



JOURNAL OF
SYNCHROTRON
RADIATION

Volume 29 (2022)

Supporting information for article:

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Implementing and Evaluating Far-Field 3D X-Ray Diffraction at the I12 JEEP Beamline, Diamond Light Source

James A. D. Ball^{a,b}, Anna Kareer^c, Oxana V. Magdysyuk^b, Stefan Michalik^b, Anastasia Vrettou^a, Neal Parkes^a, Thomas Connolley^b, and David M. Collins *^a

^aSchool of Metallurgy and Materials, University of Birmingham, Edgbaston, Birmingham B15 2TT, United Kingdom

^bDiamond Light Source Ltd., Harwell Science and Innovation Campus, Didcot OX11 0DE, United Kingdom

^cDepartment of Materials, University of Oxford, Oxford, OX1 3PH, United Kingdom

Supplementary Content

The table below lists each software package that was used in the data analysis of 3DXRD data collected from the I12 beamline, Diamond Light Source.

Table 1: Software package usage in data analysis process.

| Software package | Reference | Usage |
|------------------|-----------------------------------|--|
| ImageD11 | Wright (2020) | Peak searching, merging, cleaning |
| xfab | Sørensen <i>et al.</i> (2021) | Orientation error determination |
| GrainSpotter | Schmidt (2014) | Initial index |
| FitAllB | Oddershede <i>et al.</i> (2010) | Refinement of lattice parameter and strain |
| numpy | Harris <i>et al.</i> (2020) | All stages |
| pandas | McKinney (2010) | Internal database management |
| matplotlib | Hunter (2007) | Graph plotting |
| pymicro | Proudhon (2021) | Grain tracking |
| scipy | Virtanen <i>et al.</i> (2020) | Letterbox stitching |
| h5py | Collette <i>et al.</i> (2021) | Detector image processing |
| Pillow | Van Kemenade <i>et al.</i> (2021) | Detector image processing |
| fabio | Knudsen <i>et al.</i> (2013) | Detector image processing |
| jsmin | de Jager (2021) | Processing input files |
| MTEX | Bachmann <i>et al.</i> (2010) | Grain volume distribution |

*d.m.collins@bham.ac.uk

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