

## Gatan 4K CCD on Polara Magnification Table

Calibrated using negative stain preparation of catalase crystals

April 12 , 2012 by Zongli Li

<b>Nominated Magnification (Screen up/down)</b>	<b>31000 /27500</b>	<b>39000/35000</b>	<b>59000/52000</b>	<b>78000/69000</b>	<b>93000/82000</b>	<b>115000/100000</b>
<b>Picxel size on CCD image</b>	<b>3.74</b>	<b>2.97</b>	<b>1.90</b>	<b>1.50</b>	<b>1.25</b>	<b>1.00</b>
<b>Calibrated Mag on CCD image</b>	<b>40069</b>	<b>50458</b>	<b>78825</b>	<b>99797</b>	<b>120070</b>	<b>149525</b>
<b>Calibrated Mag/nominated Mag</b>	<b>1.2925</b>	<b>1.2938</b>	<b>1.3360</b>	<b>1.2794</b>	<b>1.2911</b>	<b>1.3002</b>

**Note: 1. FEG operated @ 120kV**

**2. Using the spacing of 17.5 nm for calibration**

**3. @ each mag 5 images were taken at different crystals and multiple measurements were performed and the results**

**show here is the average out of those measurements.**