
Marine user guide

Release v1.0

IPG

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INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

INTRODUCTION

This project contains the necessary code to produce the data summaries that are included in the Marine User Guide. These help to document the status of the marine in situ data in the CDS after every new data release.

The marine data available in the CDS is the result of a series of data releases that are stored in the marine data file system in different directories. This project uses the data in the marine file system, rather than accessing to the CDS data.

Every new data release can potentially be created with a different version of the marine processing software. The current version of this project is compatible with the glamod-marine-processing code up to version v1.2.

INITIALIZE A NEW USER GUIDE

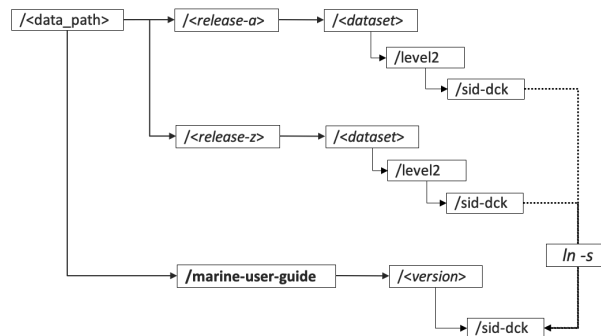
To initialise a new version of the Marine User Guide:

1. Create the data configuration (*mug_file*) file by merging the level2 configuration files of the different data releases in the current User Guide version.

```
python <mug>/init_version/init_config.py
```

2. Use the sid-dck keys of the *mug_config* file to create a simple ascii file with the list of sid-dcks to process (*mug_list*).
3. Create a view of the merged data releases in the User Guide data subspace: this is done by linking the level2 data from the releases to the same level2 subdirectory in user manual subspace. The launcher script also initialises the subdirectory for the user guide version in the data user guide space.

```
./<mug>/init_version/merge_release_data_launcher.sh *version* *mug_config*_  
↪ *mug_list*
```



DATA SUMMARIES

1. Monthly grids

```
./<mug>/data_summaries/monthly_grids_launcher.sh \\*version\\* \  
<glamod-marine-config>/marine-user-guide/*version*/monthly_grids.json
```

2. Quality indicators time series summaries