

ransX framework

User Guide

Date	Version	Person	Change
30/March/2019	1.0	Miroslav Mocak	Initial instructions

This guide provides usage instructions for ransX users and description of all parameters in the ransX framework contained within following available parameter files:

- param.ransx (control file for master script ransx.py)
- param.tseries (control file for time-averages over specific time range with ransx_tseries.py)
- param.single (control file for plotting data from a single ransdat file with ransx_single.py)

Installation

- create local copy of the whole repository e.g. using command line and:

➤ `git clone https://github.com/mmicromegas/ransX`

- enter the ransX directory:

➤ `cd ransX`

- run ipython and execute a test run:

➤ `ipython`

➤ `run ransX.py`

- to change plotting output, modify parameters in param.ransx and re-run ransx.py

Parameters description of param.ransx

- to calculate time-averages over different time span, modify parameters in param.tseries and re-run ransx_tseries.py

Parameters description of param.tseries

- to check running averages from a single ransdata file, modify parameters in param.single and run ransx_single.py

Parameter description of param.single

Related Documents

[RansXtheoryGuide.pdf](#)

[RansXinstallationGuide.pdf](#)

[RansXimplementationGuide.pdf](#)

[RansXdevelopersGuide.pdf](#)

[RansXuserGuide.pdf](#)