

# Local Climatological Data Daily Summary June 2017

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

Generated on 07/06/2017

Station: OAK RIDGE ASOS, TN US WBAN:53868

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	84	58	71	-0.4				0	6	0522	1948	RA:16 FG:01 BR:13	0.20			29.13		1.5	17	340	9	340											
02	86	62	74	2.3				0	9	0521	1949	RA:16 FG:01 BR:13	T			29.12		1.1	13	080	9	080											
03	87	60	74	2.0				0	9	0521	1949		0.00			29.10		1.4	11	080	8	100											
04	82	62	72	-0.3				0	7	0521	1950	RA:16 BR:13	0.03			29.02		2.2	13	170	9	160											
05	75	68	72	-0.6				0	7	0520	1951	RA:16 FG:01 BR:13	1.12			28.88		1.7	13	210	8	250											
06	81	64	72	-0.9				0	7	0520	1951	FG:01 BR:13	0.00			28.87		2.9	16	010	9	010											
07	79	56	68	-5.2				0	3	0520	1952		0.00			28.94		3.2	18	070	12	070											
08	80	59	70	-3.4				0	5	0520	1952		0.00			28.95		2.0	17	210	9	260											
09	82	55	68	-5.7				0	3	0520	1953		0.00			29.00		1.0	13	130	8	150											
10	87	57	72	-2.0				0	7	0520	1953		0.00			29.11		1.3	13	210	9	250											
11	88	62	75	0.7				0	10	0520	1954	BR:13	0.00			29.20		2.4	14	180	10	160											
12	89	72	80	5.5				0	15	0520	1954		0.00			29.18		1.5	13	170	9	180											
13	90	71	80	5.2				0	15	0520	1954	RA:16	0.01			29.13		1.9	16	080	10	070											
14	86	67	76	1.0				0	11	0520	1955	RA:16 FG:01 BR:13	0.33			29.08		0.6	16	270	10	280											
15	85	69	77	1.7				0	12	0520	1955	RA:16 FG:01 BR:13	0.01			29.02		2.2	24	290	13	270											
16	86	66	76	0.5				0	11	0520	1956		0.00			28.95		2.0	10	050	7	170											
17	90	67	78	2.3				0	13	0520	1956	RA:16	T			28.90		2.7	15	270	9	270											
18	90*	71	80	4.1				0	15	0520	1956		0.00			28.92		3.5	20	200	10	200											
19	79	67	73	-3.1				0	8	0520	1956	RA:16	0.08			29.00		3.9	18	200	10	290											
20	86	66	76	-0.3				0	11	0520	1957	FG:01 BR:13	T			29.10		1.3	12	090	9	080											
21	85	67	76	-0.5				0	11	0520	1957		0.00			29.11		3.1	12	190	8	200											
22	78	71	74	-2.7				0	9	0521	1957	RA:16	0.14			29.10		0.9	12	090	8	090											
23	87	72	80	3.1				0	15	0521	1957	RA:16 FG:01 BR:13	1.33			28.94		5.7	30	180	18	190											
24	89	67	78	1.0				0	13	0521	1957	RA:16 BR:13	0.88			29.01		2.7	14	330	10	330											
25	83	59	71	-6.2				0	6	0521	1958		0.00			29.20		1.8	14	350	9	340											
26	82	54*	68	-9.4				0	3	0522	1958		0.00			29.19		1.9	14	320	9	320											
27	81	57	69	-8.5				0	4	0522	1958	RA:16	T			29.14		1.2	12	070	8	080											
28	86	55	70	-7.6				0	5	0522	1958		0.00			29.17		2.2	14	190	9	190											
29	88	64	76	-1.7				0	11	0523	1958	RA:16	T			29.15		3.5	22	200	13	230											
30	81	72	76	-1.8				0	11	0523	1958	RA:16 BR:13	0.16			29.07		2.1	13	190	9	190											
	84.4	63.9	74.2										4.29			29.05	30.00																
	-1.3	-0.6	-0.9										0.01																				
Departure from Normal (1981-2010)												0.01																					
Degree Days												Number of days with...																					
Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather																	
Total		Departure		Total		Departure		Max		Min																							
Heating		0		-2				>=90°		<=32°		<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms Heavy Fog											
Cooling		282		-23				3		0		0		0		11		7															
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...																					
2007-03-22								Maximum		30.22		Date		11		Time		0906		24-Hr... Precip		1.83s		Snowfall		Snow Depth							
								Minimum		29.70				23		1744																	
																				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																																	

**Local Climatological Data**  
**Hourly Observations**  
**June 2017**

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

Generated on 07/06/2017

Station: OAK RIDGE ASOS, TN US WBAN:53868

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	0053	7	CLR:00	10.00		64	17.8	61	16.3	60	15.6	87	0	000	29.13	2	-0.01	30.07	FM-15	0.00	30.11	
01	0153	7	CLR:00	10.00		63	17.2	60	15.8	59	15.0	87	0	000	29.13			30.06	FM-15	0.00	30.10	
01	0253	7	CLR:00	10.00		61	16.1	59	15.0	58	14.4	90	0	000	29.12			30.05	FM-15	T	30.09	
01	0353	7	CLR:00	10.00		60	15.6	58	14.5	57	13.9	90	0	000	29.13	5	+0.01	30.07	FM-15	0.00	30.11	
01	0453	7	CLR:00	10.00		59	15.0	58	14.3	57	13.9	93	0	000	29.14			30.08	FM-15	0.00	30.12	
01	0553	7	CLR:00	10.00		59	15.0	57	13.9	56	13.3	90	0	000	29.15			30.09	FM-15	0.00	30.13	
01	0653	7	SCT:04 100	10.00		63	17.2	60	15.4	58	14.4	84	0	000	29.16	3	-0.04	30.11	FM-15	0.00	30.14	
01	0753	7	CLR:00	10.00		68	20.0	62	16.4	57	13.9	68	0	000	29.17			30.11	FM-15	0.00	30.15	
01	0853	7	CLR:00	10.00		73	22.8	65	18.6	60	15.6	64	0	000	29.17			30.11	FM-15	0.00	30.15	
01	0953	7	CLR:00	10.00		75	23.9	67	19.4	61	16.1	62	0	000	29.17	0	-0.00	30.11	FM-15	0.00	30.15	
01	1053	7	CLR:00	10.00		80	26.7	69	20.7	56	13.3	44	6	260	29.17			30.11	FM-15	0.00	30.15	
01	1153	7	CLR:00	10.00		81	27.2	70	21.2	56	13.3	42	0	000	29.16			30.09	FM-15	0.00	30.14	
01	1253	7	FEW:02 60	10.00		83	28.3	72	22.2	55	12.8	38	5	VRB	29.14	8	+0.02	30.08	FM-15	0.00	30.12	
01	1353	7	BKN:07 120	10.00		81	27.2	70	21.2	54	12.2	39	7	VRB	29.13			30.07	FM-15	0.00	30.11	
01	1453	7	CLR:00	10.00		82	27.8	71	21.7	54	12.2	38	6	VRB	29.12			30.05	FM-15	0.00	30.09	
01	1553	7	FEW:02 120	10.00		80	26.7	69	20.8	57	13.9	45	3	070	29.10	6	+0.05	30.04	FM-15	0.00	30.07	
01	1641	7	BKN:07 46 OVC:08 70	0.75	+RA:02 BR:1  RA:63	68	20.0	66	18.8	65	18.3	90	0	000	29.15				FM-16	0.09	30.13	
01	1649	7	SCT:04 46 BKN:07 70 OVC:08 90	2.00	-RA:02 BR:1  RA:61	68	20.0	65	18.5	64	18.0	88	6	150	29.14				FM-16	0.12	30.12	
01	1651	6	FEW:02 42 SCT:04 49 OVC:08 90	3.00	-RA:02 BR:1  RA:61	68	20.0	65	18.5	64	18.0	88	5	130	29.14				FM-16		30.12	
01	1653	7	FEW:02 40 BKN:07 80 OVC:08 100	4.00	RA:02 BR:1  RA:62	68	20.0	66	18.8	65	18.3	90	3	130	29.13			30.09	FM-15	0.14	30.11	
01	1753	6	BKN:07 65 OVC:08 110	10.00		69	20.6	66	19.0	65	18.3	87			29.13			30.09	FM-15	0.03	30.11	
01	1800	7	FEW:02 18 BKN:07 60 OVC:08 75	1.75	+RA:02 BR:1  RA:63	68	20.0	65	18.5	64	17.8	87	5	VRB	29.13				FM-16	0.02	30.10	
01	1809	7	SCT:04 60 OVC:08 95	3.00	-RA:02 BR:1  RA:61	67	19.4	65	18.3	64	17.8	91	6	190	29.10				FM-16	0.04	30.08	
01	1853	7	FEW:02 100	10.00		67	19.4	64	17.9	63	17.2	87	3	VRB	29.12	0	-0.01	30.06	FM-15	0.03	30.09	
01	1953	7	CLR:00	10.00		66	18.9	64	17.7	63	17.2	90	0	000	29.10			30.05	FM-15	0.00	30.08	
01	2053	7	CLR:00	9.00		66	18.9	65	18.1	64	17.8	93	0	000	29.10			30.05	FM-15	0.00	30.08	
01	2151	6	FEW:02 2	7.00		64	18.0	63	17.4	63	17.0	94	0	000	29.12				FM-16		30.09	
01	2153	7	FEW:02 2	7.00		65	18.3	63	17.2	62	16.7	90	0	000	29.12	3	-0.01	30.06	FM-15	0.00	30.09	
01	2205	7	BKN:07 3	1.50	BR:1	64	17.8	63	17.0	62	16.7	93	0	000	29.12				FM-16		30.09	
01	2214	7	VV:09 2	0.50	FG:2  FG:30	64	17.8	63	17.0	62	16.7	93	0	000	29.12				FM-16		30.09	
01	2246	7	OVC:08 2	1.75	BR:1	64	17.8	63	17.4	63	17.2	96	0	000	29.12				FM-16		30.09	
01	2251	6	OVC:08 2	2.50	BR:1	64	18.0	63	17.4	63	17.0	94	0	000	29.12				FM-16		30.09	
01	2253	7	OVC:08 2	2.50	BR:1	64	17.8	63	17.0	62	16.7	93	0	000	29.12			30.06	FM-15	0.00	30.09	
01	2303	7	OVC:08 2	1.00	BR:1	64	17.8	63	17.0	62	16.7	93	0	000	29.12				FM-16		30.09	
01	2322	7	VV:09 2	0.75	BR:1	64	17.8	63	17.0	62	16.7	93	0	000	29.12				FM-16		30.09	
01	2343	7	OVC:08 2	1.25	BR:1	64	17.8	63	17.4	63	17.2	96	0	000	29.12				FM-16		30.09	
01	2353	7	VV:09 2	1.00	BR:1	64	17.8	63	17.4	63	17.2	96	0	000	29.13			30.06	FM-15	0.00	30.10	

U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service

**Local Climatological Data**  
**Hourly Remarks**  
**June 2017**

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

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

Generated on 07/06/2017

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

Date	Time (LST)	Remarks
01	0053	MET10806/01/17 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 18/16 A3011 RMK AO2 SLP184 T01780156 10278 20172 52005
01	0153	MET09406/01/17 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 17/15 A3010 RMK AO2 SLP180 T01720150 RTX
01	0253	MET10506/01/17 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 16/14 A3009 RMK AO2 RAB17E26 SLP177 P0000 T01610144
01	0353	MET10206/01/17 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 16/14 A3011 RMK AO2 SLP182 60000 T01560139 55003
01	0453	MET09006/01/17 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 15/14 A3012 RMK AO2 SLP187 T01500139
01	0553	MET09006/01/17 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 15/13 A3013 RMK AO2 SLP190 T01500133
01	0653	MET11706/01/17 06:53:02 METAR KOQT 011153Z 00000KT 10SM SCT100 17/14 A3014 RMK AO2 SLP195 60000 T01720144 10178 20144 53013
01	0753	MET09006/01/17 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR 20/14 A3015 RMK AO2 SLP198 T02000139
01	0853	MET09006/01/17 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR 23/16 A3015 RMK AO2 SLP197 T02280156
01	0953	MET09606/01/17 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 24/16 A3015 RMK AO2 SLP196 T02390161 50001
01	1053	MET09406/01/17 10:53:02 METAR KOQT 011553Z 26005KT 10SM CLR 27/13 A3015 RMK AO2 SLP195 T02670133 RTX
01	1153	MET09006/01/17 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 27/13 A3014 RMK AO2 SLP191 T02720133
01	1253	MET11106/01/17 12:53:02 METAR KOQT 011753Z VRB04KT 10SM FEW060 28/13 A3012 RMK AO2 SLP187 T02830128 10289 20172 58008
01	1353	MET09306/01/17 13:53:02 METAR KOQT 011853Z VRB06KT 10SM BKN120 27/12 A3011 RMK AO2 SLP182 T02720122
01	1453	MET09406/01/17 14:53:02 METAR KOQT 011953Z VRB05KT 10SM CLR 28/12 A3009 RMK AO2 SLP176 T02780122 RTX
01	1553	MET10306/01/17 15:53:02 METAR KOQT 012053Z 07003KT 10SM FEW120 27/14 A3007 RMK AO2 SLP172 T02670139 56016 RTX
01	1641	MET11306/01/17 16:41:02 SPECI KOQT 012141Z 00000KT 3/4SM +RA BR BKN046 OVC070 20/18 A3013 RMK AO2 RAB12 P0009 T02000183
01	1649	MET10806/01/17 16:49:02 SPECI KOQT 012149Z 15005KT 2SM -RA BR SCT046 BKN070 OVC090 20/18 A3012 RMK AO2 RAB12 P0012
01	1651	MET11306/01/17 16:51:02 SPECI KOQT 012151Z 13004KT 3SM -RA BR FEW042 SCT049 OVC090 20/18 A3012 RMK AO2 RAB12 P0013 FIBI
01	1653	MET12806/01/17 16:53:02 METAR KOQT 012153Z 13003KT 4SM RA BR FEW040 BKN080 OVC100 20/18 A3011 RMK AO2 RAB12 SLP191 P0013 T02000183 RTX
01	1753	MET12306/01/17 17:53:02 METAR KOQT 012253Z KT 10SM BKN065 OVC110 21/18 A3011 RMK AO2 RAE40 PRESRR SLP190 P0003 T02060183 RTX
01	1800	MET12806/01/17 18:00:02 SPECI KOQT 012300Z VRB04KT 1 3/4SM +RA BR FEW018 BKN060 OVC075 20/18 A3010 RMK AO2 RAB2256 P0002 T02000178 RTX
01	1809	MET11706/01/17 18:09:02 SPECI KOQT 012309Z 19005KT 3SM -RA BR SCT060 OVC095 19/18 A3008 RMK AO2 RAB2256 P0004 T01940178 RTX
01	1853	MET13406/01/17 18:53:02 METAR KOQT 012353Z VRB03KT 10SM FEW100 19/17 A3009 RMK AO2 RAB2256E30 SLP180 P0004 60020 T01940172 10283 20194 50004
01	1953	MET09006/01/17 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 19/17 A3008 RMK AO2 SLP175 T01890172
01	2053	MET08906/01/17 20:53:02 METAR KOQT 020153Z 00000KT 9SM CLR 19/18 A3008 RMK AO2 SLP175 T01890178
01	2151	MET08006/01/17 21:51:03 SPECI KOQT 020251Z 00000KT 7SM FEW002 18/17 A3009 RMK AO2 FIBI
01	2153	MET09806/01/17 21:53:02 METAR KOQT 020253Z 00000KT 7SM FEW002 18/17 A3009 RMK AO2 SLP178 T01830167 53002
01	2205	MET09206/01/17 22:05:02 SPECI KOQT 020305Z 00000KT 1 1/2SM BR BKN003 18/17 A3009 RMK AO2 T01780167
01	2214	MET08906/01/17 22:14:02 SPECI KOQT 020314Z 00000KT 1/2SM FG VV002 18/17 A3009 RMK AO2 T01780167
01	2246	MET09206/01/17 22:46:02 SPECI KOQT 020346Z 00000KT 1 3/4SM BR OVC002 18/17 A3009 RMK AO2 T01780172
01	2251	MET08706/01/17 22:51:03 SPECI KOQT 020351Z 00000KT 2 1/2SM BR OVC002 18/17 A3009 RMK AO2 FIBI
01	2253	MET09906/01/17 22:53:02 METAR KOQT 020353Z 00000KT 2 1/2SM BR OVC002 18/17 A3009 RMK AO2 SLP178 T01780167
01	2303	MET08806/01/17 23:03:02 SPECI KOQT 020403Z 00000KT 1SM BR OVC002 18/17 A3009 RMK AO2 T01780167
01	2322	MET08906/01/17 23:22:02 SPECI KOQT 020422Z 00000KT 3/4SM BR VV002 18/17 A3009 RMK AO2 T01780167
01	2343	MET09206/01/17 23:43:02 SPECI KOQT 020443Z 00000KT 1 1/4SM BR OVC002 18/17 A3009 RMK AO2 T01780172
01	2353	MET10406/01/17 23:53:02 METAR KOQT 020453Z 00000KT 1SM BR VV002 18/17 A3010 RMK AO2 SLP178 T01780172 402890144

**Local Climatological Data**  
**Hourly Precipitation**  
**June 2017**

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

Generated on 07/06/2017

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			T														0.14	0.03	0.03					
02		T																						
03																								
04													0.01	T								T		0.02
05	0.07	T			T	T	0.36	0.12	0.01	T	T	0.10	0.06	0.22	0.18	T			M					
06																								
07																								
08																								
09																								
10																								
11																								
12																								
13																								
14															T						0.01	T		
15															0.33	T								
16													T	T	0.01									
17				T																				
18																								
19				0.02	T	T	T	T			T				T	0.06								
20																				T				
21																								
22								0.01	T	T	0.02	T	T	0.01	T	0.01	0.03	T	0.03	0.01	T	T		0.02
23	0.01	0.22	0.06	0.01	0.06	0.02	T	0.09	0.06	T							T	0.02	0.22s	0.23	0.01	0.12	0.20	T
24		T	T	0.01	T	0.86	0.01																	
25																								
26																								
27	T	T																						
28																								
29																	T	T	T	T				
30							T	T	0.01	0.05	T	T	T	0.02	0.03	T	0.05							

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.21	0.32	0.42	0.58	0.79	0.86	0.86	0.87	0.87	0.87	0.88	0.88
Ending Date Time (yyyy-mm-dd hh:mi)	2017-06-14 13:37	2017-06-24 05:35	2017-06-24 05:42	2017-06-24 05:51	2017-06-24 05:53	2017-06-24 05:53	2017-06-24 05:53	2017-06-24 06:17	2017-06-24 06:17	2017-06-24 06:17	2017-06-24 06:17	2017-06-24 06:17

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