

# HURRICANE TRACKING

Oc-Easternhurricanes.Lab

**Purpose:** To familiarize the student with several Hurricanes that have affected the Eastern coast of the United States. To allow the student to plot the individual courses of the Hurricanes.

**Background:** Note the similarities and differences in the direction, movement, and location of the Hurricanes plotted.

**Procedure:** Using the data below, plot the correct coordinates for each of these Hurricanes. Be certain to **BOLDLY LABEL** in capital letters the Hurricane by both **YEAR and NAME**. Also, color each Hurricane with a different color to distinguish each one.

*Latitude = North and Longitude = West*

<b>"BETSY" 1965</b>			<b>"YANKEE" 1935</b>			<b>"CAMILLE" 1969</b>		
DATE	LAT.	LONG	DATE	LAT.	LONG.	DATE	LAT.	LONG
9-15	24	71	7-25	34	64	9-10	23	85
9-16	27	73	7-26	34	67	9-11	27	88
9-17	27	74	7-27	33	72	9-12	32	90
9-18	27	75	7-28	33	75	9-13	37	87
9-19	27	76	7-29	33	78	9-14	38	81
9-20	28	76	7-30	31	79	9-15	38	75
9-21	29	76	7-31	29	82	9-16	38	68
9-22	28	74	8-1	27	87	9-17	39	66
9-23	27	74						
9-24	27	76						
9-25	26	78						
9-26	26	84						
9-27	27	89						
9-28	27	91						
9-29	29	91						
9-30	32	89						

<b>"FLOYD" 1999</b>			<b>"ANDREW" 1992</b>			<b>"KATRINA" 2005</b>		
DATE	LAT.	LONG.	DATE	LAT.	LONG.	DATE	LAT.	LONG.
8-16	10	36	8-24	25	77			
9-13	25	75	8-17	12	40	8-25	26	80
9-14	25	76	8-18	15	50	8-26	25	82
9-15	26	77	8-19	18	56	8-27	25	85
9-16	27	78	8-20	21	61	8-28	26	88
9-17	29	79	8-21	24	64	8-29	30	90
9-18	39	75	8-22	26	68	8-30	35	88
9-19	44	71	8-23	25	74			
			8-24	26	83			
			8-25	29	90			
			8-26	30	92			
			8-27	33	90			
			8-28	35	84			

**Worth Sixty Points**

**QUESTIONS CONCERNING THE PLOTTED HURRICANES**

### **Worth Forty Points**

Answer in **Complete and Scholarly sentences**. Do NOT copy any other students answer since this is an individual lab.

1. Describe by using specific map directions such as north or northeast , the path that hurricanes generally follow. Be very specific as to the Hurricanes path in the Eastern United States.
2. Give some weather related information ( use your notes) as to why is the hurricane's movement is difficult to predict.
3. When the "Data Dots" on the hurricane track are closer together, what does this indicate about the storm's progress?
4. How many categories are given to describe the intensity of a hurricane?  
What is the name of the Scale that gives these categories?
5. How is a "Hurricane Watch" different from a "Hurricane Warning"? Include time factors.
6. Which hurricane **did NOT** follow the general track of hurricane progress and moved from the Northeast to the Southwest?
7. Name and describe the hurricane that traveled across the greatest amount of land.
8. Which hurricane had the most erratic ( unusual) behavior compared to normal hurricane movement?  
WHY?
9. During what months does hurricane season occur in the western Atlantic Ocean?
10. EXPLAIN at least three dangerous affects ( results) of a Hurricane.

