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# **ReadOIFITS**

***Release 0.1***

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**ReadOIFITS** is a Python package to read OIFITS files.

ReadOIFITS has its documentation hosted on Read the Docs.

ReadOIFITS has been tested on data from the following instruments:

- PIONIER
- GRAVITY
- MATISSE
- MIRCX
- MIDI
- NIRC2/SAM
- SPHERE/SAM

Check out the [Usage](#) section for further information, including how to [Installation](#) the project.

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**Note:** If ReadOIFITS does not work with your oifits file please raise an issue on Github.

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## 1.1 Usage

### 1.1.1 Installation

To use ReadOIFITS, first install it using conda:

```
conda install readoifits
```

### 1.1.2 Reading your oifits files

To read your oifits files, you can use the `ReadOIFITS.read()` function:

The `directory` should be a string with the path to the directory with the data files and `files` should be a string with the name of the files. It is possible to specify `*fits` to select all the files ending with fits in the specified directory.

For example:

```
>>> import ReadOIFITS as oifits
>>> data_dir = '/Users/XXX/path/to/you/data/'
>>> files = '*.fits'
>>> oifits.read(data_dir, files)
```

## 1.2 ReadOIFITS

### 1.2.1 ReadOIFITS package

**Module contents**