

**Local Climatological Data**  
**Daily Summary**  
**March 2022**

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W  
 Station: OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)

Generated on 04/14/2022

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	65	30	48	2.4				17	0	0708	1832		0.00			29.17		1.9	17	230	10	260		
02	75	40	58	12.2				7	0	0706	1833		0.00			29.13		2.8	24	280	13	280		
03	77	42	60	13.9				5	0	0705	1834		0.00			29.15		2.7	16	200	10	080		
04	77	44	61	14.6				4	0	0704	1835		0.00			29.29		1.7	14	040	8	200		
05	77	52	65	18.3				0	0	0702	1835		0.00			29.26		5.1	31	230	17	200		
06	78	53	66	19.0				0	1	0701	1836		0.00			29.21		5.5	31	200	18	200		
07	71	45	58	10.7				7	0	0659	1837	RA BR	0.54			29.02		6.9	33	200	17	210		
08	57	40	49	1.3				16	0	0658	1838	RA BR	0.30			29.13		3.1	16	330	8	070		
09	55	44	50	2.0				15	0	0657	1839	RA BR	0.87			28.97		3.0	17	300	10	070		
10	63	44	54	5.7				11	0	0655	1840		0.00			29.05		2.9	13	080	8	150		
11	67	36	52	3.4				13	0	0654	1841	RA	0.01			28.99		2.5	28	340	14	350		
12	44	21	33	-15.9s				32s	0s	0652	1842	RA SN FG FZFG BR HZ	0.60			29.04		6.2	34	010	17	350		
13	48	18*	33	-16.2				32	0	0651	1843		0.00			29.38		3.7	20	200	12	210		
14	66	30	48	-1.5				17	0	0650	1843		0.00			29.39		1.2	15	190	8	150		
15	65	40	53	3.2				12	0	0648	1844		0.00			29.28		0.7	12	190	8	190		
16	70	47	59	8.9				6	0	0647	1845	RA BR	0.16			29.07		1.7	14	040	8	050		
17	73	52	63	12.6				2	0	0645	1846	FG BR	0.00			29.00		2.0	14	210	9	200		
18	63	46	55	4.3				10	0	0644	1847	RA	0.02			28.94		3.2	31	070	17	090		
19	62	48	55	4.0				10	0	0642	1848		T			28.97		6.9	32	210	16	210		
20	67	37	52	0.7				13	0	0641	1849		0.00			29.23		2.4	19	260	10	290		
21	71	35	53	1.4				12	0	0640	1849		0.00			29.26		1.2	13	070	8	190		
22	77	47	62	10.1				3	0	0638	1850	RA	0.00			29.05		4.2	22	190	13	160		
23	77	52	65	12.8				0	0	0637	1851	RA BR	0.73			28.76		5.9	43	220	21	190		
24	65	43	54	1.5				11	0	0635	1852		0.00			28.94		3.0	28	220	16	260		
25	51	38	45	-7.8				20	0	0634	1853		0.00			28.93		3.7	21	270	12	270		
26	58	41	50	-3.0				15	0	0632	1854		T			28.92		6.6	37	260	20	300		
27	56	31	44	-9.3				21	0	0631	1854		0.00			29.08		3.0	21	260	13	260		
28	59	33	46	-7.6				19	0	0629	1855		0.00			29.19		2.2	14	360	8	310		
29	67	41	54	0.1				11	0	0628	1856		0.00			29.17		2.9	12	100	8	070		
30	82*	43	63	8.8				2	0	0627	1857		0.00			28.92		8.3	45	200	25	190		
31	75	46	61	6.6				4	0	0625	1858	RA	0.07			28.67		8.6	43	210	22	190		
	66.4	40.6	53.5										3.30			29.08	30.06	3.8						
	5.0	1.3	3.1										-1.76											
	<b>Departure from Normal (1981-2010)</b>																							
	<b>Degree Days</b>							<b>Season-to-date</b>					<b>Temperature</b>				<b>Number of days with...</b>							
	<b>Monthly</b>		<b>Season-to-date</b>		<b>Total</b>		<b>Departure</b>		<b>Max</b>		<b>Min</b>		<b>Precipitation</b>		<b>Snow</b>		<b>Weather</b>							
	<b>Total</b>	<b>Departure</b>	<b>Total</b>	<b>Departure</b>	<b>&gt;=90°</b>	<b>&lt;=32°</b>	<b>&lt;=32°</b>	<b>&lt;=0°</b>	<b>&gt;=0.01"</b>	<b>&gt;=0.1"</b>	<b>&gt;=1"</b>	<b>T-Storms</b>	<b>Heavy Fog</b>											
	Heating	357	-101	2968	0	0	5	0	9	6			2											
	Cooling	0	-4	3																				
	<b>Date of 5-sec to 3-sec wind equipment change</b>							<b>Sea Level Pressure</b>					<b>Greatest...</b>											
	2007-03-22							<b>Maximum</b>		30.51	<b>Date</b>	13	<b>Time</b>	0814	<b>24-Hr...</b>		<b>Snow Depth</b>							
								<b>Minimum</b>		29.52	31	0428	<b>Precip</b>		1.17	<b>Snowfall</b>								
																			<b>Date</b>					
												08-09												
	<b>Station Augmentation</b>																							
	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 2022

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

Generated on 04/14/2022

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		36	2.2	34	1.1	30	-1.1	79	0	000		29.20	3	-0.02	30.20	FM-15	0.00	30.18
01	0153	7	CLR:00	10.00		35	1.7	33	0.6	30	-1.1	82	0	000		29.21			30.21	FM-15	0.00	30.19
01	0253	7	CLR:00	10.00		34	1.1	32	0.0	30	-1.1	85	0	000		29.21			30.20	FM-15	0.00	30.19
01	0353	7	CLR:00	10.00		32	0.0	31	-0.6	29	-1.7	88	0	000		29.19	8	+0.01	30.19	FM-15	0.00	30.17
01	0453	7	CLR:00	10.00		31	-0.6	30	-1.1	28	-2.2	89	0	000		29.20			30.20	FM-15	0.00	30.18
01	0553	7	CLR:00	10.00		31	-0.6	30	-1.1	28	-2.2	89	0	000		29.21			30.22	FM-15	0.00	30.19
01	0653	7	CLR:00	10.00		30	-1.1	29	-1.7	27	-2.8	88	0	000		29.22	1	-0.03	30.23	FM-15	0.00	30.20
01	0753	7	CLR:00	10.00		32	0.0	31	-0.6	29	-1.7	88	0	000		29.23			30.24	FM-15	0.00	30.21
01	0853	7	CLR:00	10.00		37	2.8	35	1.7	32	0.0	82	0	000		29.24			30.25	FM-15	0.00	30.22
01	0953	7	CLR:00	10.00		45	7.2	39	3.9	32	0.0	61	0	000		29.24	0	-0.02	30.24	FM-15	0.00	30.22
01	1053	7	CLR:00	10.00		53	11.7	42	5.6	27	-2.8	37	5	VRB		29.22			30.22	FM-15	0.00	30.20
01	1153	7	CLR:00	10.00		58	14.4	44	6.7	25	-3.9	28	6	210		29.20			30.19	FM-15	0.00	30.18
01	1253	7	CLR:00	10.00		60	15.6	44	6.7	23	-5.0	24	5	VRB		29.17	8	+0.06	30.16	FM-15	0.00	30.15
01	1353	7	CLR:00	10.00		62	16.7	45	7.2	23	-5.0	22	8	200		29.14			30.13	FM-15	0.00	30.12
01	1453	7	CLR:00	10.00		64	17.8	45	7.2	20	-6.7	18	7	VRB		29.13			30.11	FM-15	0.00	30.10
01	1553	7	CLR:00	10.00		65	18.3	47	8.3	23	-5.0	20	5	VRB		29.12	6	+0.05	30.10	FM-15	0.00	30.09
01	1653	6	CLR:00	10.00		65	18.3	46	7.8	22	-5.6	19				29.10			30.10	FM-15	0.00	30.08
01	1753	7	CLR:00	10.00		64	17.8	47	8.3	25	-3.9	23	6	180		29.10			30.08	FM-15	0.00	30.07
01	1853	7	CLR:00	10.00		60	15.6	45	7.2	24	-4.4	25	3	200		29.10	5	+0.01	30.10	FM-15	0.00	30.08
01	1953	7	CLR:00	10.00		53	11.7	42	5.6	27	-2.8	37	0	000		29.13			30.11	FM-15	0.00	30.10
01	2053	7	CLR:00	10.00		50	10.0	41	5.0	30	-1.1	46	0	000		29.13			30.13	FM-15	0.00	30.11
01	2153	7	CLR:00	10.00		49	9.4	41	5.0	31	-0.6	50	0	000		29.14	1	-0.04	30.14	FM-15	0.00	30.12
01	2253	7	CLR:00	10.00		47	8.3	41	5.0	32	0.0	56	0	000		29.15			30.14	FM-15	0.00	30.13
01	2353	7	CLR:00	10.00		46	7.8	40	4.4	31	-0.6	56	0	000		29.15			30.14	FM-15	0.00	30.13

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

**Local Climatological Data**  
**Hourly Remarks**  
**March 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 04/14/2022

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

Date	Time (LST)	Remarks
01	0053	MET10903/01/22 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 02/M01 A3018 RMK AO2 SLP226 T00221011 10106 20022 53008
01	0153	MET09103/01/22 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 02/M01 A3019 RMK AO2 SLP229 T00171011
01	0253	MET09103/01/22 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 01/M01 A3019 RMK AO2 SLP228 T00111011
01	0353	MET09703/01/22 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 00/M02 A3017 RMK AO2 SLP223 T00001017 58002
01	0453	MET09203/01/22 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR M01/M02 A3018 RMK AO2 SLP227 T10061022
01	0553	MET09203/01/22 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR M01/M02 A3019 RMK AO2 SLP232 T10061022
01	0653	MET11003/01/22 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR M01/M03 A3020 RMK AO2 SLP236 T10111028 10022 21011 51009
01	0753	MET09103/01/22 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR 00/M02 A3021 RMK AO2 SLP241 T00001017
01	0853	MET09003/01/22 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR 03/00 A3022 RMK AO2 SLP244 T00280000
01	0953	MET09603/01/22 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 07/00 A3022 RMK AO2 SLP240 T00720000 50006
01	1053	MET09103/01/22 10:53:02 METAR KOQT 011553Z VRB04KT 10SM CLR 12/M03 A3020 RMK AO2 SLP232 T01171028
01	1153	MET09103/01/22 11:53:02 METAR KOQT 011653Z 21005KT 10SM CLR 14/M04 A3018 RMK AO2 SLP224 T01441039
01	1253	MET10903/01/22 12:53:02 METAR KOQT 011753Z VRB04KT 10SM CLR 16/M05 A3015 RMK AO2 SLP214 T01561050 10161 21011 58022
01	1353	MET09103/01/22 13:53:02 METAR KOQT 011853Z 20007KT 10SM CLR 17/M05 A3012 RMK AO2 SLP202 T01671050
01	1453	MET09103/01/22 14:53:02 METAR KOQT 011953Z VRB06KT 10SM CLR 18/M07 A3010 RMK AO2 SLP195 T01781067
01	1553	MET09703/01/22 15:53:02 METAR KOQT 012053Z VRB04KT 10SM CLR 18/M05 A3009 RMK AO2 SLP194 T01831050 56018
01	1653	MET09103/01/22 16:53:02 METAR KOQT 012153Z KT 10SM CLR 18/M06 A3008 RMK AO2 SLP192 T01831056
01	1753	MET09103/01/22 17:53:02 METAR KOQT 012253Z 18005KT 10SM CLR 18/M04 A3007 RMK AO2 SLP187 T01781039
01	1853	MET11303/01/22 18:53:02 METAR KOQT 012353Z 20003KT 10SM CLR 16/M04 A3008 RMK AO2 SLP193 T01561044 10183 20150 55004 RTX
01	1953	MET09103/01/22 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 12/M03 A3010 RMK AO2 SLP198 T01171028
01	2053	MET09103/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 10/M01 A3011 RMK AO2 SLP203 T01001011
01	2153	MET09703/01/22 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 09/M01 A3012 RMK AO2 SLP205 T00941006 51013
01	2253	MET09003/01/22 22:53:01 METAR KOQT 020353Z 00000KT 10SM CLR 08/00 A3013 RMK AO2 SLP206 T00830000
01	2353	MET10103/01/22 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 08/M01 A3013 RMK AO2 SLP206 T00781006 401831011

**Local Climatological Data**  
**Hourly Precipitation**  
**March 2022**

Generated on 04/14/2022

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																										02	
03																										03	
04																										04	
05																										05	
06																										06	
07													0.03	0.08	0.21	0.13	0.08	T	0.01	T	T					07	
08																				T	T	0.05	0.14	0.11		08	
09	0.33	0.23	0.13	0.17	T	T	0.01																			09	
10																										10	
11																								T	0.01	11	
12	0.08	0.08	0.12	0.06	0.03	0.05	0.02	T	T	T	T	0.01	0.15													12	
13																											13
14																											14
15																											15
16					T	T	0.06	0.03	0.06	0.01															T		16
17																											17
18													0.01	0.01													18
19																											19
20																											20
21																											21
22																									T		22
23	0.04	0.02	0.05	0.14	0.19	0.08	0.03	0.01	0.01	T	T	0.09	0.07														23
24																											24
25																											25
26	T		T																								26
27																											27
28																											28
29																											29
30																											30
31		T	0.01	0.02																					T	0.04	31

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.10	0.11	0.15	0.19	0.27	0.35	0.41	0.47	0.53	0.57	0.63	0.72
Ending Date Time (yyyy-mm-dd hh:mi)	2022-03-12 12:26	2022-03-12 12:26	2022-03-09 00:52	2022-03-09 00:52	2022-03-09 00:58	2022-03-09 01:15	2022-03-09 01:26	2022-03-09 01:48	2022-03-09 02:02	2022-03-09 02:17	2022-03-09 02:56	2022-03-09 03:27

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