



Auroras Data Collection

Date: _____

Time: _____

Initial: _____

Directions: The following questions will help you analyze the data to determine the answer to the big question, "***Have auroras been seen within the last 24 hours due to a solar storm?***" You can answer each of the questions on the back of this paper or on a separate Aurora Answer Sheet.

Refer to "Auroral Activity on Earth – NOAA POES" Data

- a) What is the intensity of the storm: Severe, Intense, Moderate, Low?
- b) What is the southernmost extent of auroral activity?
- c) In what states would you expect to see aurora?

Refer to "Kiruna All-Sky camera" Data

- d) What is exact date and time that the image was taken? This information can be found at the top of the webpage right above the image.
- e) Do you see auroral activity in the image?
- f) If auroral activity is visible, describe what you see.

Comprehension Question: Based on the data you have analyzed from these instruments, answer the question, "***Have auroras been seen within the last 24 hours due to a solar storm?***" Be sure to cite specific data in your response.