EDPS GUI Quick Start Guide

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1. Installation

Prerequisites: recent Firefox or Chrome browser, Python 3.11 or higher.

1. Install the desired ESO pipelines according to the instructions in http://eso.org/pipelines. NOTE: the "apptainer" installation method is currently not supported. After the installation, the esorex command must be in the path. To test whether the installation was successful, type

   ```
   esorex –recipes
   ```

   A list of available recipes should appear.
2. Create a new Python virtual environment:

   python3 -m venv edpsgui

   . edpsgui/bin/activate
3. Install the required packages:

   pip install --extra-index-url \
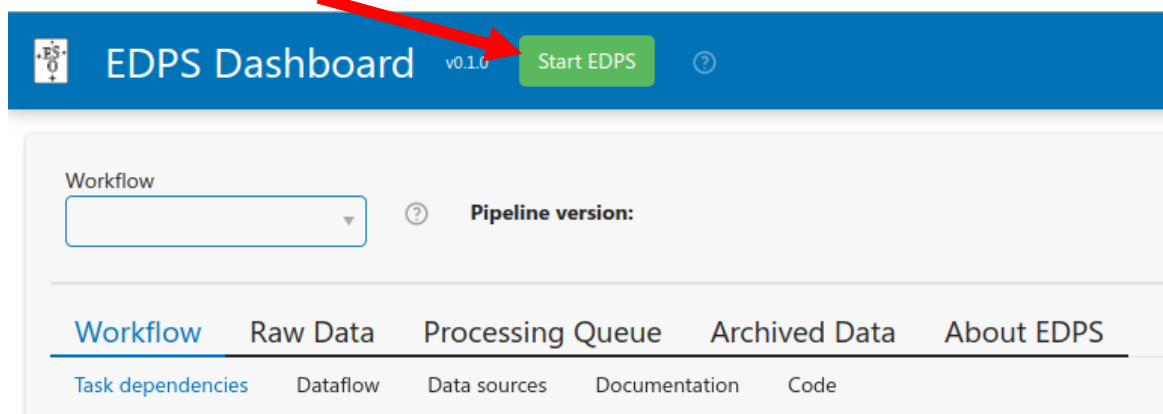   https://ftp.eso.org/pub/dfs/pipelines/repositories/stable/src \
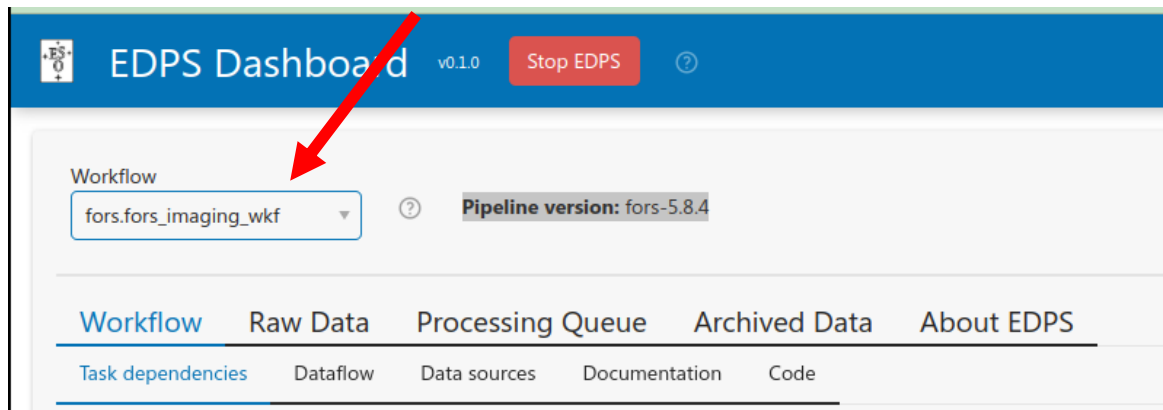   edps edpsgui edpsplot adari_core

2. Reducing Data

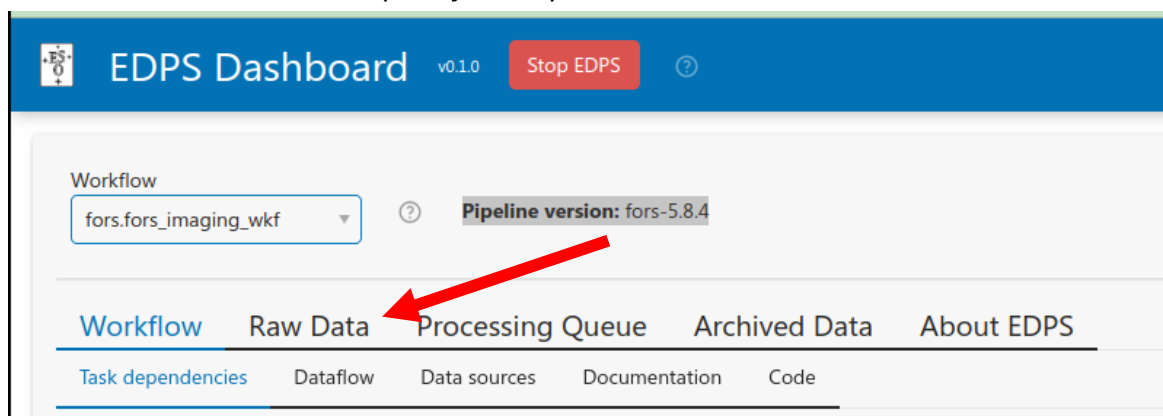This Quick Start Guide walks through the steps to reduce data using the default setup.

1. After installation and while still in the installation virtual environment, start the EDPS GUI by typing `edps-gui`. The EDPS Dashboard will start in a browser window.
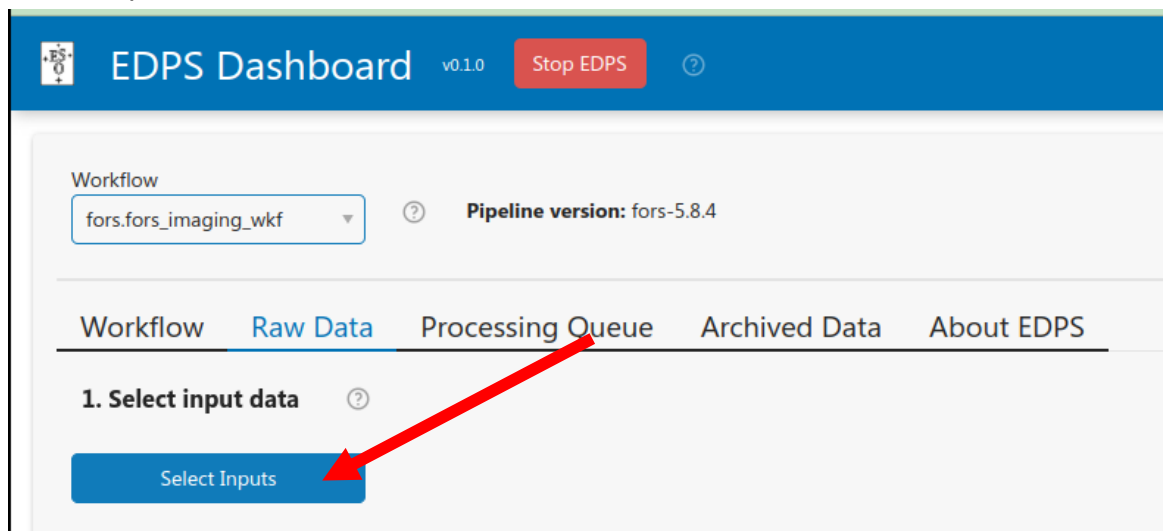2. Click on "Start EDPS"

3. Choose a pipeline workflow that matches the data to be reduced. The workflows offered in this selector depend on the installed pipelines.

4. Go to the *Raw Data* tab to specify the input data.

5. Select input data that are stored on a local disk.

6. Press *Create Datasets*.

A list of datasets will appear, one line for each set of science data.

7. Choose the datasets that should be processed.

Then press *Send to Processing Queue*

8. Go to the *Processing Queue* tab on top of the page.

9. Press *Reduce*. The selected data will now be processed with the default parameters.

Congratulations, you reduced your first data with the EDPS GUI!

3. FAQs

Q1) How do I stop the application?

1. Press "Stop EDPS" in the Dashboard.
2. Type Ctrl-C in the terminal where the application is running. If the application doesn't terminate, type Ctrl-C again.
3. Alternatively, kill the 'panel serve' process on your system, for example:

   ```
   ps aux | grep 'panel serve' # get the process ID
   kill <pid>
   ```

   If the application is still running after the `kill` command, use `kill -9`

Q2) I have closed the browser window where the application is running. How can I reopen the application?

Point your browser to: http://localhost:5006/edps-gui

Q3) Where can I find some data that I can use to test the application?

Install the "datademo" package provided with the pipeline installation or download the "Demo Data" package from https://www.eso.org/sci/software/pipe_aem_table.html. Please note that the demo data can be large (tens of Gigabytes).