

# NOAA Monthly Summary Report

---

General station information (Station Name, City, State, Units of Measure, etc.) appears at the top of the report. For each day in the report, you can view the following information (and a total for the month):

- **Day**

Each row in the report shows information for a single day. The date for each row appears at the left of the row.

- **Mean Temperature**

The mean temperature for the day. At the bottom of the column, the mean temperature for the month is displayed.

If "Calculate using integration method" is checked in the Degree-Day section of the [NOAA setup dialog window](#), then the mean temperature is calculated by adding up all the temperature measurements for that day and then dividing by the number of samples. If "Calculate using integration method" is not checked in the NOAA setup, the mean temperature is the average of the daily high and low temperatures.

- **High Temperature & Time**

The high temperature for the day and the time at which it occurred. At the bottom of the column, the highest temperature recorded during the month and the day on which it occurred is displayed.

- **Low Temperature & Time**

The low temperature for the day and the time at which it occurred. At the bottom of the column, the lowest temperature recorded during the month and the day on which it occurred is displayed.

- **Heating Degree-Days**

The number of [heating degree-days](#) accumulated on each day. At the bottom of the column, the total heating degree-days accumulated during the month is displayed. Heating degree-days can be calculated using either the high/low summary or the integration methods. See [NOAA Setup](#) for more info.

- **Cooling Degree-Days**

The number of [cooling degree-days](#) accumulated on each day. At the bottom of the column, the total cooling degree-days accumulated during the month is displayed. Cooling degree-days can be calculated using either the high/low summary or the integration methods. See [NOAA Setup](#) for more info.

- **Rain**

The rainfall accumulated on each day. At the bottom of the column, the total rainfall accumulated during the month is displayed.

- **Average Wind Speed**

The average wind speed for each day. At the bottom of the column, the accumulated average wind speed during the month is displayed.

- **High Wind Speed & Time**

The high wind speed for each day and the time at which it occurred. At the bottom of the column, the highest wind speed for the month and the day on which it occurred is displayed.

- **Dominant Wind Direction**

The dominant wind direction for the day. At the bottom of the column, the dominant wind direction for the month is displayed.

At the bottom of the report, the following monthly information is summarized.

- **Max  $\geq 90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ )**

The number of days on which the daily high temperature was  $90^{\circ}\text{F}$  ( $32^{\circ}\text{C}$ ) or above.

- **Max  $\leq 32^{\circ}\text{F}$  ( $0^{\circ}\text{C}$ )**

The number of days on which the daily high temperature was  $32^{\circ}\text{F}$  ( $0^{\circ}\text{C}$ ) or below.

- **Min  $\leq 32^{\circ}\text{F}$  ( $0^{\circ}\text{C}$ )**

The number of days on which the daily low temperature was  $32^{\circ}\text{F}$  ( $0^{\circ}\text{C}$ ) or below.

- **Min  $\leq 0^{\circ}\text{F}$  ( $-18^{\circ}\text{C}$ )**

The number of days on which the daily low temperature was  $0^{\circ}\text{F}$  ( $-18^{\circ}\text{C}$ ) or below.

Note: Thresholds are always in whole degrees. It's therefore possible for the number of days in these last four items to be different, depending on whether you're using US or metric units. For example, if there were a daily high registered between  $9.6$  and  $89.9^{\circ}\text{F}$  the maximum would not count as  $\geq 90^{\circ}\text{F}$ ; however, if you were using metric units, the maximum would count as  $\geq 32^{\circ}\text{C}$  (the equivalent of  $90^{\circ}\text{F}$ ).

- **Max Rain**

The maximum daily rainfall during the month.

- **Days of Rain**

The number of days on which rainfall exceeded  $0.01''$  ( $0.2\text{ mm}$ ),  $0.1''$  ( $2\text{ mm}$ ), or  $1''$  ( $20\text{ mm}$ ) is displayed.

MONTHLY CLIMATOLOGICAL SUMMARY for APR. 2009

NAME: data CITY: Edmonds STATE: WA  
 ELEV: 0 ft LAT: 47° 48'41" N LONG: 122° 22' 57" W

TEMPERATURE (°F), RAIN (in), WIND SPEED (kt)

DAY	MEAN		TIME	LOW	TIME	HEAT	COOL	RAIN	AVG		TIME	DOM
	TEMP	HIGH				DEG	DEG		SPEED	HIGH		DIR
1	40.6	46.1	11:41p	35.8	10:06a	24.4	0.0	0.24	8.3	26.1	7:50a	SE
2	44.0	47.0	1:50a	41.1	11:55p	21.0	0.0	0.33	5.1	23.5	12:56a	NNE
3	41.3	47.3	5:53p	35.9	4:18a	23.7	0.0	0.10	3.4	11.3	3:40a	ESE
4	43.3	52.0	6:52p	34.3	6:41a	21.7	0.0	0.05	3.4	11.3	8:50p	ESE
5	48.4	59.5	4:54p	39.8	6:53a	16.0	0.0	0.04	3.0	11.3	6:15p	NNE
6	50.2	58.7	7:06p	41.6	7:22a	14.8	0.0	0.03	2.8	10.4	10:40p	ESE
7	49.8	55.7	8:34p	44.9	6:41a	15.2	0.0	0.00	6.6	19.1	3:13p	NNE
8	48.8	52.0	2:30p	45.7	4:51a	16.2	0.0	0.01	8.3	26.1	3:03a	S
9	49.3	55.7	5:24p	44.5	7:14a	15.7	0.0	0.00	5.2	16.5	12:50a	SSE
10	47.6	49.6	7:29p	46.1	11:33a	17.4	0.0	0.00	3.3	12.2	11:38p	SSW
11	49.5	52.3	3:49p	45.5	6:14a	15.5	0.0	0.00	9.0	26.1	10:47a	SSE
12	49.2	52.8	3:16p	44.9	11:36p	15.7	0.0	0.00	7.7	25.2	4:38p	SE
13	42.4	45.5	11:51a	39.2	3:05p	22.6	0.0	0.03	7.1	23.5	12:27a	S
14	43.8	49.2	6:53p	39.1	3:06a	21.2	0.0	0.02	9.8	27.0	9:42a	NW
15	43.8	52.9	6:17p	37.2	4:34a	21.2	0.0	0.00	5.7	17.4	12:54p	SSW
16	49.6	59.2	6:10p	38.5	6:19a	15.4	0.0	0.01	5.5	17.4	12:54p	S
17	50.5	56.3	1:57p	48.2	7:06a	14.5	0.0	0.00	7.6	24.3	1:21p	SSE
18	47.5	52.0	9:24p	39.9	6:41a	17.5	0.0	0.00	4.0	13.9	3:41p	NNW
19	51.5	56.2	6:55p	47.0	1:59a	13.5	0.0	0.01	3.6	11.3	9:25a	NE
20	52.2	59.2	6:25p	44.3	5:45a	12.8	0.0	0.00	3.2	18.3	4:01p	NNE
21	52.9	59.3	3:43p	47.9	10:33a	12.0	0.0	0.04	5.6	21.7	9:01p	NNE
22	47.8	52.9	12:01a	44.5	11:53p	17.2	0.0	0.02	6.9	38.3	8:19p	NNW
23	46.3	54.6	3:54p	41.8	4:04a	18.7	0.0	0.00	4.3	17.4	4:46p	ENE
24	47.4	58.1	5:16p	38.6	4:11a	17.6	0.0	0.00	4.9	16.5	9:41p	ESE
25	46.9	51.9	5:09p	42.9	11:51p	18.1	0.0	0.00	3.4	20.0	12:22a	SE
26	47.2	56.9	5:24p	39.8	3:35a	17.8	0.0	0.00	5.1	15.7	10:50a	SSW
27	50.2	54.7	5:01p	46.2	4:23a	14.8	0.0	0.00	8.3	22.6	6:02a	NNW
28	49.9	55.3	6:59p	46.2	11:19p	15.1	0.0	0.09	4.7	18.3	7:16p	SSW
29	50.1	55.4	5:12p	45.4	1:20a	14.9	0.0	0.01	2.9	11.3	9:17a	NNW
30	50.5	58.7	5:12p	41.2	5:48a	14.5	0.0	0.00	2.9	10.4	9:10a	NNE
	47.8	59.5	5	34.3	4	516.7	0.0	1.03	5.4	38.3	22	NNE

Max >= 90.0: 0  
 Max <= 32.0: 0  
 Min <= 32.0: 0  
 Min <= 0.0: 0

Max Rain: 0.33 ON 04/02/09

Days of Rain: 11 (>.01 in) 2 (>.1 in) 0 (>1 in)

Heat Base: 65.0 Cool Base: 65.0 Method: Integration