

**Local Climatological Data**  
**Daily Summary**  
**March 2020**

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

Generated on 04/07/2020

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	63	24*	44	-1.8				21	0	0706	1833				29.24		1.8	16	190	9	210				
02	55	45	50	3.9				15	0	0705	1834	RA BR			29.03		1.7	19	210	12	220				
03	69	45	57	10.6				8	0	0704	1835	RA BR			28.84		4.0	26	300	17	280				
04	65	41	53	6.3				12	0	0702	1835				29.03		1.1	12	260	8	250				
05	61	45	53	6.0				12	0	0701	1836				29.05		3.0	17	230	12	210				
06	52	38	45	-2.3				20	0	0659	1837				29.20		7.7	28	320	16	300				
07	53	34	44	-3.7				21	0	0658	1838				29.49		4.3	19	100	14	100				
08	65	29	47	-1.0				18	0	0657	1839				29.52		2.2	17	200	10	210				
09	70	41	56	7.7				9	0	0655	1840				29.47		5.1	26	200	17	200				
10	62	54	58	9.4				7	0	0654	1841	RA BR			29.28		3.1	20	210	10	200				
11	68	54	61	12.1				4	0	0652	1842	RA FG BR			29.12		2.0	17	280	12	260				
12	66	51	59	9.8				6	0	0651	1843	RA			28.98		0.8	14	280	9	280				
13	69	55	62	12.5				3	0	0650	1843	RA BR			29.11		4.4	17	230	10	350				
14	57	50	54	4.2				11	0	0648	1844	RA			29.31		2.6	14	080	8	050				
15	55	44	50	-0.1				15	0	0647	1845	RA BR			29.34		4.6	15	060	10	070				
16	57	43	50	-0.4				15	0	0645	1846	RA BR			29.33		1.5	8	270	6	260				
17	61	52	57	6.3				8	0	0644	1847	RA BR			29.25		2.3	13	290	7	270				
18	70	54	62	11.0				3	0	0642	1848	RA BR			29.26		2.2	15	260	12	250				
19	79	61	70	18.7				0	5	0641	1849	RA BR			29.21		4.1	28	200	17	210				
20	71	61	66	14.4				0	1	0640	1849	RA BR			29.20		4.8	19	200	12	290				
21	61	42	52	0.1				13	0	0638	1850	RA BR			29.33		2.7	14	010	8	210				
22	60	41	51	-1.2				14	0	0637	1851	RA			29.33		1.7	13	050	9	060				
23	58	53	56	3.5				9	0	0635	1852	RA BR			29.16		2.2	14	210	8	260				
24	56	52	54	1.2				11	0	0634	1853	RA BR			29.02		0.9	11	090	7	100				
25	68	48	58	5.0				7	0	0632	1854	RA FG BR			28.94		2.7	17	080	12	080				
26	78	43	61	7.7				4	0	0631	1854				29.00		4.1	21	180	14	200				
27	84*	57	71	17.4				0	6	0629	1855				28.93		4.4	22	220	14	200				
28	83	63	73	19.1				0	8	0628	1856				28.95		4.6	25	220	15	200				
29	79	62	71	16.8				0	6	0627	1857	RA BR			29.01		6.2	25	220	16	260				
30	72	48	60	5.6				5	0	0625	1858				29.18		2.5	16	260	10	260				
31	56	44	50	-4.7				15	0	0624	1859	RA BR			28.89		3.7	17	080	10	070				
	65.3	47.5s	56.4							<b>Monthly Averages   Totals</b>					8.39s		29.16	30.13							
	3.9	8.2s	6.0							<b>Departure from Normal (1981-2010)</b>					3.33s										

Degree Days				Number of days with...								
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather	
Total	Departure	Total	Departure	Max		Min						
Heating				>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog
Cooling				0	0	2	0	17	14			

Date of 5-sec to 3-sec wind equipment change		Sea Level Pressure				Greatest...					
2007-03-22		Maximum		Date		Time		24-Hr...		Snow Depth	
		Minimum						Precip		Snowfall	
								1.41s			
										Date	
								02-03			

**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 March 2020

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

Generated on 04/07/2020

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		28	-2.2	25	-3.9	20	-6.7	72	0	000		29.29	8	+0.03	30.31	FM-15	0.00	30.27
01	0153	7	CLR:00	10.00		27	-2.8	25	-3.9	20	-6.7	75	0	000		29.28			30.30	FM-15	0.00	30.26
01	0253	7	CLR:00	10.00		27	-2.8	25	-3.9	21	-6.1	78	0	000		29.28			30.30	FM-15	0.00	30.26
01	0353	7	CLR:00	10.00		26	-3.3	24	-4.4	20	-6.7	78	0	000		29.27	8	+0.02	30.29	FM-15	0.00	30.25
01	0453	7	CLR:00	10.00		25	-3.9	24	-4.4	21	-6.1	85	0	000		29.29			30.31	FM-15	0.00	30.27
01	0553	7	CLR:00	10.00		25	-3.9	23	-5.0	20	-6.7	81	0	000		29.29			30.31	FM-15	0.00	30.27
01	0653	7	CLR:00	10.00		25	-3.9	23	-5.0	20	-6.7	81	0	000		29.30	1	-0.03	30.32	FM-15	0.00	30.28
01	0753	7	CLR:00	10.00		26	-3.3	25	-3.9	22	-5.6	84	0	000		29.31			30.34	FM-15	0.00	30.29
01	0853	7	CLR:00	10.00		31	-0.6	29	-1.7	25	-3.9	79	0	000		29.31			30.34	FM-15	0.00	30.29
01	0953	7	CLR:00	10.00		36	2.2	32	0.0	25	-3.9	64	0	000		29.31	1	-0.01	30.34	FM-15	0.00	30.29
01	1053	7	CLR:00	10.00		42	5.6	34	1.1	22	-5.6	45	0	000		29.30			30.32	FM-15	0.00	30.28
01	1153	7	CLR:00	10.00		48	8.9	38	3.3	24	-4.4	39	3	240		29.30			30.31	FM-15	0.00	30.28
01	1253	7	CLR:00	10.00		54	12.2	42	5.6	26	-3.3	34	5	VRB		29.26	8	+0.05	30.27	FM-15	0.00	30.24
01	1353	7	CLR:00	10.00		56	13.3	44	6.7	28	-2.2	34	3	170		29.21			30.22	FM-15	0.00	30.19
01	1453	7	CLR:00	10.00		59	15.0	46	7.8	29	-1.7	32	5	180		29.18			30.18	FM-15	0.00	30.16
01	1553	7	CLR:00	10.00		61	16.1	47	8.3	30	-1.1	31	6	VRB		29.16	6	+0.10	30.16	FM-15	0.00	30.14
01	1653	7	CLR:00	10.00		61	16.1	47	8.3	30	-1.1	31	6	200		29.15			30.16	FM-15	0.00	30.13
01	1753	7	CLR:00	10.00		61	16.1	47	8.3	31	-0.6	32	6	200		29.14			30.14	FM-15	0.00	30.12
01	1853	7	CLR:00	10.00		59	15.0	46	7.8	30	-1.1	33	3	VRB		29.15	5	+0.01	30.15	FM-15	0.00	30.13
01	1953	7	CLR:00	10.00		57	13.9	45	7.2	30	-1.1	36	0	000		29.15			30.16	FM-15	0.00	30.13
01	2053	7	CLR:00	10.00		53	11.7	44	6.7	33	0.6	47	0	000		29.15			30.15	FM-15	0.00	30.13
01	2153	7	FEW:02 110	10.00		50	10.0	43	6.1	34	1.1	54	0	000		29.14	8	0.00	30.14	FM-15	0.00	30.12
01	2253	7	CLR:00	10.00		53	11.7	44	6.7	32	0.0	45	0	000		29.13			30.13	FM-15	0.00	30.11
01	2353	7	CLR:00	10.00		56	13.3	45	7.2	31	-0.6	39	7	200		29.13			30.10	FM-15	0.00	30.10

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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 Remarks**  
**March 2020**

Generated on 04/07/2020

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

Date	Time (LST)	Remarks
01	0053	MET11003/01/20 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR M02/M07 A3027 RMK AO2 SLP263 T10221067 10056 21022 58009
01	0153	MET09203/01/20 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR M03/M07 A3026 RMK AO2 SLP260 T10281067
01	0253	MET09203/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR M03/M06 A3026 RMK AO2 SLP260 T10281061
01	0353	MET09803/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR M03/M07 A3025 RMK AO2 SLP257 T10331067 58006
01	0453	MET09203/01/20 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR M04/M06 A3027 RMK AO2 SLP264 T10391061
01	0553	MET09803/01/20 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR M04/M07 A3027 RMK AO2 SLP265 I1000 T10391067
01	0653	MET12203/01/20 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR M04/M07 A3028 RMK AO2 SLP269 I1000 I6000 T10391067 11022 21044 51010
01	0753	MET09203/01/20 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR M03/M06 A3029 RMK AO2 SLP274 T10331056
01	0853	MET09203/01/20 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR M01/M04 A3029 RMK AO2 SLP274 T10061039
01	0953	MET09703/01/20 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 02/M04 A3029 RMK AO2 SLP273 T00221039 51004
01	1053	MET09103/01/20 10:53:02 METAR KOQT 011553Z 00000KT 10SM CLR 06/M06 A3028 RMK AO2 SLP269 T00561056
01	1153	MET09103/01/20 11:53:02 METAR KOQT 011653Z 24003KT 10SM CLR 09/M04 A3028 RMK AO2 SLP265 T00891044
01	1253	MET10903/01/20 12:53:02 METAR KOQT 011753Z VRB04KT 10SM CLR 12/M03 A3024 RMK AO2 SLP250 T01221033 10122 21044 58018
01	1353	MET09103/01/20 13:53:02 METAR KOQT 011853Z 17003KT 10SM CLR 13/M02 A3019 RMK AO2 SLP233 T01331022
01	1453	MET09103/01/20 14:53:02 METAR KOQT 011953Z 18004KT 10SM CLR 15/M02 A3016 RMK AO2 SLP221 T01501017
01	1553	MET09703/01/20 15:53:02 METAR KOQT 012053Z VRB05KT 10SM CLR 16/M01 A3014 RMK AO2 SLP214 T01611011 56033
01	1653	MET09103/01/20 16:53:02 METAR KOQT 012153Z 20005KT 10SM CLR 16/M01 A3013 RMK AO2 SLP212 T01611011
01	1753	MET09103/01/20 17:53:02 METAR KOQT 012253Z 20005KT 10SM CLR 16/M01 A3012 RMK AO2 SLP208 T01611006
01	1853	MET10903/01/20 18:53:02 METAR KOQT 012353Z VRB03KT 10SM CLR 15/M01 A3013 RMK AO2 SLP210 T01501011 10172 20117 55005
01	1953	MET09103/01/20 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 14/M01 A3013 RMK AO2 SLP212 T01391011
01	2053	MET09003/01/20 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 12/01 A3013 RMK AO2 SLP210 T01170006
01	2153	MET09903/01/20 21:53:01 METAR KOQT 020253Z 00000KT 10SM FEW110 10/01 A3012 RMK AO2 SLP208 T01000011 58001
01	2253	MET09003/01/20 22:53:01 METAR KOQT 020353Z 00000KT 10SM CLR 12/00 A3011 RMK AO2 SLP202 T01170000
01	2353	MET10103/01/20 23:53:02 METAR KOQT 020453Z 20006KT 10SM CLR 13/M01 A3010 RMK AO2 SLP193 T01331006 401721044

**Local Climatological Data**  
**Hourly Precipitation**  
**March 2020**

Generated on 04/07/2020

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	0.06s	0.19	0.05	0.10	0.20	0.08	0.09	0.04	T	T	T	0.01	T	0.01	T			0.01	02	
03	0.04	T	T		T	0.40	0.16	0.16	0.11	0.07															03	
04																									04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10	T	T	T	0.01	0.03	0.03	0.08	0.10	0.03	T	T		T	0.03	0.09	0.02	0.05	0.05			T	0.01			10	
11			T	T	T																				11	
12																								0.02	12	
13	T	T	0.16	0.01	0.05	0.45	0.01																		13	
14												T	0.02s	0.02	0.04						0.02	T	T	0.01	14	
15	0.03	0.04	0.01	0.06	0.01																				15	
16																					T	T	T	0.04	0.01	16
17	0.05	0.01			0.02	0.01	0.12	0.10	0.04	0.05	0.05	T													17	
18															T	0.03s	0.03	T	0.01	0.03					18	
19		0.04	0.13	0.35	0.14	T																			19	
20								0.05	0.17	0.01			T	T	T	0.19s	0.19	0.17	0.08	0.05	0.03	0.03	0.02	0.01	20	
21	0.01	T	0.07																						21	
22																			T	T	T			T	22	
23			0.08	0.12	0.14	0.17	0.20	0.07	0.05	0.03	0.01	T	0.04	T											23	
24										0.01	0.07	0.05	0.08	0.15	0.06	0.03	0.04	T		0.06	0.16	0.10	0.02		24	
25				T	T																				25	
26							T																		26	
27																									27	
28																									28	
29					0.34	0.05	0.01	T																	29	
30																									30	
31						T	T	0.04	0.08	0.10	0.15	0.03	T	0.07	0.07	0.06	0.04	T							31	
Maximum Short Duration Precipitation																										
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180														
Precipitation (inches)	0.17	0.22	0.26	0.30	0.36	0.42	0.48	0.51	0.57	0.64	0.71	0.73														
Ending Date Time (yyyy-mm-dd hh:mi)	2020-03-29 04:46	2020-03-29 04:49	2020-03-03 05:44	2020-03-29 04:49	2020-03-03 05:57	2020-03-03 06:05	2020-03-13 05:52	2020-03-03 06:38	2020-03-03 07:00	2020-03-03 07:25	2020-03-03 07:51	2020-03-03 08:23														

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