Observed Weather Type Frequency¹

Astoria's hourly observations (1948-1995, pre-ASOS data) were categorized into groups of time. For example, at 10 am in January, snow was observed 2.3% of time, with rain 32% of the time, and fog 21% of the time. Overall, at 10 am in January, there was an obstruction to visibility 21% of the time.

FG Fog RA Rain and/or Drizzle SN Snow and/or Sleet TS Thunderstorms

VO Any obstruction to visibility, including rain, fog, snow, smoke, and blowing snow

Hour	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS	VO	FG	RA	SN	TS
	January					February					March				
1 am	19	19	32	1.4	0.1	16	16	27	0.6	0	11	11	25	0.5	0.1
4 am	19	19	33	1.5	0	17	17	31	0.7	0	16	16	28	0.5	0
7 am	19	18	31	2.3	0.1	19	19	32	0.8	0.1	16	6	27	0.8	0
10 am	21	21	32	2.3	0.1	17	17	29	0.7	0.1	10	10	26	0.6	0
1 pm	19	19	31	2.1	0	14	13	28	0.5	0	7	7	25	0.4	0.1
4 pm	18	18	33	1.8	0.1	14	14	30	0.6	0.1	9	9	26	0.4	0
7 pm	18	18	32	1.9	0.1	13	13	28	0.4	0.1	9	9	24	0.3	.01
10 pm	18	18	30	1.4	0.1	15	14	28	0.7	0	9	9	26	0.2	0
	April					May					June				
1 am	9	10	22	0	0.2	7	7	17	0	0	9	9	16	0	0.2
4 am	13	13	25	0.1	0	11	11	20	0	0	13	13	19	0	0.1
7 am	15	15	25	0.1	0	11	11	19	0	0	13	13	18	0	0.1
10 am	7	7	21	0	0.1	5	5	17	0	0	5	5	16	0	0
1 pm	5	5	20	0.1	0.1	4	4	14	0	0	3	3	11	0	0
4 pm	5	5	18	0	0.1	4	4	13	0	0	5	5	13	0	0
7 pm	8	7	19	0	0.2	5	5	13	0	0.3	5	5	13	0	0.1
10 pm	7	7	20	0	0	4	4	15	0	0	7	7	13	0	0
	July				August					September					
1 am	10	10	13	0	0.1	16	16	12	0	0.1	18	18	10	0	0
4 am	15	15	16	0	0.1	22	22	14	0	0	22	22	13	0	0.3
		13	10	Ů	0.1			- '					13	U	0.5
7 am	16	16	17	0	0	22	23	15	0	0.1	24	24	11	0	0.3
7 am 10 am	4				0	8			0	0.1	10				
	4 2	16	17	0	0	8	23	15	Ť		10 5	24	11	0	0.1
10 am	4 2 2	16 4	17 10 6 6	0	0 0.2	8 3 4	23 8 3 4	15 10	0	0.1	10 5 6	24 10 4 6	11	0	0.1 0.1 0.1 0
10 am 1 pm 4 pm 7 pm	4 2 2 4	16 4 2 2 4	17 10 6 6 7	0 0	0 0.2 0.1 0.1	8 3 4 7	23 8 3 4 7	15 10 7 7 8	0	0.1	10 5 6 8	24 10 4 6 8	11 9 10 8 11	0 0 0	0.1 0.1 0.1 0 0.2
10 am 1 pm 4 pm	4 2 2	16 4 2 2	17 10 6 6	0 0 0	0 0.2 0.1 0.1	8 3 4	23 8 3 4	15 10 7 7	0 0	0.1 0.1 0.1	10 5 6	24 10 4 6	11 9 10 8	0 0 0 0	0.1 0.1 0.1 0
10 am 1 pm 4 pm 7 pm	4 2 2 4 7	16 4 2 2 4 7	17 10 6 6 7 10	0 0 0 0 0	0 0.2 0.1 0.1	8 3 4 7 10	23 8 3 4 7 10	15 10 7 7 8	0 0 0 0	0.1 0.1 0.1 0	10 5 6 8 12	24 10 4 6 8 11	11 9 10 8 11 11	0 0 0 0 0	0.1 0.1 0.1 0 0.2
10 am 1 pm 4 pm 7 pm	4 2 2 4 7	16 4 2 2 4 7	17 10 6 6 7 10	0 0 0 0 0	0 0.2 0.1 0.1	8 3 4 7 10	23 8 3 4 7 10 No	15 10 7 7 8 9	0 0 0 0	0.1 0.1 0.1 0	10 5 6 8 12	24 10 4 6 8 11	11 9 10 8 11	0 0 0 0 0	0.1 0.1 0.1 0 0.2
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10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am	4 2 2 4 7 21 24 27	16 4 2 2 4 7	17 10 6 6 7 10 Octobe 18 18	0 0 0 0 0 0	0 0.2 0.1 0.1 0 0	8 3 4 7 10 16 17 20	23 8 3 4 7 10 No 16 17 20	15 10 7 7 8 9 vemb 27 28 26	0 0 0 0 0 0 er 0.2 0.2	0.1 0.1 0.1 0 0	10 5 6 8 12 17 17 18	24 10 4 6 8 11 De	11 9 10 8 11 11 cember 29 30 30	0 0 0 0 0 0	0.1 0.1 0 0 0.2 0.1
10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am	4 2 2 4 7 21 24 27 15	16 4 2 2 4 7 0 21 24 27 14	17 10 6 6 7 10 Ctobe 18 18 19	0 0 0 0 0 0 0 r	0 0.2 0.1 0.1 0 0	8 3 4 7 10 16 17 20 17	23 8 3 4 7 10 No 16 17 20	15 10 7 7 8 9 vemb 27 28 26 25	0 0 0 0 0 0 er 0.2 0.2 0.4 0.3	0.1 0.1 0.1 0 0 0 0.1 0.2 0.1	10 5 6 8 12 17 17 18 19	24 10 4 6 8 11 De 18 17 18	11 9 10 8 11 11 29 30 30 31	0 0 0 0 0 0 er 0.6 0.7 1.1	0.1 0.1 0.1 0 0.2 0.1 0 0 0.1
10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am	4 2 2 4 7 21 24 27 15 9	16 4 2 2 4 7 21 24 27 14 9	17 10 6 6 7 10 Octobe 18 18 19 17	0 0 0 0 0 0 0 r 0	0 0.2 0.1 0.1 0 0 0.1 0.3 0.1 0.1	8 3 4 7 10 16 17 20 17 12	23 8 3 4 7 10 No 16 17 20 17 12	15 10 7 7 8 9 vemb 27 28 26 25 29	0 0 0 0 0 0 er 0.2 0.2 0.4 0.3	0.1 0.1 0.1 0 0 0 0.1 0.2 0.1 0.1	10 5 6 8 12 17 17 18 19	24 10 4 6 8 11 De 18 17 18 19	11 9 10 8 11 11 11 cember 29 30 30 31 31	0 0 0 0 0 0 er 0.6 0.7 1.1 1.1	0.1 0.1 0 0.2 0.1 0 0.2
10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am 10 am 1 pm 4 pm	4 2 2 4 7 21 24 27 15 9	16 4 2 2 4 7 21 24 27 14 9	17 10 6 6 7 10 2ctobe 18 18 19 17 16	0 0 0 0 0 0 0 r 0 0	0 0.2 0.1 0.1 0 0 0.1 0.3 0.1 0.1 0.1	8 3 4 7 10 16 17 20 17 12 13	23 8 3 4 7 10 No 16 17 20 17 12 12	15 10 7 7 8 9 vemb 27 28 26 25 29	0 0 0 0 0 0 er 0.2 0.2 0.4 0.3 0.2	0.1 0.1 0.1 0 0 0.1 0.2 0.1 0.1 0.1	10 5 6 8 12 17 17 18 19 16 17	24 10 4 6 8 11 De 18 17 18 19 16	11 9 10 8 11 11 29 30 30 31 31 33	0 0 0 0 0 0 er 0.6 0.7 1.1 1.1	0.1 0.1 0.2 0.1 0 0 0 0.1 0.1 0.2
10 am 1 pm 4 pm 7 pm 10 pm 1 am 4 am 7 am 10 am 1 pm	4 2 2 4 7 21 24 27 15 9	16 4 2 2 4 7 21 24 27 14 9	17 10 6 6 7 10 Octobe 18 18 19 17	0 0 0 0 0 0 0 r 0 0 0	0 0.2 0.1 0.1 0 0 0.1 0.3 0.1 0.1	8 3 4 7 10 16 17 20 17 12	23 8 3 4 7 10 No 16 17 20 17 12	15 10 7 7 8 9 vemb 27 28 26 25 29	0 0 0 0 0 0 er 0.2 0.2 0.4 0.3	0.1 0.1 0.1 0 0 0 0.1 0.2 0.1 0.1	10 5 6 8 12 17 17 18 19	24 10 4 6 8 11 De 18 17 18 19	11 9 10 8 11 11 11 cember 29 30 30 31 31	0 0 0 0 0 0 er 0.6 0.7 1.1 1.1	0.1 0.1 0.1 0 0.2 0.1 0 0 0.1 0.2

¹Total percentages may not add to 100% due to rounding.

Also, not all weather listed, such as smoke and freezing rain, hail, blowing snow and blowing dust.