

## BornAgain - Testing #2210

Envelope task # 2192 (Archived): 1D data import functionality

### Test 1d data import on known file formats

26 Oct 2018 11:09 - dmitry

<b>Status:</b>	Resolved	<b>Start date:</b>	26 Oct 2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Reflectometry	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Sprint 41		

#### Description

Data import functionality should be tested on "real-life" data, mainly provided by Marina Ganeva. After replacing proprietary data with random numbers, files can be used for functional testing. Set of unit tests for ImportAssistant would be also very desirable.

One also need to make sure (e.g. with unit tests), that the following behavior is fulfilled:

1. ASCII files ---> opened in a reasonable time (e.g. <= 1 sec)
2. int ---> opened without calling import assistant
3. int.gz ---> opened without calling import assistant
4. No crash on binary files

#### History

##### #1 - 05 Nov 2018 10:21 - juan

- Assignee set to juan

##### #2 - 05 Nov 2018 10:33 - juan

- Assignee deleted (juan)

##### #3 - 30 Nov 2018 19:46 - dmitry

- Description updated

- Assignee set to juan

##### #4 - 07 Dec 2018 12:50 - dmitry

- Target version changed from Sprint 39 to Sprint 40

##### #5 - 20 Dec 2018 15:50 - dmitry

- Category set to Reflectometry

##### #6 - 15 Jan 2019 08:37 - dmitry

- Assignee deleted (juan)

##### #7 - 15 Jan 2019 09:11 - juan

Data import functionality should be tested on "real-life" data, mainly provided by Marina Ganeva. After replacing proprietary data with random numbers, files can be used for functional testing. - DONE

Set of unit tests for ImportAssistant would be also very desirable. - NEED TO EXPAND THE TEST CASES

One also need to make sure (e.g. with unit tests), that the following behavior is fulfilled:

1. ASCII files\* ---> opened in a reasonable time (e.g. <= 1 sec) - DONE (in a performance functional test)
2. int ---> opened without calling import assistant - DONE
3. int.gz ---> opened without calling import assistant - DONE
4. No crash on binary files - DONE

\*STILL TO DO: When trying to open extremely large files (maybe by user mistake) that may not even be related to scattering data, the import

assistant will hang.

A possible solution would be to spawn a separate thread to read the files. This would allow the inclusion of an "abort" button that the user can click to stop the process if the reading is taking long.

**#8 - 22 Feb 2019 11:31 - dmitry**

- *Target version changed from Sprint 40 to Sprint 41*

**#9 - 07 May 2019 17:44 - juan**

- *Status changed from Sprint to Resolved*

- *% Done changed from 0 to 100*