

SPIRou Quick Installation Guide

Version 0.3.004

For DRS SPIRou 0.2.058 (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 0.2.058 (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_DIR).
4. Copy DRS_DIR/INTROOT/config/config.py to a user directory (e.g. /home/user/spirou/) hereinafter USER_DIR.
5. Add the following paths to your PATH and PYTHON PATH environmental variables

e.g. in ~/.bashrc

```
export PATH="DRS_DIR/INTROOT/bin/":${PATH}
export PYTHONPATH="DRS_DIR/INTROOT/":"DRS_DIR/INTROOT/bin/":${PYTHONPATH}
export DRS_UCONFIG="USER_DIR "
```

6. make sure your paths are set

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

7. Make recipes executable (found in the DRS_DIR/bin folder) - to use from the command line.
8. Setup the DRS paths (edit the file: 'USER_DIR/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

where DRS_ROOT should be "DRS_DIR/INTROOT".

9. validate the DRS installation:

```
>> cal_validate_spirou.py
```

Select "Yes" when prompted to setup the calibration database.

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 0.2.058 (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_DIR)
4. Copy DRS_DIR/INTROOT/config/config.py to a user directory (e.g. /Users/user/spirou/) hereinafter USER_DIR.
5. Add the following paths to your PATH and PYTHON PATH environmental variables

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

```
export PATH=.: "DRS_DIR/INTROOT/bin/":${PATH}
export PYTHONPATH=.: "DRS_DIR/INTROOT/": "DRS_DIR/INTROOT/bin/":${PYTHONPATH}
export DRS_UCONFIG="USER_DIR "
```

6. make sure your paths are set

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

7. Make recipes executable (found in the DRS_DIR/bin folder) - to use from the command line.
8. Setup the DRS paths (edit the file: 'USER_DIR/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_REDUCE	= /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

where DRS_ROOT should be "DRS_DIR/INTROOT".

9. validate the DRS installation:

```
>> cal_validate_spirou.py
```

Select "Yes" when prompted to setup the calibration database.

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 0.2.058 (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_DIR)
4. Copy DRS_DIR\INTROOT\config\config.py to a user directory (e.g. C:\Users\user\spirou\) hereinafter USER_DIR.
5. Add the following paths to your PATH environmental variable

In "Environmental Variables"

```
DRS_DIR\INTROOT\bin\;
```

6. Add the following paths to your PYTHONPATH environmental variable

In "Environmental Variables"

```
%PYTHONPATH%;DRS_DIR\INTROOT\;DRS_DIR\INTROOT\bin\;
```

7. Add the following path to a new environmental variable

In "Environmental Variables"

```
%DRS_UCONFIG%;USER_DIR ;
```

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

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

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

where DRS_ROOT should be "DRS_DIR\INTROOT".

9. validate the DRS installation:

```
>> python cal_validate_spirou
```

Select “Yes” when prompted to setup the calibration database.

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