



MOLECFIT Experimental version

Paola Popesso - 2023-04-15 - Comments (0) - Data processing and analysis software resources

MOLECFIT Experimental version

The MOLECFIT Experimental version implements improvements and changes relative to the current Public Release version (4.2.3). However as an experimental version, it may also include bugs, **user beware, use at your own risk...**

Note the [experimental support for additional instruments](#) will also work for the public release version.

This experimental version is generally used to test improved user friendliness and support for additional instruments. New features will generally be incorporated into the official version at the next ESO pipeline annual public release update (usually in May of each year).

Subscribe to this article to receive notifications of updates.

Please follow the instructions below to install it.

First, if you don't have it already, install the public version of the MOLECFIT package (either via MacPorts or RPM package name = esopipe-molecfit-all, or the install_esoreflex script).

Second, make sure you have the software pre-requisites required for "[pipeline source installations](#)" and "[KMOS and Molecfit pipeline source installations](#)", see [here](#).

Set up the environment for installation:

```
bash
export MF_VERSION=4.2.3.19
```

Then, please download the following file:

```
curl -O
https://ftp.eso.org/pub/usg/molecfit/molecfit-${MF_VERSION}_INSTALL.sh
```

And then install it with the following command:

```
bash molecfit-${MF_VERSION}_INSTALL.sh
```

Please see the updated tutorial in:

```
${MF_INSTALL_DIR:-${HOME}/pipelines/molecfit-${MF_VERSION}}/molecfit-reflex-tutorial-${MF_VERSION}.pdf
```

Please note, some of the newest features may not yet be documented...

Instructions to run the workflow are printed out at the end of the installation procedure.

You should try running the workflow on the tutorial data for one or more instruments. Simply start up the workflow and click the "play" button to run the tutorial for XSHOOTER. To try other instruments, just change the instrument name in the main canvas.

Please create a ticket if you have any trouble with the installation or running the tutorial.

Please understand though, that as this is a "use at your own risk" experimental version, your ticket may not be handled as quickly as it would be for the Public Release version.

Experimental support for additional instruments

Experimental support can be added to the *public* and this development version as follows:

CRIRES

To add experimental support for CRIRES, do the following:

```
curl -O
https://ftp.eso.org/pub/usg/molecfit/user_instruments/CRIRES.tgz
tar -C ${HOME} -zxvf $(pwd)/CRIRES.tgz
```

Then set the INSTRUMENT variable in the molecfit main canvas to CRIRES to use.

SINFONI

To add experimental support for SINFONI, do the following:

```
curl -O
https://ftp.eso.org/pub/usg/molecfit/user_instruments/SINFONI.tgz
tar -C ${HOME} -zxvf $(pwd)/SINFONI.tgz
```

Then set the INSTRUMENT variable in the molecfit main canvas to SINFONI to use.

HARPS and HARPN

To add experimental support for HARPS, do the following:

```
curl -O
https://ftp.eso.org/pub/usg/molecfit/user_instruments/HARPS.tgz
tar -C ${HOME} -zxvf $(pwd)/HARPS.tgz
```

Then set the INSTRUMENT variable in the molecfit main canvas to HARPS to use.

To add experimental support for HARPN, do the following:

```
curl -O
https://ftp.eso.org/pub/usg/molecfit/user_instruments/HARPN.tgz
tar -C ${HOME} -zxvf $(pwd)/HARPN.tgz
```

Then set the INSTRUMENT variable in the molecfit main canvas to HARPN to use.

Tags

ESO software

molecfi

pipeline

software installation