

### Local Climatological Data Daily Summary April 2021

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

Generated on 05/10/2021

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	48	33	41	-13.7				24	0	0624	1859	FG BR	0.00			29.33		5.6	28	340	15	330		
02	51	30	41	-14.0				24	0	0622	1900		0.00			29.47		4.1	20	060	13	080		
03	64	28*	46	-9.3				19	0	0621	1900		0.00			29.43		1.1	13	150	9	160		
04	74	34	54	-1.5				11	0	0619	1901		0.00			29.30		0.8	13	100	9	170		
05	78	39	59	3.2				6	0	0618	1902		0.00			29.17		1.8	15	190	9	200		
06	80	44	62	5.9				3	0	0617	1903		0.00			29.10		1.4	20	200	12	200		
07	81	49	65	8.7				0	0	0615	1904		0.00			29.04		2.0	17	190	10	160		
08	77	58	68	11.4				0	3	0614	1905	RA BR	0.27			28.87		3.5	29	160	16	160		
09	83	51	67	10.1				0	2	0612	1905		0.00			28.94		2.0	22	230	10	160		
10	69	60	65	7.9				0	0	0611	1906	RA BR	0.40			28.78		2.5	16	190	8	180		
11	75	54	65	7.6				0	0	0610	1907		0.00			28.66		5.6	29	190	16	200		
12	80	47	64	6.4				1	0	0608	1908		0.00			28.85		3.6	27s	300s	17	300		
13	73	48	61	3.1				4	0	0607	1909		T	0.0	0	29.11		1.3	13	050	9	080		
14	76	49	63	4.9				2	0	0606	1910	RA BR HZ	0.05	0.0	0	29.07		1.7	24	290	14	280		
15	66	45	56	-2.4				9	0	0604	1910		0.00			28.98		3.9	22	270	14	280		
16	65	38	52	-6.7				13	0	0603	1911		0.00			28.97		1.3	12	160	9	150		
17	65	48	57	-1.9				8	0	0602	1912	RA	0.01			28.92		1.9	15	280	8	280		
18	68	40	54	-5.2				11	0	0600	1913	RA	T			28.96		0.7	13	120	8	120		
19	69	47	58	-1.4				7	0	0559	1914	RA BR	0.12			28.97		1.3	13	220	8	150		
20	74	43	59	-0.7				6	0	0558	1915		0.00			29.00		2.1	24	180	12	260		
21	58	34	46	-13.9				19	0	0556	1915	RA	T			29.12		3.9	23	300	14	310		
22	61	31	46	-14.2				19	0	0555	1916		0.00			29.21		2.5	26	260	15	270		
23	56	36	46	-14.4				19	0	0554	1917	RA	T			29.20		0.7	11	250	7	260		
24	56	46	51	-9.7				14	0	0553	1918	RA BR	0.68			28.90		1.6	17	050	7	070		
25	68	47	58	-2.9				7	0	0552	1919	BR	T			28.99		2.0	19	350	10	340		
26	79	43	61	-0.2				4	0	0550	1920	BR	0.00			29.13		1.4	16	270	10	290		
27	83*	57	70	8.6				0	5	0549	1921		0.00			29.12		3.3	23	260	12	240		
28	82	63	73	11.3				0	8	0548	1921	RA	T			29.09		1.4	24	190	9	230		
29	75	60	68	6.1				0	3	0547	1922	RA BR	0.12			28.97		3.0	26	230	12	260		
30	79	53	66	3.8				0	1	0546	1923		0.00			29.09		2.9	*		8	340		
	70.4	45.2	57.8														29.05	30.02	2.5					
	-0.2	-1.7	-1.0																					
	Monthly Averages   Totals											1.65			29.05	30.02	2.5							
	Departure from Normal (1981-2010)											-2.53												
	Degree Days											Number of days with...												
	Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather							
	Total	Departure	Total	Departure	Max	Min	Max	Min	Max	Min	Max	Min	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog							
Heating	237	22	3299		>=90°	<=32°	<=32°	<=0°	7	5														
Cooling	20	-7	22		0	0	3	0																
	Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure					Greatest...											
	2007-03-22							Maximum		30.57	Date		02	Time		1122	24-Hr...		Snow Depth					
								Minimum		29.53			11				Precip	Snowfall						
																	Date							
													24-25											
	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

### Local Climatological Data Hourly Observations April 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 05/10/2021

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

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	0002	7	OVC:08 2	3.00	BR:1	40	4.4	40	4.4	40	4.4	100	5	220		29.28				FM-16		30.26	
01	0025	7	OVC:08 2	1.75V	BR:1	40	4.4	40	4.4	40	4.4	100	0	000		29.28				FM-16		30.26	
01	0045	7	VV:09 2	0.50	FG:2  FG	39	3.9	39	3.9	39	3.9	100	0	000		29.28				FM-16		30.26	
01	0053	7	VV:09 2	0.50	FG:2  FG	39	3.9	39	3.9	39	3.9	100	0	000		29.28	6	0.00	30.27	FM-15	0.00	30.26	
01	0131	7	OVC:08 1	1.50	BR:1	38	3.3	38	3.3	37	2.8	97	0	000		29.27				FM-16		30.25	
01	0136	7	BKN:07 1	3.00	BR:1	38	3.3	38	3.3	37	2.8	97	3	260		29.27				FM-16		30.25	
01	0151	6	SCT:04 1	9.00		37	2.8	37	2.8	37	2.8	100	3	VRB		29.27				FM-16		30.25	
01	0153	7	FEW:02 1	9.00		38	3.3	38	3.3	37	2.8	97	3	290		29.27		30.27		FM-15	0.00	30.25	
01	0253	7	CLR:00	10.00		40	4.4	34	1.1	25	-3.9	55	7	310		29.26		30.26		FM-15	0.00	30.24	
01	0353	7	CLR:00	10.00		40	4.4	34	1.1	23	-5.0	51	9	330		29.27	5	+0.01	30.27		FM-15	0.00	30.25
01	0453	7	CLR:00	10.00		37	2.8	32	0.0	22	-5.6	54	0	000		29.28		30.29		FM-15	0.00	30.26	
01	0553	7	CLR:00	10.00		36	2.2	30	-1.1	20	-6.7	52	3	VRB		29.29		30.30		FM-15	0.00	30.27	
01	0653	7	CLR:00	10.00		36	2.2	30	-1.1	17	-8.3	46	0	000		29.31	2	-0.04	30.32		FM-15	0.00	30.29
01	0753	7	CLR:00	10.00		38	3.3	30	-1.1	16	-8.9	41	0	000		29.32		30.32		FM-15	0.00	30.30	
01	0853	7	CLR:00	10.00		39	3.9	31	-0.6	16	-8.9	39	7	VRB		29.33		30.34		FM-15	0.00	30.31	
01	0953	7	BKN:07 50	10.00		42	5.6	34	1.1	20	-6.7	41	6	VRB		29.35	3	-0.04	30.35		FM-15	0.00	30.33
01	1053	7	CLR:00	10.00		43	6.1	34	1.1	20	-6.7	40	9	VRB	17	29.36		30.37		FM-15	0.00	30.34	
01	1153	7	FEW:02 60	10.00		45	7.2	35	1.7	19	-7.2	35	7	360		29.36		30.36		FM-15	0.00	30.34	
01	1253	7	SCT:04 65	10.00		45	7.2	35	1.7	17	-8.3	33	9	340		29.36	1	-0.01	30.37		FM-15	0.00	30.34
01	1353	7	FEW:02 65	10.00		48	8.9	38	3.3	21	-6.1	34	9	VRB	21	29.35		30.35		FM-15	0.00	30.33	
01	1453	7	SCT:04 65	10.00		48	8.9	38	3.3	21	-6.1	34	9	350	18	29.34		30.35		FM-15	0.00	30.32	
01	1553	7	SCT:04 65	10.00		48	8.9	37	2.8	20	-6.7	33	7	VRB		29.34	6	+0.02	30.34		FM-15	0.00	30.32
01	1653	7	CLR:00	10.00		46	7.8	35	1.7	16	-8.9	30	9	VRB	26	29.34		30.35		FM-15	0.00	30.32	
01	1753	6	SCT:04 65	10.00		44	6.7	34	1.1	18	-7.8	35				29.37		30.38		FM-15	0.00	30.35	
01	1853	7	FEW:02 65	10.00		41	5.0	33	0.6	17	-8.3	38	8	350		29.38	3	-0.04	30.39		FM-15	0.00	30.36
01	1953	7	OVC:08 60	10.00		41	5.0	33	0.6	17	-8.3	38	5	350		29.39		30.41		FM-15	0.00	30.37	
01	2053	7	SCT:04 60	10.00		40	4.4	32	0.0	17	-8.3	40	7	340		29.41		30.42		FM-15	0.00	30.39	
01	2153	7	FEW:02 60	10.00		38	3.3	31	-0.6	19	-7.2	46	3	360		29.41	0	-0.03	30.42		FM-15	0.00	30.39
01	2253	7	FEW:02 55	10.00		36	2.2	30	-1.1	19	-7.2	50	6	VRB		29.42		30.43		FM-15	0.00	30.40	
01	2353	7	CLR:00	10.00		35	1.7	29	-1.7	19	-7.2	52	5	VRB		29.43		30.44		FM-15	0.00	30.41	

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

**Local Climatological Data**  
**Hourly Remarks**  
**April 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 05/10/2021

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

Date	Time (LST)	Remarks
01	0002	MET08804/01/21 00:02:02 SPECI KOQT 010502Z 22004KT 3SM BR OVC002 04/04 A3026 RMK AO2 T00440044
01	0025	MET10004/01/21 00:25:02 SPECI KOQT 010525Z 00000KT 1 3/4SM BR OVC002 04/04 A3026 RMK AO2 VIS 1V3 T00440044
01	0045	MET08904/01/21 00:45:02 SPECI KOQT 010545Z 00000KT 1/2SM FG VV002 04/04 A3026 RMK AO2 T00390039
01	0053	MET12004/01/21 00:53:02 METAR KOQT 010553Z 00000KT 1/2SM FG VV002 04/04 A3026 RMK AO2 SLP251 60010 T00390039 10067 20039 56001
01	0131	MET09204/01/21 01:31:02 SPECI KOQT 010631Z 00000KT 1 1/2SM BR OVC001 03/03 A3025 RMK AO2 T00330028
01	0136	MET08804/01/21 01:36:02 SPECI KOQT 010636Z 26003KT 3SM BR BKN001 03/03 A3025 RMK AO2 T00330028
01	0151	MET08004/01/21 01:51:02 SPECI KOQT 010651Z VRB03KT 9SM SCT001 03/03 A3025 RMK AO2 FIBI
01	0153	MET09204/01/21 01:53:02 METAR KOQT 010653Z 29003KT 9SM FEW001 03/03 A3025 RMK AO2 SLP249 T00330028
01	0253	MET09104/01/21 02:53:02 METAR KOQT 010753Z 31006KT 10SM CLR 04/M04 A3024 RMK AO2 SLP247 T00441039
01	0353	MET09704/01/21 03:53:02 METAR KOQT 010853Z 33008KT 10SM CLR 04/M05 A3025 RMK AO2 SLP249 T00441050 55004
01	0453	MET09104/01/21 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 03/M06 A3026 RMK AO2 SLP256 T00281056
01	0553	MET09104/01/21 05:53:02 METAR KOQT 011053Z VRB03KT 10SM CLR 02/M07 A3027 RMK AO2 SLP260 T00221067
01	0653	MET11504/01/21 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 02/M08 A3029 RMK AO2 SLP266 70046 T00221083 10050 20006 52012
01	0753	MET09104/01/21 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR 03/M09 A3030 RMK AO2 SLP269 T00331089
01	0853	MET09104/01/21 08:53:02 METAR KOQT 011353Z VRB06KT 10SM CLR 04/M09 A3031 RMK AO2 SLP275 T00391089
01	0953	MET10004/01/21 09:53:02 METAR KOQT 011453Z VRB05KT 10SM BKN050 06/M07 A3033 RMK AO2 SLP279 T00561067 53014
01	1053	MET09404/01/21 10:53:02 METAR KOQT 011553Z 35008G15KT 10SM CLR 06/M07 A3034 RMK AO2 SLP283 T00611067
01	1153	MET09404/01/21 11:53:02 METAR KOQT 011653Z 36006KT 10SM FEW060 07/M07 A3034 RMK AO2 SLP282 T00721072
01	1253	MET11204/01/21 12:53:02 METAR KOQT 011753Z 34008KT 10SM SCT065 07/M08 A3034 RMK AO2 SLP283 T00721083 10083 20022 51004
01	1353	MET09704/01/21 13:53:02 METAR KOQT 011853Z 35008G18KT 10SM FEW065 09/M06 A3033 RMK AO2 SLP278 T00891061
01	1453	MET09704/01/21 14:53:02 METAR KOQT 011953Z 35008G16KT 10SM SCT065 09/M06 A3032 RMK AO2 SLP277 T00891061
01	1553	MET10004/01/21 15:53:02 METAR KOQT 012053Z VRB06KT 10SM SCT065 09/M07 A3032 RMK AO2 SLP275 T00891067 56007
01	1653	MET09404/01/21 16:53:02 METAR KOQT 012153Z 30008G23KT 10SM CLR 08/M09 A3032 RMK AO2 SLP277 T00781089
01	1753	MET09404/01/21 17:53:02 METAR KOQT 012253Z KT 10SM SCT065 07/M08 A3035 RMK AO2 SLP287 T00671078
01	1853	MET11204/01/21 18:53:02 METAR KOQT 012353Z 35007KT 10SM FEW065 05/M08 A3036 RMK AO2 SLP291 T00501083 10089 20050 53013
01	1953	MET09404/01/21 19:53:01 METAR KOQT 020053Z 35004KT 10SM OVC060 05/M08 A3037 RMK AO2 SLP297 T00501083
01	2053	MET09404/01/21 20:53:01 METAR KOQT 020153Z 34006KT 10SM SCT060 04/M08 A3039 RMK AO2 SLP301 T00441083
01	2153	MET10004/01/21 21:53:01 METAR KOQT 020253Z 36003KT 10SM FEW060 03/M07 A3039 RMK AO2 SLP301 T00331072 50009
01	2253	MET09404/01/21 22:53:02 METAR KOQT 020353Z VRB05KT 10SM FEW055 02/M07 A3040 RMK AO2 SLP305 T00221072
01	2353	MET10104/01/21 23:53:02 METAR KOQT 020453Z VRB04KT 10SM CLR 02/M07 A3041 RMK AO2 SLP308 T00171072 400890006

**Local Climatological Data**  
**Hourly Precipitation**  
**April 2021**

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

Generated on 05/10/2021

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

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																										07
08						0.01	T		0.11	0.04	0.10	0.01	T													08
09																										09
10											T	0.05	0.09	0.05	0.21	T										10
11																										11
12																										12
13											T	T			T						T					13
14																T	T	T	0.05s	T			T			14
15																										15
16																										16
17								T		0.01	T															17
18																									T	18
19	0.04	T		T	0.02	0.06																				19
20																										20
21					T	T	T																			21
22																										22
23											T	T			T	T										23
24						0.01	0.01	0.07	0.19	0.14	0.07	0.10	0.01	0.01	0.01					T	0.04	T		0.02	T	24
25	T																								M	25
26	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	26
27	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M							M	M		27
28	M	M	M		M	M									T	T	T									28
29													T	T	T	0.03					T	0.08		0.01		29
30																										30

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.06	0.08	0.10	0.14	0.18	0.20	0.21	0.26	0.30	0.34	0.40	0.42
Ending Date Time (yyyy-mm-dd hh:mi)	2021-04-29 19:38	2021-04-10 14:38	2021-04-10 14:38	2021-04-10 14:36	2021-04-10 14:38	2021-04-10 14:38	2021-04-10 14:38	2021-04-24 09:18	2021-04-24 09:18	2021-04-24 09:30	2021-04-24 09:55	2021-04-24 10:11

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  
 \$ = Suspect  
 \* = Erroneous  
 blank = No precipitation observed  
 M = Missing