

Local Climatological Data
Daily Summary
April 2019

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

Generated on 05/06/2019

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	57	31*	44	-10.7				21	0	0624	1859		0.00			29.29		4.3	17	040	13	070					
02	58	39	49	-6.0				16	0	0622	1900	RA	0.05			29.20		1.9	13	200	9	200					
03	72	33	53	-2.3				12	0	0621	1900	RA	0.00s			29.31		1.3	14	170	10	140					
04	74	42	58	2.5				7	0	0619	1901	RA	0.05			29.28		1.9	14	200	9	180					
05	67	53	60	4.2				5	0	0618	1902	RA BR	0.39			29.12		1.4	10	270	7	260					
06	78	52	65	8.9				0	0	0617	1903		0.00			29.15		1.4	13	230	9	190					
07	78	57	68	11.7				0	3	0615	1904	RA BR	0.10			29.15		2.4	16	200	10	200					
08	68	59	64	7.4				1	0	0614	1905	RA BR	1.22			28.99		2.3	18	190	10	230					
09	77	58	68	11.1				0	3	0612	1905		0.00			28.85		0.9	15	090	9	070					
10	81	48	65	7.9				0	0	0611	1906		0.00			28.89		1.9	12	170	8	080					
11	84	52	68	10.6				0	3	0610	1907		0.00			28.91		4.9	28	200	17	180					
12	80	64	72	14.4				0	7	0608	1908	RA BR	0.25			28.97		5.8	23	190	15	190					
13	71	59	65	7.1				0	0	0607	1909	RA BR	0.10			29.05		1.2	12	050	9	070					
14	82	49	66	7.9				0	1	0606	1910	RA BR	0.26			28.66		7.9	43	200	24	190					
15	63	42	53	-5.4				12	0	0604	1910	RA	T			29.06		4.2	24	280	15	260					
16	79	40	60	1.3				5	0	0603	1911		0.00			29.21		1.7	19	260	12	210					
17	80	51	66	7.1				0	1	0602	1912		0.00			29.11		2.1	17	190	12	200					
18	80	60	70	10.8				0	5	0600	1913	RA	T			28.90		4.6	27	190	17	200					
19	69	48	59	-0.4				6	0	0559	1914	RA FG BR	1.71			28.56		4.6	25	250	14	240					
20	49	44	47	-12.7				18	0	0558	1915	RA	0.10			28.72		4.3	19	210	10	200					
21	71	45	58	-1.9				7	0	0556	1915		T			29.08		2.1	16	340	9	350					
22	80	44	62	1.8				3	0	0555	1916		T			29.21		0.6	10	080	7	140					
23	84	50	67	6.6				0	2	0554	1917		0.00			29.11		2.6	20	190	10	200					
24	83	59	71	10.3				0	6	0553	1918		0.00			29.01		2.8	17	190	10	200					
25	75	61	68	7.1				0	3	0552	1919	RA	T			28.90		3.2	22	210	10	230					
26	72	54	63	1.8				2	0	0550	1920	RA BR	0.20			28.83		7.4	31	270	18	300					
27	74	43	59	-2.4				6	0	0549	1921		T			29.01		0.5	*		5s	250s					
28	81	59	70	8.3				0	5	0548	1921		0.00			29.00		3.4	18	250	12	280					
29	84	52	68	6.1				0	3	0547	1922		0.00			29.16		2.8	20	230	12	260					
30	87*	59	73	10.8				0	8	0546	1923		0.00			29.22		1.9	17	200	9	250					
Monthly Averages Totals													4.43s			29.03	29.98										
Departure from Normal (1981-2010)													0.25s														
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		11		9							
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...															
2007-03-22								Maximum		30.42		Date		1019		24-Hr... Precip		Snowfall		Snow Depth							
								Minimum		29.32		19		1608		1.71											
												Date															
												19-19															
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 April 2019

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

Generated on 05/06/2019

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		37	2.8	31	-0.6	20	-6.7	50	6	050		29.32	3	-0.03	30.32	FM-15	0.00	30.30
01	0153	7	CLR:00	10.00		36	2.2	30	-1.1	20	-6.7	52	7	360		29.31			30.31	FM-15	0.00	30.29
01	0253	7	CLR:00	10.00		34	1.1	29	-1.7	20	-6.7	56	6	050		29.32			30.32	FM-15	0.00	30.30
01	0353	7	CLR:00	10.00		33	0.6	29	-1.7	20	-6.7	58	3	050		29.33	3	-0.01	30.33	FM-15	0.00	30.31
01	0453	7	CLR:00	10.00		32	0.0	28	-2.2	19	-7.2	59	3	020		29.34			30.34	FM-15	0.00	30.32
01	0553	7	CLR:00	10.00		31	-0.6	27	-2.8	19	-7.2	61	3	VRB		29.35			30.35	FM-15	0.00	30.33
01	0653	7	CLR:00	10.00		32	0.0	27	-2.8	18	-7.8	56	6	040		29.36	3	-0.03	30.37	FM-15	0.00	30.34
01	0753	7	CLR:00	10.00		35	1.7	30	-1.1	20	-6.7	54	7	VRB		29.38			30.39	FM-15	0.00	30.36
01	0853	7	CLR:00	10.00		37	2.8	31	-0.6	20	-6.7	50	9	070		29.38			30.40	FM-15	0.00	30.36
01	0953	7	CLR:00	10.00		40	4.4	33	0.6	21	-6.1	47	6	070		29.40	1	-0.04	30.41	FM-15	0.00	30.38
01	1053	7	CLR:00	10.00		42	5.6	34	1.1	20	-6.7	41	6	050		29.39			30.40	FM-15	0.00	30.37
01	1153	7	CLR:00	10.00		46	7.8	36	2.2	20	-6.7	35	8	VRB		29.36			30.36	FM-15	0.00	30.34
01	1253	7	CLR:00	10.00		51	10.6	39	3.9	21	-6.1	31	5	VRB		29.32	8	+0.07	30.32	FM-15	0.00	30.30
01	1353	7	CLR:00	10.00		52	11.1	40	4.4	21	-6.1	30	6	VRB		29.29			30.29	FM-15	0.00	30.27
01	1453	7	CLR:00	10.00		53	11.7	40	4.4	21	-6.1	28	3	VRB		29.26			30.26	FM-15	0.00	30.24
01	1553	7	CLR:00	10.00		55	12.8	41	5.0	19	-7.2	24	5	VRB		29.23	6	+0.09	30.23	FM-15	0.00	30.21
01	1653	7	CLR:00	10.00		56	13.3	41	5.0	20	-6.7	24	6	VRB		29.21			30.22	FM-15	0.00	30.19
01	1753	7	CLR:00	10.00		54	12.2	40	4.4	19	-7.2	25	6	VRB		29.21			30.21	FM-15	0.00	30.19
01	1853	7	CLR:00	10.00		51	10.6	39	3.9	20	-6.7	29	3	VRB		29.20	6	+0.03	30.20	FM-15	0.00	30.18
01	1953	7	CLR:00	10.00		48	8.9	38	3.3	21	-6.1	34	0	000		29.20			30.20	FM-15	0.00	30.18
01	2053	7	CLR:00	10.00		45	7.2	37	2.8	24	-4.4	44	0	000		29.22			30.23	FM-15	0.00	30.20
01	2153	7	CLR:00	10.00		41	5.0	35	1.7	25	-3.9	53	0	000		29.22	0	-0.02	30.22	FM-15	0.00	30.20
01	2253	7	CLR:00	10.00		40	4.4	35	1.7	27	-2.8	60	0	000		29.22			30.22	FM-15	0.00	30.20
01	2353	7	CLR:00	10.00		41	5.0	35	1.7	27	-2.8	57	0	000		29.22			30.22	FM-15	0.00	30.20

U.S. Department of Commerce
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Local Climatological Data
Hourly Remarks
April 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 05/06/2019

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

Date	Time (LST)	Remarks
01	0053	MET10904/01/19 00:53:02 METAR KOQT 010553Z 05005KT 10SM CLR 03/M07 A3030 RMK AO2 SLP269 T00281067 10089 20028 53009
01	0153	MET09104/01/19 01:53:02 METAR KOQT 010653Z 36006KT 10SM CLR 02/M07 A3029 RMK AO2 SLP263 T00221067
01	0253	MET09104/01/19 02:53:02 METAR KOQT 010753Z 05005KT 10SM CLR 01/M07 A3030 RMK AO2 SLP267 T00111067
01	0353	MET09704/01/19 03:53:02 METAR KOQT 010853Z 05003KT 10SM CLR 01/M07 A3031 RMK AO2 SLP272 T00061067 53002
01	0453	MET09104/01/19 04:53:02 METAR KOQT 010953Z 02003KT 10SM CLR 00/M07 A3032 RMK AO2 SLP274 T00001072
01	0553	MET09204/01/19 05:53:02 METAR KOQT 011053Z VRB03KT 10SM CLR M01/M07 A3033 RMK AO2 SLP279 T10061072
01	0653	MET10904/01/19 06:53:02 METAR KOQT 011153Z 04005KT 10SM CLR 00/M08 A3034 RMK AO2 SLP284 T00001078 10028 21006 53009
01	0753	MET09104/01/19 07:53:02 METAR KOQT 011253Z VRB06KT 10SM CLR 02/M07 A3036 RMK AO2 SLP290 T00171067
01	0853	MET09104/01/19 08:53:02 METAR KOQT 011353Z 07008KT 10SM CLR 03/M07 A3036 RMK AO2 SLP293 T00281067
01	0953	MET09704/01/19 09:53:02 METAR KOQT 011453Z 07005KT 10SM CLR 04/M06 A3038 RMK AO2 SLP297 T00441061 51014
01	1053	MET09104/01/19 10:53:02 METAR KOQT 011553Z 05005KT 10SM CLR 06/M07 A3037 RMK AO2 SLP296 T00561067
01	1153	MET09104/01/19 11:53:02 METAR KOQT 011653Z 06007KT 10SM CLR 08/M07 A3034 RMK AO2 SLP282 T00781067
01	1253	MET10904/01/19 12:53:02 METAR KOQT 011753Z VRB04KT 10SM CLR 11/M06 A3030 RMK AO2 SLP269 T01061061 10106 20000 58025
01	1353	MET09104/01/19 13:53:02 METAR KOQT 011853Z VRB05KT 10SM CLR 11/M06 A3027 RMK AO2 SLP258 T01111061
01	1453	MET09104/01/19 14:53:02 METAR KOQT 011953Z VRB03KT 10SM CLR 12/M06 A3024 RMK AO2 SLP247 T01171061
01	1553	MET09704/01/19 15:53:02 METAR KOQT 012053Z VRB04KT 10SM CLR 13/M07 A3021 RMK AO2 SLP237 T01281072 56030
01	1653	MET09104/01/19 16:53:02 METAR KOQT 012153Z VRB05KT 10SM CLR 13/M07 A3019 RMK AO2 SLP232 T01331067
01	1753	MET09104/01/19 17:53:02 METAR KOQT 012253Z VRB05KT 10SM CLR 12/M07 A3019 RMK AO2 SLP230 T01221072
01	1853	MET10904/01/19 18:53:02 METAR KOQT 012353Z VRB03KT 10SM CLR 11/M07 A3018 RMK AO2 SLP227 T01061067 10139 20100 56011
01	1953	MET09104/01/19 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 09/M06 A3018 RMK AO2 SLP227 T00891061
01	2053	MET09104/01/19 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 07/M04 A3020 RMK AO2 SLP237 T00721044
01	2153	MET09704/01/19 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 05/M04 A3020 RMK AO2 SLP235 T00501039 50007
01	2253	MET09104/01/19 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 04/M03 A3020 RMK AO2 SLP235 T00441028
01	2353	MET10104/01/19 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 05/M03 A3020 RMK AO2 SLP235 T00501028 401391006

Local Climatological Data
Hourly Precipitation
April 2019

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

Generated on 05/06/2019

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					T	0.02	0.03	T																	02	
03							T	T																	03	
04																							T	0.05	04	
05	0.07	0.04	0.04	0.04	0.05	0.11	0.03	0.01	T																05	
06																									06	
07					0.01	0.01	0.01	0.06	0.01								T			T					07	
08							T		0.11	0.24	0.44	T	T	T		T	T	0.19	0.08	0.07	0.08	0.01			08	
09																									09	
10																									10	
11																									11	
12								T	0.21	0.04	T													T	12	
13	T	T	T			T	0.01	0.05	0.02	T			0.01	0.01					T	T	T				13	
14							T	0.03	0.10	0.06						T	M	0.01	T	T	T	T	T	T	14	
15	T	T	T	T	T																				15	
16																									16	
17																									17	
18																								T	18	
19	0.14s	0.02	0.03	0.19	0.17	0.13	0.22	0.01	0.04	0.02	T	T	T	T	0.02	0.61	0.03	0.04	0.03		0.01	T	T	T	19	
20	T				T		T			T	T	T	0.02	0.03	0.01	T	0.03	0.01						T	20	
21				T																					21	
22							T																		22	
23																									23	
24																									24	
25				T		T	T															T	T	T	T	25
26	T	0.05	T	T	T	0.11	0.01	T	T	0.03	T	T	T	T	T	T	T	T	T	T	T	T	T	T	26	
27																							T	T		27
28																									28	
29																									29	
30																									30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.39	0.55	0.62	0.63	0.63	0.63	0.63	0.66	0.68	0.76	0.79	0.79
Ending Date Time (yyyy-mm-dd hh:mi)	2019-04-19 15:10	2019-04-19 15:13	2019-04-19 15:13	2019-04-19 15:13	2019-04-19 15:13	2019-04-19 15:13	2019-04-19 15:13	2019-04-19 16:13	2019-04-19 16:13	2019-04-08 10:39	2019-04-08 10:35	2019-04-08 10:39

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