



Hurricane Team Mission Answer Key
Hurricane Tracking Data Sheet

Kilometers

	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.)
Archived	21	16.5	54.8	09/3 : 2100	124	996	Hurricane-1	n/a	n/a	n/a	540	n/a
	22	16.5	54.9	09/3 : 2230	161	978	Hurricane-2	10	7	W	530	79.5
Real Time Data	23	16.6	55.1	0:00	180	966.1	Hurricane-3	32	21.3	NW	480	22.5
	24	16.6	55.6	1:30	180	966.5	Hurricane-3	48	32.0	W	435	13.6
	25	16.7	56.0	3:00	182	965.5	Hurricane-3	40	26.7	NW	386	14.5
	26	16.6	56.4	4:30	182	967.1	Hurricane-3	40	26.7	SW	354	13.3
	27	16.7	56.7	6:00	182	966.1	Hurricane-3	32	21.3	NW	306	14.3
	28	16.9	57.0	7:30	182	967.1	Hurricane-3	32	21.3	NW	290	13.6
	29	17	57.3	9:00	180	966.8	Hurricane-3	32	21.3	NW	257	12.0
	30	17.1	57.7	10:30	176	975.3	Hurricane-2	48	32.0	NW	225	7.0
	31	17.4	58.3	12:00	168	978	Hurricane-2	64	42.7	NW	145	3.4
	32	17.7	58.9	13:30	168	975.3	Hurricane-2	64	42.7	NW	97	2.3
	33	18.4	59.5	15:00	160	969.9	Hurricane-2	80	53.3	NW	97	1.8
	34	18.7	59.9	16:30	160	965.1	Hurricane-2	64	42.7	NW	64	1.5
	35	19	60.3	18:00	160	962.1	Hurricane-2	64	42.7	NW	48	1.1
	36	19.4	60.8	19:30	152	965.5	Hurricane-2	56	37.3	NW	72	1.9
	37	19.8	61.3	21:00	152	969.9	Hurricane-2	80	53.3	NW	80	1.5

*Note: Most weather stations and meteorologists measure wind speed in "knots". Popular media converts this to "kilometers per hour" (kph), or "miles per hour" (mph).

For Reference: Saffir-Simpson Hurricane Scale

Winds*	Category	Severity
Less Than 118 kph (74 mph)	Tropical Storm	very weak
119-152 kph (74-95 mph)	1	weak
153-177 kph (96-110 mph)	2	moderate
178-209 kph (111-130 mph)	3	strong
210-248 kph (131-155 mph)	4	very strong
above 248 kph (155 mph)	5	devastating



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Miles

	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.
Archived	21	16.5	54.8	09/3 : 2100	77	996	Hurricane-1	n/a	n/a	n/a	335	n/a
	22	16.5	54.9	09/3 : 2230	100	978	Hurricane-2	6	4	W	330	82.5
Real Time Data	23	16.6	55.1	0:00	112	966.1	Hurricane-3	20	13.3	NW	300	22.5
	24	16.6	55.6	1:30	112	966.5	Hurricane-3	30	20.0	W	272	13.6
	25	16.7	56	3:00	114	965.5	Hurricane-3	25	16.7	NW	241	14.5
	26	16.6	56.4	4:30	114	967.1	Hurricane-3	25	16.7	SW	221	13.3
	27	16.7	56.7	6:00	114	966.1	Hurricane-3	20	13.3	NW	191	14.3
	28	16.9	57	7:30	114	967.1	Hurricane-3	20	13.3	NW	181	13.6
	29	17.0	57.3	9:00	112	966.8	Hurricane-3	20	13.3	NW	161	12.0
	30	17.1	57.7	10:30	110	975.3	Hurricane-2	30	20.0	NW	141	7.0
	31	17.4	58.3	12:00	105	978	Hurricane-2	40	26.7	NW	91	3.4
	32	17.7	58.9	13:30	100	975.3	Hurricane-2	40	26.7	NW	61	2.3
	33	18.4	59.5	15:00	100	969.9	Hurricane-2	50	33.3	NW	61	1.8
	34	18.7	59.9	16:30	100	965.1	Hurricane-2	40	26.7	NW	40	1.5
	35	19.0	60.3	18:00	100	962.1	Hurricane-2	40	26.7	NW	30	1.1
	36	19.4	60.8	19:30	95	965.5	Hurricane-2	35	23.3	NW	45	1.9
	37	19.8	61.3	21:00	95	969.9	Hurricane-2	50	33.3	NW	50	1.5

*Note: Most weather stations and meteorologists measure wind speed in "knots". Popular media converts this to "kilometers per hour" kph, or "miles per hour" mph.

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Winds*	Category	Severity
Less Than 74 mph (118 kph)	Tropical Storm	very weak
74-95 mph (119-152 kph)	1	weak
96-110 mph (153-177 kph)	2	moderate
111-130 mph (178-209 kph)	3	strong
131-155 mph (210-248 kph)	4	very strong
above 155 mph (248 kph)	5	devastating