

ORNL - Local Climate Data -

DECEMBER 2021

Date	Temperature												Degree Days				Precipitation		Pressure	Solar Rad	Wind	Resultant			
	ORNL	ORNL	ORNL	ORNL	ORNL	ORNL	KOQT	KOQT	ORNL	KOQT	ORNL	KOQT	Dew Pt. C	Wt Bulb C	Heating	Cooling	Significant Weather	Water (in)	Snow (in)	Avg. (in)	Avg W/m ²	Direction	Wind Spd	Wind Spd	Pk Speed
	Max. C	Min. C	Hr Avg. C	Max. F	Min. F	Hr Avg. F	Max. F	Min. F	Avg. F	Avg. F	DFN	DFN													
01	14.6	-0.5	6.8	58	31	44	58	33	45	46	1.0	2.0	3.6	5.3	20	0	F	0.00	0.0	29.26	83.1	239.9	0.8	1.6	9.5
02	21.6	3.7	11.4	71	39	52	71	42	55	57	11.3	13.3	5.5	8.4	10	0		0.00	0.0	29.20	142.2	227.6	2.9	3.2	17.8
03	22.5	3.2	11.2	73	38	52	73	41	56	57	12.6	13.6	5.5	8.6	9	0		0.00	0.0	29.20	144.2	221.7	2.3	2.6	14.7
04	19.8	5.9	12.7	68	43	55	67	45	55	56	11.9	12.9	9.3	11.3	10	0		0.00	0.0	29.25	100.3	203.4	0.5	1.9	11.0
05	13.2	8.2	11.2	56	47	52	57	49	52	53	9.1	10.1	10.4	10.7	13	0	R	0.07	0.0	29.24	26.6	347.8	0.2	1.6	6.8
06	16.6	0.3	10.7	62	33	51	62	34	48	48	5.4	5.4	9.2	9.1	17	0	R	0.50	0.0	29.17	36.3	241.4	4.3	5.5	32.6
07	7.1	-2.6	2.5	45	27	37	45	31	36	38	-6.3	-4.3	-2.9	-1.9	29	0		0.00	0.0	29.30	132.4	54.2	2.3	2.8	17.3
08	11.7	-0.6	5.1	53	31	41	53	33	42	43	-0.1	0.9	0.6	1.9	23	0	R	0.01	0.0	29.18	112.8	207.1	1.0	2.4	13.0
09	11.2	-2.4	3.9	52	28	39	52	29	40	41	-1.8	-0.8	0.5	1.7	25	0		0.00	0.0	29.23	79.8	272.9	0.2	2.2	13.1
10	10.5	8.5	9.6	51	47	49	52	48	49	50	7.4	8.4	8.7	8.9	16	0	F, R	0.20	0.0	29.18	18.5	229.5	0.7	1.8	8.7
11	20.7	3.9	12.6	69	39	55	70	40	54	55	12.7	13.7	10.5	10.6	11	0	F, R, TS	0.98	0.0	29.07	10.8	232.9	5.4	6.0	36.2
12	9.3	-1.8	2.6	49	29	37	49	30	39	40	-2.1	-1.1	-2.3	-0.8	26	0		0.00	0.0	29.46	146.8	51.1	2.4	2.7	19.5
13	12.7	-3.5	2.6	55	26	37	55	27	41	41	0.1	0.1	-0.9	1.1	24	0	F	0.00	0.0	29.53	137.4	158.0	0.5	1.3	11.0
14	15.9	-1.9	4.9	61	29	41	62	30	45	46	4.3	5.3	0.5	2.8	20	0	F	0.00	0.0	29.57	144.5	79.7	1.8	2.1	13.6
15	17.6	-0.6	6.9	64	31	44	63	32	48	48	7.6	7.6	1.6	4.4	17	0	F	0.00	0.0	29.50	138.3	226.8	1.5	2.2	13.4
16	21.3	7.0	14.2	70	45	58	69	51	58	60	17.8	19.8	9.6	11.3	7	0	R	0.34	0.0	29.33	114.7	224.9	4.9	5.1	32.8
17	18.2	12.1	15.0	65	54	59	65	56	60	61	19.9	20.9	14.5	14.8	5	0	F, R	0.01	0.0	29.30	31.7	227.9	2.7	2.8	12.1
18	19.1	11.0	14.5	66	52	58	66	52	59	59	19.1	19.1	14.2	14.4	6	0	F, R, TS	0.85	0.0	29.15	21.9	242.3	2.5	2.9	20.5
19	10.8	2.0	6.0	51	36	43	52	36	44	44	4.3	4.3	3.5	3.7	21	0	R	0.03	0.0	29.31	52.8	32.5	3.2	3.6	17.0
20	8.3	-0.3	2.8	47	31	37	47	32	39	40	-0.5	0.5	-0.7	0.5	26	0		0.00	0.0	29.37	117.4	56.7	1.6	2.7	14.8
21	9.1	0.4	4.3	48	33	40	50	34	41	42	1.6	2.6	2.0	2.7	24	0		0.00	0.0	29.14	63.8	56.8	0.4	2.1	10.6
22	9.5	-2.6	2.6	49	27	37	49	30	38	40	-1.2	0.8	-2.7	-0.8	27	0		0.00	0.0	29.17	138.7	254.8	2.4	3.1	15.4
23	13.5	-4.8	2.4	56	23	36	54	25	40	40	0.9	0.9	-3.9	-2.0	25	0		0.00	0.0	29.32	148.4	220.6	1.5	2.3	16.3
24	16.8	-1.1	6.8	62	30	44	62	38	46	50	7.1	11.1	3.3	4.5	19	0		0.00	0.0	29.19	41.5	227.1	3.0	3.3	35.6
25	20.5	14.3	16.9	69	58	62	69	59	64	64	25.2	25.2	12.3	13.9	1	0		0.00	0.0	29.02	52.3	217.4	7.8	7.9	31.9
26	22.0	9.1	14.2	72	48	57	72	51	60	62	21.4	23.4	10.7	12.9	5	0	F	0.00	0.0	29.14	126.5	203.8	1.3	2.0	10.8
27	19.0	9.1	16.4	66	48	61	66	50	57	58	18.5	19.5	14.0	14.7	8	0		0.00	0.0	29.06	15.4	218.9	4.9	5.1	19.8
28	22.6	13.6	17.9	73	56	64	72	58	65	65	26.6	26.6	15.1	16.0	0	0	R	0.38	0.0	28.98	53.0	222.1	5.3	5.6	36.5
29	18.0	13.1	15.8	64	56	60	65	55	60	60	21.7	21.7	15.4	15.1	5	0	F, R, TS	1.23	0.0	28.99	24.6	226.1	0.7	4.1	16.2
30	19.2	8.8	14.2	67	48	58	67	51	58	59	19.8	20.8	13.3	13.8	7	0	F	0.00	0.0	29.04	61.8	250.5	1.7	2.2	11.8
31	15.9	7.9	12.8	61	46	55	61	49	54	55	14.4	15.4	12.5	12.7	11	0	F	0.00	0.0	29.07	27.7	254.3	0.8	1.6	10.5
Avg/Sum	15.8	3.9	9.4	60.4	38.9	48.9	60.5	41.0	49.9	50.9	9.3	10.3	6.2	7.4	467.0	0.0	F, R, TS	4.60	0.0	29.22	82.1		2.3	3.1	17.8
Max	22.6	14.3	17.9	72.7	57.7	64.1	73.0	59.0	65.0	65.0	26.6	26.6	15.4	16.0	29.0	0.0		1.23	0.0	29.57	148.4		7.8	7.9	36.5
Min	7.1	-4.8	2.4	44.8	23.4	36.3	45.0	25.0	36.0	38.0	-6.3	-4.3	-3.9	-2.0	0.0	0.0		0.00	0.0	28.98	10.8		0.2	1.3	6.8