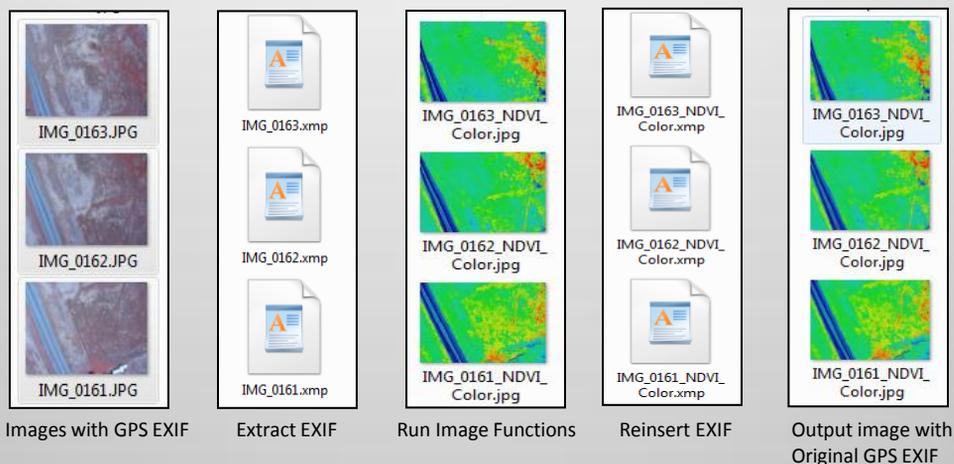




## Extracting and Inserting EXIF Data on an Image File From UAS Imagery with GPS Coordinates



### Procedures for Extracting and Inserting EXIF Image Data

#### **Download the Image Metadata Tool (Exiv2)**

<http://www.exiv2.org/>

Download Exiv2 v0.23 Windows executable: `exiv2-0.23-win.zip`

Unzip the file

#### **Extract the EXIF Data and Store in New File:**

Open a DOS Window...path to where the Exiv2 Executable file is located

From the DOS Prompt... `exiv2 -eX file.jpg` or `exiv2 -eX *.jpg` (for batch all files)

This creates a file with the same filename and a .xmp extension

#### **Note:**

Functions can be run on the original image files (ie. ImageJ) and saved out. Some programs delete the EXIF data on the output when a function is run on the image. If the EXIF data is saved in a temporary file before running the functions, the EXIF information can then be added back to the new files.

#### **Insert the EXIF Data from New File:**

Open a DOS Window...path to where the Exiv2 Executable file is located

Note: If the filenames have change from the processing output, the .xmp filenames must be changed to match in order to insert the exif data back into the metadata header.

From the DOS Prompt... `exiv2 -iX file.jpg` or `exiv2 -iX *.jpg` (for batch all files)