



STRUCTURAL
BIOLOGY

Volume 80 (2024)

Supporting information for article:

***EMinsight*: a tool to capture cryoEM microscope configuration and experimental outcomes for analysis and deposition**

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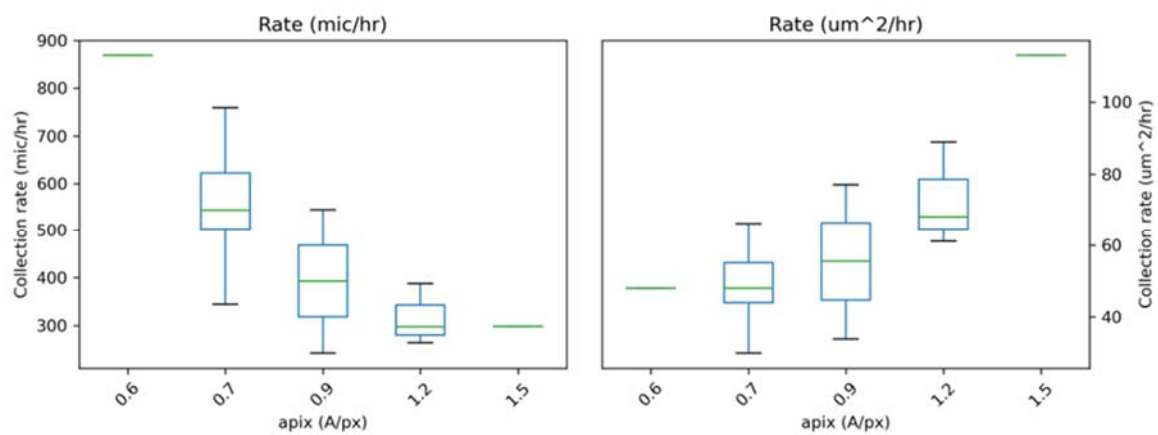


Figure S1 The collection performance in mic/hr and um²/hr for three Titan Krios microscopes with Falcon 4i and Selectris X camera/filter systems.

S1. EMinsight session report example

The following report is produced by EMinsight describing a single SPA cryoEM experiment at the instrument performance level.

https://github.com/kylelmorris/EMinsight/blob/publication/expected_outputs/single_session/EMinsight/report/Supervisor_20230919_140141_84_bi23047-106_grid1/Supervisor_20230919_140141_84_bi23047-106_grid1_session.pdf

S1.1. EMinsight processed report example

The following report is produced by EMinsight describing a single SPA cryoEM experiment at the analytical performance level.

https://github.com/kylelmorris/EMinsight/blob/publication/expected_outputs/single_session/EMinsight/report/Supervisor_20230919_140141_84_bi23047-106_grid1/Supervisor_20230919_140141_84_bi23047-106_grid1_processed.pdf

S2. Supplemental files

S2.1. EMinsight single session expected outputs

The following are representative of the files that are produced by EMinsight to store metadata on a single SPA cryoEM experiment and are referenced to produce the PDF reports

S2.1.1. Collated data files

https://github.com/kylelmorris/EMinsight/tree/publication/expected_outputs/single_session/EMinsight/csv

S2.1.2. Deposition files

https://github.com/kylelmorris/EMinsight/tree/publication/expected_outputs/single_session/EMinsight/dep

S2.2. EMinsight multi session expected outputs

The following are representative of the files that are produced by EMinsight to store metadata on a multiple SPA cryoEM experiments

S2.2.1. Multisession collated data files

https://github.com/kylelmorris/EMinsight/tree/publication/expected_outputs/global/csv