Name: _____ Date: _____ Class: _____

Think-Pair-Share

1. Examine the map at 120° West. What do you see at the different latitudes?
   _____
   _____
   _____

2. Circle the area on the map at 120° West with the most tropical cyclones.

3. Put a scatter around the areas on the map at 120° West between the equator and 40° N with the lowest number of tropical cyclones.

4. Describe the patterns you see.
   _____
   _____
   _____

Question Set 1

1. What does the scatter plot show?
   _____
   _____
   _____

2. Is the plot linear or nonlinear?
   _____
   _____
   _____

3. Is there a correlation between the two variables?
   _____
   _____
   _____

4. Describe any correlation you might see between the variables.
   _____
   _____
   _____

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5. What does the shape of the distribution tell you?

   _____
   _____
   _____

6. What does it NOT show?

   _____
   _____
   _____

Question Set 2

How does the scatter plot relate to the map image?

1. The number of tropical cyclones at each latitude can be found on _____.

2. The distribution of the tropical cyclones can be seen by _____ on the map and by _____ on the scatter plot.

3. What kind of questions can you answer with a scatter plot?

   _____
   _____
   _____

4. What do you wonder from the scatter plot? Can you answer it with this graph, or do you need to see the data in a different way?

   _____
   _____
   _____

5. Does the scatter plot help you answer the driving question? (*How can you determine the risk of experiencing a tropical cyclone in an area to make decisions about where to live, how to protect yourself and whether or not you need to make an emergency plan?)*

   _____
   _____
   _____

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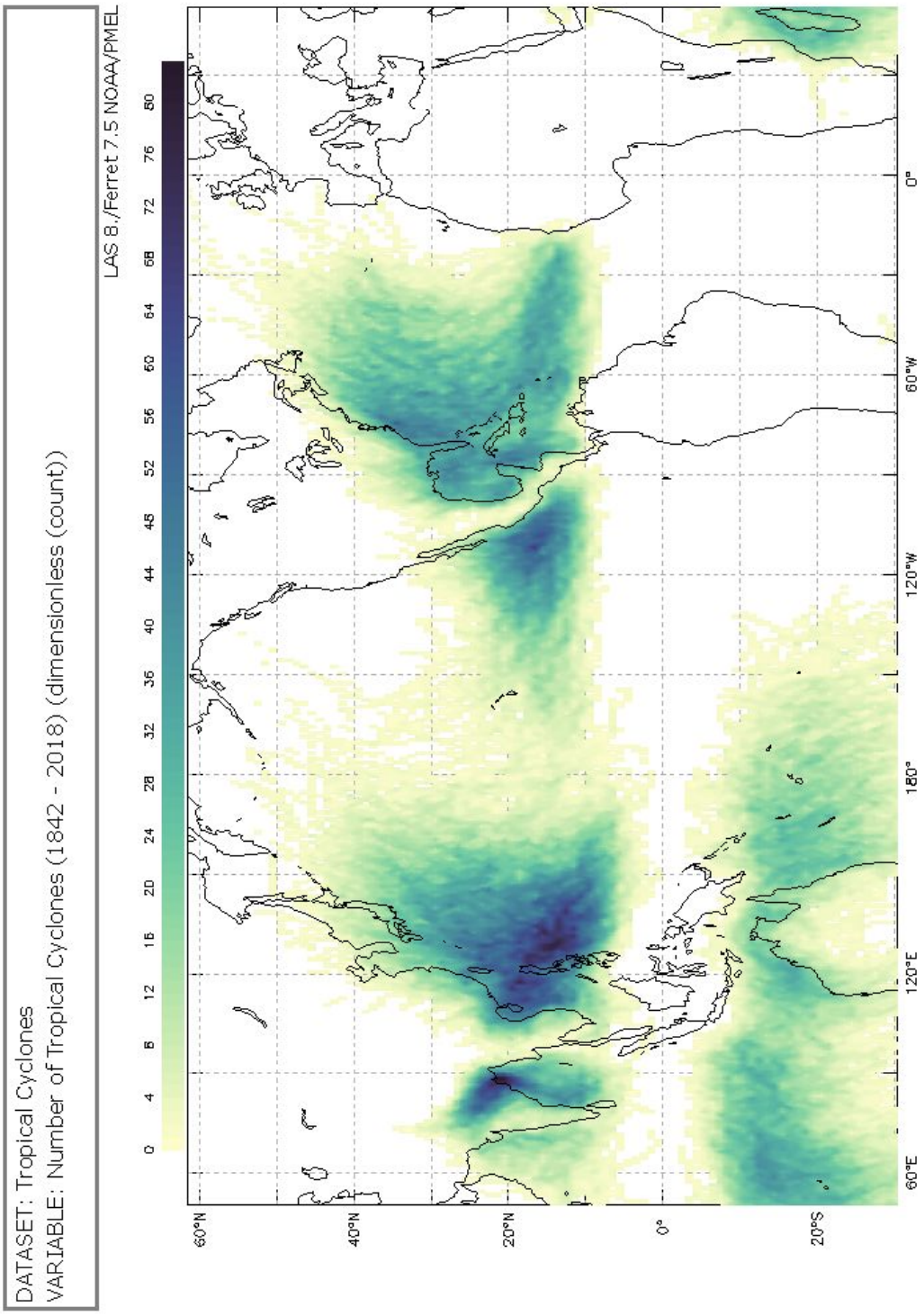

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