

Local Climatological Data
Daily Summary
May 2019

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

Generated on 06/10/2019

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	85	64	75	12.6				0	10	0545	1924		T			29.21		3.6	23	180	14	200	
02	86	66	76	13.3				0	11	0544	1925		0.00			29.17		2.7	16	220	10	260	
03	83	61	72	9.1				0	7	0542	1926	RA BR	0.12			29.03		2.4	20	190	13	260	
04	75	62	69	5.8				0	4	0541	1927	RA BR	0.85			28.93		1.2	16	230	8	230	
05	75	58	67	3.6				0	2	0540	1927	RA BR	0.44			28.84		1.6	15	320	9	340	
06	79	52	66	2.3				0	1	0539	1928	RA FG BR	0.00s			29.07		1.6	13	100	10	080	
07	84	52	68	4.1				0	3	0538	1929		0.00			29.15		1.0	12	190	8	280	
08	87	56	72	7.8				0	7	0537	1930		0.00			29.10		1.7	15	220	12	140	
09	78	63	71	6.5				0	6	0536	1931	RA	0.02			29.03		2.7	17	200	9	280	
10	84	64	74	9.3				0	9	0536	1932	RA	0.02			29.08		2.5	15	260	9	260	
11	75	65	70	5.0				0	5	0535	1932	RA BR	1.66			28.95		1.2	14	160	9	170	
12	76	62	69	3.7				0	4	0534	1933	RA FG BR	1.45			28.80		4.7	19	200	12	270	
13	69	52	61	-4.6				4	0	0533	1934		0.00			28.92		3.6	20	270	12	270	
14	71	46	59	-6.8				6	0	0532	1935		0.00			29.07		1.8	18	080	13	070	
15	70	46*	58	-8.1				7	0	0531	1936	FG BR	0.00			29.08		1.1	16	210	8	250	
16	83	50	67	0.6				0	2	0531	1936		0.00			29.05		1.6	13	200	8	260	
17	88	63	76	9.3				0	11	0530	1937	RA BR	0.60			29.02		2.4	16	360	9	010	
18	89	61	75	8.0				0	10	0529	1938	BR	0.00			29.04		1.4	25	160	13	160	
19	88	62	75	7.8				0	10	0528	1939	FG BR	0.00			29.02		2.6	26	200	16	210	
20	87	63	75	7.5				0	10	0528	1940		0.00			29.04		2.9	16	280	12	280	
21	88	57	73	5.2				0	8	0527	1940		0.00			29.02		1.9	12	160	9	160	
22	91	64	78	9.9				0	13	0526	1941		0.00			29.10		3.2	22	220	12	210	
23	90	70	80	11.6				0	15	0526	1942		0.00			29.21		3.0	16	210	9	260	
24	93	67	80	11.3				0	15	0525	1943	FG BR	0.00			29.19		1.6	17	260	10	260	
25	92	69	81	12.0				0	16	0525	1943		0.00			29.16		2.2	19	200	12	260	
26	92	67	80	10.7				0	15	0524	1944		0.00			29.15		2.7	20	210	10	250	
27	92	65	79	9.4				0	14	0524	1945		0.00			29.06		1.9	16	220	10	200	
28	92	70	81	11.1				0	16	0523	1946		0.00			28.97		3.4	19	210	12	250	
29	95*	71	83	12.8				0	18	0523	1946		0.00			28.94		3.2	22	210	12	210	
30	89	69	79	8.5				0	14	0522	1947		0.00			28.94		4.1	21	190	12	260	
31	86	66	76	5.2				0	11	0522	1948		0.00			28.95		3.3	24	280	14	270	
	84.3	61.4	72.9										5.16s			29.04	29.98						
	6.0	6.2	6.1										0.87s										

Monthly Averages Totals												5.16s		29.04	29.98								
Departure from Normal (1981-2010)												0.87s											
Degree Days						Number of days with...																	
Monthly			Season-to-date			Temperature				Precipitation		Snow		Weather									
Total	Departure		Total	Departure		Max	Min			>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog									
						>=90°	<=32°	<=32°	<=0°	8	6												
Heating						8	0	0	0	8	6												
Cooling																							
Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure				Greatest...													
2007-03-22						Maximum		Date		Time		24-Hr...		Snowfall		Snow Depth							
						Minimum						Precip											
												2.20s											
										Date													
										11-12													
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 May 2019

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

Generated on 06/10/2019

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		68	20.0	63	17.2	59	15.0	73	0	000		29.21	3	-0.01	30.14	FM-15	0.00	30.19
01	0153	7	CLR:00	10.00		67	19.4	62	16.7	59	15.0	76	3	190		29.19			30.13	FM-15	0.00	30.17
01	0253	7	CLR:00	10.00		66	18.9	62	16.7	59	15.0	78	0	000		29.19			30.12	FM-15	0.00	30.17
01	0353	7	CLR:00	10.00		66	18.9	62	16.7	59	15.0	78	0	000		29.19	5	+0.01	30.13	FM-15	0.00	30.17
01	0453	7	CLR:00	10.00		65	18.3	61	16.1	58	14.4	78	0	000		29.20			30.13	FM-15	0.00	30.18
01	0553	7	CLR:00	10.00		64	17.8	60	15.6	58	14.4	81	0	000		29.21			30.15	FM-15	0.00	30.19
01	0653	7	CLR:00	10.00		65	18.3	61	16.1	58	14.4	78	0	000		29.24	3	-0.04	30.18	FM-15	0.00	30.22
01	0753	7	CLR:00	10.00		72	22.2	65	18.3	60	15.6	66	5	VRB		29.25			30.19	FM-15	0.00	30.23
01	0853	7	CLR:00	10.00		74	23.3	66	18.9	61	16.1	64	5	VRB		29.25			30.19	FM-15	0.00	30.23
01	0953	7	FEW:02 32	10.00		78	25.6	68	20.0	63	17.2	60	6	VRB		29.26	1	-0.02	30.20	FM-15	0.00	30.24
01	1053	7	SCT:04 34 BKN:07 44 OVC:08 50	10.00		79	26.1	69	20.6	63	17.2	58	5	VRB		29.26			30.20	FM-15	0.00	30.24
01	1153	7	FEW:02 39 SCT:04 46 BKN:07 80	10.00		82	27.8	70	21.1	63	17.2	53	7	VRB		29.24			30.18	FM-15	0.00	30.22
01	1253	7	FEW:02 37 BKN:07 48 OVC:08 70	10.00		81	27.2	70	21.1	64	17.8	57	7	210		29.24	8	+0.02	30.17	FM-15	0.00	30.22
01	1353	7	SCT:04 50 SCT:04 65	10.00		83	28.3	68	20.0	60	15.6	46	9	200		29.22			30.15	FM-15	0.00	30.20
01	1453	7	CLR:00	10.00		83	28.3	68	20.0	60	15.6	46	7	VRB		29.19			30.13	FM-15	0.00	30.17
01	1553	7	FEW:02 60	10.00		84	28.9	67	19.4	57	13.9	40	7	VRB	22	29.18	6	+0.06	30.11	FM-15	0.00	30.16
01	1653	7	FEW:02 70	10.00		84	28.9	67	19.4	56	13.3	38	8	VRB	18	29.17			30.11	FM-15	0.00	30.15
01	1753	7	FEW:02 90	10.00		82	27.8	66	18.9	57	13.9	42	5	VRB		29.18			30.12	FM-15	0.00	30.16
01	1853	7	CLR:00	10.00		80	26.7	66	18.9	57	13.9	45	3	200		29.18	3	0.00	30.12	FM-15	0.00	30.16
01	1953	7	BKN:07 65 OVC:08 85	10.00		79	26.1	66	18.9	58	14.4	49	3	VRB		29.21			30.14	FM-15	0.00	30.19
01	2053	7	CLR:00	10.00		73	22.8	66	18.9	61	16.1	66	3	VRB		29.23			30.17	FM-15	T	30.21
01	2153	7	CLR:00	10.00		72	22.2	65	18.3	61	16.1	68	0	000		29.20	0	-0.02	30.14	FM-15	0.00	30.18
01	2253	7	FEW:02 55	10.00		71	21.7	65	18.3	62	16.7	73	3	260		29.21			30.14	FM-15	0.00	30.19
01	2353	7	FEW:02 55	10.00		71	21.7	65	18.3	62	16.7	73	0	000		29.21			30.14	FM-15	0.00	30.19

U.S. Department of Commerce
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Local Climatological Data
Hourly Remarks
May 2019

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 06/10/2019

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

Date	Time (LST)	Remarks
01	0053	MET10805/01/19 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 20/15 A3019 RMK AO2 SLP207 T02000150 10272 20200 53003
01	0153	MET09005/01/19 01:53:02 METAR KOQT 010653Z 19003KT 10SM CLR 19/15 A3017 RMK AO2 SLP203 T01940150
01	0253	MET09005/01/19 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 19/15 A3017 RMK AO2 SLP200 T01890150
01	0353	MET09605/01/19 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 19/15 A3017 RMK AO2 SLP203 T01890150 55004
01	0453	MET09005/01/19 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 18/14 A3018 RMK AO2 SLP204 T01830144
01	0553	MET09005/01/19 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 18/14 A3019 RMK AO2 SLP210 T01780144
01	0653	MET10805/01/19 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 18/14 A3022 RMK AO2 SLP220 T01830144 10200 20178 53015
01	0753	MET09005/01/19 07:53:02 METAR KOQT 011253Z VRB04KT 10SM CLR 22/16 A3023 RMK AO2 SLP225 T02220156
01	0853	MET09005/01/19 08:53:02 METAR KOQT 011353Z VRB04KT 10SM CLR 23/16 A3023 RMK AO2 SLP225 T02330161
01	0953	MET09905/01/19 09:53:02 METAR KOQT 011453Z VRB05KT 10SM FEW032 26/17 A3024 RMK AO2 SLP227 T02560172 51007
01	1053	MET10705/01/19 10:53:02 METAR KOQT 011553Z VRB04KT 10SM SCT034 BKN044 OVC050 26/17 A3024 RMK AO2 SLP228 T02610172
01	1153	MET10705/01/19 11:53:02 METAR KOQT 011653Z VRB06KT 10SM FEW039 SCT046 BKN080 28/17 A3022 RMK AO2 SLP221 T02780172
01	1253	MET12505/01/19 12:53:02 METAR KOQT 011753Z 21006KT 10SM FEW037 BKN048 OVC070 27/18 A3022 RMK AO2 SLP218 T02720178 10278 20183 58007
01	1353	MET10005/01/19 13:53:02 METAR KOQT 011853Z 20008KT 10SM SCT050 SCT065 28/16 A3020 RMK AO2 SLP211 T02830156
01	1453	MET09005/01/19 14:53:02 METAR KOQT 011953Z VRB06KT 10SM CLR 28/16 A3017 RMK AO2 SLP203 T02830156
01	1553	MET10205/01/19 15:53:02 METAR KOQT 012053Z VRB06G19KT 10SM FEW060 29/14 A3016 RMK AO2 SLP198 T02890139 56019
01	1653	MET09605/01/19 16:53:02 METAR KOQT 012153Z 22007G16KT 10SM FEW070 29/13 A3015 RMK AO2 SLP195 T02890133
01	1753	MET09305/01/19 17:53:02 METAR KOQT 012253Z VRB04KT 10SM FEW090 28/14 A3016 RMK AO2 SLP199 T02780139
01	1853	MET10805/01/19 18:53:02 METAR KOQT 012353Z 20003KT 10SM CLR 27/14 A3016 RMK AO2 SLP199 T02670139 10294 20267 53000
01	1953	MET10005/01/19 19:53:01 METAR KOQT 020053Z VRB03KT 10SM BKN065 OVC085 26/14 A3019 RMK AO2 SLP206 T02610144
01	2053	MET10505/01/19 20:53:01 METAR KOQT 020153Z VRB03KT 10SM CLR 23/16 A3021 RMK AO2 RAB01E37 SLP216 P0000 T02280161
01	2153	MET10205/01/19 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 22/16 A3018 RMK AO2 SLP206 60000 T02220161 50007
01	2253	MET09305/01/19 22:53:02 METAR KOQT 020353Z 26003KT 10SM FEW055 22/17 A3019 RMK AO2 SLP208 T02170167
01	2353	MET10305/01/19 23:53:02 METAR KOQT 020453Z 00000KT 10SM FEW055 22/17 A3019 RMK AO2 SLP207 T02170167 402940178

Local Climatological Data
Hourly Precipitation
May 2019

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

Generated on 06/10/2019

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								0.09	0.02							0.01	T	T	T	T					03
04						T	T					0.28	0.21	0.01	T					T	0.05	0.10	0.18	0.02	04
05	0.04	0.03	0.01	0.22	0.10	0.01	0.03																		05
06					T	T	T	T	T	T	T	T	T	T	T	T	T	T							06
07																									07
08																									08
09												T	T	T		T	0.02	T	T	T					09
10																								0.02	10
11	0.03	0.03	0.12	0.30	0.36	0.20	0.06	0.01	T	0.04				0.10	T						0.06	0.35	T		11
12		0.02	0.18	0.82	0.06	0.04	0.01	0.07	0.11	0.01		T			0.13										12
13																									13
14																									14
15																									15
16																									16
17	0.05	0.54	T		T		0.01																		17
18																									18
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Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.27	0.35	0.50	0.57	0.73	0.83	0.87	0.93	0.98	1.01	1.06	1.08
Ending Date Time (yyyy-mm-dd hh:mi)	2019-05-04 12:01	2019-05-12 03:16	2019-05-12 03:15	2019-05-12 03:20	2019-05-12 03:30	2019-05-12 03:32	2019-05-12 03:51	2019-05-12 03:46	2019-05-12 04:01	2019-05-12 04:20	2019-05-12 04:20	2019-05-12 04:46

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