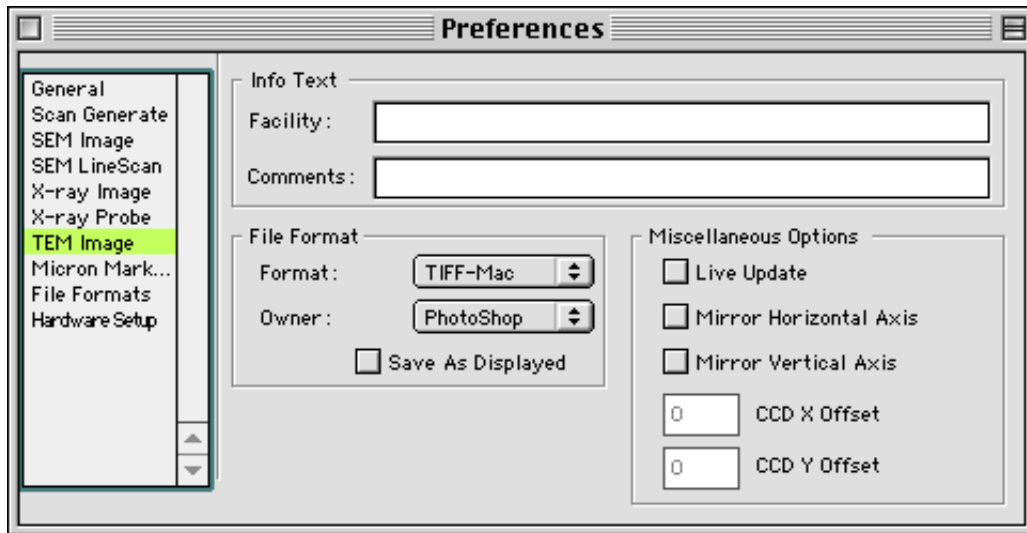


TEM Image Preferences

[\[download as pdf\]](#)

current for: v1.5.6

The TEM Image Preferences panel is shown below:



Other Preferences

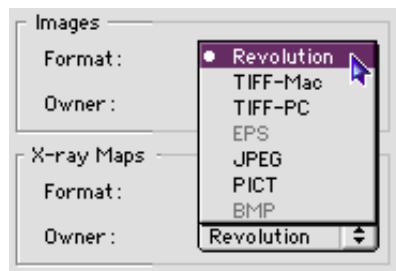
[General](#)
[Scan Generate](#)
[SEM Image](#)
[SEM Linescan](#)
[X-ray Image](#)
[X-ray Probe](#)
• [TEM Image](#) •
[Micron Marker](#)
[File Formats](#)
[Hardware Setup](#)

• *Info Text*

- **Facility.** Field to enter an optional facility name, which will appear as the top line of a three line entry below **all** TEM images. The word "Facility" does not appear in the image, so this could be used as a general comment field if desired. The facility entry will appear only in images acquired after an entry is made, and cannot be edited in Revolution after acquisition.
- **Comments.** Field to enter an optional comment line, which will appear as the bottom line of a three line entry below **all** TEM images. The comments entry will appear only in images acquired after an entry is made, but it can be edited in Revolution after acquisition. Edit the line by right-clicking on the acquired or preview image and select **Edit Comments**. This field can be used to preload the operator name, stub number, etc.

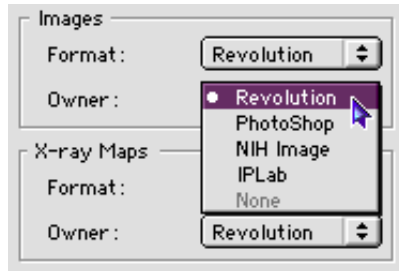
• *File Format*

- **Format.** Allows you to select the type (format) for the saved TEM image files, independently of any other images, x-ray maps, or color phase maps.



- **TIFF-Mac** is TIFF written in big-endian format.
- **TIFF-PC** is TIFF written in little-endian format.
- **EPS** is Encapsulated Postscript, a vector graphics format.
- **JPEG** is the Joint Photographic Experts Group format for compressed images. Recommended for web publishing. The JPEG compression slider allows the user to select the quality of the resulting graphics file.
- **PICT** is the native Macintosh graphics format (not available on Revolution for Windows).
- **BMP** is the native Windows graphics format (not available on Revolution for Macintosh).

- **Owner.** Allows you to select the **owner** for TEM images, independently of any other images, x-ray maps, or color phase maps. Windows uses 3-letter extensions to specify the owner. Macintosh uses an invisible 4-character resource (the creator) to specify the owner.



- **Revolution** is a 4pi-specific creator called 'MBDY'. The equivalent Windows extension is ".mbd".
- **NIH Image** sets the creator to 'Imag' for the program NIH Image. The equivalent Windows extension is unknown.
- **Photoshop** sets the creator to '8BIM' for the program Adobe Photoshop. The equivalent Windows extension is ".ps".
- **IPLab** sets the creator to 'IPLB' for the program IPLab Spectrum. The equivalent Windows extension is unknown.

- **Save as Displayed.** Saves the image to disk exactly as it looks on the computer screen. This is useful if you have applied custom scaling to the raw image data and want to preserve the appearance. **Warning:** *this checkbox will rescale the original data to new values - the original data will be lost!*

- **Miscellaneous Options**

- **Live Update.** Causes the TEM image to be displayed on screen as it is transferred from the CCD camera.
- **Mirror Horizontal Axis.** Reverses the horizontal axis for all TEM images acquired after the checkbox is set.
- **Mirror Vertical Axis.** Reverses the vertical axis for all TEM images acquired after the checkbox is set.
- **CCD Offset.** Sets a row or column offset to avoid guard pixels in the CCD hardware. Values are limited to ± 10 rows/columns. Hold the **option** key (Mac) or **alt** key (Windows) down while opening the TEM Image prefs to access these settings. **Note:** *this value is set as part of the installation procedure and should not be changed without consulting 4pi technical support.*