

RunCifbuild

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Abstract

RunCifbuild is a module made to easily run (`cifbuild`) and (`odfingest`) from a Python interface using (`pysas`). In addition contains several test to ensure the correct manipulation of these SAS variables.

1 Use

In order to use RunCifbuild simply import it in a Python session:

```
from pysas.RunCifbuild import RunCifbuild
```

After importing the module, the two main functions that can be used are `run_cifbuild` and `run_odfingest`. A summary of the rest of the functions can be seen below.

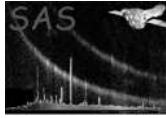
2 Description

pyOAL is a module containing several classes (Observation, Instrument, Exposure, Product, Task, Param) that allows the user to navigate through all the information in an observation by reading a XML file.

There are more specific functions in the class that are discussed in the section ??.

2.1 Current functions

- `set_ccf`: sets the value for the SAS_CCF variable.
- `check_heasoft`: checks the environmental variable HEADAS.
- `set_odfingest`: sets the SAS_ODF variable.
- `check_SASODF`: checks the SAS_ODF variable.
- `test_odfingest`: checks for SAS.SUM file.



- *test_CCF*: checks for CCF files.
- *run_cifbuild*: runs and makes the proper checks for (cifbuild).
- *run_odfingest*: runs the task (odfingest).
- *run_and_check_odfingest*:

2.2 Errors

Will raise the usual Python exceptions alongside an explanation of the issue. Other errors will be notified to the user accordingly in each function.

3 Input Files

1. Each function requires its own arguments (if any). Check the documentation for each function using the *help()* command.

4 Output Files

1. Each utility has its own output files (or any). This is mentioned in the documentation for each function.

5 Comments

- Please report any bug found or any extra utilities that may seem useful for the purpose of SAS and/or (RunCifbuild).

References