SPIRou Quick Installation Guide

Version 0.3.003

For DRS SPIRou 0.2.056 (alpha pre-release)

0.1 Linux

This is a quick guide to installation, for a more full description please see the full documentation . This assumes you have the latest version of Anaconda for python 3 (or python 2) and are using BASH.

1. Get the latest version of the DRS (for SPIRou version 0.2.056 (alpha pre-release)). from here: https://github.com/njcuk9999/spirou_py3

2. Download the test data from here: http://genesis.astro.umontreal.ca/neil/spirou_test_data_alpha0.1.003.zip (if required).

3. Extract the DRS (make a note of the path, hereinafter DRS_ROOT)

4. Add the following paths to your PATH and PYTHON PATH environmental variables

   e.g. in ~/.bashrc

   ```
   export PATH="DRS_ROOT/bin/:{$PATH}"
   export PYTHONPATH="DRS_ROOT :DRS_ROOT/bin/:{$PYTHONPATH}"
   ```

5. make sure your paths are set

   ```
   >>    source ~/.bashrc
   >>    echo $PATH
   ```

6. Make recipes executable (found in the DRS_ROOT /bin folder) - to use from the command line.

7. Setup the DRS paths (edit the file: '../config /config.py '):

TDATA	= /drs/data/	/	Define the DATA directory
DRS_ROOT	= /drs/INTROOT/	/	Define the installation directory
DRS_DATA_RAW	= /drs/data/raw	/	Define the folder with the raw data files in
DRS_DATA_REDUC	= /drs/data/reduced	/	Define the directory that the reduced data should be saved to/read from
DRS_CALIB_DB	= /drs/data/calibDB	/	Define the directory that the calibration files should be saved to/read from
DRS_DATA_MSG	= /drs/data/msg	/	Define the directory that the log messages are stored in
DRS_DATA_WORKING	= /drs/data/tmp/	/	Define the working directory

8. Make sure USER_CONFIG and DRS_DEBUG are set to a value of 0 (or False) and that ICDP_NAME is set to 'constants_SPIROU.py'.

9. validate the DRS installation:

   ```
   >> cal_validate_spirou .py
   ```

   or

   ```
   >> python cal_validate_spirou
   ```

The DRS is now installed and set-up. To run see the full documentation .

0.2 Mac

This is a quick guide to installation, for a more full description please see the full documentation . This assumes you have the latest version of Anaconda for python 3 (or python 2) and are using BASH.

1. Get the latest version of the DRS (for SPIRou version 0.2.056 (alpha pre-release)). from here: https://github.com/njcuk9999/spirou_py3

2. Download the test data from here: http://genesis.astro.umontreal.ca/neil/spirou_test_data_alpha0.1.003.zip (if required).

3. Extract the DRS (make a note of the path, hereinafter DRS_ROOT)

4. Add the following paths to your PATH and PYTHON PATH environmental variables

   ```
   e.g. in ~/.bashrc or ~/.bash_profile

   export PATH=".:DRS_ROOT/bin/:{$PATH}"
   export PYTHONPATH=".:DRS_ROOT:DRS_ROOT/bin/:{$PYTHONPATH}"
   ```

5. make sure your paths are set

   ```
   >>    source ~/.bashrc
   >>    echo $PATH
   ```

6. Make recipes executable (found in the DRS_ROOT /bin folder) - to use from the command line.

7. Setup the DRS paths (edit the file: '../config /config.py '):

TDATA	= /drs/data/	/	Define the DATA directory
DRS_ROOT	= /drs/INTROOT/	/	Define the installation directory
DRS_DATA_RAW	= /drs/data/raw	/	Define the folder with the raw data files in
DRS_DATA_REDUC	= /drs/data/reduced	/	Define the directory that the reduced data should be saved to/read from
DRS_CALIB_DB	= /drs/data/calibDB	/	Define the directory that the calibration files should be saved to/read from
DRS_DATA_MSG	= /drs/data/msg	/	Define the directory that the log messages are stored in
DRS_DATA_WORKING	= /drs/data/tmp/	/	Define the working directory

8. Make sure USER_CONFIG and DRS_DEBUG are set to a value of 0 (or False) and that ICDP_NAME is set to 'constants_SPIROU.py'.

9. validate the DRS installation:

   ```
   >> cal_validate_spirou .py
   ```

   or

   ```
   >> python cal_validate_spirou
   ```

   The DRS is now installed and set-up. To run see the full documentation .

0.3   Windows

This is a quick guide to installation, for a more full description please see the full documentation . This assumes you have the latest version of Anaconda for python 3 (or python 2)

1. Get the latest version of the DRS (for SPIRou version 0.2.056 (alpha pre-release)). from here: https://github.com/njcuk9999/spirou_py3

2. Download the test data from here: http://genesis.astro.umontreal.ca/neil/spirou_test_data_alpha0.1.003.zip (if required).

3. Extract the DRS (make a note of the path, hereinafter DRS_ROOT)

4. Add the following paths to your PATH environmental variable

   > **In "Environmental Variables"**
   >
   > `DRS_ROOT \bin\;`

5. Add the following paths to your PYTHONPATH environmental variable

   > **In "Environmental Variables"**
   >
   > `%PYTHONPATH%;DRS_ROOT ;DRS_ROOT \bin\;`

6. Setup the DRS paths (edit the file: '../config /config.py '):

TDATA	`= C:\\Users\\User\` `\Documents\\drs\\data`	/	Define the DATA directory
DRS_ROOT	`= C:\\Users\\User\` `\Documents\\drs\\INTROOT`	/	Define the installation directory
DRS_DATA_RAW	`= C:\\Users\\User\` `\Documents\\drs\\data\\raw`	/	Define the folder with the raw data files in
DRS_DATA_REDUC	`= C:\\Users\\User\` `\Documents\\drs\\data\` `\reduced`	/	Define the directory that the reduced data should be saved to/read from
DRS_CALIB_DB	`= C:\\Users\\User\` `\Documents\\drs\\data\` `\calibDB`	/	Define the directory that the calibration files should be saved to/read from
DRS_DATA_MSG	`= C:\\Users\\User\` `\Documents\\drs\\data\\msg`	/	Define the directory that the log messages are stored in
DRS_DATA_WORKING	`= C:\\Users\\User\` `\Documents\\drs\\data\\tmp`	/	Define the working directory

   > **Note:** Note paths in windows must have a '\\' also the python files must be open with a valid editor such as Sublime Text, Notepad++, Spyder or Pycharm for example

7. Make sure USER_CONFIG and DRS_DEBUG are set to a value of 0 (or False) and that ICDP_NAME is set to 'constants_SPIROU.py'.

8. validate the DRS installation:

   ```
   >> python cal_validate_spirou
   ```

   The DRS is now installed and set-up. To run see the full documentation .