

### Local Climatological Data Daily Summary May 2020

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

Generated on 06/09/2020

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	76	44	60	-2.7				5	0	0544	1925		0.00			29.03		2.2	17	320	10	260	
02	82	45	64	1.1				1	0	0542	1926		0.00			29.15		1.6	16	220	8	200	
03	85	57	71	7.8				0	6	0541	1927		T			29.03		4.2	26	270	16	270	
04	80	60	70	6.6				0	5	0540	1927	RA	0.04			29.00		2.1	16	160	9	160	
05	82	59	71	7.3				0	6	0539	1928	RA	0.02			28.87		5.0	24	280	16	280	
06	61	43	52	-11.9				13	0	0538	1929	RA	0.03			29.01		3.0	24	320	14	280	
07	69	38	54	-10.2				11	0	0537	1930		T			29.13		1.6	19s	260s	12	260	
08	54	43	49	-15.5				16	0	0536	1931	RA BR	0.47			29.00		2.4	20s	350s	12	340	
09	63	35	49	-15.7				16	0	0536	1932	RA BR	0.04			29.21		1.6	17	340	10	330	
10	71	35*	53	-12.0				12	0	0535	1932	BR	T			29.21		3.2	22	340	14	330	
11	63	42	53	-12.3				12	0	0534	1933		0.00			29.22		3.3	19	270	12	290	
12	65	41	53	-12.6				12	0	0533	1934	RA	T			29.29		1.7	13	250	9	260	
13	64	50	57	-8.8				8	0	0532	1935	RA	0.03			29.29		0.6	9	080	7	090	
14	82	50	66	-0.1				0	1	0531	1936	RA FG BR	0.00s			29.24		2.1	17	099	9	260	
15	83	59	71	4.6				0	6	0531	1936		0.00			29.12		3.2	20	260	12	260	
16	87	59	73	6.3				0	8	0530	1937		0.00			29.06		1.0	*		5	099	
17	87	60	74	7.0				0	9	0529	1938		0.00			28.99		2.0	14	170	10	140	
18	76	67	72	4.8				0	7	0528	1939	RA FG BR	1.04			28.87		1.3	14	120	9	150	
19	68	60	64	-3.5				1	0	0528	1940	RA FG BR	1.03			28.82		2.0	11	030	7	080	
20	70	55	63	-4.8				2	0	0527	1940	RA BR	1.08			28.97		4.0	16	080	10	080	
21	73	56	65	-3.1				0	0	0526	1941	RA	T			29.06		1.3	12	070	7	070	
22	70	61	66	-2.4				0	1	0526	1942	RA BR	0.55			29.08		1.5	13	200	7	210	
23	84	62	73	4.3				0	8	0525	1943		T			29.08		1.8	14	150	9	150	
24	87*	67	77	8.0				0	12	0525	1943		0.00			29.10		0.9	12	220	7	260	
25	86	65	76	6.7				0	11	0524	1944	RA BR	0.27			29.11		1.2	30	160	18	160	
26	78	65	72	2.4				0	7	0524	1945	RA	0.12			29.10		1.0	10	070	7	070	
27	81	67	74	4.1				0	9	0523	1946	RA	0.01			29.04		1.9	12	090	8	080	
28	80	66	73	2.8				0	8	0523	1946	RA BR	0.25			29.03		1.4	14	240	8	160	
29	84	65	75	4.5				0	10	0522	1947	RA	0.03			29.07		2.6	22	270	10	290	
30	84	63	74	3.2				0	9	0522	1948		0.00			29.10		1.2	13	270	8	300	
31	79	60	70	-1.1				0	5	0522	1948		0.00			29.19		2.9	20	080	10	070	
	75.9	54.8	65.4										0.41s			29.08	30.03						
	-2.4	-0.4	-1.4										-3.88s										

Monthly Averages   Totals												Precipitation		Pressure		Wind		Maximum Wind Speed = MPH					
Departure from Normal (1981-2010)												Precipitation		Pressure		Wind		Maximum Wind Speed = MPH					
Degree Days												Precipitation		Pressure		Wind		Maximum Wind Speed = MPH					
Monthly						Season-to-date						Temperature				Precipitation		Snow		Weather			
Total		Departure				Total		Departure				Max		Min		Precipitation		Snow		Weather			
Heating		Cooling				>=90°		<=32°		<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog	
Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure						Precipitation		Pressure		Wind		Maximum Wind Speed = MPH					
2007-03-22						Maximum		30.34		Date		12		Time		0742		24-Hr... Precip		Snowfall		Snow Depth	
						Minimum		29.69		Date		19		Time		0517		0.26s					
												27-28											
<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 May 2020

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

Generated on 06/09/2020

Date	Time (LST)	Station Type	Sky Conditions	Visibility	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	BKN:07 70 OVC:08 95	10.00		52	11.1	47	8.3	42	5.6	69	8	280		28.96	8	0.00	29.93	FM-15	0.00	29.93
01	0153	7	OVC:08 90	10.00		52	11.1	46	7.8	40	4.4	64	8	280		28.96			29.93	FM-15	0.00	29.93
01	0253	7	OVC:08 80	10.00		53	11.7	45	7.2	37	2.8	55	0	000		28.96			29.93	FM-15	0.00	29.93
01	0353	7	SCT:04 70	10.00		49	9.4	44	6.7	38	3.3	66	0	000		28.98	3	-0.02	29.95	FM-15	0.00	29.95
01	0453	7	CLR:00	10.00		46	7.8	42	5.6	38	3.3	73	0	000		28.99			29.97	FM-15	0.00	29.96
01	0553	7	CLR:00	10.00		44	6.7	42	5.6	39	3.9	83	0	000		29.02			29.99	FM-15	0.00	29.99
01	0653	7	CLR:00	10.00		49	9.4	45	7.2	40	4.4	71	0	000		29.05	3	-0.06	30.01	FM-15	0.00	30.02
01	0753	7	CLR:00	10.00		54	12.2	47	8.3	39	3.9	57	0	000		29.07			30.03	FM-15	0.00	30.04
01	0853	7	CLR:00	10.00		57	13.9	49	9.4	40	4.4	53	3	VRB		29.08			30.05	FM-15	0.00	30.05
01	0953	7	CLR:00	10.00		61	16.1	50	10.0	40	4.4	46	7	260		29.10	1	-0.05	30.06	FM-15	0.00	30.07
01	1053	7	CLR:00	10.00		64	17.8	51	10.6	39	3.9	40	7	260		29.10			30.06	FM-15	0.00	30.07
01	1153	7	CLR:00	10.00		66	18.9	53	11.7	40	4.4	39	5	VRB		29.09			30.05	FM-15	0.00	30.06
01	1253	7	CLR:00	10.00		68	20.0	54	12.2	40	4.4	36	0	000		29.08	8	+0.02	30.03	FM-15	0.00	30.05
01	1353	7	CLR:00	10.00		71	21.7	54	12.2	38	3.3	30	3	VRB		29.07			30.02	FM-15	0.00	30.04
01	1453	7	CLR:00	10.00		73	22.8	55	12.8	38	3.3	28	3	VRB		29.06			30.01	FM-15	0.00	30.03
01	1553	6	CLR:00	10.00		75	23.9	55	12.8	36	2.2	24				29.05	6	+0.02	30.01	FM-15	0.00	30.02
01	1653	7	CLR:00	10.00		75	23.9	55	12.8	35	1.7	23	0	000		29.06			30.01	FM-15	0.00	30.03
01	1753	7	CLR:00	10.00		75	23.9	54	12.2	34	1.1	22	5	VRB		29.07			30.02	FM-15	0.00	30.04
01	1853	7	CLR:00	10.00		72	22.2	54	12.2	36	2.2	27	0	000		29.08	3	-0.02	30.03	FM-15	0.00	30.05
01	1953	7	CLR:00	10.00		64	17.8	52	11.1	40	4.4	41	0	000		29.10			30.06	FM-15	0.00	30.07
01	2053	7	CLR:00	10.00		57	13.9	50	10.0	43	6.1	60	0	000		29.13			30.09	FM-15	0.00	30.10
01	2153	7	CLR:00	10.00		54	12.2	49	9.4	43	6.1	67	0	000		29.13	3	-0.06	30.11	FM-15	0.00	30.11
01	2253	7	CLR:00	10.00		52	11.1	48	8.9	44	6.7	75	0	000		29.15			30.12	FM-15	0.00	30.13
01	2353	7	CLR:00	10.00		50	10.0	47	8.3	43	6.1	77	0	000		29.15			30.12	FM-15	0.00	30.13

U.S. Department of Commerce  
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**Local Climatological Data**  
**Hourly Remarks**  
**May 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 06/09/2020

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

Date	Time (LST)	Remarks
01	0053	MET12405/01/20 00:53:02 METAR KOQT 010553Z 28007KT 10SM BKN070 OVC095 11/06 A2993 RMK AO2 SLP135 60000 T01110056 10144 20106 58001
01	0153	MET09305/01/20 01:53:02 METAR KOQT 010653Z 28007KT 10SM OVC090 11/04 A2993 RMK AO2 SLP136 T01110044
01	0253	MET09705/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM OVC080 12/03 A2993 RMK AO2 SLP136 T01170028 RTX
01	0353	MET09905/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM SCT070 09/03 A2995 RMK AO2 SLP142 T00940033 53006
01	0453	MET09005/01/20 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 08/03 A2996 RMK AO2 SLP148 T00780033
01	0553	MET09005/01/20 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 07/04 A2999 RMK AO2 SLP156 T00670039
01	0653	MET11405/01/20 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 09/04 A3002 RMK AO2 SLP164 70001 T00940044 10122 20067 53021
01	0753	MET09005/01/20 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR 12/04 A3004 RMK AO2 SLP169 T01220039
01	0853	MET09005/01/20 08:53:02 METAR KOQT 011353Z VRB03KT 10SM CLR 14/04 A3005 RMK AO2 SLP175 T01390044
01	0953	MET09605/01/20 09:53:02 METAR KOQT 011453Z 26006KT 10SM CLR 16/04 A3007 RMK AO2 SLP180 T01610044 51018
01	1053	MET09005/01/20 10:53:02 METAR KOQT 011553Z 26006KT 10SM CLR 18/04 A3007 RMK AO2 SLP180 T01780039
01	1153	MET09005/01/20 11:53:02 METAR KOQT 011653Z VRB04KT 10SM CLR 19/04 A3006 RMK AO2 SLP177 T01890044
01	1253	MET10805/01/20 12:53:02 METAR KOQT 011753Z 00000KT 10SM CLR 20/04 A3005 RMK AO2 SLP171 T02000044 10206 20094 58007
01	1353	MET09005/01/20 13:53:02 METAR KOQT 011853Z VRB03KT 10SM CLR 22/03 A3004 RMK AO2 SLP166 T02170033
01	1453	MET09005/01/20 14:53:02 METAR KOQT 011953Z VRB03KT 10SM CLR 23/03 A3003 RMK AO2 SLP162 T02280033
01	1553	MET09605/01/20 15:53:02 METAR KOQT 012053Z KT 10SM CLR 24/02 A3002 RMK AO2 SLP161 T02390022 56008
01	1653	MET09005/01/20 16:53:02 METAR KOQT 012153Z 00000KT 10SM CLR 24/02 A3003 RMK AO2 SLP164 T02390017
01	1753	MET09005/01/20 17:53:02 METAR KOQT 012253Z VRB04KT 10SM CLR 24/01 A3004 RMK AO2 SLP166 T02390011
01	1853	MET10805/01/20 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 22/02 A3005 RMK AO2 SLP170 T02220022 10244 20200 53008
01	1953	MET09005/01/20 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 18/04 A3007 RMK AO2 SLP178 T01780044
01	2053	MET09005/01/20 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 14/06 A3010 RMK AO2 SLP190 T01390061
01	2153	MET09605/01/20 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 12/06 A3011 RMK AO2 SLP195 T01220061 53022
01	2253	MET09005/01/20 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 11/07 A3013 RMK AO2 SLP200 T01110067
01	2353	MET10005/01/20 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 10/06 A3013 RMK AO2 SLP200 T01000061 402440067

## Local Climatological Data Hourly Precipitation May 2020

Generated on 06/09/2020

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																									02	
03																									03	
04					T	T																			04	
05	0.01	T	0.01									T	T												05	
06											T	0.02	T	0.01											06	
07								T																	07	
08							T	T	T	0.01	0.07	0.04	0.07	0.02	0.09	0.14	0.02	0.01	T						08	
09	0.04s	T																							09	
10								T																T	10	
11																								T	11	
12																								T	12	
13	0.01	0.01	0.01				T		T							T	T	T							13	
14			T	T																					14	
15																									15	
16																									16	
17																									17	
18	T	T										0.31	0.05		0.01	0.01	T	0.30	0.01	T		0.02s	0.09	0.24	18	
19	0.01	0.05	T	0.09	0.12	0.25	0.27	0.18	0.06				T		T	T									19	
20	0.20s	0.07	0.04	0.44	0.02	0.17	0.14	T						T						T					20	
21																								T	T	21
22	0.12	T	0.06					T		T	T	0.18	0.17	0.01	T	0.01							T		22	
23								T										T							23	
24																									24	
25																0.12	0.15	T							25	
26	M	M	M	M	M	M	M	M	M	M	M	M	M	0.01	0.10						T	0.01			26	
27													T					T	0.01				T	T	T	27
28													T	0.18	0.07										28	
29																						0.03			29	
30																									30	
31																									31	

### Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.10	0.12	0.19	0.23	0.25	0.25	0.25s	0.25	0.25	0.25s	0.25	0.25s
Ending Date Time (yyyy-mm-dd hh:mi)	2020-05-28 14:02	2020-05-28 14:03	2020-05-28 14:03	2020-05-28 14:03	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08	2020-05-28 14:08

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