

# How to Locate an Image on a Map

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Identifying the geographic location of an image provides you with a larger context, including information that can help you research the image.

## Materials/Resources:

- Access to the ISS EarthKAM Datasystem: <http://datasystem.earthkam.ucsd.edu/>  
AND/OR
- Printout of an ISS EarthKAM image and its Metadata Table
- Atlas(es)

## Datasystem:

In the ISS EarthKAM Datasystem on the **Image Viewer** pages, a mini-map with a diamond provides a global view of where the image is located. The **Maps of Image Area** pages provide regional views of the area in and around the image. Zoom in to identify features and place names, and overlay the image on the maps to see exactly where and how the image is situated. (See the Datasystem Tutorials for details.)

Consider using an atlas or more detailed online maps in addition to the **Maps of Image Area** pages.

## Atlases:

1. Find the Location, Center Latitude, and Center Longitude in the Metadata Table.
2. Look up the Location in the table of contents or index of your atlas.
3. Once you find the correct page of the atlas, locate the Center Latitude and Center Longitude point. This point should be the approximate center of the ISS EarthKAM image.
4. Identify the region of the map that is shown in the image:
  - Try to match the features in the image to those on the map.
  - Identify which direction is north in the image and then orient the image so that it is aligned with the map.
  - Use the map's scale-bar and the Image Width and Image Height to correctly size the image area on the map.
  - On the map, frame the image region with your fingers or paper.

## ISS EarthKAM

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## STANDARDS

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### 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 2: How to use mental maps to organize information about people, places, and environments in a spatial context
- Standard 3: How to analyze the spatial organization of people, places, and environments on Earth's surface.

## TEACHER TIP

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The more you explore images, the more you will rely on your atlas. Go to a library or bookstore and get the largest, most detailed atlas available.

