

FERRIS STATE UNIVERSITY

SURVEYING ENGINEERING

SURE 339 - REMOTE SENSING

SPRING 2009/10

LAB #3

PURPOSE: The purpose of this lab is to acquaint the student the ERDAS IMAGINE software modules: Image Catalog and Map Composer.

PROCEDURE:

1. Image Catalog allows the user to track and store information for image files that are either created or imported into IMAGINE. Map Composer gives the user the ability to create a map.
2. Copy the following image files to your directory: 30meter.img and modeler_output.img.
3. Complete the tutorial that is attached that briefly describes the functionality of both the Image Catalog and Map Composer modules.
4. In the Image Catalog module, skip the Archive Data section.
5. Submit a standard laboratory report.

QUESTIONS:

1. Looking at the Image Catalog menu, describe the icons that are on the dialog window.
2. When you run Query, you will be displaying another image on a second viewer. This is a zoomed in display of the boxed area shown in the Graphical Query viewer. Arrange the Viewer, Image Catalog and Graphical Query windows so that they can all be seen on the monitor. Collect a screen capture of all 3 displays and paste this into your lab report.
3. IMAGINE allows the user to view information on many of the elements of a raster image file. In the Image Catalog, click on record 27 – the panAtlanta.img file. This file should be highlighted in yellow. Click on the View | Form View (or the Catalog Default icon) and the View | Image Info (or Image Catalog icon). Rearrange these two windows and the highlighted PanAtlanta record in the Image Catalog and obtain a screen capture of all 3 displays. Paste this into your lab report.
4. How can you draw a perfect square when drawing the map frame?
5. What is the difference between a neatline, a tick mark and a grid line?
6. What is a legend? Is a legend a part of the map frame? Explain.

7. Print out your final map in the Map Composer module. For Print Destination, select AdobePDF. Save the file. Then in your report you can import this document. In Word, click on the Insert tab. In the Text section, click on Object to open the Object dialog window. Select Adobe Acrobat document and click OK. Go to the path where you saved the image and click Open.