

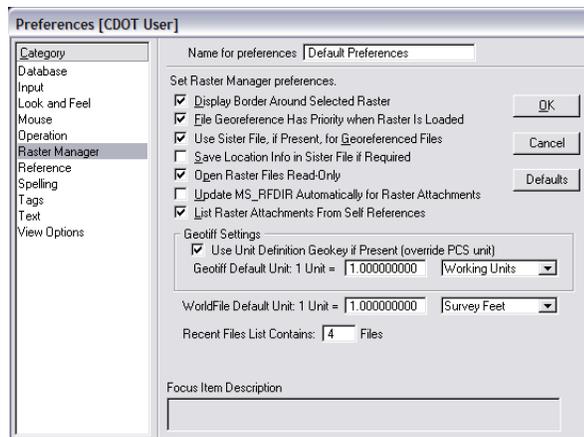
CDOT Using Georeferenced Images in Raster Manager



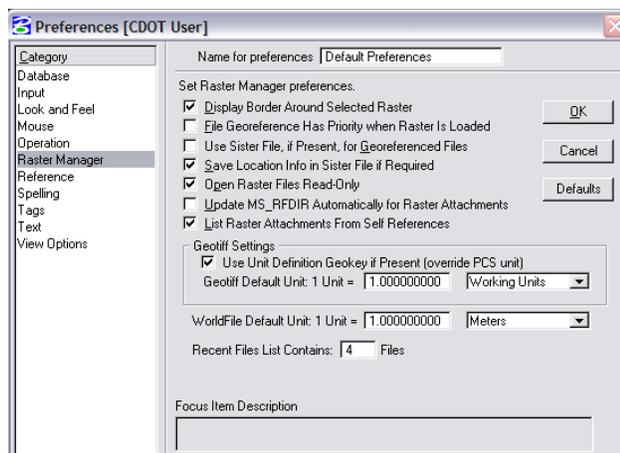
This document guides you through the Raster Manager settings in MicroStation for accurate placement of georeferenced image files. Setting the default Raster Manager preferences (steps 1-9) only needs to be done once. If your Raster Manager preferences have been previously set correctly you may proceed directly to step 10.

Setting the Default Preferences

1. From the MicroStation pull-down menu select **Workspace > Preferences**. The **Preferences** dialog will appear.
2. Select the **Raster Manager** preferences in the Category list in the left pane. If preferences match the picture below preferences are set correctly. Click **OK** and proceed to step 10.

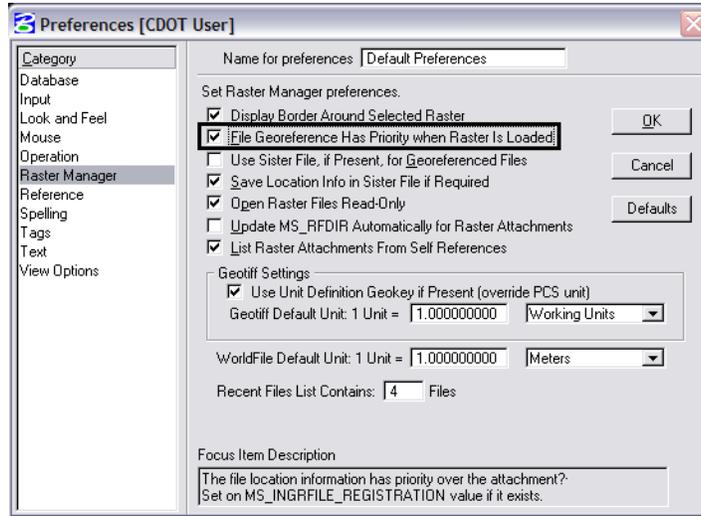


3. If preferences match the figure below follow steps 4-9 for the required changes and a brief explanation of what each change is doing.

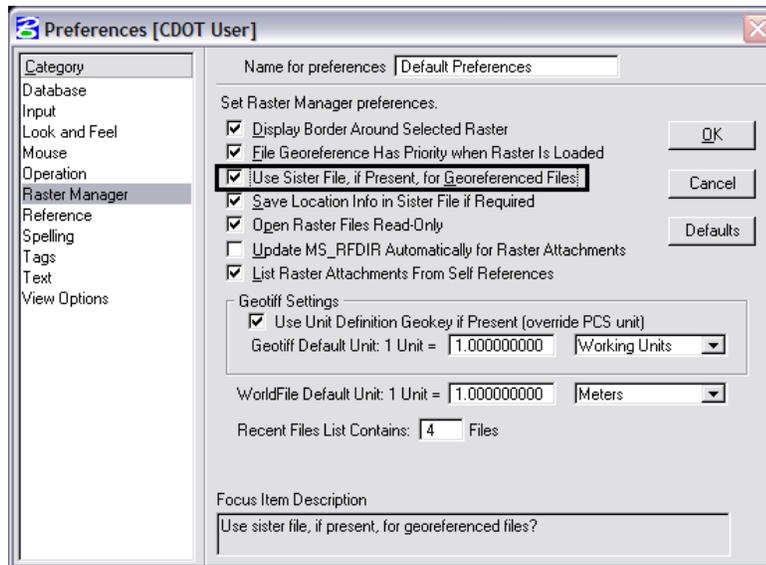


4. Turn on the preference for **File Georeference Has Priority**. With this setting turned on the world file takes precedence over any previous reference attachment information.

CDOT Using Georeferenced Images in Raster Manager.pdf

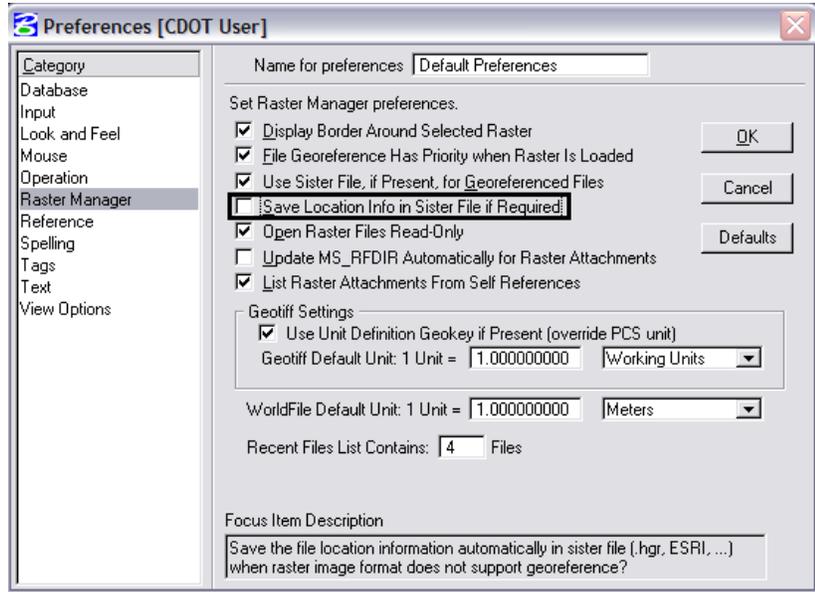


5. Turn on the preference for *Use Sister File*. A sister file is a companion file to the image file that contains placement or georeference information. A world file is one type of sister file. Both .tif and .jpg images will typically require a world file for correct placement.

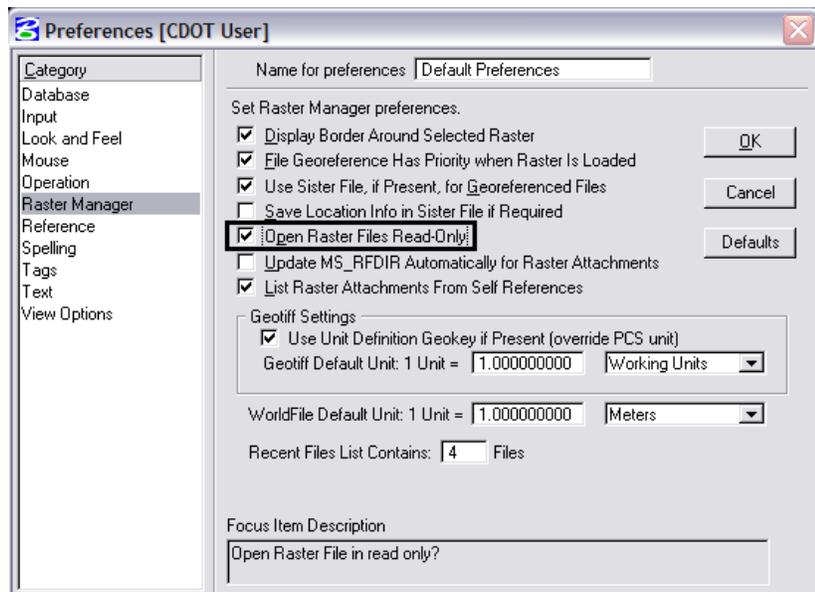


6. Turn off the preference for *Save Location Info in Sister File*. This will guard against accidentally moving the raster image and updating the world file with incorrect coordinates.

CDOT Using Georeferenced Images in Raster Manager.pdf

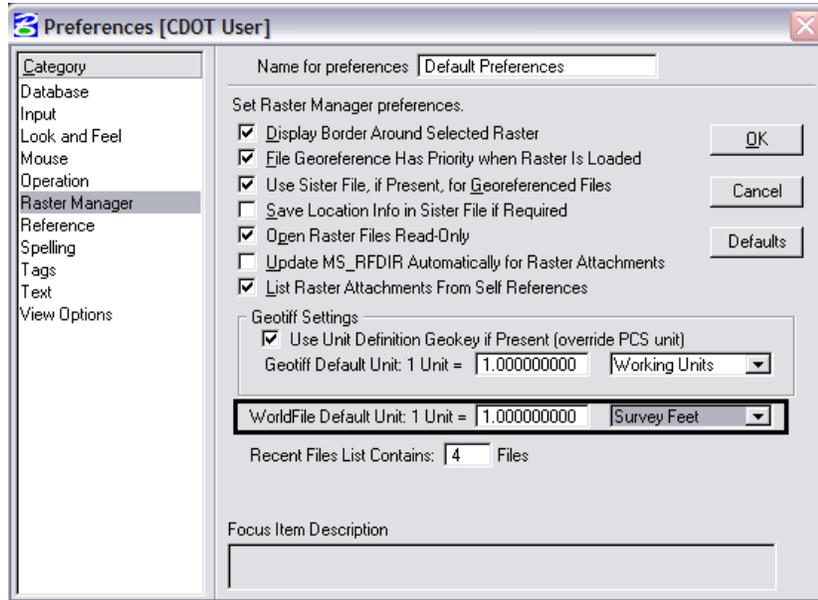


7. The **Open Raster Files Read-Only** preference should typically be kept checked on. Turn this preference off if required to change the contrast and brightness display settings in the images for printing purposes. In some cases changing the display settings has no effect on the printed output if the image is attached read-only.



8. The final preference setting adjustment is for the default world file units. Select **Survey Feet** from the drop-down list so that Raster Manager will interpret the world file units as survey feet instead of meters.

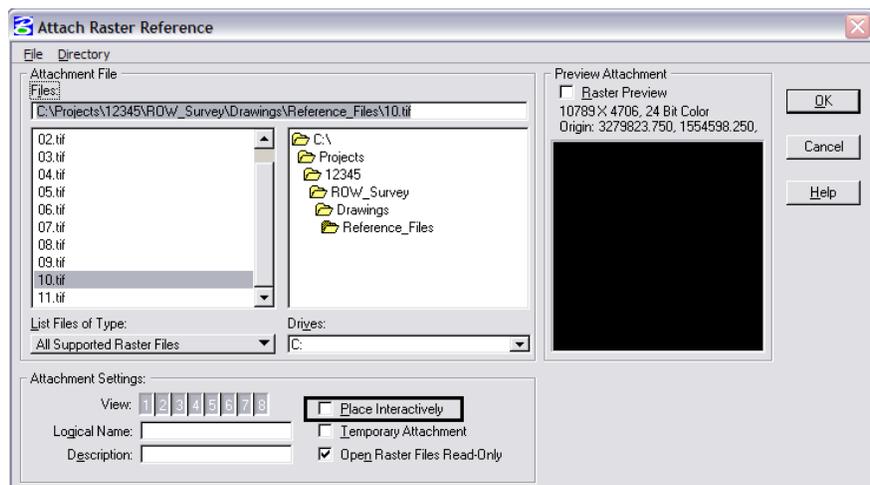
CDOT Using Georeferenced Images in Raster Manager.pdf



- Click on the **OK** button to save these preferences. Once these preferences have been saved they should not have to be updated again.

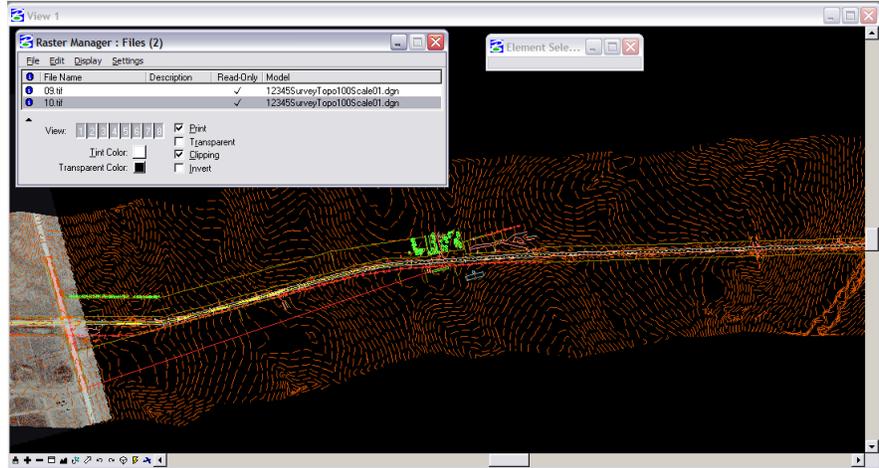
Placing Georeferenced Images

- From the MicroStation pull-down menu select **File > Raster Manager**. The **Raster Manager** dialog will appear.
- From the Raster Manager pull-down menu select **File > Attach**. The **Attach** dialog will appear.
- Browse to the location of the raster image files and select the file(s) to attach.
- It is important that the **Place Interactively** checkbox is unchecked. Click on the **OK** button to attach the image(s).

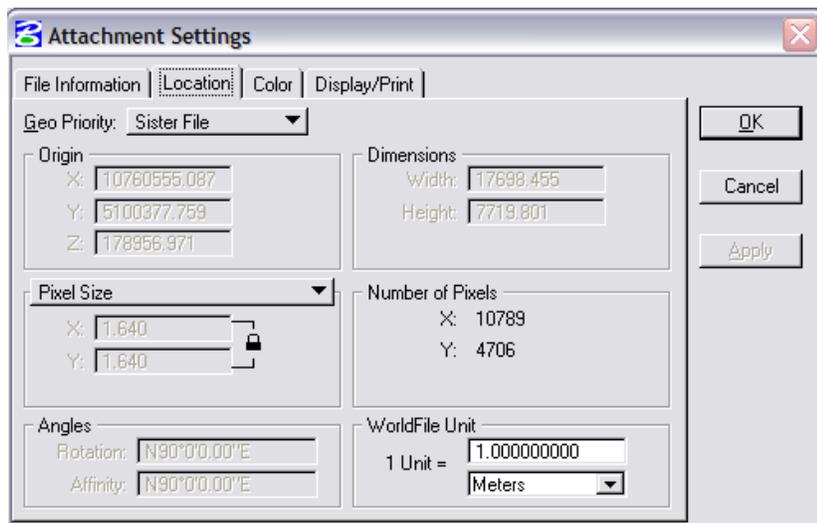


CDOT Using Georeferenced Images in Raster Manager.pdf

14. After attaching the image a **fit view** may be needed to display the image.
15. If the image does not appear in the correct location adjust the placement location.
16. Select the image in the **Raster Manager** dialog box.

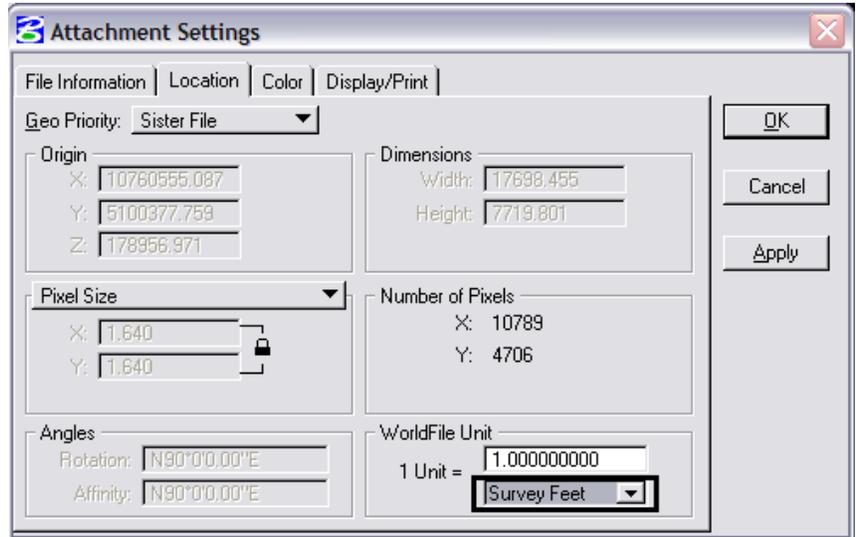


17. From the Raster Manager pull-down menu select **Settings > Attachment**. The **Attachment Settings** dialog will appear.
18. Select the **Location** tab.
19. Verify that the Geo Priority setting is set to **Sister File**, and that the WorldFile Unit setting is correct.



20. Change the **WorldFile Unit** setting if necessary and click on the **OK** button.

CDOT Using Georeferenced Images in Raster Manager.pdf



21. **Fit view** to display the image. The image should now appear in the correct location.

