EUROPEAN SOUTHERN OBSERVATORY

Organisation Européenne pour des Recherches Astronomiques dans l'Hémisphère Austral
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Using the RPM-delivered Pipelines in QC

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1 Scope

The current document describes briefly the changes in the use of the pipelines after the March 2016 RPM-based pipeline deliveries to QC. It is not aimed to be distributed directly to QC scientists, but rather to serve as a baseline.

2   Configuration of esorex in QC

The QC scientists use the file `$HOME/.esorex/esorex.rc` to point explicitly to the pipeline version they are interested in. With the RPM-based installation the path to the recipes has changed. Therefore, all QC scientists should modify their `$HOME/.esorex/esorex.rc` and change the following option:

`esorex.caller.recipe-dir=/usr/lib64/esopipes-plugins/<pipe>-<vers>`

where `<pipe>` is the pipeline name and `<vers>` the desired pipeline version.

3   Using customized recipe configuration files

Esorex allows to have recipe configuration files that apply only to specific recipes, for instance `$HOME/.esorex/fors_img_science.rc` contains specific configuration for recipe `fors_img_science`.

Some recipes, notably those that make use of external tools like `Sextractor`, might include default paths in some of their parameters. With the new RPM installation the default values have changed. If you are using a custom recipe configuration file, then you might have to adapt the value accordingly. For instance, if file `$HOME/.esorex/fors_img_science.rc` exists, the following option must be changed:

`fors.fors_img_science.sex_config="/old/path/to/sextractor"`

To get the new default value, one can use the following command which will print all the recipe defaults:

`esorex --recipe-config=/dev/null  --help fors_img_science`

Other option is of course to remove the custom configuration if it is no longer needed.

Note that this also happenned with ipip based installations each time a new release was installed.

4   Use of pipeline static data by QC

By default, the QC group will get the pipeline recipes when they request a pipeline installation. Only in case they are interested in the static data provided by the pipeline they will request additionally the installation of this. In this case, the QC scientist should look for the static data in the following location:
`/usr/share/esopipes/datastatic/<instrument>-<version>`