

What is EXIF?

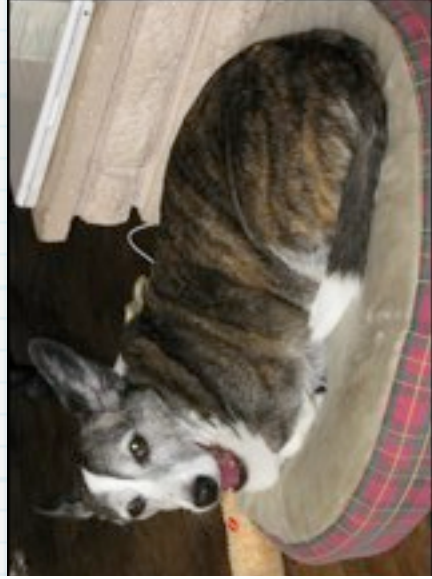
Digital photographers should know

JIF

- * Exchangeable Image File Format
- * Hidden data in JPEG files
 - * How, when and where
- * Written by digital cameras
- * Used by photo software

Added by your camera

the picture part



JPEG file



the EXIF part

Photo Info	
Image	
Width:	2,592 pixels
Height:	1,944 pixels
Original Date:	2/23/2008 8:58:32
Digitized Date:	2/23/2008 8:58:32
File	
Name:	IMG_3863.JPG
Size:	1.2 MB
Modified:	2/23/2008 8:58:32
Imported:	2/24/2008 9:34:28
Camera	
Maker:	Canon
Model:	Canon PowerShot A95
Software:	—
Exposure	
Shutter:	1/60
Aperture:	f/2.8
Max Aperture:	f/2.8
Exposure Bias:	0.00
Exposure:	—
Exposure Index:	—
Focal Length:	7.81mm
Distance:	—
Sensing:	One-chip color area
Light Source:	—
Flash:	On
Metering:	Pattern
Brightness:	—

Also IPTC Metadata

International Press Telecommunications Council

- * Information you add - Stored with EXIF
 - * Name, address
 - * Copyright
 - * Caption, Keywords, Category, etc.

iPhoto

EXIF data depends on
the camera

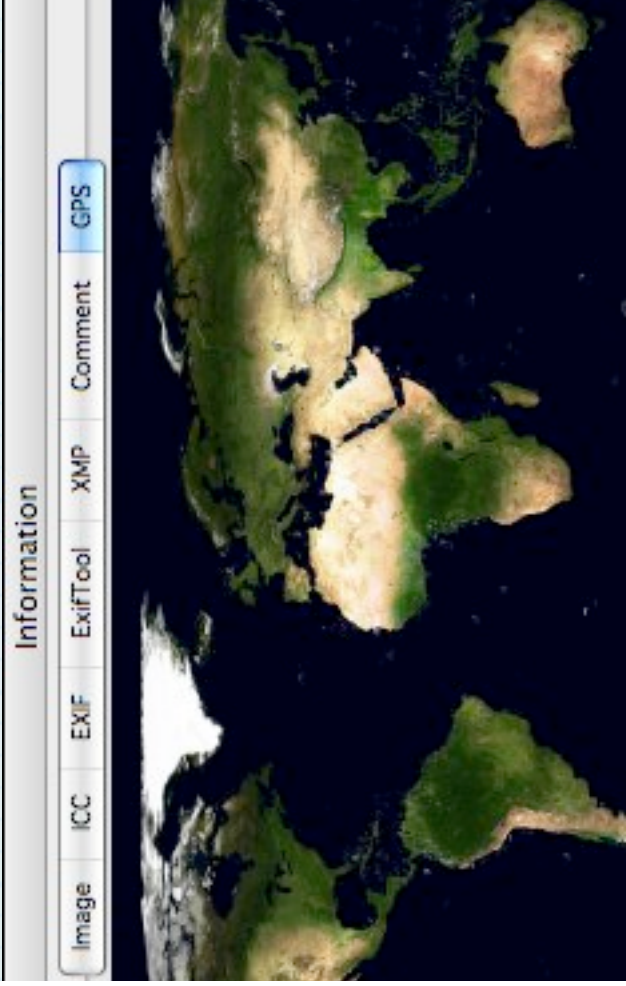
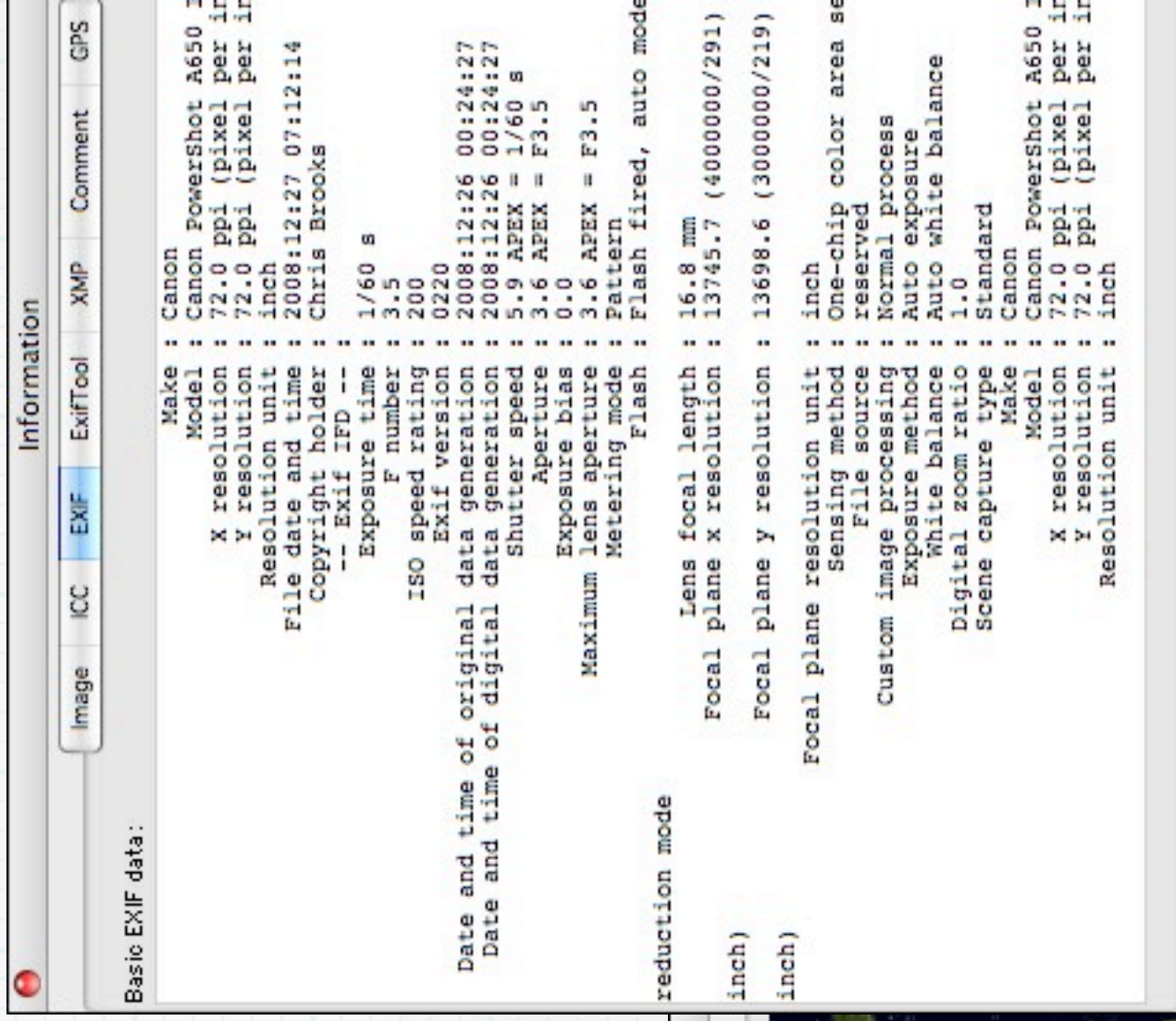
Used by photo
software

Cmd-I to view

Width: 2,592 pixels
Height: 1,944 pixels
Original Date: 2/23/2008 8:58:32
Digitized Date: 2/23/2008 8:58:32
▼ File
Name: IMG_3863.JPG
Size: 1.2 MB
Modified: 2/23/2008 8:58:32
Imported: 2/24/2008 9:34:28
▼ Camera
Maker: Canon
Model: Canon PowerShot A9
Software: —
▼ Exposure
Shutter: 1/60
Aperture: f/2.8
Max Aperture: f/2.8
Exposure Bias: 0.00
Exposure: —
Exposure Index: —
Focal Length: 7.81mm
Distance: —
Sensing: One-chip color area
Light Source: —
Flash: On
Metering: Pattern
Brightness: —
ISO Speed: —

GraphicConverter

Each program
does it
differently



Photoshop

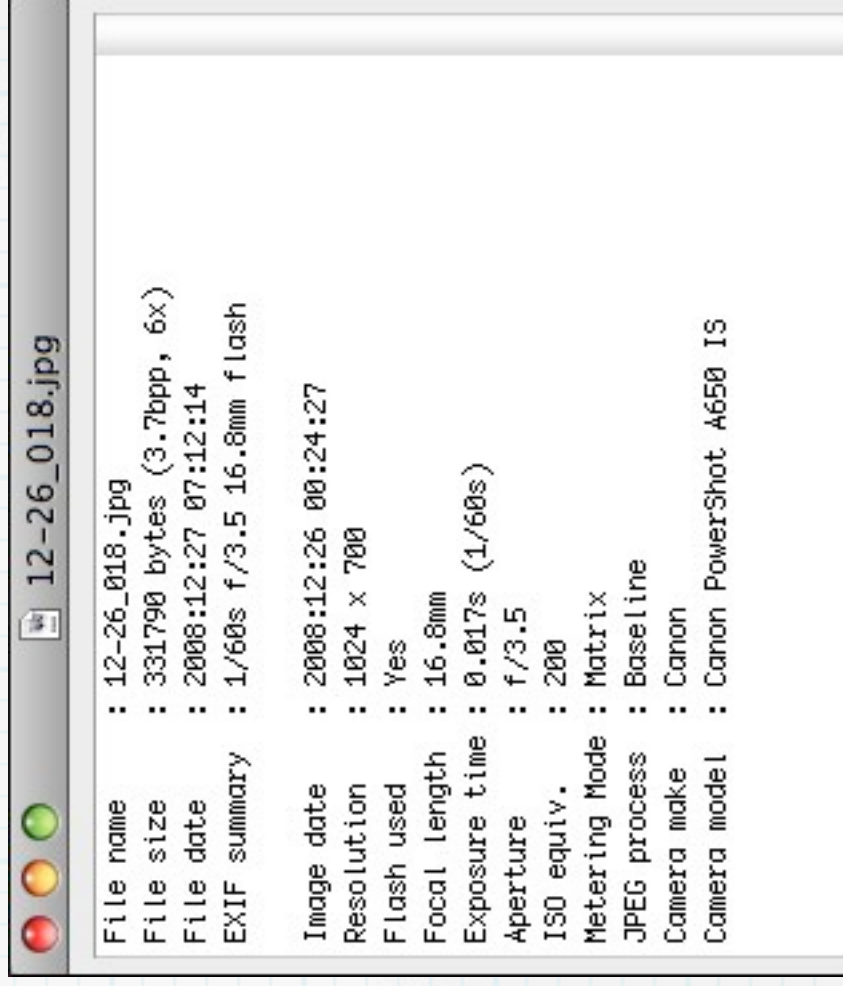
*** One of several windows**

Camera Data 1	
Make:	Canon
Model:	Canon PowerShot A650 IS
Date Time:	2008-12-26T00:24:27-08:00
Shutter Speed:	1/60 sec
Exposure Program:	
F-Stop:	f/3.5
Aperture Value:	f/3.5
Max Aperture Value:	f/3.5
ISO Speed Ratings:	200
Focal Length:	16.8 mm
Lens:	7.4-44.4 mm
Flash:	Fired
	No strobe return detection (0)
	Auto mode (3)
	Flash function present
	Red-eye reduction

EXIF Viewer

* Quick view

* Freeware



PhotoTool|CM

- * **No Intel Leopard**
- * **Really quick**
- * **A free contextual menu (CM) item
Goes in CM folder**
- * **Give EXIF info and is a photo utility**



PhotoToolCM

EXIF Info

Copy All Information
Copy EXIF Information Only
File name: dog.jpg
File size: 324 KB (331,790 bytes)
File created: 2009:02:08 06:38:06
File modified: 2008:12:27 07:12:14
File type/creator: <none>/<none>
Resolution: 1024 x 700
Jpeg process : Baseline
Resource fork: None
Comment: None
Exif data: Yes (600 bytes)
Exif thumbnail: None
Camera make: Canon
Camera model: Canon PowerShot A650 IS
Date/Time: 2008:12:26 00:24:27
Flash used: Yes
Focal length: 16.8mm
Exposure time: 0.017 s (1/60)
Aperture: f/3.5

PhotoToolCM

Cameras date/time stamp photos

Photo Utility

Lossless Rotate 180
Lossless Rotate 90 CW
Lossless Rotate 90 CCW
Lossless Flip Horizontal
Lossless Flip Vertical
Lossless Automatic Transform

Edit Comment...

Edit Exif Date...

Lossless Cleaning (Reduce Size)...

Change File Dates to Exif Date

Batch Rename using Exif Date

Batch Resize...

Add Frame...

Preferences...

Edit EXIF Date/Time

Mode: **Relative Day/Time**

Absolute Date/Time

Year

2008

Month

12

Day

26

Hour

00

Minute

24

Second

2

Relative Day/Time (Offset)

Day

Hour

Minute

Second

* Use minus (-) for negative offset in each field

* Blank fields are assumed to be equal to zero (0)



Abort

Skip

Execute All

Execute

