EDPS GUI Quick Start Guide

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1. Installation

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

 Install the desired ESO pipelines according to the instructions in <u>http://eso.org/pipelines.</u> 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.

- 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"

🔋 EDPS Dashboar	d vo.1.6 Start EDPS	0	
Workflow	Pipeline version:		
Workflow Raw Data	Processing Queue	Archived Data	About EDPS
Task dependencies Dataflow	Data sources Documen	tation Code	

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

EDPS Dashboard VOLO Stop E	OPS ⑦
Workflow fors.fors_imaging_wkf	on: fors-5.8.4
Workflow Raw Data Processing Qu	ueue Archived Data About EDPS
Task dependencies Dataflow Data sources [Documentation Code

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

🔋 EDPS Dashboard	v0.1.0 Stop EDPS ?
Workflow fors.fors_imaging_wkf v ⑦	Pipeline version: fors-5.8.4
Workflow Raw Data	Processing Queue Archived Data About EDPS
Task dependencies Dataflow I	Data sources Documentation Code

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

🔋 EDPS Dashboar	d v0.1.0 Stop EDPS	0	
Workflow fors.fors_imaging_wkf v	Pipeline version: fors-	5.8.4	
Workflow Raw Data	Processing Queue	Archived Data	About EDPS
1. Select input data ②			
Select Inputs			

6. Press Create Datasets.

5. C	reate datasets ⑦	Send to Processin	g Queue	De	elete Datas	ets			
	Dataset	Target 🔺	Object 🔺	Files 🔺	Jobs 🔺	Complete 🔺	Submitted 🔺	Archived 🔺	^
	FORS2.2018-06-14T04:00:19.10	1 combine_image	s NGC6218	96	13	×	×	×	
	FORS2.2023-02-20T07:13:16.53	3 combine_image	s SN2021ahpl	96	13	×	×	×	
_							\frown	<u> </u>	

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

7. Choose the datasets that should be processed.

5. C	reate data ets ⑦	S	end to Proce	essing	Queue	De	lete Datas	ets			
	Dataset		Target	-	Object 🔺	Files 🔺	Jobs 🔺	Complete	Submitted 🔺	Archived A	
×.	FORS2.2018-06-14T04:00:19	9.101	combine_i	ages	NGC6218	96	13		×	×	
	FORS2.2023-02-20T07:13:16	5.533	combine_ir	ages	SN2021ahpl	96	13	×	×	×	

Then press Send to Processing Queue

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

🔋 EDPS I	Dashboa	d v0.1.0 Stop EDPS	0	
Workflow fors.fors_imagir	ng_wkf v	? Pipeline version: fors-	5.8.4	
Workflow	Raw Data	Processing Queue	Archived Data	About EDPS

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

EDPS Dashbo	
Workflow fors.fors_imaging_wkf *	Pipeline version: fors-5.8.4
Workflow Raw Data	Processing Queue Archived Data About EDPS
6. Configure reduction p	meters and start the reduction ③
All workflows Selected workflow	Collapse Archive Delete

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 <u>https://www.eso.org/sci/software/pipe_aem_table.html</u>. Please note that the demo data can be large (tens of Gigabytes).