Name:

Points:

EarthKam Image Analysis

Procedures:

- Gather information about your image and region.
- Use snipping tool to capture your image and supporting information from Google Earth Satellites (LandSat).
- Insert your imagery and assessment into a presentation to share with class in two classes.

Selecting am image:

- Go to Earthkam.org
- Log in:
  - Mission log in:
  - username: hirstc-smoc
  - password: pa$$wOrd
- School Gallery
  - Select your image.

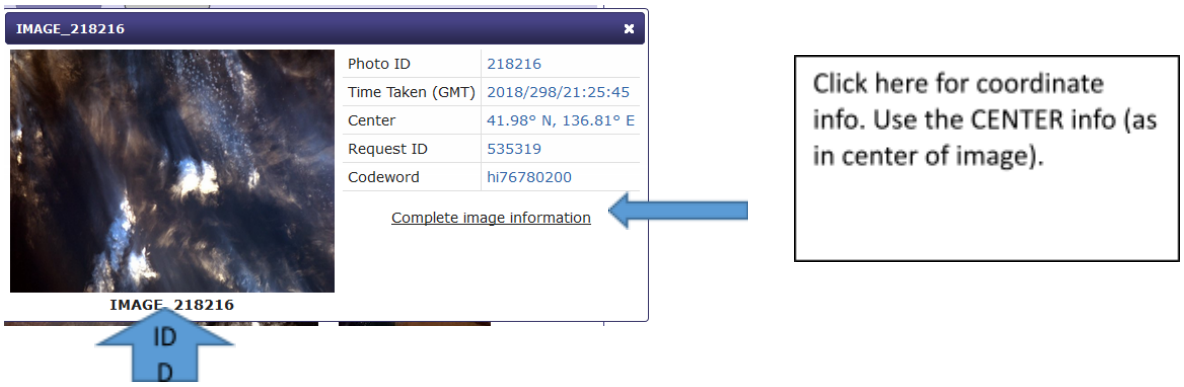
Once you have selected one:

Go through your images, and select what you feel is the most interesting image.

Selected image (or images) ID:_____

- In a few sentences, why did you choose this?

Record the following information about your image:



Orbit	
Latitude	
Longitude	
Time taken (GMT)	

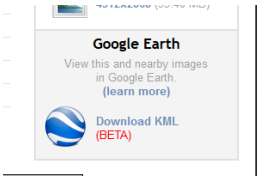
Imagery Analysis:

1. Describe the general location or name the location of the image:

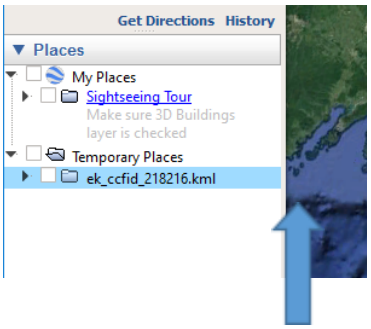
2. What would you have expected the weather to be like in this location at the time of the image, and why?

3. At first glance, list three things you notice:

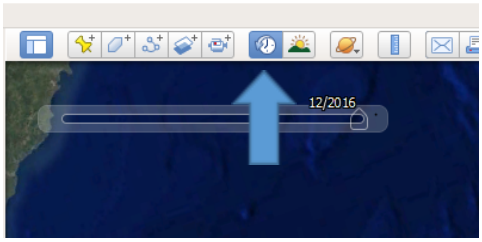
4. Go to Google Earth and compare this exact location to your image. List three things you notice about your location.
    - You may do this **EITHER** by copying the coordinates, **OR** back in the image information on the right, click “download in Google Earth.”



5. In the file location, you can overlay and remove your image from the temporary places by checking the box. How does your image compare to Google Earth imagery? List some similarities and differences.



6. In the toolbar at the top, find the timeline tool (clock). Unfortunately the Pro version does not allow continuous play (dumb) but you can slide the time tool. What differences or changes do you notice between the earliest imagery and the latest?



7. What environmental issues or factors are present in your image? You may use the previous questions to assess and answer this.

8. What new information does your image reveal about your location, that may not be apparent from Google Earth?

9. What else would you need to know about this location in order to accurately identify the information in your image?

Your group will put together a short presentation to be shared next class explaining your image.
Your presentation should include:

- Original imagery
  - Why you chose this
- Image of location in Google Earth
- Description of image/location
- What environmental information does your image reveal about your location?
- Earliest and latest images of location (from Timeline Tool)
- Description of environmental changes over time
- Environmental issues facing your region, and connection to your original imagery.
  - This final section should be the culmination of all previous sections, and must accurately and effectively connect the information from your original image to the issues facing the region as a whole.
  - This will require some research.
  - This section should demonstrate a high level of analysis and understanding.

Great Presentations:
Throughout the semester, you will have numerous opportunities to grow as a presenter. This is a life skill. Regardless of what you do or where you go, being able to confidently present your understanding of a particular topic is an inevitable and unavoidable skill.
Great presentations should have the following:

- Eye contact with audience
  - Pause on individuals, but no more than 2-3 seconds
  - Sweep your eyes across the entire room, sharing a moment with everyone
- Confidence in one's own knowledge and understanding
  - This is reflected in your speech, mannerisms and dress. Yes, your dress.
  - Speak slowly, clearly and know what you want to say.
  - Be able to pronounce EVERYTHING you plan to say
  - Minimize vocal pauses and glances at the ceiling
- Presenters should be TEACHING material, not reading
- Slides should be a guide, an outline.
  - No more than 6 bullet points
  - 6-8 words per bullet
  - Forget complete sentences
- Uniform font
- Uniform and consistent stylistics and format
- Easily legible font
- Suitable background which allows text to pop and does not interfere with text
- Graphics, gifs, animations and imagery AS APPROPRIATE.

- This should ADD to your overall idea, not dominate
- Should not or compete with text

- Videos as appropriate, at end, no more than 3 minutes
    - Videos should only compliment, not encompass a good presentation