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### Image Directions Student Activity Sheet

**Directions:** Explore the information in the images for ultraviolet light intensity and skin pigmentation of indigenous peoples. Skin pigmentation values are rated according to the amount of light reflected off the skin of the underside of the forearm. Begin by investigating what information the various buttons open. Keep track of your findings by writing or coloring on the map provided below. After exploring the database for a couple of minutes, find and write answers to the following questions.



Credit: SETI Institute

1. What is the relationship between latitude and ultraviolet light intensity?
2. What is the relationship between latitude and the level of skin pigmentation? Make note of any irregularities.
3. Write a paragraph that describes the relationship between average UV intensity and skin pigmentation. Your paragraph should refer to the data on the maps you have explored and the notes you have made.