

# Supplemental Information: Exploring Limits of Coherence on Ptychography.

September 1, 2026

## S1 Equations governing ptychographic imaging experiment employing a zone plate geometry formulated under Fourier Optics Framework

Using Fourier optics framework to simulate ptychographic imaging experiment under partial coherence, incoming plane waves from various points on the source initially interact with the Fresnel's zone plate, central beam stop ensemble. The exit wave emerging from this will propagate further till it reaches the order sorting aperture (**OSA**). The exit wave emerging after interacting with OSA will further propagate to sample ultimately reaching the detector positioned in the far-field regime. The observed intensity will be the summation of all the intensities of all the point source contributions. Equations 1a - 1f showcase the aforementioned process.

$$\psi'_{m,n}(X, Y) = \psi_{m,n}(X, Y) \Gamma_{fzp+cb}, \quad (1a)$$

$$\psi^{nf1}_{m,n}(X, Y) = NF_{prop}(\psi'_{m,n}(X, Y), Z1_{nf}), \quad (1b)$$

$$\psi^{nf2}_{m,n}(X, Y) = NF_{prop}(\psi^{nf1}_{m,n}(X, Y) \Gamma_{OSA}, Z2_{nf}), \quad (1c)$$

$$\psi^{ff}_{m,n}(X, Y) = F_{prop}(\psi^{nf2}_{m,n}(X, Y) \Gamma_{Samp}, Z_{ff}), \quad (1d)$$

$$I^{ff}_{m,n}(q_x, q_y) = |\psi^{ff}_{m,n}(X, Y)|^2, \quad (1e)$$

$$I^{ff}_{obs}(q_x, q_y) = \sum_m \sum_n \left| I^{ff}_{m,n}(q_x, q_y) \right|^2. \quad (1f)$$

<sup>16</sup> **S2** Horizontal and vertical slits employed to model Young's  
<sup>17</sup> double slit interference patterns.

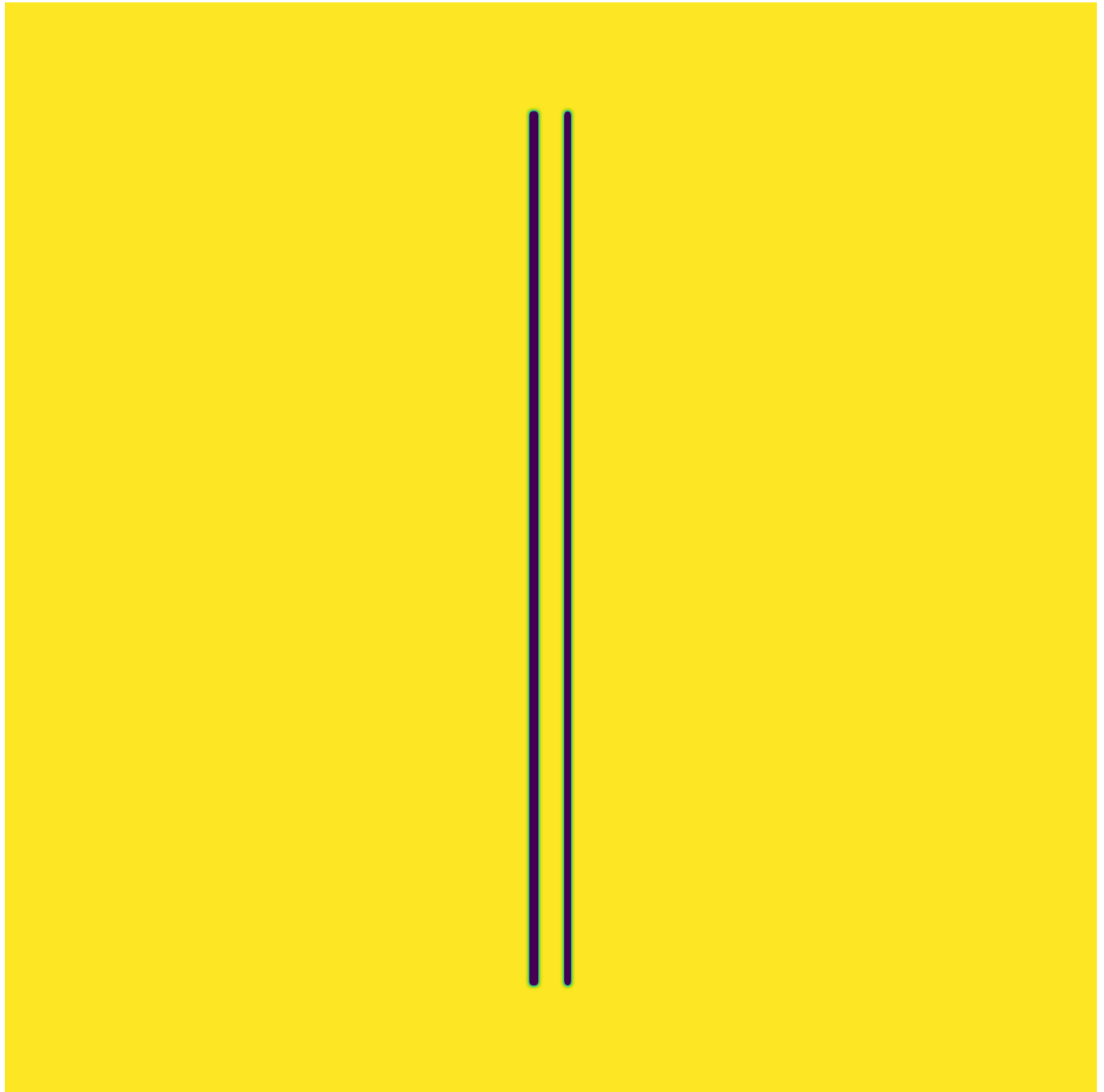


Fig. S1: Modeled Horizontal Slits.

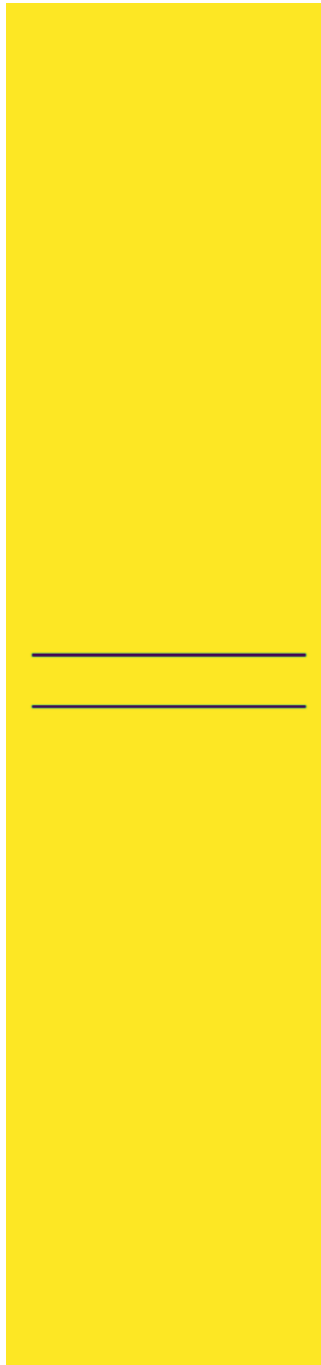


Fig. S2: Modeled vertical Slits.

# S3 Two Dimensional Fourier Optics Model (2DFOM) Vs One Dimensional Detector Space Model (1DDSM)

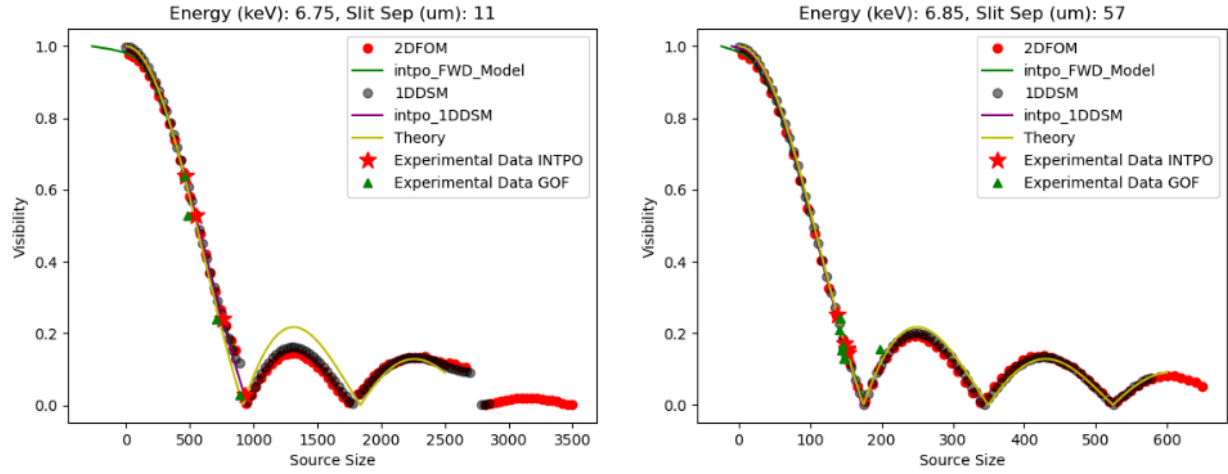


Fig. S3: Plots showing source size vs visibility carried out employing 2DFOM vs 1DDSM. One can see excellent agreement between both the models.

## S4 Reconstruction error under partial coherence conditions caused by an asymmetric source

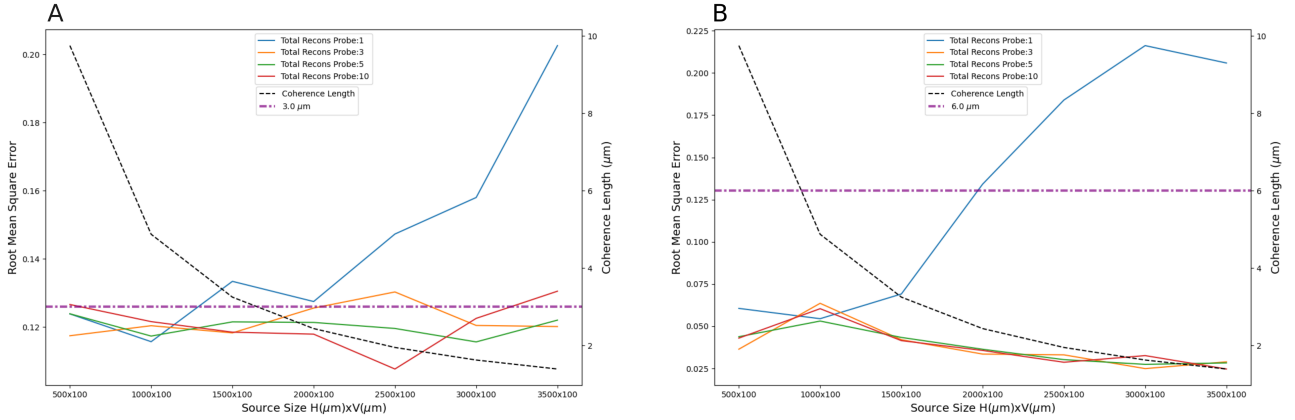


Fig. S4: Figure showing root mean square error of the reconstructed object vs source size used to generate the data, the plot also hosts coherence length vs source size. The plot contains multiple curves each plotted while varying the number of probe modes used in the reconstruction. A shows the plot for 3  $\mu\text{m}$  pinhole, B shows the same for 6  $\mu\text{m}$ . Unlike the case where source is symmetric (Fig 4, main manuscript), one can see that the error doesn't monotonically increase with increase in coherence length once the length breaches the confining optic's extent. The error is much more robust compared to its symmetric counterpart, the error however increases after a certain point. Similar to its symmetric counterpart, employing higher probe modes mitigates these effects.

## S5 Effects of employing multiple probe modes on the quality Ptychographic reconstructions under partial coherence conditions.

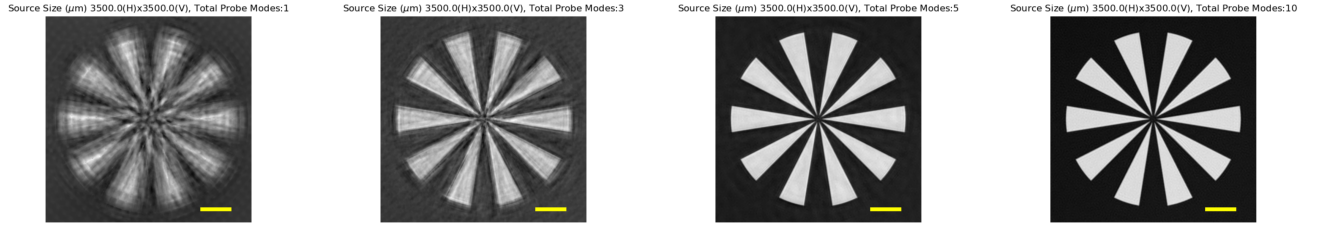


Fig. S5: Effects of employing multiple probe modes on the quality Ptychographic reconstructions under partial coherence conditions. These reconstructions pertain to datasets generated in the context of simulating the effects of coherence on ptychography.

## 25 S6 Feedback from alignment camera.

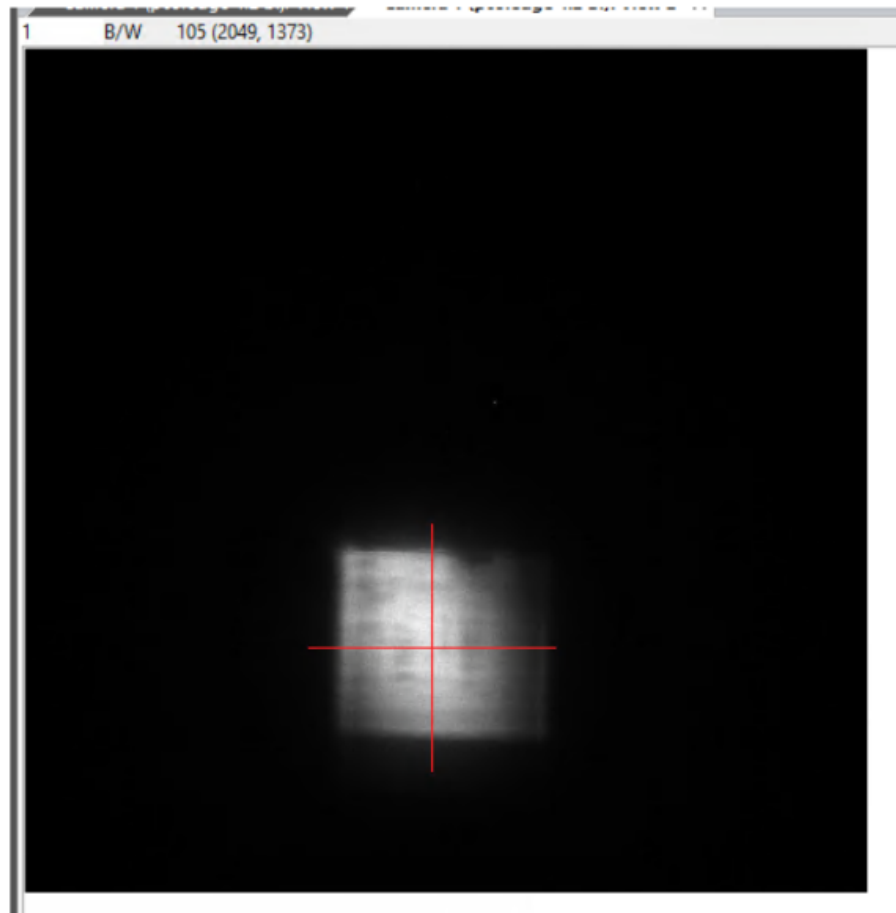


Fig. S6: Image of the sample as seen from the alignment (PCO, scintillator) camera as seen under direct beam.

26 **S7** SEM images of Sample at multiple scales with correla-  
 27 tion to ptychographic imaging at various geometries.

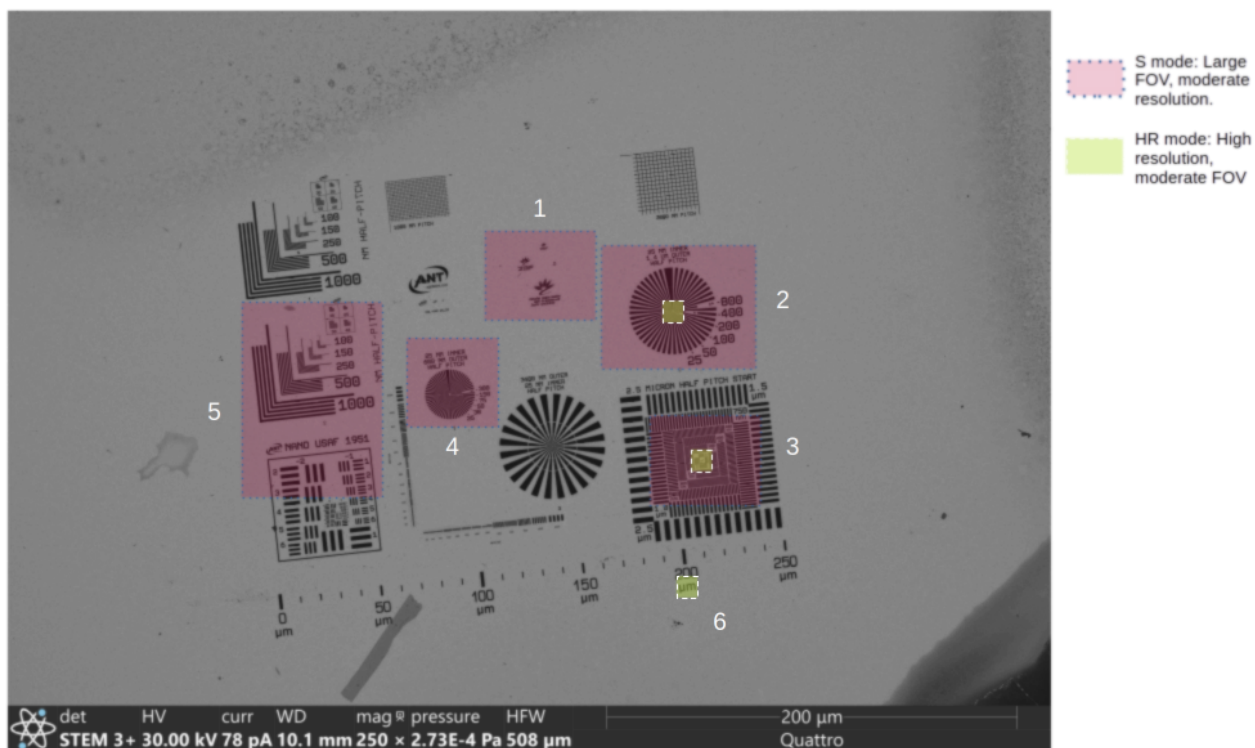


Fig. S7: Figure showing SEM image of the imaging phantom. The areas highlighted under pink has been imaged employing S-mode ptychography. The areas highlighted under yellow have been imaged employing HR-mode ptychography.

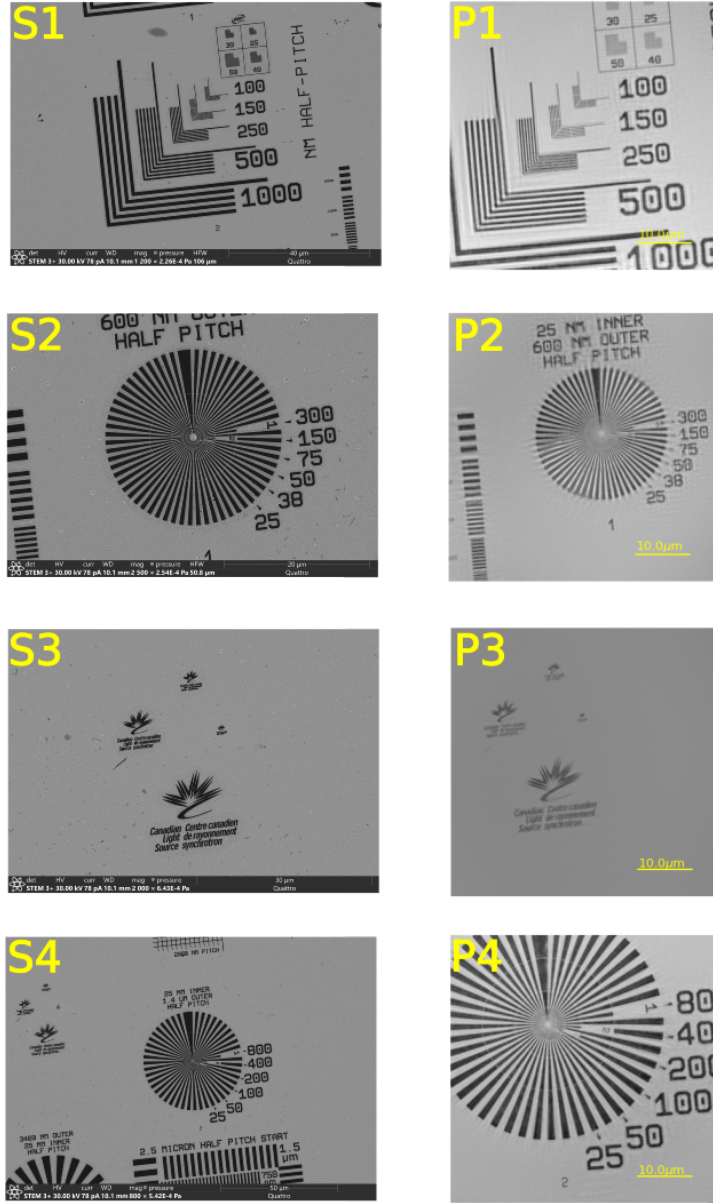


Fig. S8: Figure showing SEM and X-ray S-mode Ptychography reconstructions carried out on various regions of interest on sample. **S** series showcase SEM images while **P** series showcase ptychographic reconstructions.

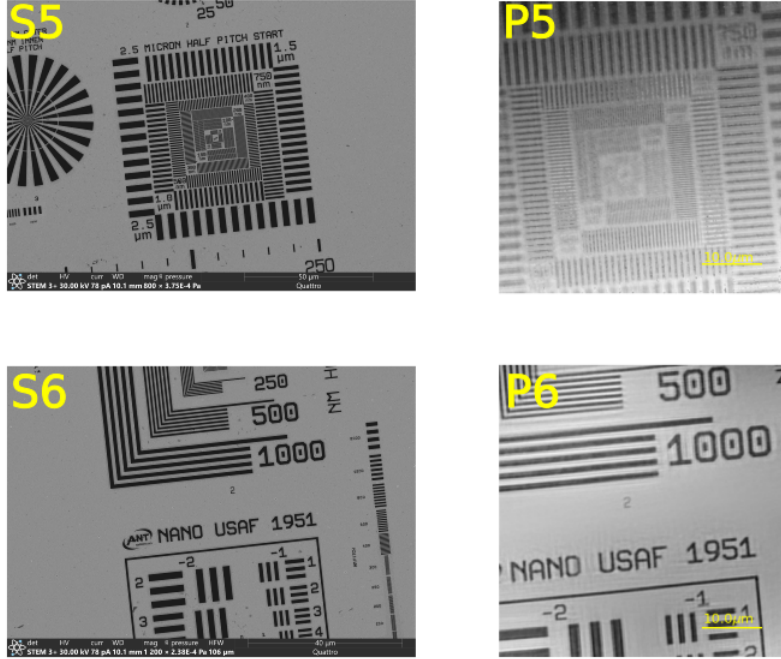


Fig. S9: Figure showing SEM and X-ray S-mode Ptychography reconstructions carried out on various regions of interest on sample. **S** series showcase SEM images while **P** series showcase ptychographic reconstructions.

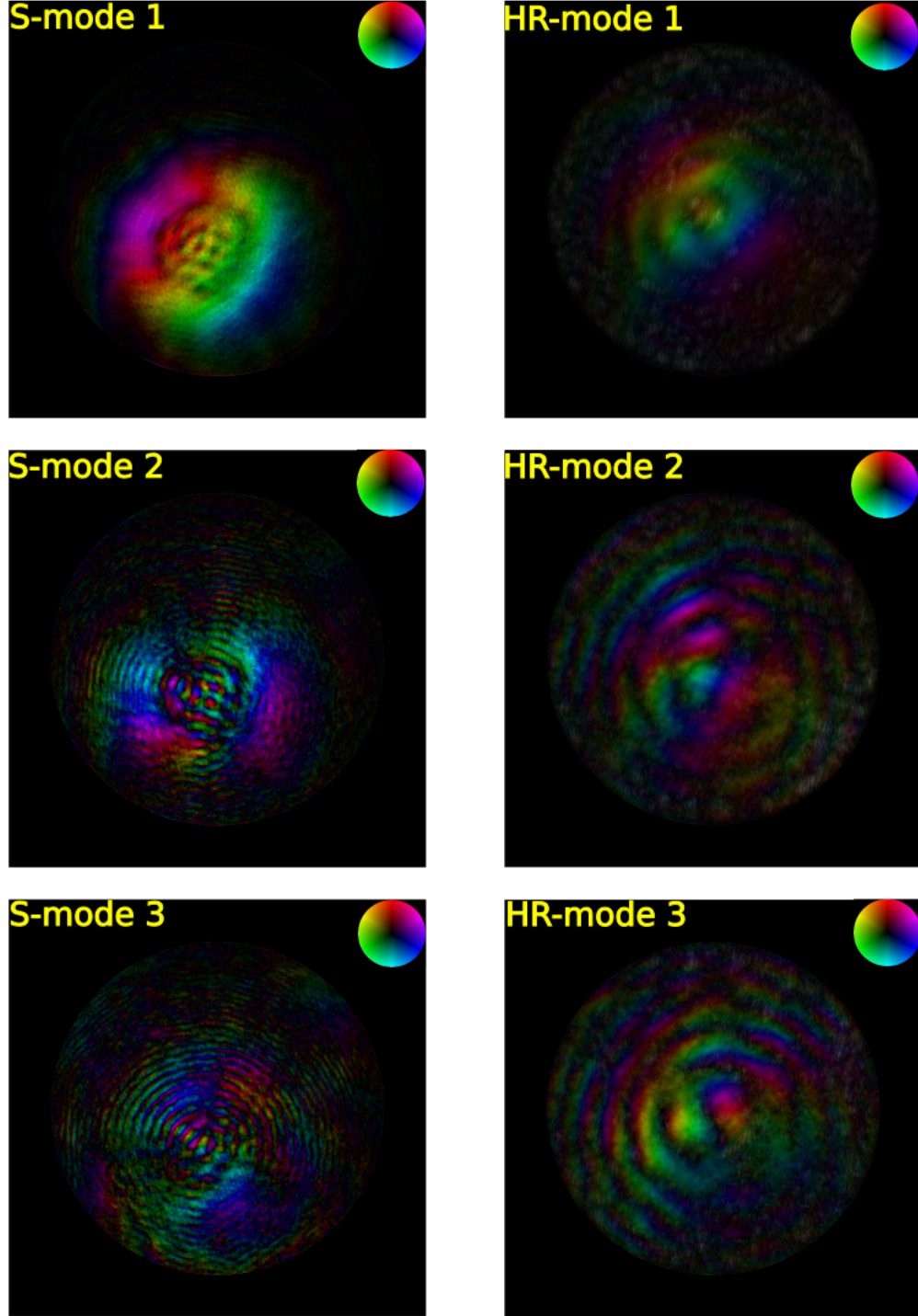


Fig. S10: Figure showing the first 3 eigen modes of orthogonalized probe function ordered in terms of their power. The colour wheel shown in this figure represents the complex probe function in its compound form where the intensity of the pixel is proportional to the amplitude and hue to its phase. The probe shown in the S-mode corresponds to the reconstruction shown in Fig S8 P3 and the one shown in HR-mode corresponds to reconstruction shown in Fig 5A.



29 **S9 SEM Imaging of Pin Holes.**

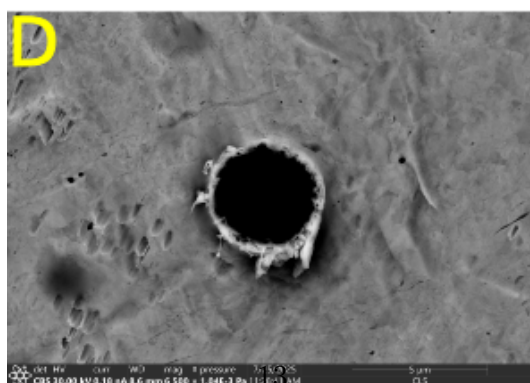
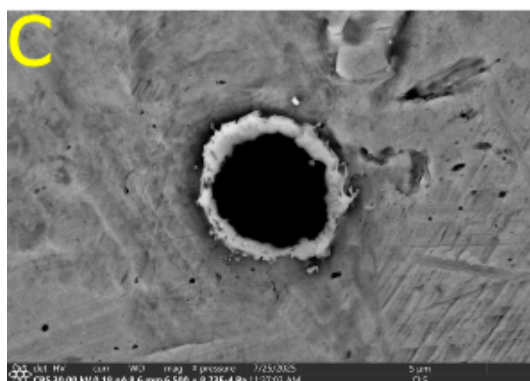
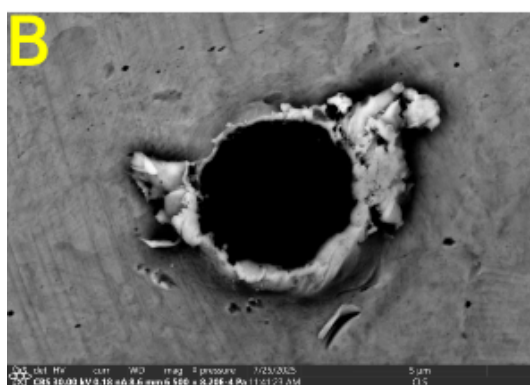
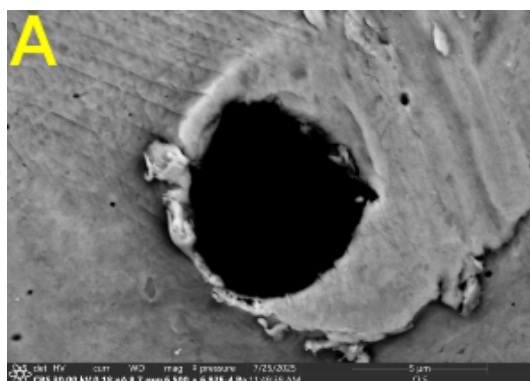


Fig. S11: SEM images of the pin holes employed to conduct X-ray ptychography.

| Sno          | Recons Name                                                       | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|--------------|-------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 1            | S20240125205645_25<br>6x256_lambda_DM                             | 71.70                  | 5.70              | 55.00                              | 3           | 150           | 0.05                      | 256           | 150           | 387416.00        | 2        |
| 2            | S20240125205645_25<br>6x256_sml_probe_fal<br>se_fr1x0.5_01supp_DM | 71.70                  | 5.70              | 55.00                              | 5           | 75            | 0.50                      | 256           | 75            | 387416.00        | 2        |
| 3            | S20240125205645_51<br>2x512_lambda_DM                             | 35.85                  | 5.70              | 55.00                              | 3           | 150           | 0.05                      | 512           | 150           | 387416.00        | 2        |
| 4            | S20240125225428_25<br>6x256_lambda_DM                             | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 428069.00        | 2        |
| 5            | S20240125225428_25<br>6x256_lambda_ML                             | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 428069.00        | 2        |
| 6            | S20240125225428_51<br>2x512_lambda_DM                             | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 428069.00        | 2        |
| 7 <b>P6</b>  | S20240125225428_51<br>2x512_lambda_ML                             | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 428069.00        | 2        |
| 8            | S20240126133232_25<br>6x256_lambda_ff_add<br>_ext_DM              | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671532.00        | 2        |
| 9            | S20240126133232_25<br>6x256_lambda_ff_add<br>_ext_ML              | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671532.00        | 2        |
| 10           | S20240126133232_25<br>6x256_lambda_sanit<br>y_DM                  | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671532.00        | 2        |
| 11           | S20240126133232_25<br>6x256_lambda_sanit<br>y_ML                  | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671532.00        | 2        |
| 12           | S20240126133232_51<br>2x512_lambda_5_fr1<br>x_DM                  | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.50                      | 512           | 500           | 1529571.00       | 2        |
| 13 <b>P2</b> | S20240126133232_51<br>2x512_lambda_5_fr1<br>x_ML                  | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.50                      | 512           | 500           | 1529571.00       | 2        |
| 14           | S20240126151824_10<br>24x1024_opti_2um3p<br>robe_DM               | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 265283.53        | 2        |
| 15           | S20240126151824_10<br>24x1024_opti_2um3p<br>robe_ML               | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 265283.53        | 2        |

Table 1: Reconstruction Parameters, Experimental Datasets. (Part 1 of 16)

| Sno          | Recons Name                                                       | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|--------------|-------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 16           | S20240126151824_1024x1024_opti_2um_probe_DM                       | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 265283.53        | 2        |
| 17           | S20240126151824_256x256_lambda_05_frlx_DM                         | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 680360.00        | 2        |
| 18           | S20240126151824_256x256_lambda_05_frlx_ML                         | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 680360.00        | 2        |
| 19           | S20240126151824_512x512_lambda_05_frlx_DM                         | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 265283.53        | 2        |
| 20           | S20240126151824_512x512_lambda_05_frlx_ML                         | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 265283.53        | 2        |
| 21           | S20240126151824_512x512_opti_6um_probe_10pr_DM                    | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 265283.53        | 2        |
| 22 <b>P1</b> | S20240126151824_512x512_opti_6um_probe_10pr_ML                    | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 265283.53        | 2        |
| 23           | S20240126173920_1024x1024_6um_pr.nd_5frlx_1nv_mask_off_DM         | 17.78                  | 5.65              | 55.00                              | 3           | 300           | 0.50                      | 1024          | 300           | 270536.44        | 2        |
| 24           | S20240126173920_1024x1024_opti_2um3probe_01frlx_DM                | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.01                      | 1024          | 500           | 270536.44        | 2        |
| 25           | S20240126173920_1024x1024_opti_2um3probe_01frlx_ML                | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.01                      | 1024          | 500           | 270536.44        | 2        |
| 26           | S20240126173920_1024x1024_opti_2um3probe_5frlx_DM                 | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.50                      | 1024          | 500           | 270536.44        | 2        |
| 27           | S20240126173920_1024x1024_opti_2um3probe_5frlx_ML                 | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.50                      | 1024          | 500           | 270536.44        | 2        |
| 28           | S20240126173920_1024x1024_opti_2um3probe_0001frlx_inv_mask_off_DM | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.001                     | 1024          | 500           | 270536.44        | 2        |
| 29 <b>P3</b> | S20240126173920_1024x1024_opti_2um3probe_0001frlx_inv_mask_off_ML | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.001                     | 1024          | 500           | 270536.44        | 2        |
| 30           | S20240126173920_1024x1024_opti_2um3probe_0005frlx_inv_mask_off_DM | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.01                      | 1024          | 500           | 270536.44        | 2        |

Table 2: Reconstruction Parameters, Experimental Datasets. (Part 2 of 16)

| Sno | Recons Name                                                        | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|--------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 31  | S20240126173920.1024x1024_opti_2um3probe_0_005frlx_inv_mask_off_ML | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.01                      | 1024          | 500           | 270536.44        | 2        |
| 32  | S20240126173920.1024x1024_opti_2um3probe_0_05frlx_inv_mask_off_DM  | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 33  | S20240126173920.1024x1024_opti_2um3probe_0_05frlx_inv_mask_off_ML  | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 34  | S20240126173920.1024x1024_opti_2um3probe_0_5frlx_inv_mask_off_DM   | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.50                      | 1024          | 500           | 270536.44        | 2        |
| 35  | S20240126173920.1024x1024_opti_2um3probe_0_5frlx_inv_mask_off_ML   | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.50                      | 1024          | 500           | 270536.44        | 2        |
| 36  | S20240126173920.1024x1024_opti_2um3probe_D_M                       | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 37  | S20240126173920.1024x1024_opti_2um3probe_in_v_mask_off_DM          | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 38  | S20240126173920.1024x1024_opti_2um3probe_M_L                       | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 39  | S20240126173920.1024x1024_opti_2um-probe_D_M                       | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 270536.44        | 2        |
| 40  | S20240126173920.1536x1536_opti_2um3probe_0_1frlx_DM                | 11.85                  | 5.65              | 55.00                              | 3           | 500           | 0.01                      | 1536          | 500           | 270536.44        | 2        |
| 41  | S20240126173920.1536x1536_opti_2um3probe_D_M                       | 11.85                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1536          | 500           | 270536.44        | 2        |
| 42  | S20240126173920.256x256_lambda_05_frlx_DM                          | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 676174.00        | 2        |
| 43  | S20240126173920.256x256_lambda_05_frlx_ML                          | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 676174.00        | 2        |
| 44  | S20240126173920.512x512_lambda_05_frlx_DM                          | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |
| 45  | S20240126173920.512x512_lambda_05_frlx_ML                          | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |

Table 3: Reconstruction Parameters, Experimental Datasets. (Part 3 of 16)

| Sno          | Recons Name                                            | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|--------------|--------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 46           | S20240126173920_51<br>2x512_opti_2um_pro<br>be_DM      | 35.56                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |
| 47           | S20240126173920_51<br>2x512_opti_2um_pro<br>be_ML      | 35.56                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |
| 48           | S20240126173920_51<br>2x512_opti_6um_pro<br>be_10pr_DM | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |
| 49           | S20240126173920_51<br>2x512_opti_6um_pro<br>be_10pr_ML | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 270536.44        | 2        |
| 50           | S20240126203219_10<br>24x1024_opti_2um3p<br>robe_DM    | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 273493.09        | 2        |
| 51 <b>P4</b> | S20240126203219_10<br>24x1024_opti_2um3p<br>robe_ML    | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 273493.09        | 2        |
| 52           | S20240126203219_10<br>24x1024_opti_2um_p<br>robe_DM    | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 273493.09        | 2        |
| 53           | S20240126203219_25<br>6x256_lambda_.05_frl<br>x_DM     | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 273493.09        | 2        |
| 54           | S20240126203219_25<br>6x256_lambda_.05_frl<br>x_ML     | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 273493.09        | 2        |
| 55           | S20240126203219_51<br>2x512_opti_2um_pro<br>be_DM      | 35.56                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 273493.09        | 2        |
| 56           | S20240126203219_51<br>2x512_opti_6um_pro<br>be_10pr_DM | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 273493.09        | 2        |
| 57           | S20240126203219_51<br>2x512_opti_6um_pro<br>be_10pr_ML | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 273493.09        | 2        |
| 58           | S20240126203219_25<br>6x256_lambda_.05_frl<br>x_DM     | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671033.00        | 2        |
| 59           | S20240127001419_25<br>6x256_lambda_.05_frl<br>x_ML     | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671033.00        | 2        |

Table 4: Reconstruction Parameters, Experimental Datasets. (Part 4 of 16)

| Sno          | Recons Name                                    | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|--------------|------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 60           | S20240127005452_256x2_56_lambda_.05_frlx_DM    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671128.00        | 2        |
| 61           | S20240127005452_256x2_56_lambda_.05_frlx_ML    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 671128.00        | 2        |
| 62 <b>P5</b> | S20240127081832_1024x1024_opti_2um-probe_DM    | 17.78                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 1024          | 500           | 240026.27        | 2        |
| 63           | S20240127081832_128x128_opti_2um-probe_DM      | 142.24                 | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 128           | 500           | 240026.27        | 2        |
| 64           | S20240127081832_128x128_opti_2um-probe_ML      | 142.24                 | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 128           | 500           | 240026.27        | 2        |
| 65           | S20240127081832_256x2_56_lambda_.05_frlx_DM    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 240026.27        | 2        |
| 66           | S20240127081832_256x2_56_lambda_.05_frlx_ML    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 240026.27        | 2        |
| 67           | S20240127081832_512x512_lambda_2um-probe_DM    | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 68           | S20240127081832_512x512_lambda_2um-probe_ML    | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 69           | S20240127081832_512x512_opti_2um-probe_DM      | 35.56                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 70           | S20240127081832_512x512_opti_2um-probe_ML      | 35.56                  | 5.65              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 71           | S20240127081832_512x512_opti_6um-probe_10pr_DM | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 72           | S20240127081832_512x512_opti_6um-probe_10pr_ML | 35.56                  | 5.65              | 55.00                              | 10          | 500           | 0.05                      | 512           | 500           | 240026.27        | 2        |
| 73           | S20240127100508_256x2_56_lambda_.05_frlx_DM    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 1015567.00       | 2        |
| 74           | S20240127100508_256x2_56_lambda_.05_frlx_ML    | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 1015567.00       | 2        |

Table 5: Reconstruction Parameters, Experimental Datasets. (Part 5 of 16)

| Sno | Recons Name                                   | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|-----------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 75  | S20240127105706_256x2_56.lambda_.05_frlx_DM   | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 970424.00        | 2        |
| 76  | S20240127105706_256x2_56.lambda_.05_frlx_ML   | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 970424.00        | 2        |
| 77  | S20240127140730_256x2_56.lambda_.05_frlx_DM   | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 673868.00        | 2        |
| 78  | S20240127140730_256x2_56.lambda_.05_frlx_ML   | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 673868.00        | 2        |
| 79  | S20240127144851_256x2_56.lambda_.05_frlx_ML   | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 675999.00        | 2        |
| 80  | S20240127204314_256x2_56.lambda_.2um_probe_DM | 26.42                  | 2.10              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 42070.96         | 2        |
| 81  | S20240127204314_256x2_56.lambda_.2um_probe_ff | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 42070.96         | 2        |
| 82  | S20240127204314_256x2_56.lambda_.2um_probe_ff | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 42070.96         | 2        |
| 83  | S20240127204314_256x2_56.lambda_.2um_probe_ML | 26.42                  | 2.10              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 42070.96         | 2        |
| 84  | S20240127225512_128x1_28.lambda_.2um_probe_DM | 143.40                 | 5.70              | 55.00                              | 3           | 25            | 0.05                      | 128           | 25            | 89584.40         | 5        |
| 85  | S20240127225512_128x1_28.lambda_.2um_probe_ML | 143.40                 | 5.70              | 55.00                              | 3           | 25            | 0.05                      | 128           | 500           | 89584.40         | 5        |
| 86  | S20240127225512_256x2_56.lambda_.2um_probe_DM | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89584.40         | 5        |
| 87  | S20240127225512_256x2_56.lambda_.2um_probe_ff | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89584.40         | 5        |
| 88  | S20240127225512_256x2_56.lambda_.2um_probe_ff | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89584.40         | 5        |
| 89  | S20240127225512_256x2_56.lambda_.2um_probe_ML | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89584.40         | 5        |

Table 6: Reconstruction Parameters, Experimental Datasets. (Part 6 of 16)

| Sno | Recons Name                                              | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|----------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 90  | S20240127225512_512x512_lambda_2um-probe-DM              | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 89584.40         | 5        |
| 91  | S20240127225512_512x512_lambda_2um-probe-ff add_primp_DM | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 89584.40         | 5        |
| 92  | S20240127225512_512x512_lambda_2um-probe-ff add_primp_ML | 35.85                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 89584.40         | 5        |
| 93  | S20240127144851_256x256_master_DM                        | 71.70                  | 5.70              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 675999.00        | 5        |
| 94  | S20240127204314_256x256_lambda_master_DM                 | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 42070.96         | 5        |
| 95  | S20240128045403_256x256_lambda_2um-probe-ff add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 102735.20        | 5        |
| 96  | S20240128045403_256x256_lambda_2um-probe-ff add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 102735.20        | 5        |
| 97  | S20240128045403_512x512_lambda_2um-probe-ff add_primp_DM | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 102735.20        | 5        |
| 98  | S20240128045403_512x512_lambda_2um-probe-ff add_primp_ML | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 102735.20        | 5        |
| 99  | S20240128122712_256x256_lambda_2um-probe-ff add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 101644.47        | 5        |
| 100 | S20240128122712_256x256_lambda_2um-probe-ff add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 101644.47        | 5        |
| 101 | S20240128152130_256x256_lambda_2um-probe-ff add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89516.30         | 5        |
| 102 | S20240128152130_256x256_lambda_2um-probe-ff add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 89516.30         | 5        |
| 103 | S20240128174610_256x256_lambda_2um-probe-ff add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 78801.09         | 5        |
| 104 | S20240128174610_256x256_lambda_2um-probe-ff add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 78801.09         | 5        |

Table 7: Reconstruction Parameters, Experimental Datasets. (Part 7 of 16)

| Sno | Recons Name                                                     | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|-----------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 105 | S20240128183401_256x2<br>56.lambda.2um-probe.ff<br>add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 98220.80         | 5        |
| 106 | S20240128183401_256x2<br>56.lambda.2um-probe.ff<br>add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 98220.80         | 5        |
| 107 | S20240128183401_512x5<br>12.lambda.2um-probe.ff<br>add_primp_DM | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 98220.80         | 5        |
| 108 | S20240128183401_512x5<br>12.lambda.2um-probe.ff<br>add_primp_ML | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 98220.80         | 5        |
| 109 | S20240128190850_256x2<br>56.lambda.2um-probe.ff<br>add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 103886.92        | 5        |
| 110 | S20240128190850_256x2<br>56.lambda.2um-probe.ff<br>add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 103886.92        | 5        |
| 111 | S20240128190850_512x5<br>12.lambda.2um-probe.ff<br>add_primp_DM | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 103886.92        | 5        |
| 112 | S20240128190850_512x5<br>12.lambda.2um-probe.ff<br>add_primp_ML | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 103886.92        | 5        |
| 113 | S20240128194304_256x2<br>56.lambda.2um-probe.ff<br>add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 102852.10        | 5        |
| 114 | S20240128194304_256x2<br>56.lambda.2um-probe.ff<br>add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 102852.10        | 5        |
| 115 | S20240128194304_512x5<br>12.lambda.2um-probe.ff<br>add_primp_DM | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 102852.10        | 5        |
| 116 | S20240128194304_512x5<br>12.lambda.2um-probe.ff<br>add_primp_ML | 13.46                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 512           | 500           | 102852.10        | 5        |
| 117 | S20240128201755_256x2<br>56.lambda.2um-probe.ff<br>add_primp_DM | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 104489.72        | 5        |
| 118 | S20240128201755_256x2<br>56.lambda.2um-probe.ff<br>add_primp_ML | 26.92                  | 2.14              | 55.00                              | 3           | 500           | 0.05                      | 256           | 500           | 104489.72        | 5        |

Table 8: Reconstruction Parameters, Experimental Datasets. (Part 8 of 16)

| Sno | Recons Name                                                              | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|--------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 119 | S20240128201755_512x512_1ambda_2um_probe_ffadd_prip.DM                   | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 104489.72        | 5        |
| 120 | S20240128201755_512x512_1ambda_2um_probe_ffadd_prip.ML                   | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 104489.72        | 5        |
| 121 | S20240128205718_1024x1024_opti_2um_probe_10pr.DM                         | 6.73                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1024          | 200           | 1032222.12       | 5        |
| 122 | S20240128205718_1024x1024_opti_2um_probe_10pr.ML                         | 6.73                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1024          | 500           | 1032222.12       | 5        |
| 123 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.DM                  | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.05                      | 1024          | 500           | 1032222.12       | 5        |
| 124 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.001_IPM.F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 500           | 1032222.12       | 5        |
| 125 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.001_IPM.F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 2500          | 1032222.12       | 5        |
| 126 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.005_IPM.F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 500           | 1032222.12       | 5        |
| 127 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.005_IPM.F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 500           | 1032222.12       | 5        |
| 128 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.005_IPM.F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 2500          | 1032222.12       | 5        |
| 129 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.005_IPM.F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 2500          | 1032222.12       | 5        |
| 130 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.01_DM        | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.01                      | 1024          | 500           | 1032222.12       | 5        |
| 131 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.5_DM         | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.01                      | 1024          | 2500          | 1032222.12       | 5        |
| 132 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.5_ML         | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.5                       | 1024          | 500           | 1032222.12       | 5        |
| 133 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.frlx.0.5_DM         | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.5                       | 1024          | 2500          | 1032222.12       | 5        |
| 134 | S20240128205718_1024x1024_opti_2um_probe_2500ML_1opr.ML                  | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.05                      | 1024          | 2500          | 1032222.12       | 5        |
| 135 | S20240128205718_1024x1024_opti_2um_probe_2500ML_3pr.frlx.0.001_IPM.F_DM  | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.001                     | 1024          | 500           | 1032222.12       | 5        |

Table 9: Reconstruction Parameters, Experimental Datasets. (Part 9 of 16)

| Sno | Recons Name                                                              | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|--------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 136 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.001_IPM.F.ML | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.001                     | 1024          | 2500          | 1032222.12       | 5        |
| 137 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.005_IPM.F.DM | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.005                     | 1024          | 500           | 1032222.12       | 5        |
| 138 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.005_IPM.F.ML | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.005                     | 1024          | 2500          | 1032222.12       | 5        |
| 139 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.01_DM        | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 500           | 1032222.12       | 5        |
| 140 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.01_DM        | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 2500          | 1032222.12       | 5        |
| 141 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.05_DM        | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 500           | 1032222.12       | 5        |
| 142 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.05_DM        | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 2500          | 1032222.12       | 5        |
| 143 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.5_DM         | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.5                       | 1024          | 500           | 1032222.12       | 5        |
| 144 | S20240128205718_1024x1024_opti.2um-probe_2500ML_3 pr.frlx.0.5_DM         | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.5                       | 1024          | 2500          | 1032222.12       | 5        |
| 145 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.001_IPM.F.DM | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.001                     | 1024          | 500           | 1032222.12       | 5        |
| 146 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.001_IPM.F.ML | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.001                     | 1024          | 2500          | 1032222.12       | 5        |
| 147 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.005_IPM.F.DM | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.005                     | 1024          | 500           | 1032222.12       | 5        |
| 148 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.005_IPM.F.ML | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.005                     | 1024          | 2500          | 1032222.12       | 5        |
| 149 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.01_DM        | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 500           | 1032222.12       | 5        |
| 150 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.01_DM        | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 2500          | 1032222.12       | 5        |
| 151 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.05_DM        | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.05                      | 1024          | 500           | 1032222.12       | 5        |
| 152 | S20240128205718_1024x1024_opti.2um-probe_2500ML_5 pr.frlx.0.05_DM        | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.05                      | 1024          | 2500          | 1032222.12       | 5        |

Table 10: Reconstruction Parameters, Experimental Datasets. (Part 10 of 16)

| Sno         | Recons Name                                                              | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-------------|--------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 153         | S20240128205718_1024x1024_opti_2um-probe_2500ML-5pr.frlx.0.5_DM          | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.5                       | 1024          | 500           | 103222.12        | 5        |
| 154         | S20240128205718_1024x1024_opti_2um-probe_2500ML-5pr.frlx.0.5_ML          | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.5                       | 1024          | 2500          | 103222.12        | 5        |
| 155         | S20240128205718_1024x1024_opti_2um-probe_DM                              | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 500           | 103222.12        | 5        |
| 156         | S20240128205718_1024x1024_opti_2um-probe_ML                              | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 500           | 103222.12        | 5        |
| 157         | S20240128205718_128x128_opti_2um-probe_DM                                | 53.84                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 128           | 500           | 103222.12        | 5        |
| 158         | S20240128205718_128x128_opti_2um-probe_ML                                | 53.84                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 128           | 500           | 103222.12        | 5        |
| 159         | S20240128205718_1536x1536_opti_2um-probe_01frlx-DM                       | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1536          | 500           | 103222.12        | 5        |
| 160         | S20240128205718_1536x1536_opti_2um-probe_01frlx-ML                       | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1536          | 500           | 103222.12        | 5        |
| 161         | S20240128205718_1536x1536_opti_2um-probe_10pr-DM                         | 4.49                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1536          | 200           | 103222.12        | 5        |
| 162         | S20240128205718_1536x1536_opti_2um-probe_10pr-ML                         | 4.49                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1536          | 500           | 103222.12        | 5        |
| 163         | S20240128205718_1536x1536_opti_2um-probe_DM                              | 4.49                   | 2.14              | 55.00                              | 3           | 200.00        | 0.05                      | 1536          | 200           | 103222.12        | 5        |
| 164         | S20240128205718_1536x1536_opti_2um-probe_ML                              | 4.49                   | 2.14              | 55.00                              | 3           | 200.00        | 0.05                      | 1536          | 500           | 103222.12        | 5        |
| 165         | S20240128205718_256x256_ambda_2um-probe_ffadd-pri-mp-DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 103222.12        | 5        |
| 166         | S20240128205718_256x256_ambda_2um-probe_ffadd-pri-mp-ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 103222.12        | 5        |
| 167         | S20240128205718_512x512_ambda_2um-probe_ffadd-pri-mp-DM                  | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 103222.12        | 5        |
| 168         | S20240128205718_512x512_ambda_2um-probe_ffadd-pri-mp-ML                  | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 103222.12        | 5        |
| 169         | S20240129001258_1024x1024_opti_2um-probe_2500ML-10pr.frlx.0.001_IPM.F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 500           | 94058.36         | 5        |
| 170 Fig 5 A | S20240129001258_1024x1024_opti_2um-probe_2500ML-10pr.frlx.0.001_IPM.F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 2500          | 94058.36         | 5        |
| 171         | S20240129001258_256x256_ambda_2um-probe_ffadd-pri-mp-DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 94058.36         | 5        |

Table 11: Reconstruction Parameters, Experimental Datasets. (Part 11 of 16)

| Sno | Recons Name                                                                    | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|--------------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 172 | S20240129001258_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 94058.36         | 5        |
| 173 | S20240129001258_512x512.o<br>pti.2um_probe.2500ML_10p<br>r.frkx.0.001_IPM.F_DM | 13.46                  | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 512           | 500           | 94058.36         | 5        |
| 174 | S20240129001258_512x512.o<br>pti.2um_probe.2500ML_10p<br>r.frkx.0.001_IPM.F_ML | 13.46                  | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 512           | 2500          | 94058.36         | 5        |
| 175 | S20240129005828_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 39261.69         | 2        |
| 176 | S20240129005828_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 39261.69         | 2        |
| 177 | S20240129020651_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 37468.50         | 5        |
| 178 | S20240129020651_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 37468.50         | 5        |
| 179 | S20240129021950_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 37660.87         | 5        |
| 180 | S20240129021950_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 37660.87         | 5        |
| 181 | S20240129023311_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 92029.00         | 5        |
| 182 | S20240129023311_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 92029.00         | 5        |
| 183 | S20240129025604_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 91367.14         | 5        |
| 184 | S20240129025604_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 91367.14         | 5        |
| 185 | S20240129032711_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 63307.43         | 5        |
| 186 | S20240129032711_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 63307.43         | 5        |
| 187 | S20240129035551_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 94909.73         | 5        |
| 188 | S20240129035551_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_ML                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 94909.73         | 5        |
| 189 | S20240129042020_256x256.l<br>ambda.2um_probe.ffadd-pri<br>mp_DM                | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 86841.78         | 5        |

Table 12: Reconstruction Parameters, Experimental Datasets. (Part 12 of 16)

| Sno         | Recons Name                                                                      | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-------------|----------------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 190         | S20240129042020_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 86841.78         | 5        |
| 191         | S20240129044319_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 62869.37         | 5        |
| 192         | S20240129044319_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 62869.37         | 5        |
| 193         | S20240129050339_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 63261.72         | 5        |
| 194         | S20240129050339_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 63261.72         | 5        |
| 195         | S20240129052401_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 27106.45         | 5        |
| 196         | S20240129052401_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 27106.45         | 5        |
| 197         | S20240129053603_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 29998.61         | 5        |
| 198         | S20240129053603_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 29998.61         | 5        |
| 199         | S20240129054648_1024x102<br>4_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 500           | 30215.73         | 5        |
| 200         | S20240129054648_1024x102<br>4_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 2500          | 30215.73         | 5        |
| 201         | S20240129054648_1536x153<br>6_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_DM | 4.49                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1536          | 500           | 30215.73         | 5        |
| 202         | S20240129054648_1536x153<br>6_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_ML | 4.49                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1536          | 2500          | 30215.73         | 5        |
| 203         | S20240129054648_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 30215.73         | 5        |
| 204         | S20240129054648_256x256.1<br>ambda_2um_probe_ffadd_pri<br>mp_ML                  | 26.92                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 256           | 500           | 30215.73         | 5        |
| 205         | S20240129055645_1024x102<br>4_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 500           | 74549.41         | 5        |
| 206 Fig 5 B | S20240129055645_1024x102<br>4_opti_2um_probe_2500ML_1<br>0pr_frnx_0.001_IPM_F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 2500          | 74549.41         | 5        |
| 207         | S20240129055645_512x512.1<br>ambda_2um_probe_ffadd_pri<br>mp_DM                  | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 74549.41         | 5        |

Table 13: Reconstruction Parameters, Experimental Datasets. (Part 13 of 16)

| Sno | Recons Name                                                              | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|--------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 208 | S20240129055645_512x512_1anhda_2um_probe_ffadd-primp_ML                  | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 74549.41         | 5        |
| 209 | S20240129055645_512x512_0pti_2um-probe_2500ML_10p_r_frlx_0.001_IPM_F_DM  | 13.46                  | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 512           | 500           | 74549.41         | 5        |
| 210 | S20240129055645_512x512_0pti_2um-probe_2500ML_10p_r_frlx_0.001_IPM_F_ML  | 13.46                  | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 512           | 2500          | 74549.41         | 5        |
| 211 | S20240129063325_1024x1024_opti_2um-probe_10pr_DM                         | 6.73                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1024          | 200           | 103114.80        | 7        |
| 212 | S20240129063325_1024x1024_opti_2um-probe_10pr_ML                         | 6.73                   | 2.14              | 55.00                              | 10          | 200.00        | 0.05                      | 1024          | 500           | 103114.80        | 7        |
| 213 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_DM                  | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.05                      | 1024          | 500           | 103114.80        | 7        |
| 214 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.001_IPM_F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 500           | 103114.80        | 7        |
| 215 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.001_IPM_F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.001                     | 1024          | 2500          | 103114.80        | 7        |
| 216 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.005_IPM_F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 500           | 103114.80        | 7        |
| 217 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.005_IPM_F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 500           | 103114.80        | 7        |
| 218 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.005_IPM_F_DM | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 2500          | 103114.80        | 7        |
| 219 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.005_IPM_F_ML | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.005                     | 1024          | 2500          | 103114.80        | 7        |
| 220 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.01_DM        | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.01                      | 1024          | 500           | 103114.80        | 7        |
| 221 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.01_ML        | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.01                      | 1024          | 2500          | 103114.80        | 7        |
| 222 | S20240129063325_1024x1024_opti_2um-probe_2500ML_10pr_frlx_0.5_DM         | 6.73                   | 2.14              | 55.00                              | 10          | 500.00        | 0.5                       | 1024          | 500           | 103114.80        | 7        |
| 223 | S20240129063325_1024x1024_opti_2um-probe_2500ML_3pr_frlx_0.001_IPM_F_DM  | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.001                     | 1024          | 500           | 103114.80        | 7        |
| 224 | S20240129063325_1024x1024_opti_2um-probe_2500ML_3pr_frlx_0.001_IPM_F_ML  | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.001                     | 1024          | 2500          | 103114.80        | 7        |

Table 14: Reconstruction Parameters, Experimental Datasets. (Part 14 of 16)

| Sno | Recons Name                                                                     | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|---------------------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 225 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.005_IP<br>M_F_DM | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 500           | 103114.80        | 7        |
| 226 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.005_IP<br>M_F_ML | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 2500          | 103114.80        | 7        |
| 227 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.01_DM            | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 500           | 103114.80        | 7        |
| 228 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.01_ML            | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1024          | 2500          | 103114.80        | 7        |
| 229 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.05_DM            | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 500           | 103114.80        | 7        |
| 230 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.05_ML            | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 2500          | 103114.80        | 7        |
| 231 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.5_DM             | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.50                      | 1024          | 500           | 103114.80        | 7        |
| 232 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_3pr_frlx_0.5_ML             | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.50                      | 1024          | 2500          | 103114.80        | 7        |
| 233 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.001_IP<br>M_F_DM | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.00                      | 1024          | 500           | 103114.80        | 7        |
| 234 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.001_IP<br>M_F_ML | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.00                      | 1024          | 2500          | 103114.80        | 7        |
| 235 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.005_IP<br>M_F_DM | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 500           | 103114.80        | 7        |
| 236 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.005_IP<br>M_F_ML | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 2500          | 103114.80        | 7        |
| 237 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.01_DM            | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 500           | 103114.80        | 7        |
| 238 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.01_ML            | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.01                      | 1024          | 2500          | 103114.80        | 7        |
| 239 | S20240129063325_1024x1024_opti_2um.probe.25<br>00ML_5pr_frlx_0.05_DM            | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.05                      | 1024          | 500           | 103114.80        | 7        |

Table 15: Reconstruction Parameters, Experimental Datasets. (Part 15 of 16)

| Sno | Recons Name                                                          | Recons Pixel Size (nm) | Samp to Detec (m) | Detec Pixel Size ( $\mu\text{m}$ ) | probe modes | DM Iterations | Fourier Relaxation Factor | Detector Crop | ML Iterations | Max Photon Count | Exp Time |
|-----|----------------------------------------------------------------------|------------------------|-------------------|------------------------------------|-------------|---------------|---------------------------|---------------|---------------|------------------|----------|
| 240 | S20240129063325.1024x1024_opti_2um-probe.25<br>00ML_5pr_frlx_0.05_ML | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.05                      | 1024          | 2500          | 103114.80        | 7        |
| 241 | S20240129063325.1024x1024_opti_2um-probe.25<br>00ML_5pr_frlx_0.5_DM  | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.50                      | 1024          | 500           | 103114.80        | 7        |
| 242 | S20240129063325.1024x1024_opti_2um-probe.25<br>00ML_5pr_frlx_0.5_ML  | 6.73                   | 2.14              | 55.00                              | 5           | 500.00        | 0.50                      | 1024          | 2500          | 103114.80        | 7        |
| 243 | S20240129063325.1024x1024_opti_2um-probe_DM                          | 6.73                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1024          | 500           | 103114.80        | 7        |
| 244 | S20240129063325.1536x1536_opti_2um-probe_0<br>1frlx_DM               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1536          | 500           | 103114.80        | 7        |
| 245 | S20240129063325.1536x1536_opti_2um-probe_0<br>1frlx_ML               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.01                      | 1536          | 500           | 103114.80        | 7        |
| 246 | S20240129063325.1536x1536_opti_2um-probe.15<br>00ML_DM               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 500           | 103114.80        | 7        |
| 247 | S20240129063325.1536x1536_opti_2um-probe.15<br>00ML_ML               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 1500          | 103114.80        | 7        |
| 248 | S20240129063325.1536x1536_opti_2um-probe.20<br>00ML_DM               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 500           | 103114.80        | 7        |
| 249 | S20240129063325.1536x1536_opti_2um-probe.20<br>00ML_ML               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 2000          | 103114.80        | 7        |
| 250 | S20240129063325.1536x1536_opti_2um-probe.25<br>00ML_DM               | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 500           | 103114.80        | 7        |
| 251 | S20240129063325.1536x1536_opti_2um-probe_DM                          | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 500           | 103114.80        | 7        |
| 252 | S20240129063325.1536x1536_opti_2um-probe_ML                          | 4.49                   | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 1536          | 500           | 103114.80        | 7        |
| 253 | S20240129063325.512x512_lambda_2um-probe_ff<br>add_primp_DM          | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 103114.80        | 7        |
| 254 | S20240129063325.512x512_lambda_2um-probe_ff<br>add_primp_ML          | 13.46                  | 2.14              | 55.00                              | 3           | 500.00        | 0.05                      | 512           | 500           | 103114.80        | 7        |

Table 16: Reconstruction Parameters, Experimental Datasets. (Part 16 of 16)