

ORNL - Local Climate Data -

JULY 2017

Date	Temperature							Degree Days						Precipitation		Pressure	Solar Rad	Wind Direction	Resultant						
	ORNL	ORNL	ORNL	ORNL	ORNL	ORNL	KOQT	KOQT	ORNL	KOQT	ORNL	KOQT	Significant Weather	Water (in)	Snow (in)				Avg. (in)	Avg W/m ²	deg	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				Dew Pt. C	Wt Bulb C	Heating							Cooling
01	30.6	20.7	24.4	87	69	76	89	70	78	80	0.1	2.1	21.6	22.5	0	13	R, TSTM	0.58	0.0	29.13	183.1	223.2	3.3	4.1	20.4
02	27.6	19.5	22.5	82	67	73	84	68	75	76	-3.0	-2.0	19.7	20.7	0	10		0.00	0.0	29.21	183.9	241.4	0.6	1.8	8.7
03	30.4	20.0	23.8	87	68	75	89	69	78	79	-0.1	0.9	20.7	21.7	0	13	TSTM	0.00	0.0	29.17	262.5	241.2	1.9	2.4	15.3
04	27.8	19.4	23.0	82	67	73	83	70	75	76	-3.2	-2.2	20.7	21.5	0	10	R	0.16	0.0	29.14	166.7	231.3	1.5	2.5	14.4
05	30.6	20.5	23.4	87	69	74	89	69	78	79	-0.3	0.7	21.2	21.9	0	13	R, TSTM	0.18	0.0	29.20	174.7	215.1	2.3	2.8	31.4
06	29.1	19.7	23.3	84	67	74	85	69	76	77	-2.3	-1.3	20.7	21.5	0	11	R, TSTM	0.25	0.0	29.17	193.3	224.2	3.0	3.4	43.1
07	30.0	21.5	24.9	86	71	77	88	71	79	80	0.6	1.6	21.3	22.5	0	14	R	Trace	0.0	29.11	232.4	228.3	2.8	3.0	16.0
08	28.7	19.0	23.3	84	66	74	84	70	75	77	-3.4	-1.4	19.0	20.4	0	10	R, STSTM	1.22	0.0	29.08	220.2	224.5	2.0	3.2	28.0
09	32.5	18.1	24.3	91	65	76	87	66	78	76	-0.5	-2.5	17.0	19.3	0	13		0.00	0.0	29.16	307.7	265.6	0.5	1.8	10.1
10	31.2	15.0	22.9	88	59	73	91	63	74	77	-4.5	-1.5	15.8	18.5	0	9		0.00	0.0	29.16	489.5	280.8	0.2	1.8	9.5
11	32.2	16.4	24.0	90	62	75	92	64	76	78	-2.6	-0.6	17.8	20.0	0	11		0.00	0.0	29.15	347.8	226.5	1.6	2.1	11.2
12	32.5	18.7	24.9	91	66	77	92	69	79	80	0.4	1.4	20.1	21.9	0	14		0.00	0.0	29.21	310.7	230.5	1.8	2.4	12.1
13	31.9	20.9	25.7	89	70	78	91	74	80	82	1.4	3.4	21.3	23.2	0	15	R, TSTM	0.08	0.0	29.23	291.3	246.8	2.2	2.8	14.9
14	32.3	20.8	24.2	90	69	76	91	73	80	82	1.4	3.4	20.8	22.3	0	15	R, TSTM	0.09	0.0	29.21	262.4	244.9	2.1	3.0	23.6
15	28.9	21.1	23.9	84	70	75	86	72	77	79	-1.6	0.4	21.1	22.2	0	12	R	0.02	0.0	29.15	188.4	242.3	2.1	2.3	12.6
16	31.5	20.8	25.2	89	69	77	91	69	79	80	0.4	1.4	19.5	21.4	0	14		0.00	0.0	29.08	330.4	352.8	1.0	2.0	11.4
17	31.7	18.1	24.3	89	65	76	93	66	77	80	-1.6	1.4	18.5	20.5	0	12		0.00	0.0	29.08	306.8	255.0	1.1	2.0	10.0
18	32.3	18.8	25.2	90	66	77	93	69	78	81	-0.6	2.4	19.3	21.6	0	13		0.00	0.0	29.16	326.7	253.0	1.4	2.0	10.7
19	32.8	20.5	26.1	91	69	79	95	70	80	82	1.4	3.4	19.7	21.8	0	15		0.00	0.0	29.19	344.8	260.4	1.8	2.4	12.2
20	33.0	19.1	25.9	91	66	79	93	69	79	81	0.4	2.4	19.6	22.0	0	14		0.00	0.0	29.17	292.7	246.4	0.8	1.8	10.2
21	34.2	21.5	27.5	94	71	81	95	73	83	84	4.4	5.4	21.1	23.6	0	18		0.00	0.0	29.11	304.2	286.0	0.6	2.5	10.8
22	35.1	22.2	27.8	95	72	82	96	74	84	85	5.4	6.4	21.7	24.1	0	19	TSTM	0.00	0.0	29.05	296.8	231.9	2.6	4.7	16.8
23	30.6	21.8	26.5	87	71	80	90	70	79	80	0.4	1.4	22.1	24.0	0	14	R, TSTM	1.84	0.0	28.99	220.6	236.5	3.0	6.3	14.6
24	31.6	20.1	25.0	89	68	77	92	70	79	81	0.4	2.4	20.1	21.8	0	14	R	0.69	0.0	29.04	330.0	254.3	1.1	3.1	25.3
25	32.8	19.8	25.7	91	68	78	94	69	80	82	1.4	3.4	20.1	22.2	0	15		0.00	0.0	29.16	309.4	281.7	0.5	3.1	11.7
26	33.2	18.9	25.7	92	66	78	94	68	79	81	0.4	2.4	19.7	22.0	0	14		0.00	0.0	29.17	319.6	255.7	0.4	3.2	10.6
27	30.5	22.1	24.8	87	72	77	88	70	80	79	1.4	0.4	21.4	23.0	0	15	R	0.38	0.0	29.08	203.2	229.8	2.0	5.0	24.1
28	26.1	22.0	23.8	79	72	75	80	72	76	76	-2.6	-2.6	22.2	23.3	0	11	R	0.77	0.0	28.92	101.9	233.7	2.7	6.1	17.0
29	27.8	18.3	22.9	82	65	73	84	67	74	76	-4.6	-2.6	17.4	19.3	0	9		0.00	0.0	28.95	298.8	16.4	2.6	7.0	22.1
30	28.3	17.2	22.3	83	63	72	86	64	73	75	-5.6	-3.6	15.0	17.3	0	8		0.00	0.0	29.12	356.3	56.2	4.0	8.7	25.3
31	29.9	15.5	22.3	86	60	72	88	61	73	74	-5.5	-4.5	14.8	17.3	0	8		0.00	0.0	29.19	343.8	51.1	2.0	5.2	13.0
Avg/Sum	30.9	19.6	24.5	87.6	67.3	76.1	89.5	69.0	77.8	79.2	-0.7	0.7	19.7	21.5	0.0	396.0	R, TSTM	6.26	Trace	29.13	274.2		1.8	3.4	16.7
Max	35.1	22.2	27.8	95.2	72.0	82.0	96.0	74.0	84.0	85.0	5.4	6.4	22.2	24.1	0.0	19.0		1.84	Trace	29.23	489.5		4.0	8.7	43.1
Min	26.1	15.0	22.3	79.0	59.0	72.2	80.0	61.0	73.0	74.0	-5.6	-4.5	14.8	17.3	0.0	8.0		0.00	0.0	28.92	101.9		0.2	1.8	8.7