

# Image Analysis for ArcGIS FAQs<sup>1</sup>



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## How Do I Import a GeoTIFF?

You can import GeoTIFF imagery using ArcToolbox. Use the TIFF to IMAGINE importer to import this type of imagery. This document describes how to import GeoTIFF imagery into an ERDAS Imagine Image format. *Note: if your image data are organized in separate files—one band per file—you will need to import them individually (you can batch this process with the importer) and then use the Layer Stack option in the Image Analysis extension to create a single, multi-band file.*

## What You Will Need and Other Assumptions

- An image in GeoTIFF format
- The associated header file(s) containing the required info for the import process

## Overview of Steps

1. Use the Conversion Tools option in ArcToolbox to import your GeoTIFF image.
2. Select the TIFF to IMAGINE importer.
3. Specify the necessary parameters to complete the import process.
4. Inspect the results.

## Step-by-Step Example

1. Start ArcToolbox from your Desktop, or on the Windows Taskbar click **Start | Programs | ArcGIS | ArcToolbox**.
2. Navigate to and start the TIFF to IMAGINE tool by double-clicking **Conversion Tools | Import to IMAGINE Image | TIFF to IMAGINE** in the ArcToolbox menu.
3. Navigate to and select your TIFF image as your **Input Filename**.
4. Navigate to your project directory and specify an **Output Filename** for your new ERDAS Imagine Image file.
5. Be sure to specify all the other required parameters (required parameters contain an asterisk), referring to your header file as needed.
6. Click **OK** to begin the import process.
7. Start ArcMap, add your new image to the Table of Contents, and inspect the results.
8. Finally, start ArcCatalog to set the **Spatial Reference** for your newly imported image.
9. Navigate to your project directory and select your image. Make a **Single Right-click** on the

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filename and choose **Properties** from the pop-up menu.

10. In the Spatial Reference tab, click the **Edit** button below the Projection field.
11. Click the **Import** button to import the Spatial Reference from an existing geodataset, click the **Select** button to choose from a list of predefined coordinate systems, or click the **New** button to specify a custom, user-defined coordinate system.
12. When finished specifying or defining the coordinate system, click the **Apply** button at the bottom of the Spatial Reference dialog, then click **OK**. Now click **OK** in the Raster Dataset Properties dialog. Your projection and coordinate system are now defined.