

SPIRou Quick Installation Guide

Version 0.0.52

For DRS SPIRou 0.1.031 (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 0.1.031 (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 (in for example .bashrc)

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.txt’):

| | | | | |
|------------------|---|-------------------|---|--|
| 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 |

8. validate the DRS installation:

```
>> cal_validate_spirou
```

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 0.1.031 (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 (in for example .bashrc or .bash_profile)

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.txt'):

| | | |
|------------------|---------------------|--|
| 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. validate the DRS installation:

```
>> cal_validate_spirou
```

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 0.1.031 (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.txt'):

| | | |
|------------------|--|---|
| 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_REDUCE | = 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. validate the DRS installation:

```
>> python cal_validate_spirou
```

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