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Supporting information for article:

Correction and integration of solid-angle data from the azimuthally resolving 2D detector at ID06-LVP, ESRF

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S1. Example script for correction, with integration and output of azimuthally resolving 2D and 1D datasets from the 900k-W detector output

Necessary raw data and script can be obtained from <https://zenodo.org/record/7957395>. See also the azimuthal correction file 'yi5142sup2.html' in the online supporting information for this paper.

S2. Changes required for backwards compatibility of Detection Technology datasets, when one single image (of 512 lines) is output per full rotation

```
filename = "Y:/inhouse/2015/run1/lab6/512x1536.tif"          #full data
dark="Y:/inhouse/2015/run1/dk/dk_1536x512.tif"             #dark
frames = fabio.open(filename).data
dk = fabio.open(dark).data
frames=frames-dk                                           #subtracted

rows_dir = 'C:/temp/rows'                                  #junk directory for W
if not os.path.exists(rows_dir):
    os.makedirs(rows_dir)

for i, frame in enumerate(frames):                          # frame indexing
    img = numpy.broadcast_to(frame, (2, frame.shape[-1])) #2X height
    edf = fabio.edfimage.EdfImage(data=img)
    edf.save(f'{rows_dir}/[filename base]{i:03d}.edf')     #output
```

where the *[filename base]* matches the glob request in subsequent cells.