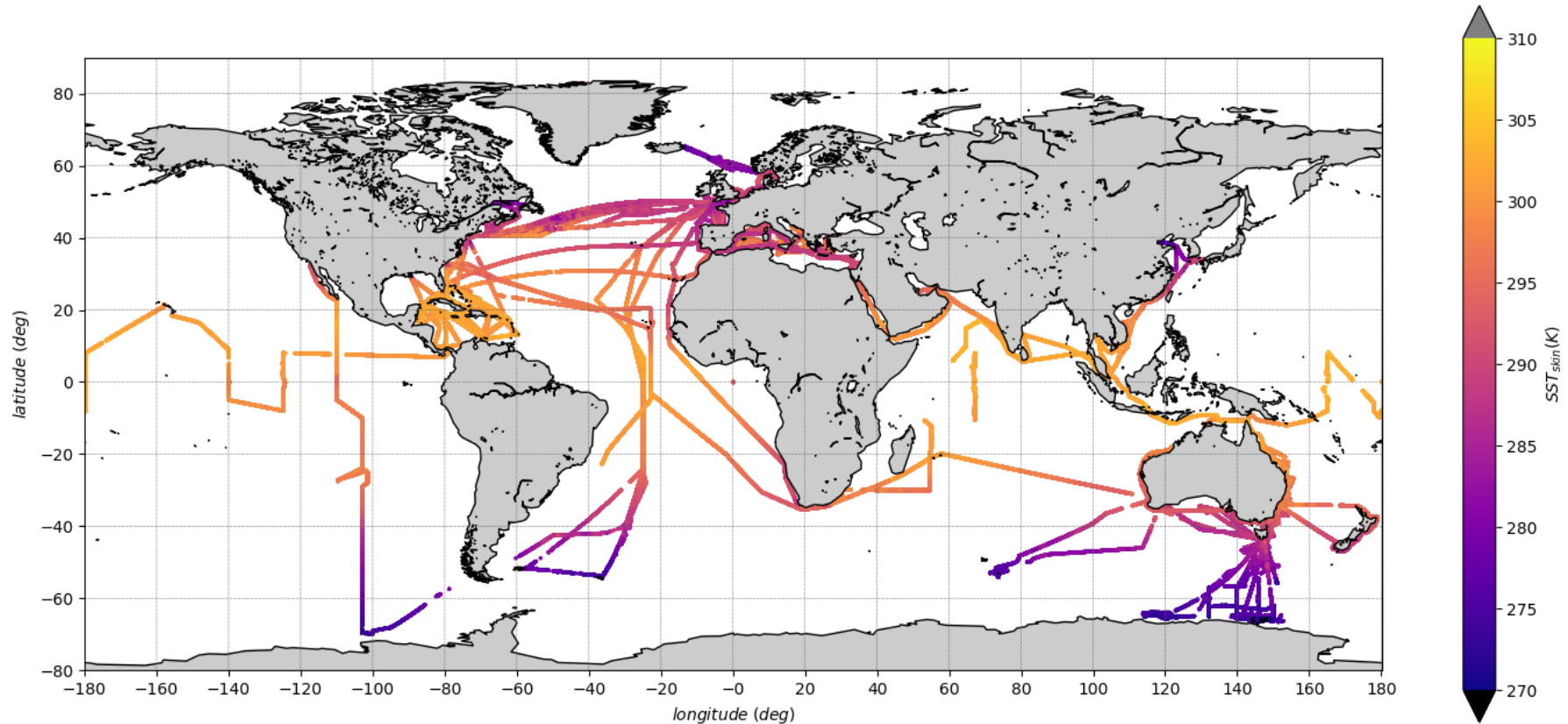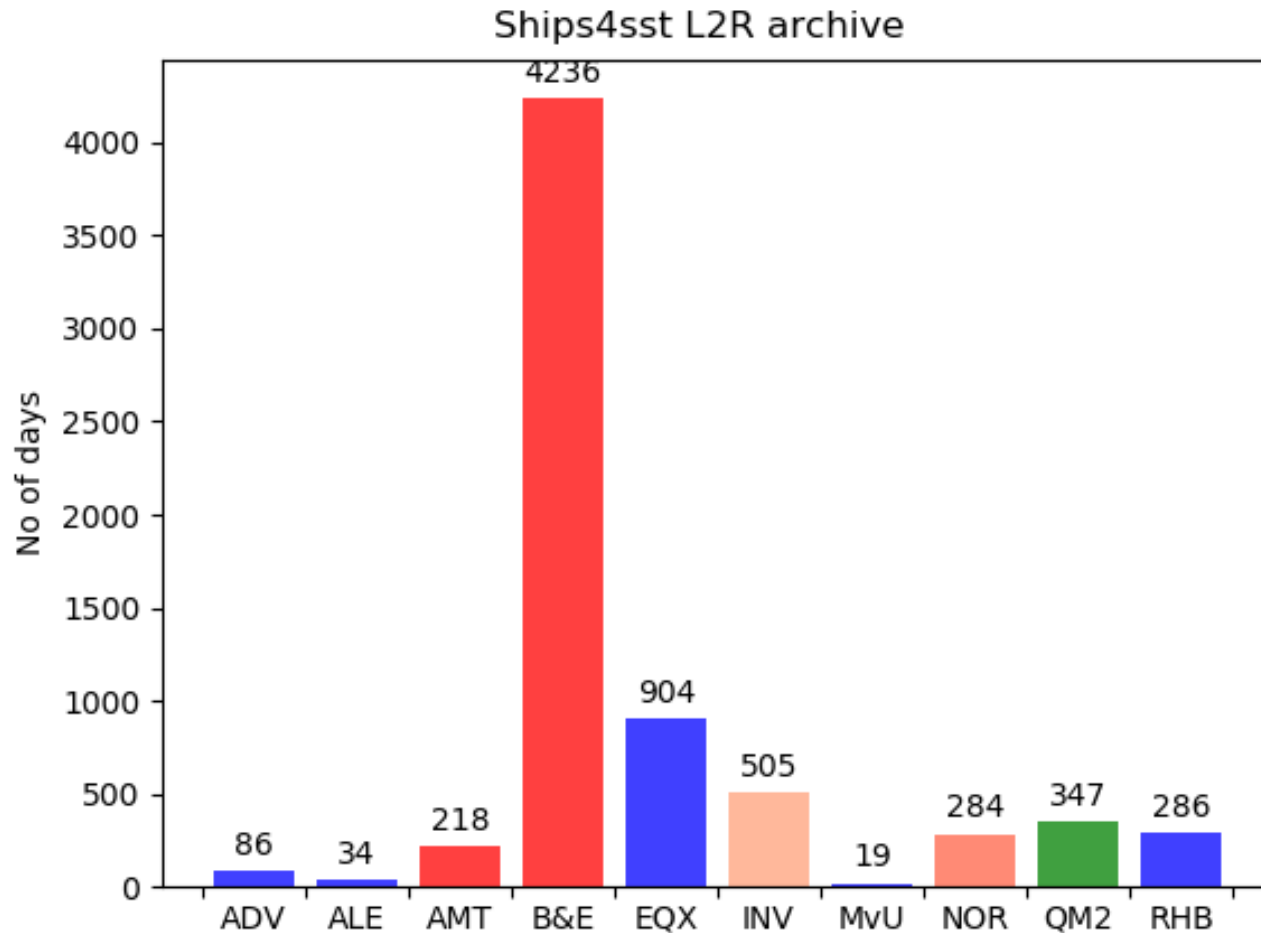processed 20200508 (c) 2020 ISAR team - v1.4

Archive – map

Ships4sst L2R archive

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Archive - SST

Ships4sst L2R archive

Archive – days of data / route

No of days

Route	Days
ADV	86
ALE	34
AMT	218
B&E	4236
EQX	904
INV	505
MvU	19
NOR	284
QM2	347
RHB	286

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Archive – days of data / RDAC

Ships4sst L2R archive
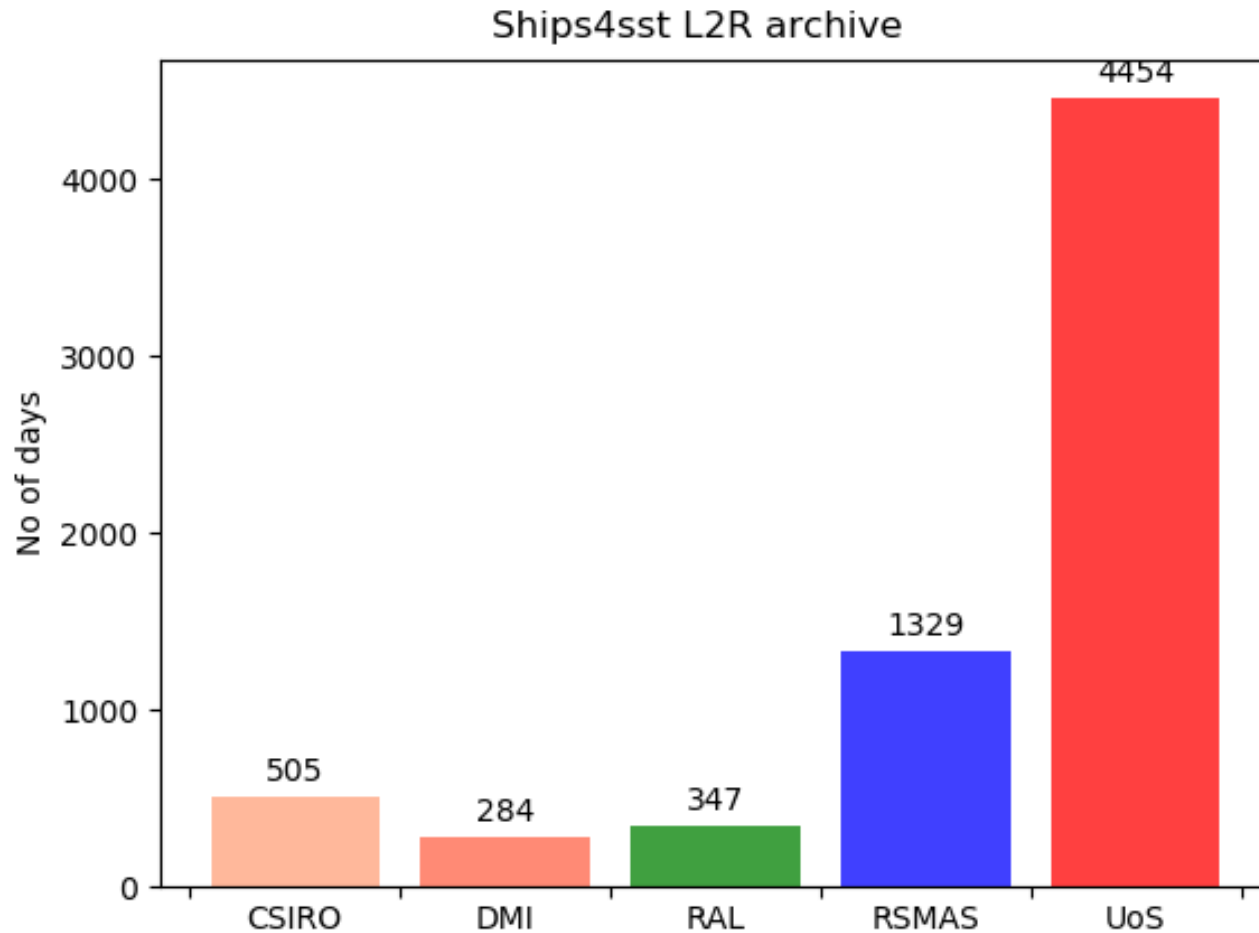
processed 20200508 (c) 2020 ISAR team - v1.4

Archive – SST data points / route

Ships4sst L2R archive
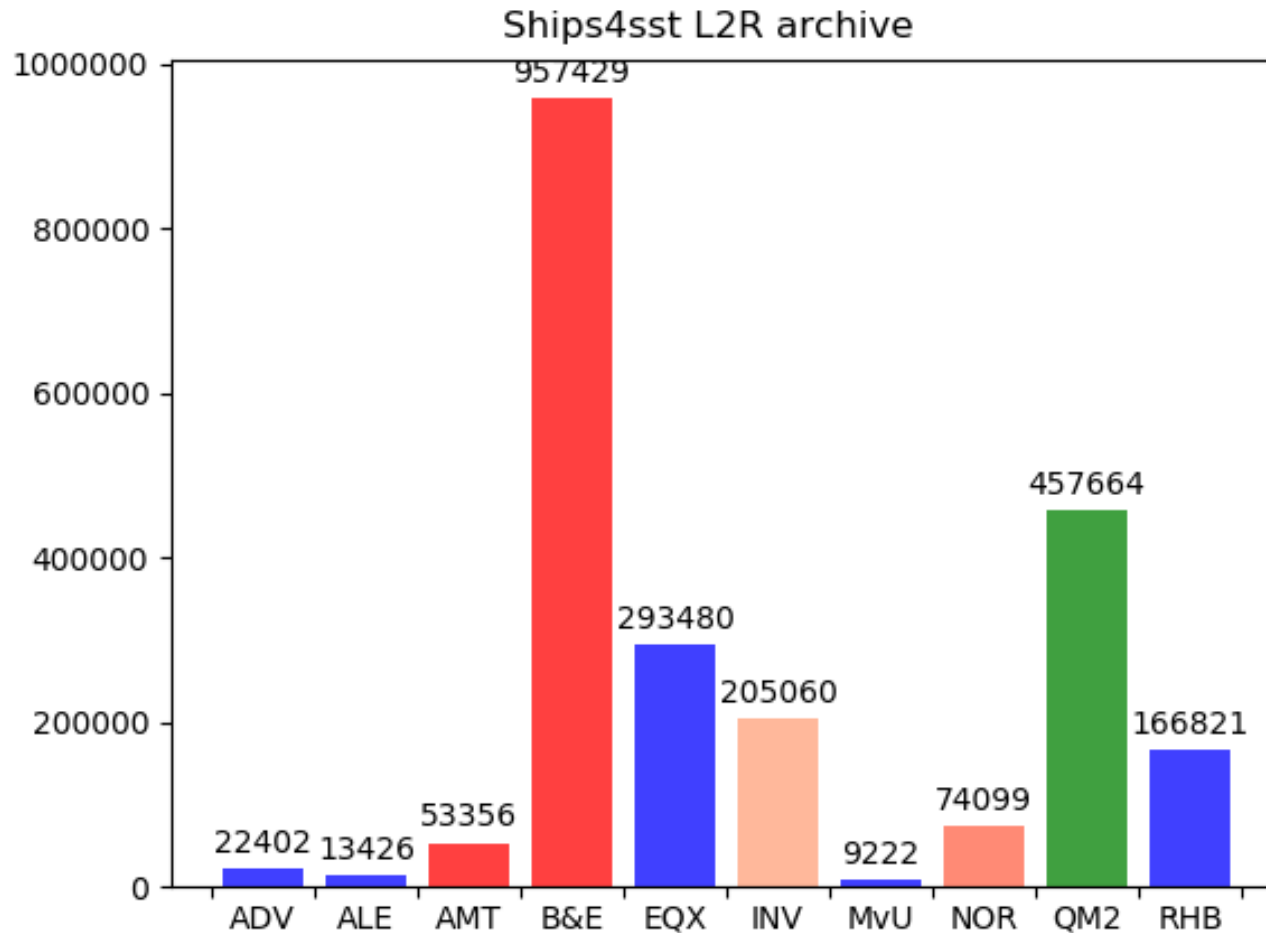
processed 20200508 (c) 2020 ISAR team - v1.4

Archive – SST data points / RDAC

Ships4sst L2R archive
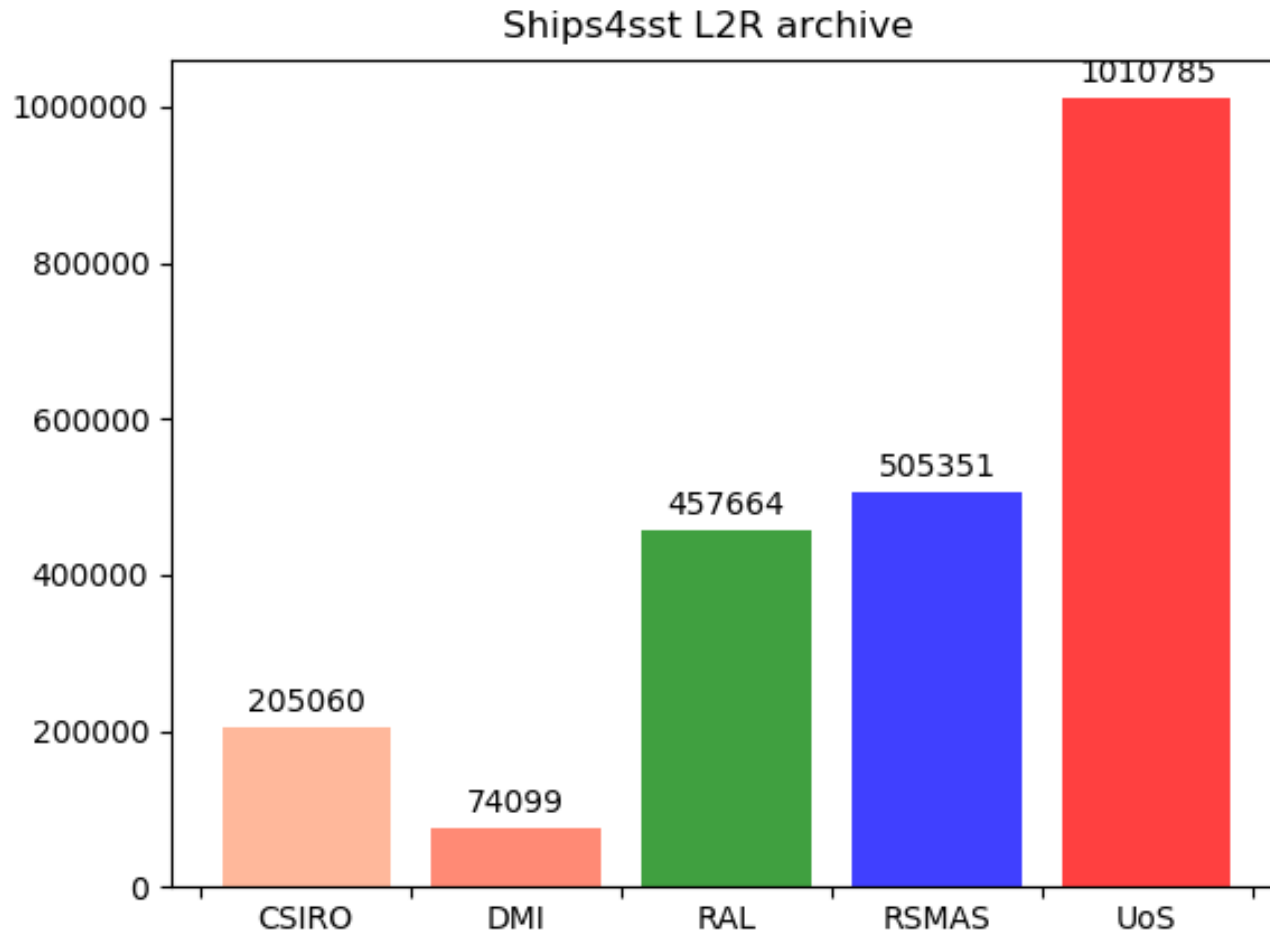
processed 20200508 (c) 2020 ISAR team - v1.4

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

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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.

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Archive d

FAQ document:

1.2 COMMON FILE NAME ISSUES:

- Files uploaded compressed, either each file or multiple together in one compressed file. Does not work, because the archive ingestions system expects plain netcdf files.
- Date without time in the file name. i.e. 20180112 instead of 20180112012423
- Missing the <Additional Segregator> which is used for deployment information. While it says additional in [1] it is a compulsory field in the file name.
- Adding extra fields in the file name (e.g. partxx). Adding extra fields, on top of the above mentioned ones, will break the automated ingestions and is not compliant with the L2R specification.

2. RE-ISSUING DATA FILES:

If data providers want to re-issue files for whatever reason please read carefully the two sections below.

2.1 SAME FILE VERSION NUMBER

If the file name is exactly the same as the file name already submitted, please contact ships4sst (w.wimmer@soton.ac.uk) or the archive (Jean.Francois.Piolle@ifremer.fr) before uploading any data. Because there is no difference in the file name the automated ingestion system does not know what to do and files will not get updated. In general this should be avoided and new files should have a new file version number.

2.2 DIFFERENT FILE VERSION NUMBER

New data files with a different file version number (table 1.1, row 9) from the previous data file can be uploaded without any notification. The automated ingestion system is set up to deal with multiple file version numbers.

3. REMOVING FILES

IF data providers discover that files have data issues and they want them removed, please contact ships4sst (w.wimmer@soton.ac.uk) or the archive (Jean.Francois.Piolle@ifremer.fr) . The archive currently has no automated process for removing data.

ships4sst: FRM4SST

W.Wimmer

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DMI
Vejr, klima og hav

Conclusion

- Archive now has good amount of data

  - Good geographical cover (for IR data).

  - Higher frequency in some areas desirable.

  - Upload frequency data provider depended.

- Issues

  - Document on web-page to inform data providers on how to avoid most common problems

    - File naming

    - Data duplication

  - User statistics