

## Wind Storm Sunday/Monday November 15-16 Lorain

Wave Height at NOAA Buoy 45005 at US/Canadian border in Feet

	Significant Wave Height (WVHT):	4.3 ft
	Swell Height (SwH):	0.0 ft
	Wind Wave Height (WWH):	4.3 ft
	Wind Wave Period (WWP):	4.5 sec
	Wind Wave Direction (WWD):	WSW
	Wave Steepness (STEEPNESS):	VERY_STEEP
	Average Wave Period (APD):	3.9 sec

Previous observations

MM	DD	TIME (EST)	WVHT ft	SwH ft	SwP sec	SwD	WWH ft	WWP sec	WWD	STEEPNESS	APD sec
11	16	8:40 am	4.3	0.0	8.3	SSW	4.3	4.2	WSW	VERY_STEEP	3.9
11	16	7:40 am	4.3	0.0	7.7	NNW	4.3	4.3	WSW	VERY_STEEP	3.9
11	16	6:40 am	4.3	0.3	7.7	ESE	4.3	4.5	WSW	VERY_STEEP	4.0
11	16	5:40 am	4.6	0.3	9.1	W	4.6	4.8	WSW	VERY_STEEP	4.1
11	16	4:40 am	4.9	0.0	- -	- -	4.9	5.3	WSW	VERY_STEEP	4.4
11	16	3:40 am	5.2	0.0	- -	- -	5.2	5.0	WSW	VERY_STEEP	4.5
11	16	2:40 am	5.2	0.0	- -	- -	5.2	5.3	WSW	VERY_STEEP	4.7
11	16	1:40 am	5.9	0.3	9.1	NE	5.9	5.6	WSW	VERY_STEEP	4.7
11	16	12:40 am	5.9	0.3	9.1	SW	5.9	5.6	WSW	VERY_STEEP	4.8
11	15	11:40 pm	6.6	0.0	- -	- -	6.6	5.6	WSW	VERY_STEEP	5.1
11	15	10:40 pm	6.2	0.3	9.1	SW	6.2	5.6	WSW	VERY_STEEP	4.9
11	15	9:40 pm	6.9	0.0	- -	- -	6.9	5.9	SW	VERY_STEEP	4.8
11	15	8:40 pm	7.2	0.0	10.8	SW	7.2	5.9	WSW	VERY_STEEP	4.8
11	15	7:40 pm	7.2	0.0	10.0	E	7.2	5.6	WSW	VERY_STEEP	4.8
11	15	6:40 pm	7.5	0.3	10.8	WNW	7.5	5.9	WSW	VERY_STEEP	4.9
11	15	5:40 pm	7.9	0.0	- -	- -	7.9	5.6	WSW	VERY_STEEP	4.9
11	15	4:40 pm	7.2	0.3	12.1	SW	6.9	5.6	SW	VERY_STEEP	4.6
11	15	3:40 pm	6.9	0.0	- -	- -	6.9	5.9	SW	VERY_STEEP	4.7
11	15	2:40 pm	8.5	0.0	- -	- -	8.5	6.2	SW	VERY_STEEP	5.1
11	15	1:40 pm	7.5	0.3	10.8	SW	7.5	5.0	SW	VERY_STEEP	4.6
11	15	12:40 pm	4.9	0.0	- -	- -	4.9	4.8	S	VERY_STEEP	4.1
11	15	11:40 am	3.6	0.0	- -	- -	3.6	4.5	S	VERY_STEEP	3.8
11	15	10:40 am	3.9	0.0	10.0	SSW	3.9	4.8	S	VERY_STEEP	3.9

## Wind Speeds at LORO1 (Lorain Light) in knots.

11	15	7:30 pm	WSW	41	52
11	15	7:20 pm	WSW	46	54
11	15	7:10 pm	WSW	41	54
11	15	7:00 pm	WSW	41	52
11	15	6:50 pm	WSW	44	59
11	15	6:40 pm	WSW	48	57
11	15	6:30 pm	W	44	59
11	15	6:20 pm	W	48	61
11	15	6:10 pm	WSW	42	50
11	15	6:00 pm	W	42	49
11	15	5:50 pm	W	39	50
11	15	5:40 pm	W	41	50
11	15	4:50 pm	W	50	66
11	15	4:40 pm	W	53	62
11	15	4:30 pm	WSW	42	52
11	15	4:20 pm	WSW	36	53
11	15	4:10 pm	WSW	37	51
11	15	4:00 pm	WSW	43	56
11	15	3:50 pm	WSW	40	51
11	15	3:40 pm	WSW	46	53
11	15	3:30 pm	WSW	42	54
11	15	3:20 pm	WSW	38	49
11	15	3:10 pm	WSW	37	47
11	15	3:00 pm	WSW	41	52
11	15	2:50 pm	WSW	46	58
11	15	2:40 pm	WSW	48	53
11	15	2:30 pm	WSW	45	61
11	15	2:20 pm	WSW	46	54
11	15	2:10 pm	WSW	44	56
11	15	2:00 pm	WSW	43	53
11	15	1:50 pm	WSW	45	56
11	15	1:40 pm	WSW	43	56
11	15	1:30 pm	WSW	48	58
11	15	1:20 pm	WSW	45	55
11	15	1:10 pm	WSW	46	68
11	15	1:00 pm	WSW	54	64
11	15	12:50 pm	WSW	57	68
11	15	12:40 pm	WSW	56	65
11	15	12:30 pm	WSW	47	65
11	15	12:20 pm	WSW	49	57
11	15	12:10 pm	WSW	40	51
11	15	12:00 pm	WSW	34	42
11	15	11:50 am	WSW	37	51
11	15	11:40 am	WSW	42	58
11	15	11:30 am	WSW	53	69

40 knots = 46 mph

50 knots = 58 mph

60 knots = 69 mph

**Cat1 Hurricane starts at 74 mph (64 knots)**