

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information
 Service

1981-2010 Station Normals of Temperature, Precipitation, and Heating and Cooling Degree Days

National Climatic Data Center
 Federal Building
 151 Patton Avenue
 Asheville, North Carolina 28801
 www.ncdc.noaa.gov

Station: RICHLAND, WA US

GHCND:USC00457015

Elev: 374 ft. Lat: 46.312° N Lon: 119.263° W

December							January							February						
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP
1	42	30	36	29	0	37.0% a	1	38	27	32	33	0	36.0% a	1	44	30	37	28	0	31.4% a
2	41	30	36	30	0	37.0% a	2	38	27	33	32	0	35.9% a	2	44	30	37	28	0	31.3% a
3	41	29	35	30	0	37.0% a	3	38	27	33	32	0	35.8% a	3	44	30	37	28	0	31.1% a
4	41	29	35	30	0	37.0% a	4	38	28	33	32	0	35.7% a	4	45	30	37	28	0	31.0% a
5	40	29	35	30	0	37.0% a	5	38	28	33	32	0	35.5% a	5	45	30	37	28	0	30.9% a
6	40	29	34	31	0	37.0% a	6	39	28	33	32	0	35.4% a	6	45	30	37	28	0	30.8% a
7	40	28	34	31	0	37.1% a	7	39	28	33	32	0	35.3% a	7	45	30	37	28	0	30.7% a
8	39	28	34	31	0	37.0% a	8	39	28	34	31	0	35.2% a	8	46	30	38	27	0	30.6% a
9	39	28	33	32	0	37.0% a	9	39	28	34	31	0	35.1% a	9	46	30	38	27	0	30.5% a
10	39	28	33	32	0	37.0% a	10	39	28	34	31	0	35.0% a	10	46	30	38	27	0	30.5% a
11	39	28	33	32	0	37.0% a	11	40	29	34	31	0	34.9% a	11	46	30	38	27	0	30.5% a
12	38	27	33	32	0	36.9% a	12	40	29	34	31	0	34.8% a	12	47	30	38	27	0	30.4% a
13	38	27	33	32	0	36.8% a	13	40	29	34	31	0	34.7% a	13	47	30	38	27	0	30.4% a
14	38	27	32	33	0	36.6% a	14	40	29	35	30	0	34.6% a	14	47	30	38	27	0	30.4% a
15	38	27	32	33	0	36.5% a	15	41	29	35	30	0	34.5% a	15	47	30	39	26	0	30.3% a
16	38	27	32	33	0	36.3% a	16	41	29	35	30	0	34.4% a	16	48	30	39	26	-7777	30.2% a
17	37	27	32	33	0	36.2% a	17	41	29	35	30	0	34.2% a	17	48	30	39	26	-7777	30.1% a
18	37	27	32	33	0	36.1% a	18	41	29	35	30	0	34.0% a	18	48	30	39	26	-7777	30.0% a
19	37	27	32	33	0	36.0% a	19	41	29	35	30	0	33.8% a	19	49	30	39	26	-7777	29.9% a
20	37	27	32	33	0	36.0% a	20	42	29	36	30	0	33.7% a	20	49	30	40	25	-7777	29.7% a
21	37	27	32	33	0	35.9% a	21	42	30	36	29	0	33.5% a	21	49	30	40	25	-7777	29.6% a
22	37	27	32	33	0	35.9% a	22	42	30	36	29	0	33.3% a	22	50	31	40	25	-7777	29.4% a
23	37	27	32	33	0	35.9% a	23	42	30	36	29	0	33.2% a	23	50	31	40	25	-7777	29.3% a
24	37	27	32	33	0	35.9% a	24	42	30	36	29	0	32.9% a	24	50	31	41	24	-7777	29.2% a
25	37	27	32	33	0	35.9% a	25	43	30	36	29	0	32.7% a	25	51	31	41	24	-7777	29.1% a
26	37	27	32	33	0	36.0% a	26	43	30	36	29	0	32.4% a	26	51	31	41	24	-7777	28.9% a
27	37	27	32	33	0	36.0% a	27	43	30	36	29	0	32.2% a	27	51	31	41	24	-7777	28.8% a
28	37	27	32	33	0	36.1% a	28	43	30	36	29	0	32.1% a	28	52	32	42	23	-7777	28.6% a
29	37	27	32	33	0	36.1% a	29	43	30	37	28	0	31.9% a							
30	38	27	32	33	0	36.1% a	30	44	30	37	28	0	31.8% a							
31	38	27	32	33	0	36.0% a	31	44	30	37	28	0	31.6% a							
MNTH:	38.3	27.4	32.8	996	0	1.12 b	MNTH:	40.7	28.8	34.8	938	0	1.01 b	MNTH:	47.4	30.1	38.8	735	-7777	0.77 b
Winter							Winter	42.0	28.7	35.4	2669	-7777	2.90 b							
Annual							Annual	64.2	42.2	53.2	5029	733	7.62 b							

a: Probability of precipitation >= 0.01 inches for 29-day windows centered on each day of the year.
 b: Long-term averages of seasonal or annual precipitation totals in Inches.

-4444: year-round risk of frost-freeze
 -6666: parameter undefined; insufficient occurrences to compute value
 -7777: a non-zero value that would round to zero
 blank: missing or insufficient data

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GHCND:USC00457015

Elev: 374 ft. Lat: 46.312° N Lon: 119.263° W

March							April							May						
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP
1	52	32	42	23	-7777	28.4% a	1	62	39	50	15	0	22.7% a	1	69	43	56	9	-7777	21.4% a
2	53	32	42	23	-7777	28.3% a	2	62	39	51	14	0	22.6% a	2	69	44	56	9	-7777	21.4% a
3	53	32	43	22	-7777	28.2% a	3	63	39	51	14	-7777	22.5% a	3	70	44	57	9	-7777	21.4% a
4	53	32	43	22	-7777	28.0% a	4	63	39	51	14	-7777	22.3% a	4	70	44	57	9	-7777	21.4% a
5	54	33	43	22	0	27.9% a	5	63	39	51	14	-7777	22.2% a	5	70	44	57	8	1	21.4% a
6	54	33	44	21	0	27.7% a	6	63	39	51	14	-7777	22.1% a	6	71	45	58	8	1	21.4% a
7	55	33	44	21	0	27.5% a	7	63	39	51	14	-7777	22.0% a	7	71	45	58	8	1	21.4% a
8	55	34	44	21	0	27.3% a	8	63	40	52	14	-7777	22.0% a	8	71	45	58	7	1	21.4% a
9	55	34	45	21	0	27.1% a	9	64	40	52	13	-7777	22.0% a	9	72	46	59	7	1	21.3% a
10	56	34	45	20	0	26.8% a	10	64	40	52	13	-7777	22.0% a	10	72	46	59	7	1	21.3% a
11	56	34	45	20	0	26.5% a	11	64	40	52	13	-7777	22.0% a	11	72	46	59	7	1	21.4% a
12	56	35	46	20	0	26.2% a	12	64	40	52	13	-7777	21.9% a	12	72	46	59	7	1	21.5% a
13	57	35	46	19	0	26.0% a	13	64	40	52	13	-7777	21.9% a	13	73	47	60	6	1	21.5% a
14	57	35	46	19	0	25.7% a	14	65	40	52	13	-7777	21.8% a	14	73	47	60	6	1	21.6% a
15	58	35	46	19	0	25.5% a	15	65	40	53	12	-7777	21.7% a	15	73	47	60	6	1	21.6% a
16	58	36	47	18	0	25.3% a	16	65	40	53	12	-7777	21.7% a	16	74	48	61	5	1	21.7% a
17	58	36	47	18	0	25.1% a	17	65	41	53	12	-7777	21.6% a	17	74	48	61	5	1	21.7% a
18	59	36	47	18	0	24.9% a	18	66	41	53	12	-7777	21.5% a	18	74	48	61	5	1	21.8% a
19	59	36	48	17	0	24.8% a	19	66	41	53	12	-7777	21.4% a	19	74	49	61	5	1	21.8% a
20	59	37	48	17	0	24.6% a	20	66	41	53	12	-7777	21.3% a	20	75	49	62	5	1	21.7% a
21	59	37	48	17	0	24.5% a	21	66	41	54	11	-7777	21.3% a	21	75	49	62	4	1	21.6% a
22	60	37	48	17	0	24.4% a	22	66	41	54	11	-7777	21.4% a	22	75	49	62	4	1	21.5% a
23	60	37	49	16	0	24.2% a	23	67	41	54	11	-7777	21.4% a	23	75	50	62	4	1	21.4% a
24	60	37	49	16	0	24.0% a	24	67	42	54	11	-7777	21.4% a	24	76	50	63	4	2	21.3% a
25	61	38	49	16	0	23.9% a	25	67	42	55	11	-7777	21.4% a	25	76	50	63	4	2	21.1% a
26	61	38	49	16	0	23.7% a	26	68	42	55	10	-7777	21.4% a	26	76	50	63	4	2	21.0% a
27	61	38	50	16	0	23.6% a	27	68	42	55	10	-7777	21.4% a	27	76	51	63	3	2	20.8% a
28	61	38	50	15	0	23.4% a	28	68	43	55	10	-7777	21.4% a	28	76	51	64	3	2	20.7% a
29	61	38	50	15	0	23.2% a	29	68	43	56	10	-7777	21.4% a	29	77	51	64	3	2	20.5% a
30	62	38	50	15	0	23.1% a	30	69	43	56	9	-7777	21.4% a	30	77	51	64	3	2	20.3% a
31	62	39	50	15	0	22.9% a								31	77	51	64	3	2	20.1% a
MNTH:	57.5	35.4	46.4	575	-7777	0.69 b	MNTH:	65.1	40.5	52.8	368	2	0.60 b	MNTH:	73.3	47.5	60.4	177	34	0.65 b
Spring							Spring	65.3	41.1	53.2	1119	36	1.94 b							
Annual							Annual	64.2	42.2	53.2	5029	733	7.62 b							

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Elev: 374 ft. Lat: 46.312° N Lon: 119.263° W

June							July							August						
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP
1	77	52	64	3	2	19.9% a	1	84	57	71	-7777	6	10.8% a	1	90	60	75	-7777	10	7.0% a
2	77	52	65	3	2	19.7% a	2	85	57	71	-7777	6	10.6% a	2	90	60	75	-7777	10	7.0% a
3	77	52	65	3	2	19.4% a	3	85	57	71	-7777	6	10.4% a	3	90	60	75	-7777	10	7.0% a
4	78	52	65	2	2	19.2% a	4	85	57	71	-7777	7	10.1% a	4	90	60	75	-7777	10	7.0% a
5	78	52	65	2	2	19.0% a	5	86	57	72	-7777	7	9.9% a	5	90	60	75	-7777	10	7.0% a
6	78	53	65	2	2	18.8% a	6	86	58	72	-7777	7	9.7% a	6	90	60	75	-7777	10	7.0% a
7	78	53	65	2	2	18.5% a	7	86	58	72	-7777	7	9.5% a	7	90	60	75	-7777	10	7.0% a
8	78	53	66	2	3	18.1% a	8	87	58	72	-7777	8	9.4% a	8	90	60	75	-7777	10	7.0% a
9	79	53	66	2	3	17.8% a	9	87	58	73	-7777	8	9.2% a	9	89	60	75	-7777	10	7.0% a
10	79	53	66	2	3	17.4% a	10	87	58	73	-7777	8	9.1% a	10	89	60	74	-7777	9	7.0% a
11	79	53	66	2	3	17.0% a	11	88	59	73	-7777	8	9.0% a	11	89	59	74	-7777	9	7.0% a
12	79	53	66	2	3	16.6% a	12	88	59	73	-7777	8	8.9% a	12	89	59	74	-7777	9	7.1% a
13	79	54	66	2	3	16.2% a	13	88	59	74	-7777	9	8.8% a	13	89	59	74	-7777	9	7.2% a
14	80	54	67	1	3	15.8% a	14	88	59	74	-7777	9	8.6% a	14	88	59	74	-7777	9	7.3% a
15	80	54	67	1	3	15.4% a	15	89	59	74	-7777	9	8.5% a	15	88	59	73	-7777	8	7.3% a
16	80	54	67	1	3	15.0% a	16	89	59	74	-7777	9	8.4% a	16	88	59	73	-7777	8	7.4% a
17	80	54	67	1	4	14.6% a	17	89	60	74	-7777	9	8.2% a	17	88	58	73	-7777	8	7.6% a
18	80	54	67	1	4	14.2% a	18	89	60	75	-7777	10	8.1% a	18	87	58	73	-7777	8	7.7% a
19	81	55	68	1	4	13.9% a	19	90	60	75	-7777	10	8.0% a	19	87	58	73	-7777	8	7.8% a
20	81	55	68	1	4	13.6% a	20	90	60	75	-7777	10	7.8% a	20	87	58	72	-7777	7	8.0% a
21	81	55	68	1	4	13.3% a	21	90	60	75	-7777	10	7.7% a	21	87	58	72	-7777	7	8.1% a
22	82	55	68	1	4	13.0% a	22	90	60	75	-7777	10	7.6% a	22	86	57	72	-7777	7	8.3% a
23	82	55	69	1	4	12.7% a	23	90	60	75	-7777	10	7.5% a	23	86	57	72	-7777	7	8.4% a
24	82	55	69	1	5	12.4% a	24	90	60	75	-7777	10	7.4% a	24	86	57	71	-7777	7	8.5% a
25	82	56	69	1	5	12.2% a	25	90	60	75	-7777	10	7.3% a	25	85	57	71	-7777	6	8.6% a
26	83	56	69	1	5	11.9% a	26	90	60	75	-7777	10	7.2% a	26	85	56	71	-7777	6	8.7% a
27	83	56	69	1	5	11.7% a	27	90	60	75	-7777	10	7.2% a	27	85	56	71	-7777	6	8.8% a
28	83	56	70	1	5	11.5% a	28	90	61	75	-7777	10	7.1% a	28	85	56	70	-7777	6	8.9% a
29	84	56	70	1	6	11.3% a	29	90	61	75	-7777	10	7.1% a	29	84	56	70	-7777	5	9.0% a
30	84	56	70	1	6	11.0% a	30	90	61	75	-7777	10	7.1% a	30	84	55	70	1	5	9.2% a
							31	90	60	75	-7777	10	7.0% a	31	84	55	69	1	5	9.3% a
MNTH:	80.1	54.0	67.0	44	106	0.50 b	MNTH:	88.3	59.1	73.7	5	274	0.25 b	MNTH:	87.5	58.3	72.9	5	250	0.16 b
							Summer	85.3	57.1	71.2	54	630	0.91 b							
							Annual	64.2	42.2	53.2	5029	733	7.62 b							

a: Probability of precipitation >= 0.01 inches for 29-day windows centered on each day of the year.
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September							October							November										
DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP	DATE	MAX	MIN	AVG	HDD	CDD	PRCP				
1	83	55	69	1	5	9.4% a	1	72	45	58	7	-7777	12.1% a	1	56	37	47	18	0	27.0% a				
2	83	55	69	1	4	9.5% a	2	72	45	58	7	-7777	12.3% a	2	56	37	46	19	0	27.6% a				
3	83	54	69	1	4	9.6% a	3	71	44	58	8	-7777	12.5% a	3	55	36	46	19	0	28.2% a				
4	82	54	68	1	4	9.7% a	4	71	44	57	8	-7777	12.7% a	4	55	36	46	20	0	28.9% a				
5	82	54	68	1	4	9.8% a	5	70	44	57	8	-7777	12.9% a	5	54	36	45	20	0	29.5% a				
6	82	53	68	1	4	10.0% a	6	70	43	56	9	-7777	13.2% a	6	54	36	45	20	0	30.0% a				
7	82	53	67	1	3	10.1% a	7	69	43	56	9	-7777	13.5% a	7	53	36	45	21	0	30.5% a				
8	81	53	67	1	3	10.2% a	8	69	43	56	10	-7777	13.8% a	8	53	36	44	21	0	31.0% a				
9	81	53	67	1	3	10.4% a	9	68	42	55	10	-7777	14.1% a	9	52	35	44	21	0	31.6% a				
10	81	52	66	2	3	10.5% a	10	68	42	55	10	-7777	14.4% a	10	52	35	43	22	0	32.0% a				
11	80	52	66	2	3	10.6% a	11	67	42	54	11	-7777	14.8% a	11	51	35	43	22	0	32.5% a				
12	80	52	66	2	3	10.7% a	12	67	41	54	11	-7777	15.2% a	12	51	35	43	22	0	32.9% a				
13	79	51	65	2	2	10.8% a	13	66	41	53	12	-7777	15.6% a	13	50	34	42	23	0	33.3% a				
14	79	51	65	2	2	10.9% a	14	65	41	53	12	-7777	16.0% a	14	50	34	42	23	0	33.7% a				
15	79	51	65	2	2	11.0% a	15	65	40	53	12	-7777	16.5% a	15	49	34	42	23	0	34.1% a				
16	78	50	64	3	2	11.1% a	16	64	40	52	13	-7777	17.1% a	16	49	34	41	24	0	34.5% a				
17	78	50	64	3	2	11.1% a	17	64	40	52	13	-7777	17.6% a	17	48	34	41	24	0	34.9% a				
18	78	50	64	3	2	11.1% a	18	63	40	52	14	-7777	18.1% a	18	48	33	41	24	0	35.3% a				
19	77	49	63	3	2	11.2% a	19	63	39	51	14	-7777	18.7% a	19	47	33	40	25	0	35.6% a				
20	77	49	63	4	1	11.2% a	20	62	39	51	14	-7777	19.3% a	20	47	33	40	25	0	35.8% a				
21	76	49	63	4	1	11.2% a	21	62	39	50	15	-7777	20.0% a	21	46	33	39	26	0	36.0% a				
22	76	48	62	4	1	11.2% a	22	61	39	50	15	-7777	20.7% a	22	46	32	39	26	0	36.3% a				
23	76	48	62	4	1	11.2% a	23	61	38	50	15	-7777	21.3% a	23	45	32	39	26	0	36.5% a				
24	75	48	61	5	1	11.2% a	24	60	38	49	16	-7777	22.0% a	24	45	32	38	27	0	36.6% a				
25	75	47	61	5	1	11.3% a	25	60	38	49	16	-7777	22.6% a	25	44	32	38	27	0	36.7% a				
26	74	47	61	5	1	11.4% a	26	59	38	49	16	-7777	23.3% a	26	44	31	38	27	0	36.8% a				
27	74	46	60	5	-7777	11.4% a	27	59	38	48	17	-7777	23.9% a	27	44	31	37	28	0	36.9% a				
28	73	46	60	6	-7777	11.5% a	28	58	37	48	17	-7777	24.6% a	28	43	31	37	28	0	36.9% a				
29	73	46	59	6	-7777	11.7% a	29	58	37	48	17	-7777	25.2% a	29	43	30	37	29	0	36.9% a				
30	72	45	59	6	-7777	11.9% a	30	57	37	47	18	-7777	25.8% a	30	42	30	36	29	0	37.0% a				
							31	57	37	47	18	0	26.4% a											
MNTH:	78.3	50.3	64.3	87	66	0.31 b	MNTH:	64.4	40.4	52.4	392	1	0.54 b	MNTH:	49.1	33.7	41.4	708	0	1.02 b				
							Autumn	63.9	41.4	52.7	1187	67	1.87 b											
							Annual	64.2	42.2	53.2	5029	733	7.62 b											

a: Probability of precipitation >= 0.01 inches for 29-day windows centered on each day of the year.
 b: Long-term averages of seasonal or annual precipitation totals in Inches.

-4444: year-round risk of frost-freeze
 -6666: parameter undefined; insufficient occurrences to compute value
 -7777: a non-zero value that would round to zero
 blank: missing or insufficient data