**Objectives:**

* Use FTK Imager to navigate a complete XP forensic image.
* Locate and extract “Next Bombing Targets” folder.
* Use ExifRead.exe extract Exif data embedded in each picture, including camera, time/date and GPS data.
* Use Google Maps to geo-locate location of where pictures were taken, based on internal GPS data.
* Determine where the next bombing targets are.

1. Open FTK Imager and use the “Add Evidence Item” option to add the suspect “Vader\_Home\_Computer.001”.
2. Navigate to the folder C:\Documents and Settings\Owner\My Documents\Business\Next Bombing Targets.
3. Extract the “Next Bombing Targets” folder to your local computer.
4. Open ExifRead.exe
5. Use ExifReader to open *target1.jpg.*
   1. Examine the Exif data that is extracted from the target1.jpg and answer the following questions.
   2. What is the Make and Model of the camera that took the photo?

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* 1. What is the date and time that the picture was taken?

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* 1. What is the Degrees, Minutes & Seconds and Reference Points (N,S,W,E) of the picture?

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* 1. Go to <http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html> and calculate the decimal version of the Latitude and Longitude Points from which this picture was taken. What are they?

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* 1. Go to Google Maps and type in the latitude and longitude points.

(Remember: W = Neg, E = Pos, N = Pos, S = Neg). Where, exactly is the first bombing target?

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1. Use ExifReader to open *Target2.jpg.*
   1. Examine the Exif data that is extracted from the Target2.jpg and answer the following questions.
   2. What is the Make and Model of the camera that took the photo?

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* 1. What is the date and time that the picture was taken?

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* 1. What is the Degrees, Minutes & Seconds and Reference Points (N,S,W,E) of the picture?

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* 1. Go to <http://transition.fcc.gov/mb/audio/bickel/DDDMMSS-decimal.html> and calculate the decimal version of the Latitude and Longitude Points from which this picture was taken. What are they?

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* 1. Go to Google Maps and type in the latitude and longitude points.

(Remember: W = Neg, E = Pos, N = Pos, S = Neg). Where, exactly is the second bombing target?

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