

# Local Climatological Data Daily Summary June 2019

Generated on 08/08/2019

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	85	59	72	0.9				0	7	0522	1948		0.00					0.9	11	160	7	160						
02	89	62	76	4.6	60	59	65	0	11	0521	1949		0.00			28.92	29.86	2.8	17	280	10	270						
03	83	62	73	1.3	51	52	61	0	8	0521	1949		0.00			29.05	30.02	3.0	16	090	10	080						
04	87	58	73	1.0	55	55	62	0	8	0521	1950		0.00			29.12	30.06	2.7	16	250	10	260						
05	81	69	75	2.7	77	66	69	0	10	0520	1951	RA FG BR HZ	0.41			29.01	29.94	2.4	17	330	9	340						
06	79	71	75	2.4	87	69	70	0	10	0520	1951	RA FG BR HZ	1.33			28.95	29.87	2.1	13	220	8	200						
07	79	69	74	1.1	88	69	70	0	9	0520	1952	RA BR	0.68			28.82	29.74	1.8	11	160	7	160						
08	82	68	75	1.8	80	67	69	0	10	0520	1952	RA FG BR	0.92			28.84	29.80	1.8	21	200	10	200						
09	83	69	76	2.6	83	68	70	0	11	0520	1953	RA BR	0.91			28.94	29.89	1.0	26	130	16	130						
10	87	67	77	3.3	69	65	69	0	12	0520	1953	RA BR	0.18			29.00	29.96	3.6	20	330	12	340						
11	77	59	68	-6.0	54	51	59	0	3	0520	1954		0.00			29.15	30.09	3.8	21	090	13	080						
12	72	61	67	-7.3	73	57	61	0	2	0520	1954	RA BR	0.14			29.02	29.95	1.5	12	090	8	100						
13	77	57	67	-7.5	59	52	59	0	2	0520	1954	RA BR	0.22			28.98	29.96	6.1	27	280	18	270						
14	79	50*	65	-9.8	57	48	56	0	0	0520	1955		0.00			29.20	30.16	1.1	13	090	8	090						
15	86	57	72	-3.0	58	57	63	0	7	0520	1955		0.00			29.14	30.07	3.4	21	200	12	190						
16	90	70	80	4.7	63	66	70	0	15	0520	1956		T			29.03	29.96	3.2	15	260	9	250						
17	89	71	80	4.5	78	69	71	0	15	0520	1956	RA BR	0.18			29.05	29.99	1.2	15	210	9	170						
18	80	71	76	0.3	87	70	71	0	11	0520	1956	RA BR	0.35			29.02	29.94	0.7	11	160	8	140						
19	86	70	78	2.1	83	69	71	0	13	0520	1956	RA BR	0.34			28.87	29.79	1.9	16	250	9	170						
20	82	67	75	-1.1	81	66	68	0	10	0520	1957	RA BR	0.21			28.84	29.78	3.2	23	200	14	260						
21	86	64	75	-1.3	69	64	68	0	10	0520	1957	RA	0.29			29.03	29.99	2.2	40	290	22	290						
22	82	67	75	-1.5	82	67	69	0	10	0521	1957	RA BR	0.30			29.09	30.02	2.1	21	260	14	320						
23	89	69	79	2.3	78	70	72	0	14	0521	1957	RA FG BR	0.24			29.07	29.99	2.0	13	190	9	220						
24	86	70	78	1.1	81	69	71	0	13	0521	1957	RA FG BR	1.21			28.95	29.87	2.3	26	280	16	270						
25	88	68	78	1.0	70	65	69	0	13	0521	1958	FG BR	0.00			29.07	30.02	2.5	17	260	10	260						
26	90	64	77	-0.2	68	64	68	0	12	0522	1958	RA FG BR	T			29.20	30.15	0.8	11	130	8	140						
27	92	67	80	2.6	64	66	70	0	15	0522	1958		0.00			29.23	30.16	1.6	12	080	8	160						
28	91	68	80	2.5	71	66	69	0	15	0522	1958	RA	T			29.25	30.17	1.8	17	110	12	100						
29	91	67	79	1.4	69	66	70	0	14	0523	1958	FG BR RA	0.00			29.21	30.13	1.0	11	140	8	080						
30	93*	69	81	3.3	64	68	72	0	16	0523	1958		0.00			29.11	30.03	1.4	13	160	8	270						
<b>Monthly Averages   Totals</b>													7.91			29.04	29.98	2.2										
<b>Departure from Normal (1981-2010)</b>													3.63															
<b>Degree Days</b>											<b>Number of days with...</b>																	
<b>Monthly</b>					<b>Season-to-date</b>					<b>Temperature</b>				<b>Precipitation</b>		<b>Snow</b>		<b>Weather</b>										
<b>Total</b>		<b>Departure</b>			<b>Total</b>		<b>Departure</b>			<b>Max</b>		<b>Min</b>		<b>&gt;=0.01"</b>		<b>&gt;=0.1"</b>		<b>&gt;=1"</b>		<b>T-Storms</b>		<b>Heavy Fog</b>						
Heating		0			-2			3282					>=90°		<=32°		<=32°		<=0°		16		16					
Cooling		301			-4			613					6		0		0		0									
<b>Date of 5-sec to 3-sec wind equipment change</b>								<b>Sea Level Pressure</b>								<b>Greatest...</b>												
2007-03-22								<b>Maximum</b>				<b>Date</b>				<b>Time</b>				<b>24-Hr...</b>				<b>Snow Depth</b>				
								30.22				27				0853				Precip		Snowfall						
								29.67				07				1753				1.77								
<b>Date</b>																06-07												
<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 June 2019

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

Generated on 08/08/2019

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		65	18.3	59	15.0	55	12.8	70	0	000		28.98	6	+0.01	29.91	FM-15	0.00	29.95
01	0153	7	CLR:00	10.00		63	17.2	58	14.4	55	12.8	75	0	000		28.97			29.90	FM-15	0.00	29.94
01	0253	7	CLR:00	10.00		63	17.2	58	14.4	55	12.8	75	0	000		28.99			29.91	FM-15	0.00	29.96
01	0353	7	CLR:00	10.00		61	16.1	58	14.4	55	12.8	81	0	000		28.99	3	-0.01	29.92	FM-15	0.00	29.96
01	0453	7	CLR:00	10.00		60	15.6	57	13.9	55	12.8	84	0	000		28.99			29.93	FM-15	0.00	29.96
01	0553	7	CLR:00	10.00		60	15.6	57	13.9	55	12.8	84	0	000		29.00			29.93	FM-15	0.00	29.97
01	1353	7	BKN:07 60	10.00		84	28.9	67	19.4	56	13.3	38	5	VRB		28.93			29.85	FM-15		29.90
01	1453	7	CLR:00	9.00		85	29.4	66	18.9	55	12.8	36	5	VRB		28.93			29.85	FM-15	0.00	29.90
01	1553	7	SCT:04 80	10.00		82	27.8	65	18.3	55	12.8	40	0	000		28.92			29.84	FM-15	0.00	29.89
01	1653	7	BKN:07 65	10.00		84	28.9	66	18.9	55	12.8	37	3	140		28.92			29.84	FM-15	0.00	29.89
01	1753	7	CLR:00	10.00		83	28.3	67	19.4	57	13.9	41	6	250		28.91			29.84	FM-15	0.00	29.88
01	1853	7	SCT:04 80	10.00		81	27.2	66	18.9	57	13.9	44	3	VRB		28.91	7	+0.01	29.84	FM-15	0.00	29.88
01	1953	7	CLR:00	10.00		78	25.6	67	19.4	60	15.6	54	0	000		28.91			29.84	FM-15	0.00	29.88
01	2053	7	SCT:04 65	10.00		75	23.9	66	18.9	61	16.1	62	0	000		28.92			29.85	FM-15	0.00	29.89
01	2153	7	CLR:00	10.00		73	22.8	66	18.9	61	16.1	66	0	000		28.94	3	-0.03	29.88	FM-15	0.00	29.91
01	2253	7	CLR:00	10.00		69	20.6	64	17.8	61	16.1	76	0	000		28.94			29.88	FM-15	0.00	29.91
01	2353	7	CLR:00	10.00		67	19.4	63	17.2	60	15.6	79	0	000		28.93			29.88	FM-15	0.00	29.90

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 Remarks**  
**June 2019**

Generated on 08/08/2019

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

Date	Time (LST)	Remarks
01	0053	MET10806/01/19 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 18/13 A2995 RMK AO2 SLP128 T01830128 10250 20183 56002
01	0153	MET09006/01/19 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 17/13 A2994 RMK AO2 SLP126 T01720128
01	0253	MET09006/01/19 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 17/13 A2996 RMK AO2 SLP130 T01720128
01	0353	MET09606/01/19 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 16/13 A2996 RMK AO2 SLP133 T01610128 53003
01	0453	MET09006/01/19 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 16/13 A2996 RMK AO2 SLP135 T01560128
01	0553	MET09006/01/19 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 16/13 A2997 RMK AO2 SLP137 T01560128
01	1353	MET09506/01/19 13:53:02 METAR KOQT 011853Z VRB04KT 10SM BKN060 29/13 A2990 RMK AO2 SLP108 T02890133 \$
01	1453	MET09106/01/19 14:53:02 METAR KOQT 011953Z VRB04KT 9SM CLR 29/13 A2990 RMK AO2 SLP107 T02940128 \$
01	1553	MET09506/01/19 15:53:02 METAR KOQT 012053Z 00000KT 10SM SCT080 28/13 A2989 RMK AO2 SLP106 T02780128 \$
01	1653	MET09506/01/19 16:53:02 METAR KOQT 012153Z 14003KT 10SM BKN065 29/13 A2989 RMK AO2 SLP106 T02890128 \$
01	1753	MET09206/01/19 17:53:02 METAR KOQT 012253Z 25005KT 10SM CLR 28/14 A2988 RMK AO2 SLP104 T02830139 \$
01	1853	MET11306/01/19 18:53:02 METAR KOQT 012353Z VRB03KT 10SM SCT080 27/14 A2988 RMK AO2 SLP105 T02720139 10294 20272 57004 \$
01	1953	MET09206/01/19 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 26/16 A2988 RMK AO2 SLP106 T02560156 \$
01	2053	MET09506/01/19 20:53:01 METAR KOQT 020153Z 00000KT 10SM SCT065 24/16 A2989 RMK AO2 SLP110 T02390161 \$
01	2153	MET09806/01/19 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 23/16 A2991 RMK AO2 SLP119 T02280161 53009 \$
01	2253	MET09206/01/19 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 21/16 A2991 RMK AO2 SLP119 T02060161 \$
01	2353	MET10206/01/19 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 19/16 A2990 RMK AO2 SLP118 T01940156 402940150 \$

**Local Climatological Data**  
**Hourly Precipitation**  
**June 2019**

Generated on 08/08/2019

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							M	M	M	M	M	M	M	M											01	
02																										02
03																										03
04																										04
05						0.01	0.05		0.29	0.05	0.01			T			T									05
06										0.04	0.48	0.27	0.14	0.09	0.02	0.26	0.01	0.02			T	T				06
07		0.01	0.10	0.04	0.02	0.04	0.17	0.05	0.01	T	T	0.02	0.02	0.01	0.04	0.05		T	T	T	0.08	0.02				07
08							T	T				0.86	M	0.01	T						T			0.05		08
09					T		T				T	0.07	0.02				T	T			0.72	0.10				09
10				T	0.01	0.07	0.07	0.03									T	T								10
11																										11
12						T	T	0.02	T														T	0.02	0.10	12
13	0.03	0.19	T																							13
14																										14
15																										15
16																T										16
17														0.17	T	0.01					T					17
18	T	0.04	T				0.01	T	0.01	0.09	0.04	T			T	0.01	0.03	T	T			T	0.12	T	18	
19		T		T		0.01	0.01				T							0.27						0.05	19	
20	0.07	T	0.01	0.02	T	0.01	0.06	T			T	0.03	0.01	T											20	
21																							0.20	0.09	21	
22	0.06	0.02	T		T							0.20	0.02				T	T							22	
23				T	T	T					0.22s	0.02													23	
24															0.02	0.45s	0.74	T							24	
25																									25	
26						T																			26	
27																									27	
28																T	T	T							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)	0.41	0.76	0.85	0.85	0.86	0.89	1.10	1.19	1.19	1.19	1.21	1.21
Ending Date Time (yyyy-mm-dd hh:mi)	2019-06-08 11:38	2019-06-08 11:40	2019-06-08 11:43	2019-06-08 11:49	2019-06-08 11:49	2019-06-24 16:28	2019-06-24 16:43	2019-06-24 16:52	2019-06-24 16:52	2019-06-24 16:52	2019-06-24 16:52	2019-06-24 16:52

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