

Remote Sensing Homework

Spring 2005

Always answer in complete, coherent, grammatically correct sentences and show all work!

Satellite Image Interpretation Due Wednesday 16 February.

1. Use the images on the following pages to answer these questions. They were made on 15 January 1999 using sensors on the GOES platform.
 - a. What are the clouds like at point A? (e.g., high, low, thick, thin, convective, etc.) Explain your reasoning.
 - b. Same as (a) but for point B.
 - c. Same as (a) but for point C. Would you like to be flying in a jet aircraft here? Why or why not?
 - d. Same as (a) but for point D.
 - e. Explain appearance of images at point E -- what is this?
 - f. Fill in your descriptive weather log as though you were sitting on an island at point F (e.g., clouds, temp, humidity, wind direction, etc.)
 - g. Print out the water vapor image, and sketch on it the most likely position of the jet stream axis (if you are not a meteorology major, no points will be taken off for this, but try anyway!)
2. Define the following terms:
 - a. terminator (not the movie!)
 - b. sunglint
 - c. enhancement curve
 - d. cloud displacement
 - e. jet stream



