$\textbf{hsaf}_c ci_0 42 Documentation$

TU Wien

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Contents

This package was integrated into the esa_cci_sm package, therefore this package is obsolete and archived.

Reading and reshuffling of CCI soil moisture Written in Python.

CHAPTER 1

Installation

Setup of a complete environment with [conda](#) can be performed using the following commands:

```
git clone git@github.com:TUW-GEO/hsaf_cci_042.git hsaf_cci_042
cd hsaf_cci_042
conda env create -f environment.yml
source activate hsaf_env
```

CHAPTER 2

Supported Products

At the moment this package supports ESA CCI soil moisture data version v04.2 and v04.3 in netCDF format (reading and time series creation) with a spatial sampling of 0.25 degrees.

Contribute

We are happy if you want to contribute. Please raise an issue explaining what is missing or if you find a bug. We will also gladly accept pull requests against our master branch for new features or bug fixes.

3.1 Development setup

For Development we also recommend a `conda` environment. You can create one including test dependencies and debugger by running `conda env create -f environment.yml`. This will create a new `hsaf_env` environment which you can activate by using `source activate hsaf_env`.

3.2 Guidelines

If you want to contribute please follow these steps:

- Fork the hsaf_cci_042 repository to your account
- Clone the repository, make sure you use `git clone --recursive` to also get the test data repository.
- make a new feature branch from the hsaf_cci_042 master branch
- Add your feature
- Please include tests for your contributions in one of the test directories. We use py.test so a simple function called test_my_feature is enough
- submit a pull request to our master branch

Note

This project has been set up using PyScaffold 2.5. For details and usage information on PyScaffold see http://pyscaffold.readthedocs.org/.

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5.1 License

```
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```

5.2 Developers

- TU Wien <remote.sensing@geo.tuwien.ac.at>

5.3 Changelog

5.3.1 Version v0.0.X

- Update Readme
- Change submodule with testdata

5.3.2 Version v0.0.2

- Changing point of origin of gpis to bottom left corner

5.3.3 Version v0.0.1

- Initial version
- Add CCI reshuffle function
- Add CCI readers

5.4 hsaf_cci_042

5.4.1 hsaf_cci_042 package

Submodules

hsaf_cci_042.grid module

hsaf_cci_042.interface module

hsaf_cci_042.reshuffle module

Module contents

CHAPTER 6

Indices and tables

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