

NOMINAL MAGNIFICATIONS ON TEMS ALPHA, BETA & GAMMA

TEM ALPHA

| Low Mag | Falcon 4 Pixel Size |
|---------|---------------------|
| 40x | 194.31nm |
| 50x | 144.77nm |
| 64x | 120.90nm |
| 81x | 96.42nm |
| 100x | 77.72nm |
| 130x | 61.93nm |
| 165x | 48.21nm |
| 205x | 38.66nm |
| 260x | 30.23nm |
| 320x | 24.26nm |
| 410x | 18.85nm |
| 520x | 14.91nm |
| 660x | 11.83nm |
| 830x | 9.32nm |
| 1050x | 7.47nm |
| 1150x | 6.70nm |

| SA Mag | Falcon 4 Pixel Size |
|----------|---------------------|
| 1700x | 47.0Å |
| 2200x | 36.5Å |
| 2850x | 27.8Å |
| 3800x | 20.8Å |
| 5000x | 15.7Å |
| 6500x | 12.1Å |
| 8700x | 8.9Å |
| 11,000x | 7.1Å |
| 14,000x | 5.5Å |
| 18,000x | 4.3Å |
| 22,500x | 3.4Å |
| 29,000x | 2.7Å |
| 37,000x | 2.1Å |
| 47,000x | 1.6Å |
| 59,000x | 1.3Å |
| 75,000x | 1.0Å |
| 96,000x | 0.82Å |
| 120,000x | 0.65Å |
| 155,000x | 0.51Å |
| 195,000x | 0.40Å |
| 250,000x | 0.31Å |

TEMS BETA & GAMMA

| EFTEM SA Mag | Pixel Size |
|--------------|------------|
| 2,250x | 3.95 nm/px |
| 3,600x | 2.42 nm/px |
| 4,800x | 1.89 nm/px |
| 6,500x | 1.38 nm/px |
| 8,700x | 1.04 nm/px |
| 11,500x | 8.0 Å/px |
| 15,000x | 6.1 Å/px |
| 19,500x | 4.6 Å/px |
| 26,000x | 3.4 Å/px |
| 33,000x | 2.7 Å/px |
| 42,000x | 2.1 Å/px |
| 53,000x | 1.7 Å/px |
| 64,000x | 1.4 Å/px |
| 81,000x | 1.1 Å/px |
| 105kx | 0.86 Å/px |
| 130kx | 0.68 Å/px |
| 165kx | 0.53 Å/px |
| 215kx | 0.41 Å/px |
| 270kx | 0.33 Å/px |