



APL

**MESSENGER**  
MErcury Surface, Space ENvironment, GEochemistry, and Ranging

## Hints for completing the Mercury Mosaic

### 1. Make sure cards are properly oriented

How? Turn them over and make sure the number (1, 2, etc.) is in the upper left corner of each card, then flip them to the front and don't change the orientation!

### 2. Assemble the edges first

How? Use the circle or limb on the blank grid as a guide; the area outside of the circle should be black when the cards are in place.

### 3. Assemble the middle of the Mercury Mosaic

This is difficult! Tip: Notice how one edge of the planet seems to disappear in shadow and cards near that edge are darker? This is due to the location of the Sun when the images were captured by MESSENGER. Imagine a bright light (the Sun!) off to the right of the puzzle and use the difference in shading to help you decide where images belong.