

Experiment: Hurricanes
(E. Science 9-16-Hurricanes)

Purpose: To plot the paths of two hurricanes, and to compare the paths of two hurricanes that reached the Eastern United States.

Materials: pencils (red, blue)

Methods:

1. On the hurricane tracking chart in the results section on the reverse side of this lab, plot the path of Hurricane Doria for each day. Plot the path with the red pencil.
2. On the same hurricane tracking chart, plot the path of Hurricane Betsy for each day. Plot the path with the blue pencil.

Conclusions:

1. Where did Betsy hit land?
2. Where did Doria hit land?
3. In which general direction, north or south, do hurricanes move?
4. Why do hurricanes form over water?
5. Which areas of the United States are in the most danger from hurricanes?
6. What type of damage is caused by a hurricane?
7. What precautions should you take in preparation for a hurricane?

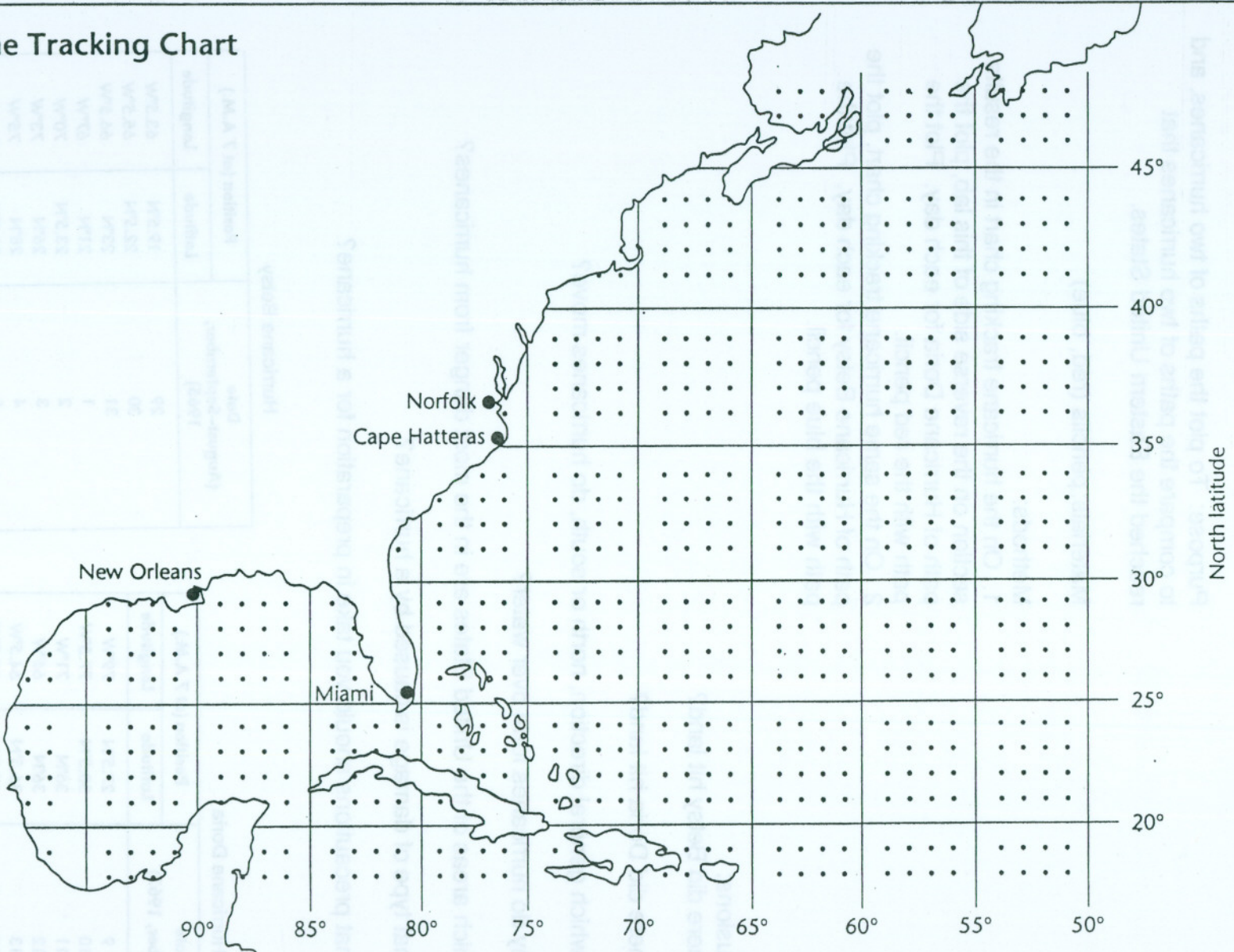
Hurricane Doria

Date (September, 1967)	Position (at 7 A.M.)	
	Latitude	Longitude
9	27.5°N	79°W
10	30.5°N	77.5°W
11	36°N	71°W
12	36°N	66°W
13	36.5°N	64.5°W
14	37.5°N	65.5°W
15	38.5°N	68°W
16	38°N	74.5°W
17	36°N	76°W

Hurricane Betsy

Date (August-September, 1965)	Position (at 7 A.M.)	
	Latitude	Longitude
29	19.5°N	63.5°W
30	22.5°N	65.5°W
31	23°N	66.5°W
1	21°N	67°W
2	23.5°N	70°W
3	26°N	73°W
4	28°N	75°W
5	28.5°N	76°W
6	29.5°N	76°W
7	25.5°N	78°W
8	25.5°N	81°W
9	26.5°N	87°W
10	29.5°N	90.5°W
11	33°N	92°W

Hurricane Tracking Chart



West longitude
FIGURE 44-1

Results:

Sec.: _____ Name: _____