SPIRou Quick Installation Guide

Version 0.2.01

For DRS SPIRou 0.2.002 (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 0.2.002 (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
   ```

   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 0.2.002 (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 0.2.002 (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 .