

Data in “Probing magnetism in 2D materials at the nanoscale with single spin microscopy”

Data.xlsx

Figure	Data Sheets	Notes
Fig1	Fig1C	2-D plot
	Fig1D	2-D plot
Fig2	Fig2A	1-D plot (bottom panel) + 2-D plot (top panel)
	Fig2B	1-D plot (bottom panel) + 2-D plot (top panel)
	Fig2C	1-D plot (bottom panel) + 2-D plot (top panel)
Fig3	Fig3A	2-D plot
	Fig3B	2-D plot
	Fig3C	2x 1-D plots
	Fig3D	2x 1-D plots
Fig4	Fig4A	2-D plot
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FigS1	FigS1B	1-D plot
FigS2	FigS2	1-D plot
FigS3	FigS3F	1-D plot
FigS6	FigS6A	2-D plot
	FigS6B	2-D plot
	FigS6C	2-D plot
	FigS6D	2-D plot
	FigS6E	2-D plot
FigS7	FigS7A	2-D plot
	FigS7B	2-D plot
FigS9	FigS9	3x 1-D plot

Matlab Code

MzFromBNV.m (requires kvalues.m):

Code used for the reverse propagation of the measured magnetic stray field maps to magnetisation maps as described in the SOM “REVERSE PROPAGATION OF MAGNETISATION”

NVZeemanShiftFromMagnetizedSampleEdge.m:

Code used to calculate the induced Zeeman shift of an NV center scanning across an edge of a homogeneously, out-of-plane magnetized 2D sample as described in the SOM “ANALYTICAL FITS FOR MAGNETISATION DETERMINATION”