

Local Climatological Data
Daily Summary
May 2021

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W

Generated on 06/08/2021

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather	Precipitation (in)			Pressure (inHg)		Wind	Maximum Wind Speed = MPH			
	Max	Min	Avg	Dep	ARH	ADP	AWB	Heat	Cool	Rise	Set		TLC	Snow Fall	Snow Depth	Avg Stn	Avg SL		Avg Speed	Direction = Degrees		
																		Peak Speed		Peak Dir	Sust. Speed	Sust. Dir
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	77	47	62	-0.4				3	0	0545	1924	HZ	0.00			29.13		1.6	14	060	9	080
02	76	46	61	-1.7				4	0	0544	1925	RA	0.01			29.00		0.8	11	190	7	270
03	80	62	71	8.1				0	6	0542	1926	RA FG BR	0.88			28.82		1.4	27	290	17	270
04	71	62	67	3.8				0	2	0541	1927	RA FG BR	2.91			28.91		0.0	*		*	
05	71	49	60	-3.4				5	0	0540	1927	RA BR	T			28.98			*		*	
06	72	43	58	-5.7				7	0	0539	1928	RA FG BR	T			29.11		1.8	24	270	13	270
07	68	50	59	-4.9				6	0	0538	1929		0.00			29.07		3.5	25	310	13	310
08	69	47	58	-6.2				7	0	0537	1930		T			29.10		1.4	15	260	8	260
09	78	50	64	-0.5				1	0	0536	1931	RA BR	0.94			28.98		3.3	34	260	15	280
10	65	48	57	-7.7				8	0	0536	1932	RA BR	0.01			29.04		2.4	15	070	8	060
11	73	45	59	-6.0				6	0	0535	1932		0.00			29.15		2.8	21	040	10	090
12	65	46	56	-9.3				9	0	0534	1933	RA	0.01			29.24		5.2	28	090	16	080
13	71	43	57	-8.6				8	0	0533	1934		0.00s			29.29		0.8	17	080	9	070
14	74	42*	58	-7.8				7	0	0532	1935		0.00			29.29		0.7	13	080	8	330
15	77	45	61	-5.1				4	0	0531	1936		0.00			29.28		1.1	14	280	8	270
16	75	57	66	-0.4				0	1	0531	1936	RA	T			29.24		0.9	14	280	8	280
17	79	55	67	0.3				0	2	0530	1937		0.00			29.23		1.0	21	260	12	290
18	77	59	68	1.0				0	3	0529	1938		0.00			29.28		1.0	14	180	8	140
19	83	62	73	5.8				0	8	0528	1939		0.00			29.31		1.2	13	090	8	150
20	85	61	73	5.5				0	8	0528	1940		0.00			29.36		1.3	15	100	9	080
21	87	57	72	4.2				0	7	0527	1940		0.00			29.44		1.2	12	090	7	090
22	88	59	74	5.9				0	9	0526	1941		0.00			29.41		1.4	13	010	7	070
23	89	62	76	7.6				0	11	0526	1942		0.00			29.28		0.7	12	090	7	290
24	89	61	75	6.3				0	10	0525	1943		0.00			29.22		0.6	11	260	6	330
25	92*	64	78	9.0				0	13	0525	1943	BR	0.00			29.21		1.3	17	290	9	280
26	90	67	79	9.7				0	14	0524	1944		T			29.17		2.6	25	250	14	260
27	89	66	78	8.4				0	13	0524	1945		0.00			29.10		1.6	16	280	10	270
28	83	68	76	6.1				0	11	0523	1946	RA FG BR	0.52			28.92		1.9	33	270	16	280
29	70	54	62	-8.2				3	0	0523	1946		0.00			28.95		4.2	22	330	12	340
30	65	51	58	-12.5				7	0	0522	1947		0.00			29.21		2.6	19	080	12	070
31	80	48	64	-6.8				1	0	0522	1948		0.00			29.31		1.7	16	210	8	290
	77.7	54.1	65.9										1.48s			29.16	30.11	1.8				
	-0.6	-1.1	-0.9										-2.81s									

Monthly Averages Totals												1.48s		29.16	30.11	1.8						
Departure from Normal (1981-2010)												-2.81s										
Degree Days						Number of days with...																
Monthly			Season-to-date			Temperature				Precipitation		Snow		Weather								
Total	Departure	Total	Departure	Max	Min	Precipitation		Snow		Weather												
Heating	87	28	3386	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog										
Cooling	115	2	136	2	0	0	0	4s	2s													
Date of 5-sec to 3-sec wind equipment change				Sea Level Pressure				Greatest...														
2007-03-22				Maximum		30.44	Date		22	Time		0909	24-Hr...		Snow Depth							
				Minimum		29.70	Date		03	Time		1653	Precip			0.95s	Snowfall					
												Date										
												09-10										
Station Augmentation																						
Name:OAK RIDGE ATDD, TN Lat: 35.998 Lon: -84.2192 Elevation: N/A Distance: 1.5mi SW Elements: TEMP, PRECIP, SNOW Equipment: PRECIP-MODEL TRP525M, TEMP-VAISALA HMP35C, SNOWBOARD, SNOWSTICK																						

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W
Station: OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)

Local Climatological Data Hourly Observations May 2021

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Generated on 06/08/2021

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	Dry Bulb Temp		Wet Bulb Temp		Dew Point Temp		Rel Hum %	Wind Speed (MPH)	Wind Dir (Deg)	Wind Gusts (MPH)	Station Press (inHg)	Press. Tend	Net 3-Hr Change (inHg)	Sea Level Press. (inHg)	Report Type	Precip Total (in)	Alti-meter Setting (inHg)
						(F)	(C)	(F)	(C)	(F)	(C)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0053	7	CLR:00	10.00		59	15.0	49	9.4	38	3.3	46	0	000		29.15	3	-0.02	30.10	FM-15	0.00	30.13
01	0153	7	CLR:00	10.00		57	13.9	45	7.2	31	-0.6	37	3	060		29.14			30.09	FM-15	0.00	30.12
01	0253	7	CLR:00	10.00		55	12.8	44	6.7	29	-1.7	37	7	VRB		29.16			30.11	FM-15	0.00	30.14
01	0353	7	CLR:00	10.00		52	11.1	42	5.6	28	-2.2	40	0	000		29.16	3	-0.01	30.12	FM-15	0.00	30.14
01	0453	7	CLR:00	10.00		49	9.4	41	5.0	30	-1.1	48	0	000		29.16			30.12	FM-15	0.00	30.14
01	0553	7	CLR:00	10.00		47	8.3	40	4.4	31	-0.6	54	0	000		29.17			30.14	FM-15	0.00	30.15
01	0653	7	CLR:00	10.00		50	10.0	42	5.6	32	0.0	50	3	100		29.20	3	-0.04	30.17	FM-15	0.00	30.18
01	0753	7	CLR:00	10.00		55	12.8	45	7.2	33	0.6	44	3	VRB		29.21			30.17	FM-15	0.00	30.19
01	0853	7	CLR:00	10.00		58	14.4	46	7.8	33	0.6	39	3	VRB		29.21			30.17	FM-15	0.00	30.19
01	0951	6	CLR:00	2.00	HZ:7 HZ	61	16.1	48	8.9	34	1.1	36	5	VRB		29.21				FM-16		30.19
01	0953	7	CLR:00	2.00	HZ:7 FU HZ	61	16.1	48	8.9	33	0.6	35	6	100		29.21	1	-0.01	30.18	FM-15	0.00	30.19
01	1005	6	CLR:00	10.00		60	15.6	47	8.3	32	0.0	35				29.21				FM-16		30.19
01	1053	7	CLR:00	10.00		64	17.8	48	8.9	28	-2.2	26	0	000		29.21			30.17	FM-15	0.00	30.19
01	1153	7	CLR:00	10.00		68	20.0	50	10.0	31	-0.6	25	0	000		29.18			30.14	FM-15	0.00	30.16
01	1253	7	CLR:00	10.00		72	22.2	51	10.6	28	-2.2	19	3	060		29.15	8	+0.06	30.11	FM-15	0.00	30.13
01	1353	7	CLR:00	10.00		72	22.2	50	10.0	25	-3.9	17	0	000		29.13			30.08	FM-15	0.00	30.10
01	1453	7	CLR:00	10.00		74	23.3	52	11.1	28	-2.2	18	6	080		29.10			30.05	FM-15	0.00	30.07
01	1553	7	CLR:00	10.00		76	24.4	53	11.7	28	-2.2	17	3	VRB		29.07	6	+0.09	30.02	FM-15	0.00	30.04
01	1653	7	CLR:00	10.00		76	24.4	53	11.7	27	-2.8	16	0	000		29.06			30.01	FM-15	0.00	30.03
01	1753	7	CLR:00	10.00		75	23.9	52	11.1	28	-2.2	18	0	000		29.05			30.00	FM-15	0.00	30.02
01	1853	7	CLR:00	10.00		73	22.8	53	11.7	34	1.1	24	0	000		29.03	6	+0.04	29.99	FM-15	0.00	30.00
01	1953	7	CLR:00	10.00		63	17.2	52	11.1	42	5.6	47	0	000		29.04			30.00	FM-15	0.00	30.01
01	2053	7	CLR:00	10.00		60	15.6	52	11.1	44	6.7	56	0	000		29.05			30.01	FM-15	0.00	30.02
01	2153	7	CLR:00	10.00		57	13.9	50	10.0	43	6.1	60	0	000		29.06	3	-0.03	30.02	FM-15	0.00	30.03
01	2253	7	CLR:00	10.00		54	12.2	49	9.4	44	6.7	69	0	000		29.07			30.02	FM-15	0.00	30.04
01	2353	7	CLR:00	10.00		52	11.1	48	8.9	44	6.7	75	0	000		29.06			30.02	FM-15	0.00	30.03

U.S. Department of Commerce
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Local Climatological Data
Hourly Remarks
May 2021

National Centers for Environmental Information
 151 Patton Avenue
 Asheville, North Carolina 28801

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W

Generated on 06/08/2021

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

Date	Time (LST)	Remarks
01	0053	MET10805/01/21 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 15/03 A3013 RMK AO2 SLP192 T01500033 10222 20144 53007
01	0153	MET09105/01/21 01:53:02 METAR KOQT 010653Z 06003KT 10SM CLR 14/M01 A3012 RMK AO2 SLP191 T01391006
01	0253	MET09105/01/21 02:53:02 METAR KOQT 010753Z VRB06KT 10SM CLR 13/M02 A3014 RMK AO2 SLP195 T01281017
01	0353	MET09705/01/21 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 11/M02 A3014 RMK AO2 SLP199 T01111022 53004
01	0453	MET09105/01/21 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 09/M01 A3014 RMK AO2 SLP200 T00941011
01	0553	MET09105/01/21 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 08/M01 A3015 RMK AO2 SLP205 T00831006
01	0653	MET10805/01/21 06:53:02 METAR KOQT 011153Z 10003KT 10SM CLR 10/00 A3018 RMK AO2 SLP216 T01000000 10150 20083 53013
01	0753	MET09005/01/21 07:53:02 METAR KOQT 011253Z VRB03KT 10SM CLR 13/01 A3019 RMK AO2 SLP218 T01280006
01	0853	MET09005/01/21 08:53:02 METAR KOQT 011353Z VRB03KT 10SM CLR 14/01 A3019 RMK AO2 SLP216 T01440006
01	0951	MET08005/01/21 09:51:02 SPECI KOQT 011451Z VRB04KT 2SM HZ CLR 16/01 A3019 RMK AO2 FIBI
01	0953	MET09805/01/21 09:53:02 METAR KOQT 011453Z 10005KT 2SM HZ CLR 16/01 A3019 RMK AO2 SLP219 T01610006 51003
01	1005	MET08305/01/21 10:05:02 SPECI KOQT 011505Z KT 10SM CLR 16/00 A3019 RMK AO2 T01560000
01	1053	MET09105/01/21 10:53:02 METAR KOQT 011553Z 00000KT 10SM CLR 18/M02 A3019 RMK AO2 SLP217 T01781022
01	1153	MET09105/01/21 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 20/M01 A3016 RMK AO2 SLP208 T02001006
01	1253	MET10905/01/21 12:53:02 METAR KOQT 011753Z 06003KT 10SM CLR 22/M02 A3013 RMK AO2 SLP195 T02221022 10222 20100 58019
01	1353	MET09105/01/21 13:53:02 METAR KOQT 011853Z 00000KT 10SM CLR 22/M04 A3010 RMK AO2 SLP186 T02221039
01	1453	MET09105/01/21 14:53:02 METAR KOQT 011953Z 08005KT 10SM CLR 23/M02 A3007 RMK AO2 SLP175 T02331022
01	1553	MET09705/01/21 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 24/M02 A3004 RMK AO2 SLP167 T02441022 56029
01	1653	MET09105/01/21 16:53:02 METAR KOQT 012153Z 00000KT 10SM CLR 24/M03 A3003 RMK AO2 SLP163 T02441028
01	1753	MET09105/01/21 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 24/M02 A3002 RMK AO2 SLP160 T02391022
01	1853	MET10805/01/21 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 23/01 A3000 RMK AO2 SLP155 T02280011 10250 20211 56013
01	1953	MET09005/01/21 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 17/06 A3001 RMK AO2 SLP158 T01720056
01	2053	MET09005/01/21 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 16/07 A3002 RMK AO2 SLP164 T01560067
01	2153	MET09605/01/21 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 14/06 A3003 RMK AO2 SLP166 T01390061 53009
01	2253	MET09005/01/21 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 12/07 A3004 RMK AO2 SLP167 T01220067
01	2353	MET10005/01/21 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 11/07 A3003 RMK AO2 SLP165 T01110067 402500083

Local Climatological Data Hourly Precipitation May 2021

Generated on 06/08/2021

Date	For Hour (LST) Ending at																					Date			
	1 AM	2 AM	3 AM	4 AM	5 AM	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	NOON	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM		10 PM	11 PM	MID
01																									01
02																			T	T	0.01	T		T	02
03	0.01		T	T	0.01			0.10	0.01			0.54	0.20		0.01					T					03
04			0.03	0.95s	0.96	0.45	T	0.02	0.01	0.16	0.06	0.12	0.15												04
05	M	M	M	M	M	M	M		T	T	T														05
06				T																					06
07																									07
08																			T						08
09															T	T		0.16	0.06	0.19	0.39	0.14	T		09
10	T		T	0.01				T																	10
11																									11
12			T	T	T	T	0.01	T																	12
13							T																		13
14																									14
15																									15
16															T	T									16
17																									17
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24																									24
25																									25
26																				T					26
27																									27
28						T					0.01	T	0.06		T	0.35	T	T	0.01			T	0.04	0.05	28
29																									29
30																									30
31																									31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.17	0.25	0.27	0.29	0.35	0.38	0.46s	0.57	0.61	0.65s	0.70	0.73s
Ending Date Time (yyyy-mm-dd hh:mi)	2021-05-28 15:21	2021-05-28 15:24	2021-05-28 15:29	2021-05-28 15:35	2021-05-28 15:41	2021-05-09 21:08	2021-05-09 20:54	2021-05-09 21:08	2021-05-09 21:08	2021-05-09 21:24	2021-05-09 21:17	2021-05-09 21:30

Hourly, daily, and monthly totals on the Daily Summary page and the Hourly Precipitation Table are shown as reported by the instrumentation at the site. However, NWS does not edit hourly values for its ASOS sites, but may edit the daily and monthly totals for selected sites which will be reflected on the Daily Summary page.

T = Trace
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing