

Example Error and Warning messages when using ExifTool:

Error: Not a valid JPEG (looks more like a PNG) – Adam_McKay.jpg

Warning: [minor] Ignored APP1 XMP segment with non-standard header – Zach_Cregger.jpg

Error: JPEG EOI marker not found – Alicia_Leigh_Willis.jpg

Error: Not a valid JPEG (looks more like a GIF) – chad_cleven.jpg

Warning: Multiple Photoshop records – Danny_Kaye.jpg

Error: Corrupted JPEG image – Joe_Pingue.jpg

Need Image Sorting Script - XMP & ExifTool

Most images have XMP metadata that contains the “face box” coordinates of all faces in that image. The script needs to move files that don't have any face coordinates to another folder. If the script detects any files with errors or warnings, those files should also be moved to another folder.

Example: The folder name is "Volunteer Images" and contains 18,000 JPG files. The script should create a subfolder called "XMP-Volunteer Images" and move those files without XMP face data into this folder. It should create another subfolder called “ER-Volunteer Images” and put images with warnings or errors in this folder.

This is what the XMP data looks like on those with face coordinates. Includes categories:

XMP-x

XMP-AnVoltFaceInfo

XMP-AnVoltPicasa

XMP-MP

Tag name	Value
	---- ExifTool ----
ExifToolVersion	8.84
	---- System ----
FileName	Nadia Bowers-x.jpg
Directory	.
FileSize	54 kB
FileModifyDate	2012:03:21 11:28:49-07:00
FilePermissions	rw-rw-rw-
	---- File ----
FileType	JPEG
MIMEType	image/jpeg
ImageWidth	440
ImageHeight	656
EncodingProcess	Baseline DCT, Huffman coding
BitsPerSample	8
ColorComponents	3
YCbCrSubSampling	YCbCr4:2:0 (2 2)
	---- XMP-x ----
XMPToolkit	Image::ExifTool 8.16
	---- XMP-AnVoltFaceInfo ----
FaceNames	Actor Data
HierarchicalFaceName	Actor Data
	---- XMP-AnVoltPicasa ----
FaceInfosContactId	9e8f930eae4ab943
FaceInfosContactModified	2012:03:19 13:24:26Z
FaceInfosContactName	Actor Data
FaceInfosContactSync	false
FaceInfosFaceId	9e8f930eae4ab943
FaceInfosFaceRectangle	0.1750057, 0.01524376, 0.7090867, 0.5716487
PictureIniSettings	faces=rect64(2ccd03e7e253963e),9e8f930eae4ab943\r\n\r\nbackuphash=13407\r\n\r\n
	---- XMP-MP ----
RegionPersonDisplay	Actor Data
RegionRectangle	0.1750057, 0.01524376, 0.7090867, 0.5716487