



Instruction Sheet: Hurricane Team

How to Track a Hurricane

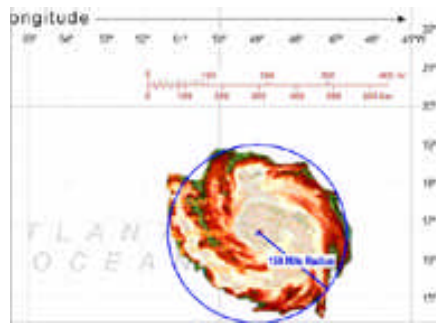
1 Download Real-Time Data

2 Record real time data in **Columns B-F**

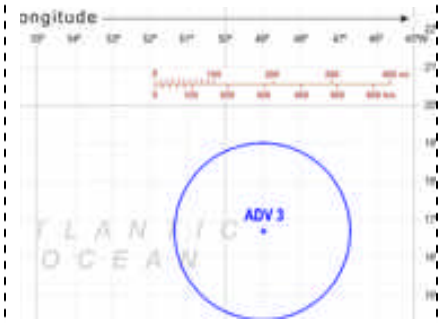
	A	B	C	D	E	F	G	H	I	J	K	L
	ADV	Lat. North	Lon. West	Time GMT	Wind kph* (mph)	Pressure	Saffir-Simpson Hurricane Scale	Distance traveled km (mi)	Speed kph (mph)	Direction of Hurr.	Distance to Island km (mi)	ETA Montserrat (hrs.)
	23	16.6	55.1	0:00	180	966.1	Hurricane-3					
	24	16.6	55.6	1:30	180	966.5	Hurricane-3					
	25	16.7	56.0	3:00	182	965.5	Hurricane-3					

3 Plot the storm on the map. Average radius of the storm is 225 km.

3A



3B



4 Determine the Saffir-Simpson "Category"

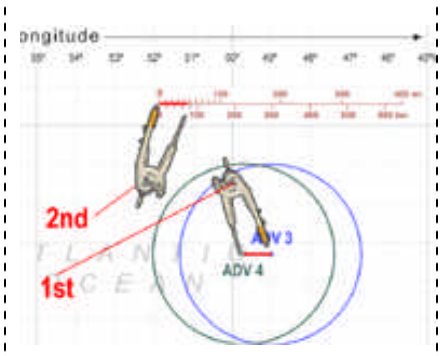
5 How far has it traveled?
(**Column H**)

Use the compass and the scale to determine how many miles or km it has traveled.

5A



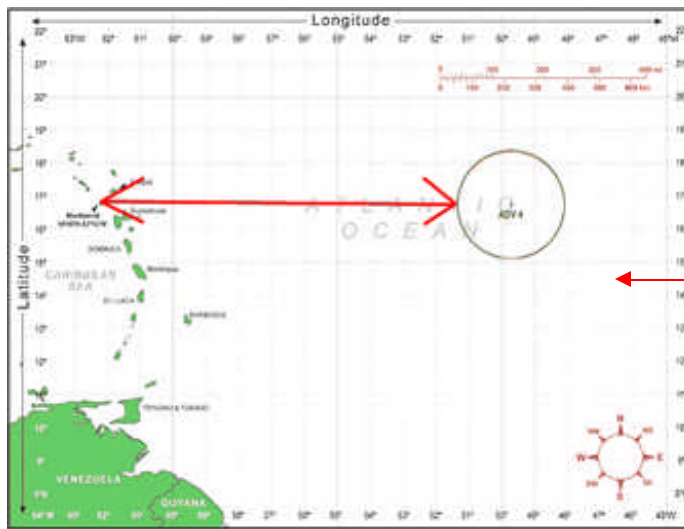
5B



6 How fast is it traveling?
(**Column I**)

Take Column H and divide by the time since the last advisory (1.5 hours for example)

7 Record the direction it is moving
(**Column J**)



8 Measure the distance from the edge of the storm to the island. Record in **Column K**

(See the figure on the left)

9 Estimated time of arrival = Column K divided by Column I. Record in **Column L**.