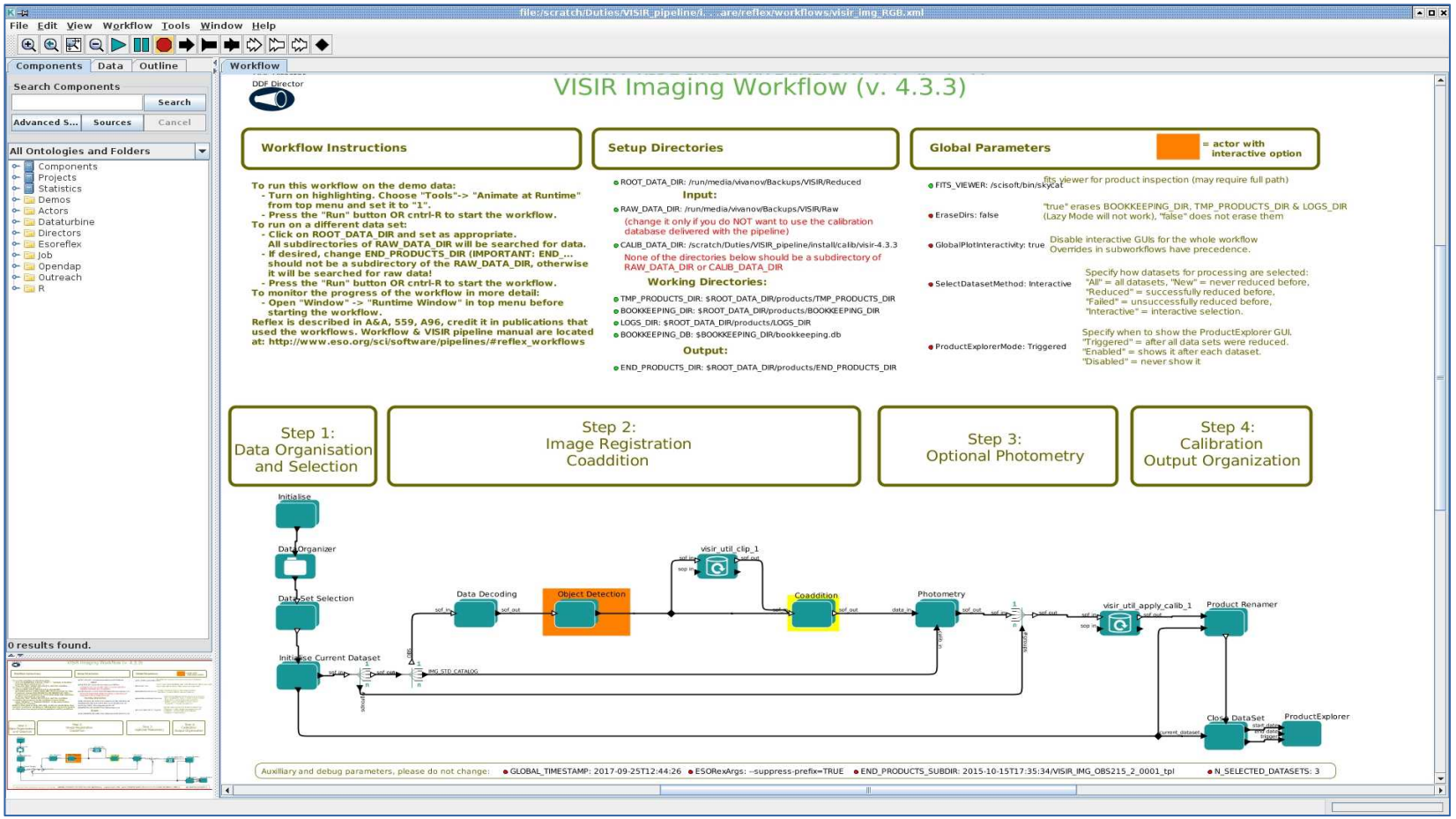
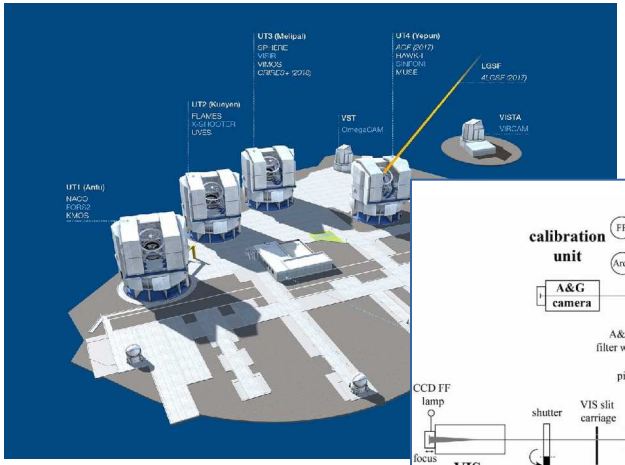
ESO Reflex

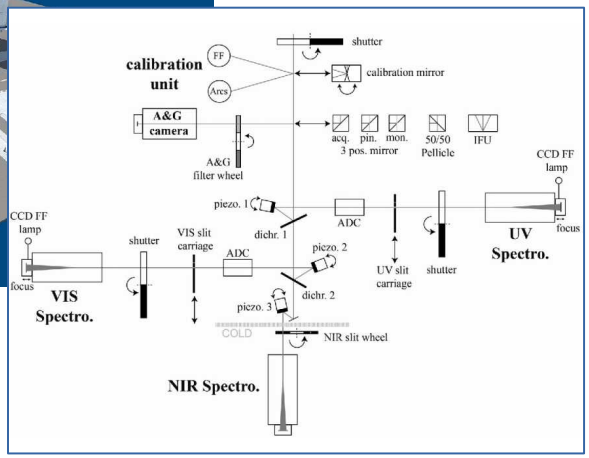


Valentin D. Ivanov, EAS 2022, 30.06.2022

ESO Reflex and pipelines



VLT suit of instruments



XSHOOTER overview

ESO instrument pipeline page:

Instrument	Release Notes	Source Kit	User Manual	Cookbook	Additional Documents	Additional Datasets	Reflex Tutorials	Status
AMBER	2017-04-01	4.3.7	4.3.4					Operational on hold
CRIRES	2016-10-12	2.3.2	1.12	Cookbook				Operational on hold
DETMON	2016-02-15	1.3						Operational on hold
EFOSC	2016-04-01	2.2						End of maintenance
FORS	2017-02-24	5.3						Operational on hold
GIRAFFE	2017-04-26	2.16						Operational on hold
GRAVITY	2017-04-24	1.0						Active
HAWKI	2017-04-01	2.2						Operational on hold
ISAAC	2016-02-15	6.1						End of maintenance
KMOS	2017-02-24	1.4						Active
MIDI	2017-04-01	2.8						End of maintenance
MUSE	2017-10-01	2.2						Active
NACO	2017-02-24	4.4						Operational on hold
SINFONI	2017-04-19	3.0						Operational on hold
SOFI	2017-05-15	1.5						End of maintenance
SPHERE	2017-03-14	0.24						Active
UVES	2017-10-19	5.8						Operational on hold
VCAM	2017-04-01	2.3						Operational on hold
VIMOS	2017-04-24	3.1						Operational on hold
VISIR	2017-02-24	4.3						Operational on hold
XSHOOTER	2017-10-19	2.9.3	12.17			Additional NIR telluric model catalog (190 MB)	Tutorial: 2.16 Demo Data: 1.2	Operational on hold

We have <u>many complex instruments</u> that generate <u>complex data</u>!

Pipelines (instrument-specific data processing software) are:

- designed and developed by the instrument consortia
- released, maintained and upgraded by ESO

Pipelines can be executed via: esorex, **Reflex**. And in the future – the python-friendly EDPS.

Resources and help

Refereed Paper:

ESO Reflex Webpage:

ESO Reflex video tutorial:

Bibcode Authors	Cites Title	Date	List of Links Access Control Help
2013A&A...559A..96F Freudling, W.; Romaniello, M.; Bramich, D. M.; Ballester, P.; Forchi, V.; García-Dabló, C. E.; Moehler, S.; Neeser, M. J.	104.000 Automated data reduction workflows for astronomy. The ESO Reflex environment	11/2013	A E F X R C O

Resources and help

ESO instrument pipeline page:

https://www.eso.org/sci/software/pipelines/

Reflex refereed paper:

https://ui.adsabs.harvard.edu/abs/2013A%26A...559A..96F/abstract

ESO Reflex Webpage:

https://www.eso.org/sci/software/esoreflex/

ESO Reflex video tutorial:

https://www.youtube.com/watch?v=d8egujo63tI&list=PLpnVxAKx0wuaBb5zRNoDmpQXdLWAvmlYS