

# Local Climatological Data Daily Summary April 2017

Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W

Generated on 06/05/2017

Station: **OAK RIDGE ASOS, TN US WBAN:53868**

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather Type	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	66	47	56	1.0	64	43	49	9	0	0624	1859		0.00			29.11	30.11	3.5	17	070	10	070							
02	82	43	62	6.7	52	36	46	3	0	0622	1900		0.00			29.11	30.15	1.9	13	070	9	070							
03	70	55	62	6.5	79	53	56	3	0	0621	1900	RA:16 FG:01 BR:13	1.54			28.84	29.77	3.0	20	210	12	210							
04	80	57	68	12.2	53	50	58	0	3	0619	1901		0.00			28.82	29.78	4.7	20	260	13	200							
05	76	51	64	7.9	73	52	56	1	0	0618	1902	RA:16	0.39			28.79	29.72	4.1	29	210	20	190							
06	59	46	52	-4.3	66	38	44	13	0	0617	1903	RA:16	0.08			28.78	29.78	8.7	29	250	17	260							
07	61	41	51	-5.6	45	28	41	14	0	0615	1904		0.02			29.03	30.03	6.0	26	310	16	310							
08	69	35*	52	-4.9	48	29	42	13	0	0614	1905		0.00			29.13	30.12	1.5	13	190	10	180							
09	78	37	58	0.9	43	32	46	7	0	0612	1905		0.00			29.15	30.13	3.3	19	190	13	200							
10	82	57	70	12.6	33	37	52	0	5	0611	1906		0.00			29.21	30.17	4.9	26	220	15	180							
11	82	54	68	10.4	49	48	57	0	3	0610	1907		0.00			29.23	30.19	3.5	18	170	13	170							
12	81	56	68	10.1	49	45	56	0	3	0608	1908		T			29.29	30.25	2.6	18	080	14	090							
13	86	50	68	9.9	42	41	53	0	3	0607	1909		0.00			29.28	30.24	1.2	11	140	7	140							
14	88	47	68	9.6	48	45	56	0	3	0606	1910		0.00			29.26	30.21	2.3	15	190	10	160							
15	84	60	72	13.3	50	51	60	0	7	0604	1910		0.00			29.28	30.22	3.0	18	260	12	190							
16	82	62	72	13.1	52	52	60	0	7	0603	1911		0.00			29.21	30.14	3.7	23	200	13	200							
17	78	60	69	9.8	76	58	62	0	4	0602	1912	RA:16 BR:13	0.37			29.13	30.08	2.2	15	320	9	320							
18	69	61	65	5.6	88	61	62	0	0	0600	1913	RA:16 BR:13	0.19			29.21	30.17	0.7	7	050	6	090							
19	81	60	70	10.3	76	60	64	0	5	0559	1914	RA:16 BR:13	0.02			29.25	30.20	1.9	17	180	10	200							
20	82	64	73	13.1	76	62	65	0	8	0558	1915	RA:16 BR:13	0.12			29.17	30.10	2.0	23	250	14	260							
21	82	64	73	12.8	83	63	66	0	8	0556	1916	RA:16 BR:13	1.25			29.02	29.94	1.6	18	320	13	330							
22	72	56	64	3.6	87	58	60	1	0	0555	1916	RA:16 FG:01 BR:13	2.54			28.93	29.88	1.8	26	280	17	290							
23	59	54	56	-4.7	91	53	54	9	0	0554	1917	RA:16 BR:13	2.57			28.87	29.84	4.2	23	100	14	090							
24	73	53	63	2.1	69	52	56	2	0	0553	1918		0.00			28.84	29.78	4.8	19	100	13	080							
25	76	52	64	2.8	72	53	57	1	0	0552	1919		0.00			28.79	29.77	2.0	12	140	8	130							
26	84	51	68	6.6	65	55	60	0	3	0550	1920	FG:01 BR:13	0.00			28.80	29.74	2.2	15	170	12	160							
27	79	58	68	6.3	74	58	62	0	3	0549	1921	RA:16 BR:13	0.82			28.81	29.75	3.5	21	220	13	200							
28	82	53	68	6.1	71	59	63	0	3	0548	1921	FG:01 BR:13	0.00			29.00	29.96	2.8	17	280	12	270							
29	91*	68	80	17.8	61	63	69	0	15	0547	1922		0.00			29.08	30.02	3.0	22	190	13	160							
30	85	66	76	13.6	62	61	67	0	11	0546	1923	RA:16	0.04			29.03	29.96	4.6	33	240	17	250							
	77.3	53.9	65.6										9.95			29.05	30.00	3.1											
	6.7	7.0	6.8	Departure from Normal (1981-2010)								5.77																	
Degree Days												Number of days with...																	
Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather													
Total		Departure		Total		Departure		Max		Min																			
Heating		71s		-144s		2612		>=90°		<=32°		<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog					
Cooling		98		71		100		1		0		0		0		13		9											
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...																	
2007-03-22								Maximum		30.32		Date		15		Time		0953		Precip		4.67		Snowfall		Snow Depth			
								Minimum		29.57		05		1853															
																				Date									
Station Augmentation																													
Name:OAK RIDGE ATDD, TN Lat: 35.998 Lon: -84.2192 Elevation: 1019ft 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  
Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W  
Station: OAK RIDGE ASOS, TN US WBAN:53868

### Local Climatological Data Hourly Observations April 2017

Generated on 06/05/2017

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

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)											
01	0051	6	BKN:07 28 OVC:08 35	10.00		54	12.0	50	9.9	46	8.0	77	3	250		29.02				FM-16		29.99
01	0053	7	BKN:07 28 OVC:08 35	10.00		54	12.2	50	9.9	46	7.8	75	0	000		29.02	1	-0.03	29.98	FM-15	0.00	29.99
01	0153	7	OVC:08 28	10.00		55	12.8	50	9.7	44	6.7	67	6	310		29.03			29.99	FM-15	0.00	30.00
01	0253	7	OVC:08 28	10.00		54	12.2	49	9.6	45	7.2	72	0	000		29.04			30.00	FM-15	0.00	30.01
01	0353	7	OVC:08 28	10.00		53	11.7	48	9.1	44	6.7	72	3	260		29.05	3	-0.04	30.02	FM-15	0.00	30.02
01	0453	7	OVC:08 27	10.00		53	11.7	49	9.3	45	7.2	74	3	230		29.07			30.03	FM-15	0.00	30.04
01	0553	7	OVC:08 28	10.00		52	11.1	48	9.0	45	7.2	77	0	000		29.09			30.06	FM-15	0.00	30.06
01	0653	7	OVC:08 28	10.00		52	11.1	48	8.8	44	6.7	75	0	000		29.10	3	-0.06	30.08	FM-15	0.00	30.08
01	0753	7	OVC:08 24	10.00		52	11.1	48	9.0	45	7.2	77	3	230		29.13			30.10	FM-15	0.00	30.11
01	0853	7	OVC:08 27	10.00		55	12.8	49	9.6	43	6.1	64	6	360		29.14			30.11	FM-15	0.00	30.12
01	0953	7	OVC:08 29	10.00		55	12.8	49	9.6	43	6.1	64	3	VRB		29.16	3	-0.06	30.14	FM-15	0.00	30.14
01	1053	7	OVC:08 27	10.00		56	13.3	50	9.8	42	5.6	60	3	VRB		29.17			30.14	FM-15	0.00	30.15
01	1153	7	OVC:08 28	10.00		58	14.4	51	10.6	43	6.1	58	3	250		29.16			30.14	FM-15	0.00	30.14
01	1205	7	BKN:07 30 OVC:08 35	10.00		59	15.0	52	11.0	43	6.1	56	0	000		29.16				FM-16		30.14
01	1253	7	SCT:04 32	10.00		59	15.0	52	11.0	43	6.1	56	0	000		29.14	8	+0.02	30.12	FM-15	0.00	30.12
01	1353	7	BKN:07 35	10.00		62	16.7	54	12.3	44	6.7	52	5	100		29.15			30.11	FM-15	0.00	30.13
01	1453	7	CLR:00	10.00		65	18.3	56	13.4	43	6.1	45	3	VRB		29.13			30.09	FM-15	0.00	30.10
01	1553	6	CLR:00	10.00		65	18.3	56	13.5	44	6.7	47	5	VRB		29.13	7	+0.02	30.09	FM-15	0.00	30.11
01	1653	7	CLR:00	10.00		65	18.3	56	13.5	44	6.7	47	5	050		29.14			30.11	FM-15	0.00	30.12
01	1753	7	CLR:00	10.00		62	16.7	54	12.3	44	6.7	52	3	VRB		29.15			30.13	FM-15	0.00	30.13
01	1853	7	CLR:00	10.00		56	13.3	50	9.9	43	6.1	62	7	VRB		29.18	3	-0.05	30.16	FM-15	0.00	30.16
01	1953	7	CLR:00	10.00		53	11.7	48	8.7	42	5.6	66	7	060		29.19			30.17	FM-15	0.00	30.17
01	2053	7	CLR:00	10.00		50	10.0	45	7.4	40	4.4	68	7	VRB		29.20			30.18	FM-15	0.00	30.18
01	2153	7	CLR:00	10.00		49	9.4	45	7.0	40	4.4	71	3	050		29.21	1	-0.03	30.19	FM-15	0.00	30.19
01	2253	7	CLR:00	10.00		48	8.9	44	6.7	40	4.4	74	3	070		29.20			30.19	FM-15	0.00	30.18
01	2353	7	CLR:00	10.00		48	8.9	44	6.5	39	3.9	71	3	050		29.21			30.19	FM-15	0.00	30.19

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Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W

Station: **OAK RIDGE ASOS, TN US WBAN:53868**

**Local Climatological Data**  
**Hourly Remarks**  
**April 2017**

Generated on 06/05/2017

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

Date	Time (LST)	Remarks
01	0051	MET08804/01/17 00:51:02 SPECI KOQT 010551Z 25003KT 10SM BKN028 OVC035 12/08 A2999 RMK AO2 FIBI
01	0053	MET11804/01/17 00:53:02 METAR KOQT 010553Z 00000KT 10SM BKN028 OVC035 12/08 A2999 RMK AO2 SLP153 T01220078 10156 20122 51010
01	0153	MET09304/01/17 01:53:02 METAR KOQT 010653Z 31005KT 10SM OVC028 13/07 A3000 RMK AO2 SLP156 T01280067
01	0253	MET09704/01/17 02:53:02 METAR KOQT 010753Z 00000KT 10SM OVC028 12/07 A3001 RMK AO2 SLP158 T01220072 RTX
01	0353	MET09904/01/17 03:53:02 METAR KOQT 010853Z 26003KT 10SM OVC028 12/07 A3002 RMK AO2 SLP165 T01170067 53012
01	0453	MET09704/01/17 04:53:02 METAR KOQT 010953Z 23003KT 10SM OVC027 12/07 A3004 RMK AO2 SLP171 T01170072 RTX
01	0553	MET09304/01/17 05:53:02 METAR KOQT 011053Z 00000KT 10SM OVC028 11/07 A3006 RMK AO2 SLP178 T01110072
01	0653	MET11104/01/17 06:53:02 METAR KOQT 011153Z 00000KT 10SM OVC028 11/07 A3008 RMK AO2 SLP186 T01110067 10128 20111 53021
01	0753	MET09304/01/17 07:53:02 METAR KOQT 011253Z 23003KT 10SM OVC024 11/07 A3011 RMK AO2 SLP194 T01110072
01	0853	MET09304/01/17 08:53:02 METAR KOQT 011353Z 36005KT 10SM OVC027 13/06 A3012 RMK AO2 SLP197 T01280061
01	0953	MET09904/01/17 09:53:02 METAR KOQT 011453Z VRB03KT 10SM OVC029 13/06 A3014 RMK AO2 SLP206 T01280061 53019
01	1053	MET09304/01/17 10:53:02 METAR KOQT 011553Z VRB03KT 10SM OVC027 13/06 A3015 RMK AO2 SLP208 T01330056
01	1153	MET09304/01/17 11:53:02 METAR KOQT 011653Z 25003KT 10SM OVC028 14/06 A3014 RMK AO2 SLP205 T01440061
01	1205	MET09304/01/17 12:05:02 SPECI KOQT 011705Z 00000KT 10SM BKN030 OVC035 15/06 A3014 RMK AO2 T01500061
01	1253	MET11104/01/17 12:53:02 METAR KOQT 011753Z 00000KT 10SM SCT032 15/06 A3012 RMK AO2 SLP199 T01500061 10161 20111 58006
01	1353	MET09304/01/17 13:53:02 METAR KOQT 011853Z 10004KT 10SM BKN035 17/07 A3013 RMK AO2 SLP198 T01670067
01	1453	MET09004/01/17 14:53:02 METAR KOQT 011953Z VRB03KT 10SM CLR 18/06 A3010 RMK AO2 SLP190 T01830061
01	1553	MET10504/01/17 15:53:02 METAR KOQT 012053Z VRB04KT 10SM CLR 18/07 A3011 RMK AO2 SLP191 T01830067 57006 RTX FIBI
01	1653	MET09004/01/17 16:53:02 METAR KOQT 012153Z 05004KT 10SM CLR 18/07 A3012 RMK AO2 SLP195 T01830067
01	1753	MET09004/01/17 17:53:02 METAR KOQT 012253Z VRB03KT 10SM CLR 17/07 A3013 RMK AO2 SLP203 T01670067
01	1853	MET10804/01/17 18:53:02 METAR KOQT 012353Z VRB06KT 10SM CLR 13/06 A3016 RMK AO2 SLP213 T01330061 10189 20133 53017
01	1953	MET09004/01/17 19:53:01 METAR KOQT 020053Z 06006KT 10SM CLR 12/06 A3017 RMK AO2 SLP217 T01170056
01	2053	MET09004/01/17 20:53:01 METAR KOQT 020153Z VRB06KT 10SM CLR 10/04 A3018 RMK AO2 SLP221 T01000044
01	2153	MET09604/01/17 21:53:02 METAR KOQT 020253Z 05003KT 10SM CLR 09/04 A3019 RMK AO2 SLP225 T00940044 51011
01	2253	MET09004/01/17 22:53:02 METAR KOQT 020353Z 07003KT 10SM CLR 09/04 A3018 RMK AO2 SLP223 T00890044
01	2353	MET10004/01/17 23:53:02 METAR KOQT 020453Z 05003KT 10SM CLR 09/04 A3019 RMK AO2 SLP222 T00890039 401890089

**Local Climatological Data**  
**Hourly Precipitation**  
**April 2017**

Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W

Generated on 06/05/2017

Station: **OAK RIDGE ASOS, TN US WBAN:53868**

Date	For Hour (LST) Ending at																							
	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																								
02																								
03						T	0.06s	0.10	0.39	0.27	0.32	0.27	0.02	T									T	0.11
04																								
05																								
06			T	0.01s	T	T		T	T	T	T	T	0.01	T	T	0.01	0.01	0.03	T	0.14	0.25	T		
07				0.02																				T
08																								
09																								
10																								
11																								
12			T	T																				
13																								
14																								
15																								
16																								
17						T	T	0.01	0.06	T					T	T	0.10	T		0.02	0.13	0.01	0.04	T
18				T	T	T		T	0.05	0.03	0.04	0.04	0.03	T	T						T	T	T	T
19																								
20			0.02	T																				
21		T			0.02	0.08	T								0.02		T							
22	0.10	0.01				T			0.01	0.09	0.11	0.04			T	0.33	0.02		T	0.15	0.45	0.03	0.02	0.10
23		T		0.06	0.06	0.05	0.16	0.02	0.18	0.19	0.37	0.19	0.31	0.57	0.21	0.12	0.07	0.01	T			T	T	T
24																								
25										M														
26																								
27						0.10	0.09	0.13	0.32	0.12	0.05		0.01											
28																								
29																								
30																					0.04		T	T

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)												
Ending Date Time (yyyy-mm-dd hh:mi)												

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 = 0.00  
 M = No precipitation recorded