
Package**name** Documentation

Release 0.1.2

packagename****

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`visitparser` provides tools for parsing information from JWST visit files.

VISITPARSER DOCUMENTATION

Tools for parsing information from JWST visit files.

1.1 Functionalities

- Read JWST .vst files
- Return Visit object that contains all parsed information from the .vst file, i.e. ID, groups, sequences, activities
- Produce summaries of activities in tabular format
- Support for producing reports in text format

1.2 Where to Find visitparser

visitparser is hosted and developed at <https://github.com/spacetelescope/jwst-visit-parser>

1.3 Installation

This package is being developed in a python 3.5 environment.

1.3.1 How to install

visitparser is available via astroconda:

```
`conda install jwst-visit-parser`
```

Alternatively, you can clone the repository:

```
`git clone https://github.com/spacetelescope/jwst-dms-edb`
```

and install visitparser like this:

```
`cd visitparser`  
`python setup.py install`
```

or:

```
`pip install .`
```

1.4 User Documentation

Example usage:

1.5 Reporting Issues / Contributing

Do you have feedback and feature requests? Is there something missing you would like to see? Please open a new issue or new pull request at <https://github.com/spacetelescope/jwst-visit-parser> for bugs, feedback, or new features you would like to see. If there is an issue you would like to work on, please leave a comment and we will be happy to assist. New contributions and contributors are very welcome! This package follows the STScI [Code of Conduct](https://github.com/spacetelescope/visitparser/blob/master/CODE_OF_CONDUCT.md) (https://github.com/spacetelescope/visitparser/blob/master/CODE_OF_CONDUCT.md) strives to provide a welcoming community to all of our users and contributors.

We strive to adhere to the [STScI Style Guides](https://github.com/spacetelescope/style-guides) (<https://github.com/spacetelescope/style-guides>).

Please see the guidelines for jwql: <https://github.com/spacetelescope/jwql>

1.6 Reference API

1.6.1 parser

Module to inspect JWST visit files.

Authors

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class visitparser.parser.**Activity** (*cmdstring*, **args*, ***kwargs*)
Capture information related to activity.

describe ()

class visitparser.parser.**Aux** (*cmdstring*, *verbose=False*)
Capture statement identified by AUX keyword.

class visitparser.parser.**Dither** (*cmdstring*, *verbose=False*)
Capture statement identified by DITHER keyword.

class visitparser.parser.**Guide** (*cmdstring*, *group=None*, *sequence=None*, *verbose=False*)
Expand Guide statement.

describe ()

class visitparser.parser.**Momentum** (*cmdstring*, *verbose=False*)
Capture statement identified by MOMENTUM keyword.

class visitparser.parser.**Slew** (*cmdstring*, *group=None*, *sequence=None*, *verbose=False*)
Expand statement identified by SLEW keyword.

class `visitparser.parser.SlewOrAct` (*cmdstring, group=None, sequence=None, verbose=False*)
Capture statement identified by SLEW or ACT keyword.

gsa
Group, sequence, activity

class `visitparser.parser.Statement` (*cmdstring, verbose=False*)
Capture visit file statement delimited by a semicolon.

class `visitparser.parser.Visit` (*templates, statements, groups*)
Class for JWST visit file information

overview_table (*instrument=None*)
Return an astropy table with specific information, one row per exposure/activity.

instrument [str] JWST instrument name, case insensitive

table [astropy.table] Table with additional information extracted from the statements.

class `visitparser.parser.VisitDescription` (*cmdstring, verbose=False*)
Capture statement identified by VISIT keyword.

`visitparser.parser.crosscheck_wfsc_visit_file` (*filename*)
update Perrin's function to updated code.

filename

`visitparser.parser.iswhitespace` (*x*)

`visitparser.parser.parse_visit_file` (*filename, verbose=False*)
Read and parse the visit file line-by-line.

filename [str] Name fo file to parse

verbose [bool] verbosity

visit [Visit object] Object containing all information extracted from the file.

- `genindex`
- `modindex`

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