

How to Annotate an Image — Hardcopy

Annotating an image means adding labels and pointers to the image that help people viewing the image understand what they are seeing.

Materials/Resources:

- Gather the necessary materials: color printouts of an ISS EarthKAM image, the image's Metadata Table or access to the ISS EarthKAM Web site, transparencies or acetate for labeling, transparency or dry-erase markers, rulers, and tape.
- Resources for exploring the image, such as atlases, travel guides, and reference books.
- Optional: ISS EarthKAM educator guides How to Explore Images, How to Find North, and How to Create a Scale Bar available in the Educator section of the ISS EarthKAM Web site
- Optional: View the sample annotated images available on the ISS EarthKAM Web site

Time: 1+ (50 minute) periods

Level: Easy

Recommended Procedures:

1. Align the transparency on the image.
 - Place the transparency on top of the image.
 - Optional — Keep the image and transparency aligned by applying small pieces of tape along edges of the transparency and folding them over to the back side of the image.
 - Writing on the transparency, use a ruler and transparency marker to mark the edges of the image and trace along the key features visible in the image.
2. Title your image, record the image ID Number from the Metadata Table, and list all the people on your team.

STANDARDS

Geography

The World in Spatial Terms

- Standard 1: How to use maps and other geographic representations, tools, and technologies to acquire, process, and report information.
- Standard 3: How to analyze the spatial organization of people, places, and environments on Earth's surface.

ISS EARTHKAM WEB SITE

<http://www.earthkam.ucsd.edu/>



3. Label the image with whatever information is appropriate to your explorations of that image. (See ISS EarthKAM activity: How to Explore Images for help with a general exploration of the image.)

- Draw a North arrow.
 - a. Draw an arrow in the direction of the arrow on the Image Viewer page, or complete the ISS EarthKAM activity How to Find North to figure out which direction the arrow should point.
 - b. Label your arrow with an “N”. For example:
- Indicate the scale of the image. (See ISS EarthKAM activity How to Create a Scale Bar to measure features in the image.)
 - a. Next to one of the long sides of the image, draw a straight line the same length as the image.
 - b. Label this line with Image Width from the Metadata Table.
 - c. Next to one of the short sides of the image, draw a straight line the same length as the image.
 - d. Label this line with Image Height from the Metadata Table.
- Identify recognizable features and add place names.
 - a. Choose a marker color that is clearly visible against the image.
 - b. If necessary, draw a thin line connecting your text with the feature being labeled.
- Place question marks on any features you are interested in but have not (yet) identified.
- Record any other data from the Metadata Table or your work that is important to your exploration of the image. For example, if the location of the image is key to your exploration, record the latitude and longitude of the image. If you have measured features in the image, record those distances.



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