Refine job details not correct?

Mon, 02/05/2018 - 09:38

#1

Leonid Sazanov

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Hi, great software!

I am trying manual refine with different masks, but in Results "job details" of any run always shows that automasking is Yes, while Supplied Mask is Yes when it is actually not supplied, and shows No when it was actually supplied, and Mask ID is 0, although it was not 0 as entered in GUI.

Is that a bug? Is there any way to see actual full log file of the job? Correct mask seems to be used during the run, but it will be nice to be able to see it later as well.

Thanks,

Leonid

timgrant

Hi Leonid,

Yes there is a bug in reading the information back out of the database in the current version - it should be fixed in the next release.

There is no output file from the jobs, everything is just stored in the database, however it is possible to retrieve the information yourself directly from the database using the following scheme :-

1. First you must open your database in sqlite, so run :-

```
sqlite3 name_of_project.db
```

2. Run an sql query, e.g :-

```
select * from refinement_details_***;
```

You must replace *** with the refinement_id number.

Instead of doing `select *` you can just give a comma separated list of the columns you want, e.g :-

```
select SHOULD_USE_SUPPLIED_MASK, OUTSIDE_MASK_WEIGHT,
MASK_FILTER_RESOLUTION from refinement_details_***;
```

I have listed all the columns in refinement_details below, you can select from them or If you select *, then the columns returned are in the order below.

Cheers,

Tim

List of columns :-

CLASS_NUMBER

REFERENCE_VOLUME_ASSET_ID

LOW_RESOLUTION_LIMIT

HIGH_RESOLUTION_LIMIT

MASK_RADIUS

SIGNED_CC_RESOLUTION_LIMIT

GLOBAL_RESOLUTION_LIMIT

GLOBAL_MASK_RADIUS

NUMBER_RESULTS_TO_REFINE

ANGULAR_SEARCH_STEP

SEARCH_RANGE_X

SEARCH_RANGE_Y

CLASSIFICATION_RESOLUTION_LIMIT

SHOULD_FOCUS_CLASSIFY

SPHERE_X_COORD

SPHERE_Y_COORD

SPHERE_Z_COORD

SPHERE_RADIUS

SHOULD_REFINE_CTF

DEFOCUS_SEARCH_RANGE

DEFOCUS_SEARCH_STEP

AVERAGE_OCCUPANCY

ESTIMATED_RESOLUTION

RECONSTRUCTED_VOLUME_ASSET_ID

RECONSTRUCTION_ID

SHOULD_AUTOMASK

SHOULD_REFINE_INPUT_PARAMS

SHOULD_USE_SUPPLIED_MASK

MASK_ASSET_ID

MASK_EDGE_WIDTH

OUTSIDE_MASK_WEIGHT

SHOULD_LOWPASS_OUTSIDE_MASK

MASK_FILTER_RESOLUTION

Mon, 02/05/2018 - 12:19 <u>(Reply to #2)</u>

Leonid Sazanov

Great, thanks a lot, that

Great, thanks a lot, that helps!

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