Data for the paper:

Title

* Monolayer-to-thin-film transition in supramolecular assemblies: the role of topological protection

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These folders include the data used in the images in the main paper. Further data can be obtained on request from the authors. The data are organised into folders corresponding to each figure, as listed below:

**Figure 1:**

* TMA STM image (panel a): *tma\_graphene.093*
* TPA STM image (panel d): *tpa\_graphene.116*

**Figure 2:**

* Diffraction Intensity modulation graph (panel g): *Delta\_I\_Modulation.txt, Delta\_I\_Modulation\_Error.txt, Film\_Thickness.txt, Film\_Thickness\_Error.txt*
* Diffraction Intensity Profile graph (panel f): *Profile\_TMA\_15s.txt, Profile\_TMA\_1min.txt, Profile\_TMA\_6min.txt, Profile\_TMA\_18min.txt, Relative\_Angle.txt*
* Film Thickness graph (panel e): *Deposition\_Time.txt, Film\_Thickness.txt, Film\_Thickness\_Error.txt*
* TEM diffraction patterns (panels a1,b1,c1,d1): *TMA\_15s\_diffraction\_pattern.dm3, TMA\_1min\_diffraction\_pattern.dm3, TMA\_6min\_diffraction\_pattern.dm3, TMA\_18min\_diffraction\_pattern.dm3*
* TEM low mag images (panels a2,b2,c2,d2): *TMA\_15s\_low\_mag\_image.dm3, TMA\_1min\_low\_mag\_image.dm3, TMA\_6min\_low\_mag\_image.dm3, TMA\_18min\_low\_mag\_image.dm3*

**Figure 3:**

* TMA HRTEM image (panel a): *TMA\_15s\_HRTEM.dm3*

**Figure 4:**

* TMA simulation image (panel a): *Image\_simulation.tiff*
* TPA reconstruction image (panel b): *Reconstruction\_Image.png*

**Figure 5:**

* Diffraction Intensity modulation graph (panel g): *Delta\_I\_Modulation.txt, Delta\_I\_Modulation\_Error.txt, Film\_Thickness.txt, Film\_Thickness\_Error.txt*
* Diffraction Intensity Profile graph (panel f): *Profile\_TPA\_15s.txt, Profile\_TPA\_1min.txt, Profile\_TPA\_6min.txt, Profile\_TPA\_18min.txt, Relative\_Angle.txt*
* Film Thickness graph (panel e): *Deposition\_Time.txt, Film\_Thickness.txt, Film\_Thickness\_Error.txt*
* TEM diffraction patterns (panels a1,b1,c1,d1): *TPA\_15s\_diffraction\_pattern.dm3, TPA\_1min\_diffraction\_pattern.dm3, TPA\_6min\_diffraction\_pattern.dm3, TPA\_18min\_diffraction\_pattern.dm3*
* TEM low mag images (panels a2,b2,c2,d2): *TPA\_15s\_low\_mag\_image.dm3, TPA\_1min\_low\_mag\_image.dm3, TPA\_6min\_low\_mag\_image.dm3, TPA\_18min\_low\_mag\_image.dm3*