
report_2idd Documentation

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Pete Jemian

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Contents

1	Contents	3
1.1	mda2idd_gui	3
1.2	mda2idd_report	3
1.3	mda2idd_summary	3
2	Web URL	5

Many sectors of the APS use the EPICS¹ *sscan* record² from *synApps*³ to collect their experimental data. The *saveData* process⁴ runs in an EPICS IOC to store the *sscan* record data into binary files using the *MDA*⁵ format.

This support provides a tool to read those MDA files and, for 1-D and 2-D scans, write the scan into ASCII text files according to the expected layout provided by a previous program (*yca scanSee_report*, support based on the open-source *yorick* software with extensions to communicate with EPICS using Channel Access).

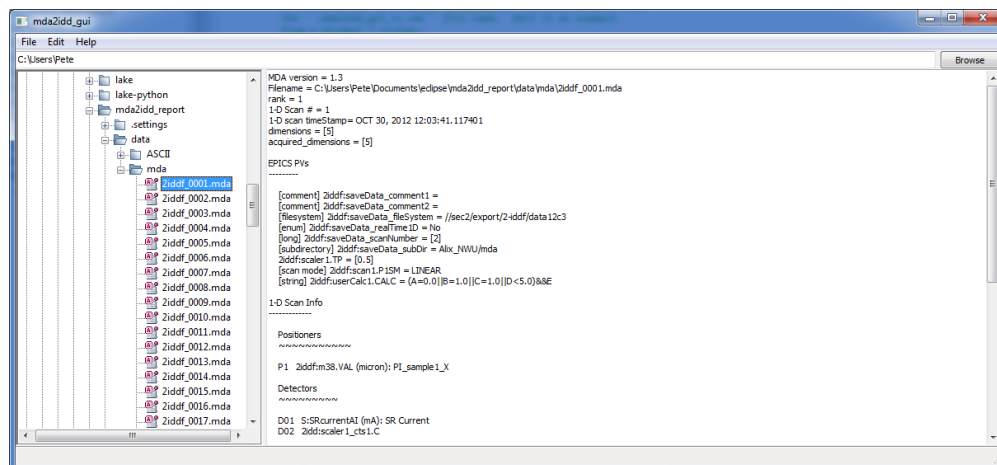


Fig. 1: Main window showing full summary of selected MDA file

¹ EPICS: <http://www.aps.anl.gov/epics/>

² EPICS *sscan* record: <http://www.aps.anl.gov/bcda/synApps/sscan/sscanRecord.html>

³ *synApps*: <http://www.aps.anl.gov/bcda/synApps/index.php>

⁴ more information on the *saveData* process: <http://www.aps.anl.gov/bcda/synApps/sscan/sscanDoc.html>

⁵ MDA format specification: http://www.aps.anl.gov/bcda/synApps/sscan/saveData_fileFormat.txt

mda2idd_gui

Source code documentation

mda2idd_gui Module

mda2idd_report

Source code documentation

mda2idd_report Module

mda2idd_summary

Source code documentation

mda2idd_summary Module

CHAPTER 2

Web URL

the previous documentation is still visible:

- tiny: <http://tinyurl.com/bq9l5o7>
- preview: <http://preview.tinyurl.com/bq9l5o7>
- full: https://subversion.xray.aps.anl.gov/bcdaext/mda2idd_report/src/docs/_build/html/index.html