

Frequency¹ of Astoria's Wind DIRECTION, based on Time of Day

How to use this table: For May, the wind at 1600 LST (4 pm) is from the NW 20.4% of the time. Using the table from the next page, it can be seen that the average wind speed for a NW wind at that time is 13 knots, or 15 mph.

Month & Local Time		Astoria's Wind Direction																
		C A L M	N 349° to 11°	NNE 11° to 34°	NE 34° to 56°	ENE 56° to 79°	E 79° to 101°	ESE 101° to 124°	SE 124° to 146°	SSE 146° to 169°	S 169° to 191°	SSW 191° to 214°	SW 214° to 236°	WSW 236° to 259°	W 259° to 281°	WNW 281° to 304°	NW 304° to 326°	NNW 326° to 349°
J A N	07	8.2	0.8	1.1	4.1	10.8	19.4	13.8	8.3	4.3	7.1	6.8	5.0	3.8	3.6	2.2	0.8	0.2
	13	4.2	3.2	4.1	9.1	13.4	13.8	6.5	3.1	2.3	8.0	9.0	7.3	4.9	4.4	3.0	2.3	1.7
	19	10.0	0.9	0.9	3.3	9.0	15.4	10.5	8.9	6.6	8.9	7.3	6.1	4.0	4.1	2.1	0.9	0.6
F E B	07	12.3	0.7	0.8	2.9	9.6	15.6	13.7	9.4	4.9	8.0	7.1	4.8	3.2	3.8	2.2	1.2	0.2
	13	2.9	6.4	4.0	9.5	10.0	7.1	4.7	2.6	3.6	9.2	10.2	7.8	4.8	4.2	3.9	4.8	4.3
	19	11.5	1.4	1.4	2.2	7.2	11.1	9.3	7.1	5.2	9.9	7.5	7.5	5.0	5.1	3.5	3.4	1.0
M A R	07	11.4	0.6	0.4	2.0	6.01	12.7	16.7	14.2	5.5	7.1	5.8	4.7	3.6	4.7	2.5	1.7	0.5
	13	0.9	6.4	5.1	6.1	3.4	2.5	2.7	3.1	2.7	8.7	11.1	12.6	7.1	5.7	7.0	9.1	5.8
	19	7.6	1.2	0.5	2.1	2.4	4.4	3.2	6.2	6.2	11.2	9.5	10.2	6.5	9.3	9.9	7.5	2.5
A P R	07	12.4	0.4	0.5	2.5	6.5	11.3	13.4	13.6	6.3	6.6	4.0	4.1	5.3	4.8	4.3	3.0	1.1
	13	0.4	4.2	2.4	2.1	1.3	1.5	0.9	1.1	1.8	6.0	10.8	14.4	12.1	11.0	11.4	11.8	7.2
	16	0.3	0.9	0.5	0.7	1.3	1.3	0.9	0.9	0.9	7.2	9.9	14.3	13.3	13.4	15.0	16.6	3.3
	19	5.0	0.9	0.4	0.7	0.7	2.2	2.2	2.0	2.8	7.3	8.9	12.5	11.0	13.0	14.7	13.4	3.1
M A Y	07	15.2	1.6	1.2	2.5	4.6	7.7	10.8	10.7	6.8	5.3	3.7	5.4	6.0	5.0	5.6	5.8	2.1
	13	0.4	2.7	1.0	1.1	0.6	0.3	0.2	0.5	0.5	2.7	8.0	14.8	13.7	14.8	14.4	20.1	5.7
	16	0.3	0.4	0.4	0.6	0.1	0.1	0.3	0.4	0.6	3.4	6.7	14.4	12.4	16.7	20.2	20.4	3.5
	19	1.6	0.6	0.2	0.5	0.2	0.5	0.8	0.7	1.1	5.2	7.7	11.8	10.8	16.3	20.3	17.8	4.4
J U N	07	15.2	2.9	0.9	2.3	3.4	5.7	8.8	9.0	5.2	5.4	5.0	6.5	4.5	6.7	6.2	7.8	5.3
	13	0.7	1.9	0.2	0.9	0.1	0.2	0.1	0.1	0.6	2.7	7.4	16.4	13.0	13.9	16.5	18.5	7.5
	16	0.2	0.4	0.1	0.4	0.2	0.4	0	0.1	0.4	2.7	6.4	14.3	14.2	15.5	19.9	22.1	4.0
	19	1.2	0.4	0.1	0.1	0.1	0.8	0.5	0.5	1.0	4.4	7.6	12.5	10.5	15.9	21.2	19.8	4.7
J U L	07	16.6	2.6	0.5	1.3	2.4	3.3	6.7	8.9	4.6	4.9	4.2	7.4	6.3	5.8	7.5	10.8	6.6
	13	0.1	1.4	0.4	0.3	0.1	0.1	0	0	0.4	1.9	5.4	11.2	12.8	14.5	20.9	25.2	6.6
	16	0.2	0.3	0.1	0.1	0.1	0	0	0.1	0.2	2.0	4.5	11.4	11.1	16.0	24.7	25.7	4.6
	19	0.3	0.5	0	0	0.1	0.1	0	0.1	0.6	2.5	5.4	11.3	12.5	14.8	24.2	23.5	5.3
A U G	07	16.7	1.8	0.7	1.0	1.4	4.9	10.4	13.9	6.2	6.7	5.2	8.7	4.5	4.5	3.4	7.0	3.2
	13	0.3	2.8	0.6	0.8	0.1	0.3	0.1	0.2	0.5	2.6	6.9	12.9	12.7	14.2	14.5	23.3	8.2
	16	0	0.3	0	0.1	0.1	0.1	0.1	0.1	0.5	3.2	6.4	11.5	13.4	14.3	24.0	23.3	3.8
	19	1.3	0.5	0.1	0	0.1	0.5	0.3	0.7	1.3	3.8	8.7	13.7	13.6	12.8	19.6	19.7	4.5
S E P	07	16.2	0.7	0.8	1.5	3.3	9.2	15.8	17.8	8.4	6.1	4.7	4.9	2.8	2.4	2.1	1.9	1.6
	13	0.9	5.7	3.3	4.9	2.8	1.3	0.5	0.4	1.3	4.8	8.3	14.5	10.8	7.9	7.9	16.3	9.4
	16	0.9	1.6	1.3	2.1	1.3	1.3	0.4	0.5	1.0	4.2	8.7	14.1	10.7	8.9	17.5	20.9	5.0
	19	5.8	1.6	1.2	1.2	1.0	1.4	1.9	2.7	2.8	7.9	11.5	13.8	9.6	8.8	11.6	13.4	5.1
O C T	07	14.8	0.6	0.4	2.1	6.4	12.0	16.8	17.6	6.6	6.1	5.2	4.1	2.5	1.7	1.2	1.1	1.1
	13	2.9	6.5	4.8	7.4	6.0	3.7	1.9	1.2	1.9	6.0	12.4	12.3	8.1	4.8	4.5	9.2	6.9
	16	3.0	2.5	1.7	3.2	5.0	4.3	1.6	1.5	2.8	8.7	11.8	13.3	7.4	7.6	9.8	12.3	3.9
	19	13.2	1.2	1.7	3.0	2.5	4.3	7.3	11.4	8.4	10.3	8.5	8.1	4.5	4.2	4.2	5.1	2.6
N O V	07	11.0	0.6	0.9	2.8	8.1	16.1	16.0	12.9	5.7	6.6	6.0	4.4	1.9	2.9	2.2	1.3	0.2
	13	4.2	3.9	4.9	8.9	9.3	10.5	5.3	3.7	4.9	10.1	8.7	6.9	4.7	4.2	3.9	3.4	2.1
	19	10.5	0.7	0.8	3.1	7.7	12.3	13.8	11.5	7.6	8.3	7.5	4.7	4.2	3.2	2.2	1.4	0.9
D E C	07	10.3	0.5	0.8	3.6	11.3	16.5	16.5	8.6	4.6	6.9	5.8	4.5	3.4	3.5	2.6	0.7	0.2
	13	5.8	2.8	2.6	7.9	14.6	12.8	8.2	4.7	3.9	7.7	7.4	5.9	4.0	4.2	3.7	2.2	1.3
	19	9.8	0.4	0.9	3.2	9.2	15.6	14.1	10.6	6.3	7.6	6.1	5.5	3.5	3.7	2.5	0.7	0.9

¹Data based on hourly observations 1949to 1995. Values may not equal 100% due to rounding.