

Documentation of Nirs Analysis Scripts

L.Beichert@stud.uni-heidelberg.de

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1 Requirements

The scripts work with nirs/systemic(/phosphorus) data structs as they are created by the nirs data synchronisation scripts (<https://github.com/aot/ucl-nirs-analysis>). The data structs are expected to be save into files called 'pigData.m'.

tools in
path

2 overviewPlots

Used like:

```
>> overviewPlots(pigDataNTB)
```

Creates an overview plot of every subject in the data-struct 'pigDataNTB' (use loadData to load) and saves it as .pdf and .fig file under overviewPlots/output/.

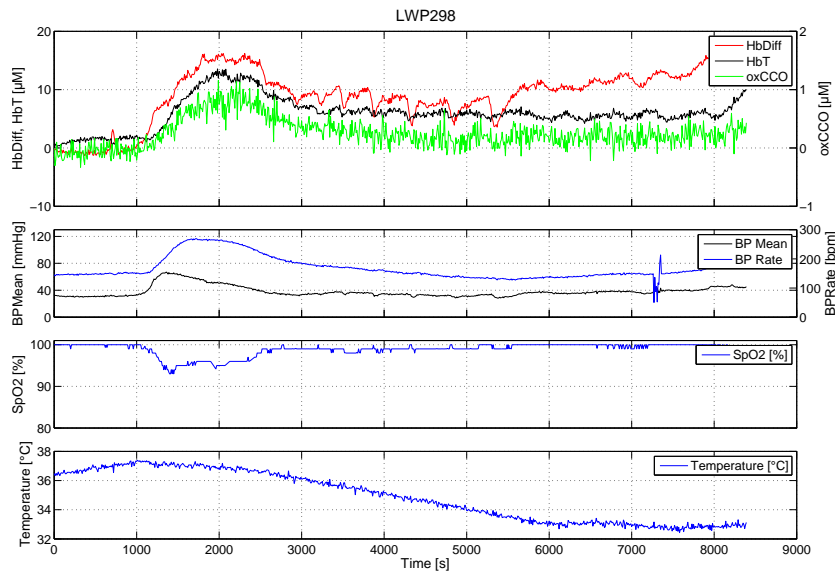


Figure 1: Sample overview plot created with overviewPlots

3 diffsBeforeAfter

4 recoveryFraction

5 tools

5.1 loadData(suffix)

Used like:

```
>> loadData('31p')
```

Loads pigData-structs of type 'suffix'(31p, 1h, cooling, ...) into workspace variable 'pigDataNTB'.

Expects the structs to be saved as files called 'pigData.m' under the location `pigletdatadir/argon-dex/output/suffix/`. The path to the data directory must be saved as MATLAB-appdata 'pigletdatadir'. This can be done by copying the 'startup.m' file from `/tools` to the home directory of MATLAB and editing it according to the local path or by integrating the lines into a pre-existing startup-file.