Lab 10. GIS & Remote Sensing

The goal: To learn about remote sensing applications and use of GIS.

Objective: Learn about Remote Sensing programs and imagery.

Software for the lab: ARCVIEW.

Reading: http://www.earth.nasa.gov/missions/index.html

Problem #1.

Go to the WEB page http://www.earth.nasa.gov/missions/index.html. Select three missions of your choice and answer the following questions (few phrases or paragraphs):

1. Program Name _______________
2. Mission of the Program _______________
3. Which data format (raster or vector) would you suggest for the data storage? ___________
4. How would you organize your attribute table for vector data?
   [i.e. list names of parameters to store and their format i.e. character, number (floating or integer)].

Problem #2.

Look at three examples of the image data in /usr/manhattan/gis_class/yxg/data/rs

Tell me which technique was used to produce each of these images.

Your choices: IKONOS LANDSAT AVHRR SPOT (Panchromatic or Multispectral)
HYMAP ORTHOPHOTO (Color or Black and White)