

PS : ES Hurricane Dean (August 2007)

Name _____

Period _____

Some NOAA advisories for Hurricane Dean from 15 August to 20 August are listed below:

ADV	LAT	LON	TIME	WIND	PR	STAT
9	12.4	-46.0	08/15/15Z	50	997	TROPICAL STORM
10	13.1	-47.9	08/15/21Z	55	994	TROPICAL STORM
11	13.1	-50.2	08/16/03Z	60	991	TROPICAL STORM
11A	13.2	-51.3	08/16/06Z	60	991	TROPICAL STORM
12	13.4	-52.3	08/16/09Z	65	987	HURRICANE-1
12A	13.5	-53.3	08/16/12Z	70	985	HURRICANE-1
13	13.7	-54.3	08/16/15Z	80	979	HURRICANE-1
13A	13.8	-55.5	08/16/18Z	80	970	HURRICANE-1
14	14.0	-56.5	08/16/21Z	85	979	HURRICANE-2
14A	14.0	-57.8	08/17/00Z	85	979	HURRICANE-2
15	14.1	-58.7	08/17/03Z	85	976	HURRICANE-2
15A	14.3	-59.8	08/17/06Z	85	976	HURRICANE-2
16	14.3	-60.9	08/17/09Z	85	976	HURRICANE-2
16A	14.4	-61.7	08/17/12Z	85	970	HURRICANE-2
17	14.6	-62.6	08/17/15Z	90	964	HURRICANE-2
18	14.8	-63.6	08/17/17Z	110	961	HURRICANE-3
19	15.0	-64.5	08/17/21Z	110	961	HURRICANE-3
19A	14.9	-65.1	08/18/00Z	115	946	HURRICANE-4
20	14.9	-65.9	08/18/03Z	125	937	HURRICANE-4
20A	15.0	-66.7	08/18/06Z	130	930	HURRICANE-4
21	15.1	-67.3	08/18/09Z	130	930	HURRICANE-4
21A	15.4	-67.9	08/18/12Z	130	930	HURRICANE-4
22	15.7	-68.6	08/18/15Z	130	929	HURRICANE-4
22A	15.9	-69.4	08/18/18Z	130	930	HURRICANE-4
23	16.1	-70.2	08/18/21Z	130	930	HURRICANE-4
23A	16.0	-71.0	08/19/00Z	130	920	HURRICANE-4
24	16.2	-71.7	08/19/03Z	125	918	HURRICANE-4
24A	16.4	-72.6	08/19/06Z	125	921	HURRICANE-4
25	16.6	-73.4	08/19/09Z	125	921	HURRICANE-4
25A	16.8	-74.3	08/19/12Z	125	921	HURRICANE-4
26	17.0	-75.1	08/19/15Z	125	926	HURRICANE-4
26A	17.1	-76.0	08/19/18Z	125	930	HURRICANE-4
27	17.3	-76.8	08/19/21Z	125	930	HURRICANE-4
27A	17.5	-77.8	08/20/00Z	125	930	HURRICANE-4
28	17.6	-78.8	08/20/03Z	125	925	HURRICANE-4
28A	17.7	-79.7	08/20/06Z	130	926	HURRICANE-4
29	17.7	-80.7	08/20/09Z	130	926	HURRICANE-4
29A	17.8	-81.5	08/20/12Z	130	926	HURRICANE-4

1. Write down 3 questions about the data or the data table that you need to have answered in order to understand the data.

1. _____
2. _____
3. _____

2. On the accompanying map, plot the position of Hurricane Dean at each of the 5 **bold faced** advisories. Label each point with the advisory number, and connect the points with a smooth line.

3. Based upon the data table and/or the map, make and write down 3 observations about Hurricane Dean.

1. _____
2. _____
3. _____

4. Calculate the forward speed of the storm in knots between Advisory 21A and Advisory 25A. Use the back of page 1 to show your work.

Hurricane Dean Mid-August, 2007

Name _____

Class _____

