

Image Analysis for ArcGIS FAQs¹



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How Do I Reproject an Image (Simple & Custom)?

Use the Image Analysis extension to reproject imagery in ArcMap. This document describes how to perform simple and custom image reprojections using Image Analysis for ArcGIS.

What You Will Need and Other Assumptions

- A georectified image

Overview of Steps

1. Set new projection parameters for the Data Frame in ArcMap.
2. Add your image(s) to be reprojected to ArcMap's Data Frame.
3. Use the Data Preparation tools in Image Analysis to reproject your image(s).
4. Inspect your results.

Step-by-Step Example

1. Start ArcMap from your Desktop, or on the Windows Taskbar click **Start | Programs | ArcGIS | ArcMap**. Ensure the Image Analysis extension is visible. If not, from ArcMap's main menu select: 1) **Tools | Extensions** and enable **Image Analysis**; and 2) **View | Toolbars** and enable **Image Analysis**.
2. Select the **Add Data** button from ArcMap's main toolbar, and navigate to and select an image that you need to reproject. Click **Add**.
3. **Right-click** in the Data View, and select **Properties** and then click the **Coordinate System** tab.
4. For simple reprojects, select the **Predefined** and **Projected Coordinate Systems** folders from the **Select a coordinate system** window. Navigate through the list and select the image's new projection, click **OK**.
5. For custom reprojects, click **New | Projected Coordinate System** from the **Coordinate System** tab. Select **New** in the New Projected Coordinate System dialog, and then define your custom projection. Click **OK**, then **OK** again. Finally, click **Apply** and **OK** in the Data Frame Properties dialog.
6. Click **Yes** to dismiss the Warning message. ArcMap has now reprojected your image on-the-fly, but the reprojection is only set for the project—not to the image itself.
7. From the Image Analysis toolbar, select **Image Analysis | Data Preparation | Reproject Image**. Specify the **Input Image** (the image you would like to reproject), and specify an appropriate filename and location for the **Output Image**. Click **OK**.

¹ Produced by the USDA Forest Service RSAC (<http://fsweb.rsac.fs.fed.us>). A Forest Service version of Image Analysis for ArcGIS was used to develop this reference document. No warranty is made as to completeness or accuracy.

8. Inspect the results.