

**Local Climatological Data**  
**Daily Summary**  
**April 2020**

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

Generated on 05/11/2020

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	53	40	47	-8.0				18	0	0622	1900	RA	T			29.00		2.6	14	320	9	320					
02	64	35	50	-5.3				15	0	0621	1900		T			29.13		1.9	15	080	9	080					
03	75	39	57	1.5				8	0	0619	1901		0.00			29.08		0.9	14	090	10	100					
04	77	50	64	8.2				1	0	0618	1902		0.00			29.03		1.6	13	080	9	090					
05	83	49	66	9.9				0	1	0617	1903		0.03			29.04		1.5	14	210	9	210					
06	82	51	67	10.7				0	2	0615	1904		T			29.10		1.7	17	290	13	280					
07	83	57	70	13.4				0	5	0614	1905		0.00			29.01		4.0	21	260	13	200					
08	84*	61	73	16.1				0	8	0612	1905		0.00			28.85		4.0	17	260	10	260					
09	72	53	63	5.9				2	0	0611	1906	RA	0.07			28.79		6.7	35s	260s	22	270					
10	60	40	50	-7.4				15	0	0610	1907		0.00			29.02		4.8	20s	010s	13	330					
11	70	33	52	-5.6				13	0	0608	1908		0.00			29.09		1.2	13	190	8	260					
12	61	52	57	-0.9				8	0	0607	1909	RA BR	2.72			28.94		1.7	13	100	9	080					
13	64	45	55	-3.1				10	0	0606	1910	RA BR	0.46			28.82		5.5	28	280	16	260					
14	62	40	51	-7.4				14	0	0604	1910		0.00			29.16		3.7	19	360	13	340					
15	61	32*	47	-11.7				18	0	0603	1911		0.00			29.15		2.3	24	330	14	330					
16	64	35	50	-8.9				15	0	0602	1912		0.00			29.28		2.1	16	150	9	160					
17	75	36	56	-3.2				9	0	0600	1913	RA	0.01			29.15		4.6	29	200	15	200					
18	62	43	53	-6.4				12	0	0559	1914	RA BR	0.34		0	29.03		3.2	19	330	10	090					
19	67	38	53	-6.7				12	0	0558	1915	RA BR	0.39			28.93		2.1	13	200	8	270					
20	73	49	61	1.1				4	0	0556	1915	RA BR	0.61			28.77		3.0	21	250	14	280					
21	74	52	63	2.8				2	0	0555	1916		T			28.90		5.9	28	280	16	280					
22	70	41	56	-4.4				9	0	0554	1917	RA	T	0.0	0	29.10		1.4	11	160	8	170					
23	68	53	61	0.3				4	0	0553	1918	RA FG BR	0.85			28.85		1.3	16	190	8	190					
24	71	52	62	1.1				3	0	0552	1919	RA	T			28.79		3.0	16	360	9	320					
25	63	50	57	-4.2				8	0	0550	1920	RA BR	0.51			28.85		1.8	17	280	10	280					
26	58	47	53	-8.4				12	0	0549	1921	RA BR	0.06	0.0	0	28.97		5.0	23	290	14	280					
27	71	39	55	-6.7				10	0	0548	1921	BR	T			29.22		1.5	13	160	8	160					
28	77	45	61	-0.9				4	0	0547	1922	RA	T			29.15		1.3	17	220	10	230					
29	75	52	64	1.8				1	0	0546	1923	RA BR	0.70			28.87		2.7	28	190	16	180					
30	58	50	54	-8.4				11	0	0545	1924	RA	0.02		0	28.84		3.4	19	270	12	270					
Monthly Averages   Totals													6.77s			29.00	29.96										
Departure from Normal (1981-2010)													2.59s														
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		1		0		13		8							
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...															
2007-03-22								Maximum		30.39		Date		16		Time		1051		24-Hr... Precip		3.17s		Snowfall		Snow Depth	
								Minimum		29.46				13		0511											
												Date															
												12-13															
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 2020

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 05/11/2020

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

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)											
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	SCT:04 50	10.00		43	6.1	39	3.9	34	1.1	71	0	000	28.91	8	0.00	29.89	FM-15	0.00	29.88	
01	0153	7	OVC:08 48	10.00		44	6.7	40	4.4	34	1.1	68	0	000	28.90		29.89	FM-15	0.00	29.87		
01	0253	7	FEW:02 27 OVC:08 48	10.00		44	6.7	39	3.9	33	0.6	65	3	330	28.91		29.89	FM-15	0.00	29.88		
01	0353	7	FEW:02 30 FEW:02 37 OVC:08 50	10.00		44	6.7	39	3.9	33	0.6	65	5	360	28.92	3	-0.01	29.90	FM-15	0.00	29.89	
01	0453	7	FEW:02 29 OVC:08 50	10.00		44	6.7	40	4.4	34	1.1	68	3	020	28.93		29.91	FM-15	0.00	29.90		
01	0510	7	BKN:07 27 OVC:08 50	10.00		44	6.7	40	4.4	34	1.1	68	3	VRB	28.94			FM-16		29.91		
01	0543	7	SCT:04 26 OVC:08 50	10.00		44	6.7	40	4.4	34	1.1	68	5	340	28.94			FM-16		29.91		
01	0553	7	FEW:02 24 OVC:08 50	10.00		44	6.7	40	4.4	34	1.1	68	5	330	28.95		29.93	FM-15	0.00	29.92		
01	0653	7	OVC:08 55	10.00		44	6.7	40	4.4	34	1.1	68	5	VRB	28.96	3	-0.05	29.95	FM-15	0.00	29.93	
01	0753	7	FEW:02 36 OVC:08 50	10.00		45	7.2	41	5.0	36	2.2	71	3	VRB	28.99		29.98	FM-15	0.00	29.96		
01	0853	7	OVC:08 45	10.00		44	6.7	40	4.4	36	2.2	73	0	000	29.01		30.00	FM-15	T	29.98		
01	0953	7	BKN:07 47 OVC:08 55	10.00		47	8.3	41	5.0	34	1.1	61	0	000	29.03	1	-0.06	30.01	FM-15	0.00	30.00	
01	1053	7	BKN:07 41 OVC:08 50	10.00		48	8.9	41	5.0	33	0.6	56	5	VRB	29.04		30.03	FM-15	0.00	30.01		
01	1153	7	FEW:02 38 OVC:08 48	10.00		50	10.0	42	5.6	32	0.0	50	5	340	29.05		30.03	FM-15	0.00	30.02		
01	1253	7	OVC:08 43	10.00		50	10.0	42	5.6	33	0.6	52	5	VRB	29.05	1	-0.02	30.03	FM-15	0.00	30.02	
01	1353	7	OVC:08 42	10.00		50	10.0	42	5.6	33	0.6	52	5	VRB	29.05		30.03	FM-15	0.00	30.02		
01	1453	7	BKN:07 45 OVC:08 55	10.00		52	11.1	44	6.7	35	1.7	53	3	VRB	29.04		30.02	FM-15	0.00	30.01		
01	1553	7	FEW:02 47 OVC:08 55	10.00		53	11.7	45	7.2	35	1.7	51	5	020	29.04	8	+0.01	30.02	FM-15	T	30.01	
01	1653	7	FEW:02 45 OVC:08 60	10.00		53	11.7	44	6.7	34	1.1	48	6	VRB	29.04		30.02	FM-15	0.00	30.01		
01	1753	7	OVC:08 55	10.00	-RA:02  RA  RA	52	11.1	44	6.7	35	1.7	53	6	VRB	29.06		30.04	FM-15	T	30.03		
01	1853	7	OVC:08 60	10.00		50	10.0	44	6.7	37	2.8	61	0	000	29.08	3	-0.04	30.07	FM-15	T	30.05	
01	1953	7	OVC:08 60	10.00		49	9.4	44	6.7	38	3.3	66	0	000	29.09		30.08	FM-15	0.00	30.06		
01	2053	7	CLR:00	10.00		46	7.8	42	5.6	37	2.8	71	0	000	29.10		30.09	FM-15	0.00	30.08		
01	2153	7	CLR:00	10.00		44	6.7	41	5.0	38	3.3	79	0	000	29.10	1	-0.03	30.10	FM-15	0.00	30.08	
01	2253	7	CLR:00	10.00		42	5.6	40	4.4	37	2.8	82	0	000	29.12		30.11	FM-15	0.00	30.09		
01	2353	7	CLR:00	10.00		40	4.4	38	3.3	36	2.2	86	0	000	29.13		30.12	FM-15	0.00	30.10		

U.S. Department of Commerce  
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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 Remarks**  
**April 2020**

Generated on 05/11/2020

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

Date	Time (LST)	Remarks
01	0053	MET11104/01/20 00:53:02 METAR KOQT 010553Z 00000KT 10SM SCT050 06/01 A2988 RMK AO2 SLP123 T00610011 10089 20061 58000
01	0153	MET09304/01/20 01:53:02 METAR KOQT 010653Z 00000KT 10SM OVC048 07/01 A2987 RMK AO2 SLP121 T00670011
01	0253	MET10004/01/20 02:53:02 METAR KOQT 010753Z 33003KT 10SM FEW027 OVC048 07/01 A2988 RMK AO2 SLP122 T00670006
01	0353	MET11304/01/20 03:53:02 METAR KOQT 010853Z 36004KT 10SM FEW030 FEW037 OVC050 07/01 A2989 RMK AO2 SLP126 T00670006 53002
01	0453	MET10404/01/20 04:53:02 METAR KOQT 010953Z 02003KT 10SM FEW029 OVC050 07/01 A2990 RMK AO2 SLP130 T00670011 RTX
01	0510	MET09304/01/20 05:10:02 SPECI KOQT 011010Z VRB03KT 10SM BKN027 OVC050 07/01 A2991 RMK AO2 T00670011
01	0543	MET09304/01/20 05:43:02 SPECI KOQT 011043Z 34004KT 10SM SCT026 OVC050 07/01 A2991 RMK AO2 T00670011
01	0553	MET10004/01/20 05:53:02 METAR KOQT 011053Z 33004KT 10SM FEW024 OVC050 07/01 A2992 RMK AO2 SLP136 T00670011
01	0653	MET11704/01/20 06:53:02 METAR KOQT 011153Z VRB04KT 10SM OVC055 07/01 A2993 RMK AO2 SLP142 70064 T00670011 10067 20061 53016
01	0753	MET10004/01/20 07:53:02 METAR KOQT 011253Z VRB03KT 10SM FEW036 OVC050 07/02 A2996 RMK AO2 SLP152 T00720022
01	0853	MET10804/01/20 08:53:02 METAR KOQT 011353Z 00000KT 10SM OVC045 07/02 A2998 RMK AO2 RAB01E25 SLP158 P0000 T00670022
01	0953	MET11204/01/20 09:53:02 METAR KOQT 011453Z 00000KT 10SM BKN047 OVC055 08/01 A3000 RMK AO2 SLP163 60000 T00830011 51021
01	1053	MET10004/01/20 10:53:02 METAR KOQT 011553Z VRB04KT 10SM BKN041 OVC050 09/01 A3001 RMK AO2 SLP169 T00890006
01	1153	MET10004/01/20 11:53:02 METAR KOQT 011653Z 34004KT 10SM FEW038 OVC048 10/00 A3002 RMK AO2 SLP168 T01000000
01	1253	MET11704/01/20 12:53:02 METAR KOQT 011753Z VRB04KT 10SM OVC043 10/01 A3002 RMK AO2 SLP169 60000 T01000006 10100 20067 51006
01	1353	MET09304/01/20 13:53:02 METAR KOQT 011853Z VRB04KT 10SM OVC042 10/01 A3002 RMK AO2 SLP171 T01000006
01	1453	MET10004/01/20 14:53:02 METAR KOQT 011953Z VRB03KT 10SM BKN045 OVC055 11/02 A3001 RMK AO2 SLP167 T01110017
01	1553	MET12704/01/20 15:53:02 METAR KOQT 012053Z 02004KT 10SM FEW047 OVC055 12/02 A3001 RMK AO2 RAB13E21 SLP165 P0000 60000 T01170017 58002
01	1653	MET10004/01/20 16:53:02 METAR KOQT 012153Z VRB05KT 10SM FEW045 OVC060 12/01 A3001 RMK AO2 SLP167 T01170011
01	1753	MET10904/01/20 17:53:02 METAR KOQT 012253Z VRB05KT 10SM -RA OVC055 11/02 A3003 RMK AO2 RAB53 SLP174 P0000 T01110017
01	1853	MET12904/01/20 18:53:02 METAR KOQT 012353Z 00000KT 10SM OVC060 10/03 A3005 RMK AO2 RAE35 SLP182 P0000 60000 T01000028 10117 20100 53015
01	1953	MET09304/01/20 19:53:01 METAR KOQT 020053Z 00000KT 10SM OVC060 09/03 A3006 RMK AO2 SLP186 T00940033
01	2053	MET09004/01/20 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 08/03 A3008 RMK AO2 SLP191 T00780028
01	2153	MET09604/01/20 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 07/03 A3008 RMK AO2 SLP192 T00670033 51010
01	2253	MET09004/01/20 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 06/03 A3009 RMK AO2 SLP196 T00560028
01	2353	MET10004/01/20 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 04/02 A3010 RMK AO2 SLP199 T00440022 401170044

**Local Climatological Data**  
**Hourly Precipitation**  
**April 2020**

Generated on 05/11/2020

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									T							T		T	T						01
02							T																		02
03																									03
04																									04
05																		T	0.03	T					05
06																T									06
07																									07
08																									08
09	T	0.07	T																						09
10																									10
11																									11
12							0.01	T	0.11	0.01	0.09	0.01	0.02	0.03	0.02	0.22	0.03	0.03	0.38	0.43	0.39	0.32	0.32	0.30	12
13	0.37	0.05		T	T	0.03		T	0.01	T															13
14																									14
15																									15
16																									16
17																							0.01	T	17
18	T	0.04	0.26	0.04	T	T																			18
19																			0.01	T	0.02	0.08s	0.16	0.12	19
20	0.14	0.24	0.09	0.05	0.06	0.03	T																		20
21						T																			21
22																							T	T	22
23	0.01	0.08	0.05	0.06	0.07	0.12	0.04	T	0.01	T	T	T						0.29	0.01		T	0.02	0.08	0.01	23
24	T		T	T	T							T													24
25					T		0.01	T	T	T	T	0.02	T	0.06	0.04		T	0.05		0.33	T	T		T	25
26					T	0.01	0.02	T		0.02	T	T	0.01	T	T	T		T	T	T	T				26
27					T		T																		27
28										T	T														28
29													T	T		0.03	0.03	0.41	0.08	0.09	0.03	0.03			29
30				0.01							T	T	T		T	T	T	0.01					T		30

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.27	0.32	0.32	0.33	0.37	0.39	0.48	0.64	0.78	0.91	1.08	1.28
Ending Date Time (yyyy-mm-dd hh:mi)	2020-04-25 19:25	2020-04-25 19:26	2020-04-25 19:26	2020-04-29 16:22	2020-04-29 16:31	2020-04-29 16:36	2020-04-12 19:38	2020-04-12 19:58	2020-04-12 20:21	2020-04-12 20:39	2020-04-12 20:55	2020-04-12 21:38

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