

Local Climatological Data
Daily Summary
February 2022

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

Generated on 03/02/2022

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	61	25	43	4.2				22	0	0738	1804				29.26			1.4	14	190	9	190			
02	55	35	45	6.0				20	0	0737	1805	RA BR	0.34		29.20		0.3	7	260	5	270				
03	57	47	52	12.9				13	0	0736	1806	RA BR	1.74		29.05		0.7	*		6	090				
04	50	31	41	1.7				24	0	0735	1807	RA BR	0.21		29.11		2.4	*		8	250				
05	38	24	31	-8.5				34	0	0735	1808		0.00		29.44		2.6	*		7	080				
06	49	22	36	-3.7				29	0	0734	1809		0.00		29.36		0.8	12	230	8	210				
07	53	25	39	-0.9				26	0	0733	1810		0.00		29.23		0.7	12	180	8	190				
08	53	25	39	-1.1				26	0	0732	1811		0.00		29.21		1.2	12	160	8	200				
09	61	26	44	3.7				21	0	0731	1812		0.00		29.06		2.7	28	200	16	200				
10	62	32	47	6.5				18	0	0730	1813		0.00		29.05		2.7	25	280	14	270				
11	69*	31	50	9.3				15	0	0729	1814		0.00		29.00		4.8	38	190	20	200				
12	56	37	47	6.0				18	0	0728	1815	SN	T		29.12		2.4	17	280	9	280				
13	44	27	36	-5.2				29	0	0727	1816	SN	T		29.22		2.3	15	260	9	260				
14	50	26	38	-3.5				27	0	0726	1817		0.00		29.31		2.6	19	300	12	260				
15	62	26	44	2.3				21	0	0725	1818		0.00		29.46		1.5	14	190	10	190				
16	65	31	48	6.0				17	0	0723	1819		0.00		29.39		4.3	34	190	20	200				
17	68	53	61	18.7				4	0	0722	1820	RA BR	0.94		29.02		9.2	39	180	23	190				
18	58	27	43	0.5s				22s	0s	0721	1821		0.00		29.13		5.0	31	250	15	260				
19	52	22*	37	-5.8				28	0	0720	1822		0.00		29.35		2.1	20	360	12	330				
20	59	23	41	-2.1				24	0	0719	1823		0.00		29.36		1.8	17	200	12	200				
21	64	31	48	4.6				17	0	0718	1824	RA	T		29.27		2.2	20	270	13	190				
22	66	53	60	16.3				5	0	0716	1825	RA BR	2.46		29.18		1.9	38	220	21	200				
23	66	42	54	10.0				11	0	0715	1826	RA BR	1.15		29.22		3.1	15	050	10	080				
24	58	42	50	5.7				15	0	0714	1827	RA FG BR	2.13		29.20		1.7	11	210	7	190				
25	61	35	48	3.4				17	0	0713	1828	RA BR	0.32		29.26		4.3	32	250	17	270				
26	42	34	38	-6.9				27	0	0711	1829	RA BR	0.11		29.44		2.7	14	050	8	010				
27	50	32	41	-4.2				24	0	0710	1830	RA BR	0.36		29.26		2.4	15	050	9	070				
28										0709	1831	SN FZFG BR FG													
													Monthly Averages Totals												
													9.76			29.23	30.23								
													Departure from Normal (1981-2010)												
													5.19s												

Degree Days						Number of days with...											
Monthly			Season-to-date			Temperature			Precipitation		Snow	Weather					
Total	Departure		Total	Departure		Max	Min		>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog				
Heating						>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"					
Cooling						0	0	19s	0	10s	10s						
Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure						Greatest...					
2007-03-22						Date		Time		24-Hr...		Snow Depth					
						Maximum		30.57		15		1127		Precip		Snowfall	
						Minimum		29.62		17		2016		3.01			
												Date					
												22-23					

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 February 2022

Generated on 03/02/2022

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

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	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)
					AU AW MW	(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		29	-1.7	26	-3.3	21	-6.1	72	0	000		29.23	0	-0.01	30.24	FM-15	0.00	30.21
01	0153	7	CLR:00	10.00		28	-2.2	26	-3.3	22	-5.6	78	0	000		29.23			30.24	FM-15	0.00	30.21
01	0253	7	CLR:00	10.00		28	-2.2	26	-3.3	23	-5.0	81	0	000		29.24			30.25	FM-15	0.00	30.22
01	0353	7	CLR:00	10.00		27	-2.8	25	-3.9	22	-5.6	81	0	000		29.25	3	-0.01	30.26	FM-15	0.00	30.23
01	0453	7	CLR:00	10.00		26	-3.3	25	-3.9	22	-5.6	84	0	000		29.26			30.27	FM-15	0.00	30.24
01	0553	7	CLR:00	10.00		26	-3.3	25	-3.9	23	-5.0	88	0	000		29.27			30.28	FM-15	0.00	30.25
01	0653	7	CLR:00	10.00		26	-3.3	25	-3.9	22	-5.6	84	0	000		29.29	3	-0.04	30.30	FM-15	0.00	30.27
01	0753	7	CLR:00	10.00		26	-3.3	25	-3.9	22	-5.6	84	0	000		29.30			30.33	FM-15	0.00	30.28
01	0853	7	CLR:00	10.00		29	-1.7	28	-2.2	25	-3.9	85	0	000		29.33			30.36	FM-15	0.00	30.31
01	0953	7	CLR:00	10.00		37	2.8	33	0.6	26	-3.3	65	5	060		29.33	1	-0.04	30.35	FM-15	0.00	30.31
01	1053	7	CLR:00	10.00		44	6.7	36	2.2	23	-5.0	43	3	VRB		29.33			30.34	FM-15	0.00	30.31
01	1153	7	CLR:00	10.00		48	8.9	38	3.3	23	-5.0	37	0	000		29.31			30.32	FM-15	0.00	30.29
01	1253	7	CLR:00	10.00		53	11.7	40	4.4	22	-5.6	30	3	VRB		29.29	8	+0.04	30.29	FM-15	0.00	30.27
01	1353	7	CLR:00	10.00		55	12.8	41	5.0	22	-5.6	28	0	000		29.24			30.25	FM-15	0.00	30.22
01	1453	7	CLR:00	10.00		59	15.0	44	6.7	23	-5.0	25	0	000		29.22			30.22	FM-15	0.00	30.20
01	1553	7	CLR:00	10.00		60	15.6	45	7.2	24	-4.4	25	5	150		29.21	6	+0.07	30.21	FM-15	0.00	30.19
01	1653	7	CLR:00	10.00		60	15.6	45	7.2	25	-3.9	26	5	VRB		29.21			30.21	FM-15	0.00	30.19
01	1753	7	CLR:00	10.00		57	13.9	43	6.1	25	-3.9	29	3	260		29.21			30.22	FM-15	0.00	30.19
01	1853	7	CLR:00	10.00		49	9.4	40	4.4	27	-2.8	43	0	000		29.23	3	-0.02	30.24	FM-15	0.00	30.21
01	1953	7	CLR:00	10.00		44	6.7	37	2.8	28	-2.2	53	0	000		29.24			30.26	FM-15	0.00	30.22
01	2053	7	CLR:00	10.00		40	4.4	35	1.7	28	-2.2	63	0	000		29.25			30.27	FM-15	0.00	30.23
01	2153	7	CLR:00	10.00		40	4.4	35	1.7	27	-2.8	60	3	220		29.26	3	-0.03	30.27	FM-15	0.00	30.24
01	2253	7	CLR:00	10.00		41	5.0	35	1.7	26	-3.3	55	3	220		29.26			30.26	FM-15	0.00	30.24
01	2353	7	CLR:00	10.00		38	3.3	33	0.6	26	-3.3	62	3	210		29.25			30.25	FM-15	0.00	30.23

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

Local Climatological Data
Hourly Remarks
February 2022

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 03/02/2022

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

Date	Time (LST)	Remarks
01	0053	MET11002/01/22 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR M02/M06 A3021 RMK AO2 SLP242 T10171061 10061 21017 50002
01	0153	MET09202/01/22 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR M02/M06 A3021 RMK AO2 SLP242 T10221056
01	0253	MET09202/01/22 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR M02/M05 A3022 RMK AO2 SLP244 T10221050
01	0353	MET09802/01/22 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR M03/M06 A3023 RMK AO2 SLP247 T10281056 53005
01	0453	MET09202/01/22 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR M03/M06 A3024 RMK AO2 SLP249 T10331056
01	0553	MET09202/01/22 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR M03/M05 A3025 RMK AO2 SLP254 T10331050
01	0653	MET11002/01/22 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR M03/M06 A3027 RMK AO2 SLP262 T10331056 11017 21039 53013
01	0753	MET09802/01/22 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR M03/M06 A3028 RMK AO2 SLP271 I1000 T10331056
01	0853	MET09202/01/22 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR M02/M04 A3031 RMK AO2 SLP280 T10171039
01	0953	MET10302/01/22 09:53:02 METAR KOQT 011453Z 06004KT 10SM CLR 03/M03 A3031 RMK AO2 SLP278 I3000 T00281033 51015
01	1053	MET09102/01/22 10:53:02 METAR KOQT 011553Z VRB03KT 10SM CLR 07/M05 A3031 RMK AO2 SLP275 T00671050
01	1153	MET09102/01/22 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 09/M05 A3029 RMK AO2 SLP269 T00891050
01	1253	MET11502/01/22 12:53:02 METAR KOQT 011753Z VRB03KT 10SM CLR 12/M06 A3027 RMK AO2 SLP259 I6000 T01171056 10117 21039 58015
01	1353	MET09102/01/22 13:53:02 METAR KOQT 011853Z 00000KT 10SM CLR 13/M06 A3022 RMK AO2 SLP243 T01281056
01	1453	MET09102/01/22 14:53:02 METAR KOQT 011953Z 00000KT 10SM CLR 15/M05 A3020 RMK AO2 SLP234 T01501050
01	1553	MET09702/01/22 15:53:02 METAR KOQT 012053Z 15004KT 10SM CLR 16/M04 A3019 RMK AO2 SLP231 T01561044 56025
01	1653	MET09102/01/22 16:53:02 METAR KOQT 012153Z VRB04KT 10SM CLR 16/M04 A3019 RMK AO2 SLP229 T01561039
01	1753	MET09102/01/22 17:53:02 METAR KOQT 012253Z 26003KT 10SM CLR 14/M04 A3019 RMK AO2 SLP233 T01391039
01	1853	MET10902/01/22 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 09/M03 A3021 RMK AO2 SLP242 T00941028 10161 20094 53006
01	1953	MET09102/01/22 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 07/M02 A3022 RMK AO2 SLP248 T00671022
01	2053	MET09102/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 04/M02 A3023 RMK AO2 SLP249 T00441022
01	2153	MET09702/01/22 21:53:01 METAR KOQT 020253Z 22003KT 10SM CLR 04/M03 A3024 RMK AO2 SLP251 T00441028 53010
01	2253	MET09102/01/22 22:53:01 METAR KOQT 020353Z 22003KT 10SM CLR 05/M03 A3024 RMK AO2 SLP248 T00501033
01	2353	MET10102/01/22 23:53:02 METAR KOQT 020453Z 21003KT 10SM CLR 03/M03 A3023 RMK AO2 SLP244 T00331033 401611039

Local Climatological Data
Hourly Precipitation
February 2022

Generated on 03/02/2022

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	0.02	0.05	0.06	0.04	0.06	0.07	0.04	02
03	0.03	0.05	0.10	0.08	0.09	0.05	T	0.07	0.09	0.05	T			0.02	T	T	0.06	0.26	0.03	0.29	0.23	0.12	0.07	0.05	03	
04	0.01	0.04	0.06	0.04	0.05	T	T	0.01																	04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10																									10	
11																									11	
12																								T	12	
13	T	T	T	T																					13	
14																									14	
15																									15	
16																									16	
17													T			T	T	0.01	0.07	0.08	0.58	0.20	T		17	
18																									18	
19																									19	
20																									20	
21																								T	21	
22	0.02	0.06	0.02	0.30	0.13	T		0.07	0.06	T						0.21	0.09	0.34	0.14	0.11	0.14	0.19	0.29	0.29	22	
23	0.20	0.22	0.19	0.16	0.21	0.09	0.01	T	T	T													T	0.07	23	
24	0.05	0.04	0.13	0.18	0.07	0.09	0.08	0.04	T	0.67	0.36	0.20	0.04	0.10	0.08	T									24	
25		T	0.10	T	0.08	0.07	0.06	0.01	T																25	
26													T	0.01	0.04	0.04	0.01	0.01	T						26	
27	T	0.03	0.04	0.07	0.11	0.04	0.02	0.02	0.03	T															27	
28	M	M	M	M	T	T	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	28	
Maximum Short Duration Precipitation																										
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180														
Precipitation (inches)	0.35	0.40	0.43	0.45	0.49	0.57	0.67	0.79	0.93	1.03	1.18	1.23														
Ending Date Time (yyyy-mm-dd hh:mi)	2022-02-17 20:30	2022-02-17 20:32	2022-02-17 20:32	2022-02-17 20:35	2022-02-17 20:47	2022-02-24 09:48	2022-02-24 10:01	2022-02-24 10:21	2022-02-24 10:38	2022-02-24 10:58	2022-02-24 11:30	2022-02-24 12:01														

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