Pipeline Day 2019

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Pipeline day agenda

Time	Talk	Presenter
09:00	Pipeline Day Intro	S. Castro
09:15	The 1618 Standard Document Version 4	P. Ballester
10:00	Pipeline Development with CPL	R. Palsa
10:45	Coffee break	
11:00	High level Data Reduction Library - HDRL	A. Modigliani
11:45	Reflex Workflow Development	E. Garcia Dabo
12:30	Lunch break	
14:00	The ObsPrep Tool (GuideCam)	V. Forchi
14:45	Wrap up	All
15:00	End of meeting	

Outline

- Writing Data Reduction software for ESO (**1618 document**)

- Acceptance Tests performed at ESO on the Data Reduction Software

- Getting help and interaction with ESO

Writing Data Reduction Software

European Organisation for Astronomical Research in the Southern Hemisphere

Dataflow for ESO Observatories
Deliverables Specifications

Document Number: ESO-037611 (VLT-SPE-ESO-19000-1618)

Document Version: 4 Draft for Release (05.11.2019)

ESO Acceptance Tests

As described in Sections 6.1 and 6.2 of 1618 document, ESO will verify the intermediate and final deliveries of the Data Reduction Library following this list:

code inspection
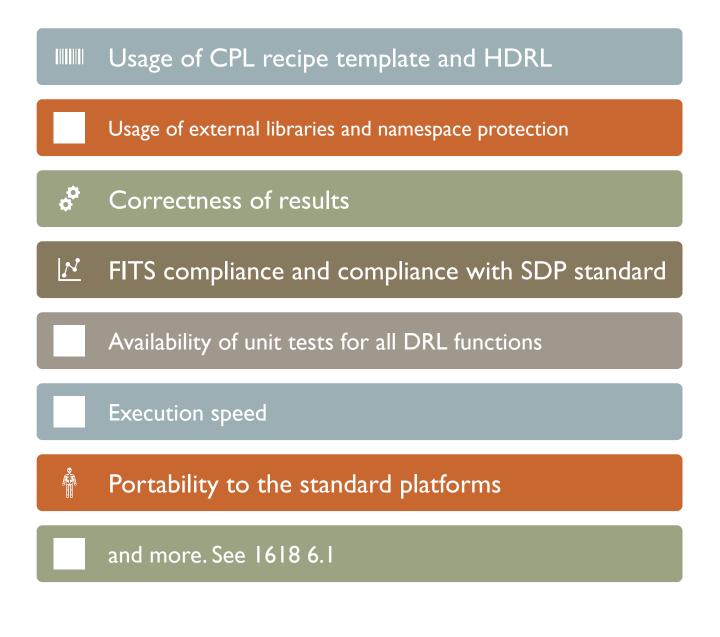
execution of the code in the ESO environment

comparison of the produced result data with the reference data set provided by the instrument consortium.

The compliance and quality of data products will also be reviewed in particular for Science Data Products.

ESO Acceptance Tests

Compliance and Initial Verification

- Usage of CPL recipe template and HDRL
- Usage of external libraries and namespace protection
- Correctness of results
- FITS compliance and compliance with SDP standard
- Availability of unit tests for all DRL functions
- Execution speed
- Portability to the standard platforms
- and more. See 1618 6.1

Getting help from ESO

- First contact point is the Project Manager or Project Scientist in the ESO instrument project

- For Data Reduction related topics, contact the ESO pipeline responsible of your instrument

- We welcome visits of Consortia developers to work closer with ESO pipeline developers

Thanks