

Local Climatological Data Daily Summary July 2018

Generated on 08/07/2018

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		Weather Type	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	90	73	82	4.1				0	17	0524	1958	RA FG BR	0.71			29.09		1.3	25	070	17	070		
02	90	71	81	3.0				0	16	0524	1958	RA FG BR	0.36			29.11		1.7	20	180	12	180		
03	95	72	83	4.9				0	18	0525	1958	BR	0.00			29.18		1.1	11	070	7	080		
04	95	74	84	5.8				0	19	0525	1957		0.00			29.23		2.3	16	080	10	080		
05	95*	74	84	5.7				0	19	0526	1957	BR	0.00			29.28		1.7	12	150	8	170		
06	91	71	81	2.7				0	16	0526	1957	RA FG BR	1.20			29.23		2.2	28s	010s	15	360		
07	85	70	77	-1.4				0	12	0527	1957	RA BR	0.62			29.19		1.1	30	070	20	090		
08	89	70	80	1.6				0	15	0527	1957		0.00			29.26		0.9	11	080	8	090		
09	90	67	78	-0.5				0	13	0528	1956	FG BR	0.00			29.28		1.3	11	160	8	280		
10	93	70	82	3.5				0	17	0528	1956	FG BR	T			29.16		1.4	12	250	8	280		
11	91	73	82	3.4				0	17	0529	1956	RA	T			29.08		0.7	14	330	10	330		
12	92	72	82	3.4				0	17	0530	1955	BR	0.00			29.13		1.5	13	080	8	080		
13	93	69	81	2.4				0	16	0530	1955		0.00			29.15		0.9	12	340	7	330		
14	91	74	82	3.4				0	17	0531	1954		0.00			29.15		1.4	14	140	9	150		
15	90	74	82	3.4				0	17	0531	1954		T			29.10		2.1	12	290	8	260		
16	89	76	82	3.4				0	17	0532	1953	RA FG BR	0.27			29.05		0.8	20	270	13	270		
17	89	73	81	2.4				0	16	0533	1953	RA	T			29.03		2.3	16	080	9	100		
18	90	70	80	1.4				0	15	0534	1952	FG BR	0.00			29.05		1.8	15	090	9	070		
19	92	66	79	0.4				0	14	0534	1952	BR	0.00			29.03		2.2	13	190	9	280		
20	90	69	80	1.4				0	15	0535	1951	RA BR	1.00			29.01		3.7	24	310	14	310		
21	87	65	76	-2.6				0	11	0536	1951	RA BR	0.66			28.90		3.7	30	330	15	360		
22	80	69	75	-3.6				0	10	0536	1950	RA FG BR	0.36			28.83		2.9	14	190	10	260		
23	86	68	77	-1.6				0	12	0537	1949	RA	0.04			28.89		1.3	12	050	8	320		
24	84	69	77	-1.6				0	12	0538	1949		0.00			29.00		1.2	11	080	8	090		
25	90	68	79	0.4				0	14	0539	1948	FG BR	0.00			29.02		1.1	16	320	10	310		
26	90	64	77	-1.6				0	12	0539	1947		0.00			29.05		1.5	12	190	8	270		
27	88	67	77	-1.6				0	12	0540	1946	FG BR	0.00			29.08		1.7	14	280	9	250		
28	86	62*	74	-4.6				0	9	0541	1945		0.00			29.13		0.9	11	080	7	360		
29	90	66	78	-0.6				0	13	0542	1945		0.00			29.11		1.2	13	080	9	080		
30	90	70	80	1.4				0	15	0542	1944		0.00			29.05		1.8	14	260	8	160		
31	85	70	77	-1.5				0	12	0543	1943	RA BR	0.04			29.03		2.7	17	210	9	160		
Monthly Averages Totals													5.26s			29.10	30.02							
Departure from Normal (1981-2010)													-0.01s											

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				20	0	0	0	10	8						
Date of 5-sec to 3-sec wind equipment change				Sea Level Pressure				Greatest...							
2007-03-22				Maximum		30.28		Date	09	Time		0856			
				Minimum		29.70			22			1541		24-Hr...	Snow Depth
												1.66s		Snowfall	
								Date							
								20-21							

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 53868**

Local Climatological Data Hourly Observations July 2018

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

Generated on 08/07/2018

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)											
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		78	25.6	76	24.4	75	23.9	90	0	000		29.09	0	-0.00	30.00	FM-15	0.00	30.06
01	0153	7	CLR:00	10.00		77	25.0	76	24.2	75	23.9	94	3	270		29.09			30.00	FM-15	0.00	30.06
01	0253	7	CLR:00	10.00		75	23.9	75	23.9	75	23.9	100	0	000		29.08			30.00	FM-15	0.00	30.05
01	0353	7	CLR:00	10.00		75	23.9	74	23.5	74	23.3	96	0	000		29.10	3	-0.01	30.01	FM-15	0.00	30.07
01	0453	7	CLR:00	10.00		73	22.8	73	22.8	73	22.8	100	0	000		29.10			30.03	FM-15	0.00	30.08
01	0553	7	CLR:00	8.00		73	22.8	73	22.8	73	22.8	100	0	000		29.12			30.03	FM-15	0.00	30.09
01	0653	7	FEW:02 80	10.00		75	23.9	74	23.5	74	23.3	96	3	090		29.13	3	-0.05	30.06	FM-15	0.00	30.11
01	0753	7	FEW:02 90	10.00		79	26.1	76	24.2	74	23.3	85	0	000		29.13			30.06	FM-15	0.00	30.11
01	0853	7	CLR:00	10.00		82	27.8	76	24.3	73	22.8	74	0	000		29.13			30.04	FM-15	0.00	30.10
01	0953	7	CLR:00	10.00		84	28.9	78	25.3	75	23.9	74	0	000		29.13	5	+0.01	30.04	FM-15	0.00	30.10
01	1053	7	FEW:02 29 BKN:07 60 OVC:08 80	10.00		86	30.0	77	25.3	74	23.3	67	3	VRB		29.13			30.04	FM-15	0.00	30.10
01	1153	7	SCT:04 33 BKN:07 43	10.00		87	30.6	78	25.4	74	23.3	65	0	000		29.10			30.02	FM-15	0.00	30.08
01	1253	7	FEW:02 39 BKN:07 50 BKN:07 75	10.00		87	30.6	76	24.7	72	22.2	61	6	150		29.10	8	+0.04	30.01	FM-15	0.00	30.07
01	1353	7	BKN:07 42 BKN:07 50 BKN:07 85	10.00		87	30.6	78	25.8	75	23.9	67	3	VRB		29.08			29.99	FM-15	0.00	30.05
01	1453	7	FEW:02 49	10.00		88	31.1	79	25.9	75	23.9	66	3	VRB		29.06			29.97	FM-15	0.00	30.03
01	1553	7	FEW:02 47 BKN:07 55 BKN:07 110	10.00		89	31.7	79	26.1	75	23.9	63	3	360		29.06	5	+0.04	29.97	FM-15	0.00	30.03
01	1618	7	FEW:02 29 BKN:07 35 BKN:07 50	1.75	RA:02 BR:1 RA RA	80	26.7	79	25.9	78	25.6	94	11	150	17	29.08				FM-16	0.01	30.05
01	1626	6	SCT:04 14 BKN:07 30 OVC:08 65	0.25	+RA:02 FG:2 FG RA RA	76	24.4	76	24.4	76	24.4	100	15	090	21	29.10				FM-16		30.07
01	1640	7	FEW:02 13 BKN:07 33 OVC:08 70	2.00	-RA:02 BR:1 RA RA	75	23.9	74	23.1	73	22.8	94	6	VRB	24	29.10				FM-16	0.71	30.07
01	1653	7	FEW:02 13 BKN:07 35 BKN:07 70	10.00		76	24.4	73	22.9	72	22.2	88	0	000		29.10			30.02	FM-15	0.71	30.07
01	1753	7	FEW:02 120	10.00		76	24.4	75	24.1	75	23.9	97	0	000		29.08			30.00	FM-15	0.00	30.05
01	1853	7	CLR:00	10.00		80	26.7	76	24.7	75	23.9	85	0	000		29.07	0	-0.01	29.99	FM-15	T	30.04
01	1953	7	CLR:00	10.00		78	25.6	77	25.2	77	25.0	97	0	000		29.08			30.00	FM-15	0.00	30.05
01	2053	7	CLR:00	10.00		76	24.4	76	24.4	76	24.4	100	0	000		29.09			30.01	FM-15	0.00	30.06
01	2153	7	CLR:00	10.00		75	23.9	75	23.9	75	23.9	100	0	000		29.10	3	-0.04	30.03	FM-15	0.00	30.08
01	2240	7	FEW:02 2	10.00		75	23.9	75	23.9	75	23.9	100	0	000		29.12				FM-16		30.09
01	2253	7	FEW:02 2	10.00		75	23.9	75	23.9	75	23.9	100	0	000		29.13			30.04	FM-15	0.00	30.10
01	2353	7	CLR:00	10.00		75	23.9	75	23.9	75	23.9	100	0	000		29.12			30.04	FM-15	0.00	30.09

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Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W
Station: **OAK RIDGE ASOS, TN US 53868**

Local Climatological Data
Hourly Remarks
July 2018

Generated on 08/07/2018

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

Date	Time (LST)	Remarks
01	0053	MET10807/01/18 00:53:02 METAR KOQT 010553Z 0000KT 10SM CLR 26/24 A3006 RMK AO2 SLP158 T02560239 10328 20256 50001
01	0153	MET09007/01/18 01:53:02 METAR KOQT 010653Z 27003KT 10SM CLR 25/24 A3006 RMK AO2 SLP159 T02500239
01	0253	MET09007/01/18 02:53:02 METAR KOQT 010753Z 0000KT 10SM CLR 24/24 A3005 RMK AO2 SLP158 T02390239
01	0353	MET09607/01/18 03:53:02 METAR KOQT 010853Z 0000KT 10SM CLR 24/23 A3007 RMK AO2 SLP161 T02390233 53003
01	0453	MET09007/01/18 04:53:02 METAR KOQT 010953Z 0000KT 10SM CLR 23/23 A3008 RMK AO2 SLP168 T02280228
01	0553	MET08907/01/18 05:53:02 METAR KOQT 011053Z 0000KT 8SM CLR 23/23 A3009 RMK AO2 SLP171 T02280228
01	0653	MET11107/01/18 06:53:02 METAR KOQT 011153Z 09003KT 10SM FEW080 24/23 A3011 RMK AO2 SLP178 T02390233 10256 20228 53016
01	0753	MET09307/01/18 07:53:02 METAR KOQT 011253Z 0000KT 10SM FEW090 26/23 A3011 RMK AO2 SLP178 T02610233
01	0853	MET09007/01/18 08:53:02 METAR KOQT 011353Z 0000KT 10SM CLR 28/23 A3010 RMK AO2 SLP173 T02780228
01	0953	MET09607/01/18 09:53:02 METAR KOQT 011453Z 0000KT 10SM CLR 29/24 A3010 RMK AO2 SLP174 T02890239 55004
01	1053	MET10707/01/18 10:53:02 METAR KOQT 011553Z VRB03KT 10SM FEW029 BKN060 OVC080 30/23 A3010 RMK AO2 SLP174 T03000233
01	1153	MET10007/01/18 11:53:02 METAR KOQT 011653Z 0000KT 10SM SCT033 BKN043 31/23 A3008 RMK AO2 SLP167 T03060233
01	1253	MET12507/01/18 12:53:02 METAR KOQT 011753Z 15005KT 10SM FEW039 BKN050 BKN075 31/22 A3007 RMK AO2 SLP162 T03060222 10317 20239 58012
01	1353	MET10707/01/18 13:53:02 METAR KOQT 011853Z VRB03KT 10SM BKN042 BKN050 BKN085 31/24 A3005 RMK AO2 SLP157 T03060239
01	1453	MET09307/01/18 14:53:02 METAR KOQT 011953Z VRB03KT 10SM FEW049 31/24 A3003 RMK AO2 SLP149 T03110239
01	1553	MET11307/01/18 15:53:02 METAR KOQT 012053Z 36003KT 10SM FEW047 BKN055 BKN110 32/24 A3003 RMK AO2 SLP150 T03170239 55012
01	1618	MET14007/01/18 16:18:02 SPECI KOQT 012118Z 15010G15KT 1 3/4SM RA BR FEW029 BKN035 BKN050 27/26 A3005 RMK AO2 RAB07 PRESRR P0001 T02670256 RTX FIBI
01	1626	MET13207/01/18 16:26:02 SPECI KOQT 012126Z 09013G18KT 1/4SM +RA FG SCT014 BKN030 OVC065 24/24 A3007 RMK AO2 RAB07 P0042 T02440244 RTX FIBI
01	1640	MET12507/01/18 16:40:02 SPECI KOQT 012140Z VRB05G21KT 2SM -RA BR FEW013 BKN033 OVC070 24/23 A3007 RMK AO2 RAB07 P0071 T02390228 RTX
01	1653	MET12607/01/18 16:53:02 METAR KOQT 012153Z 0000KT 10SM FEW013 BKN035 BKN070 24/22 A3007 RMK AO2 RAB07E44 SLP167 P0071 T02440222 RTX
01	1753	MET09307/01/18 17:53:02 METAR KOQT 012253Z 0000KT 10SM FEW120 24/24 A3005 RMK AO2 SLP160 T02440239
01	1853	MET12907/01/18 18:53:02 METAR KOQT 012353Z 0000KT 10SM CLR 27/24 A3004 RMK AO2 RAB06E27 SLP157 P0000 60071 T02670239 10322 20233 50004
01	1953	MET09007/01/18 19:53:01 METAR KOQT 020053Z 0000KT 10SM CLR 26/25 A3005 RMK AO2 SLP160 T02560250
01	2053	MET09007/01/18 20:53:01 METAR KOQT 020153Z 0000KT 10SM CLR 24/24 A3006 RMK AO2 SLP163 T02440244
01	2153	MET09607/01/18 21:53:02 METAR KOQT 020253Z 0000KT 10SM CLR 24/24 A3008 RMK AO2 SLP168 T02390239 53013
01	2240	MET08607/01/18 22:40:02 SPECI KOQT 020340Z 0000KT 10SM FEW002 24/24 A3009 RMK AO2 T02390239
01	2253	MET09307/01/18 22:53:01 METAR KOQT 020353Z 0000KT 10SM FEW002 24/24 A3010 RMK AO2 SLP173 T02390239
01	2353	MET10007/01/18 23:53:01 METAR KOQT 020453Z 0000KT 10SM CLR 24/24 A3009 RMK AO2 SLP172 T02390239 403220228

Local Climatological Data
Hourly Precipitation
July 2018

Generated on 08/07/2018

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																	0.71		T						01
02																			0.22s	0.09	0.03	0.02	T	T	02
03																									03
04																									04
05																									05
06	T														0.01	0.28s	0.23	0.27	0.18	0.20	0.03	T	T		06
07									T	T						0.55s	0.07								07
08																									08
09																									09
10																			T	T					10
11																T	T								11
12																									12
13																									13
14																									14
15																T									15
16															0.27	T	T								16
17															T	T	T								17
18																									18
19																									19
20																					T	0.32s	0.68		20
21	T	0.01	0.46	0.13	0.06	T	T												T		T				21
22							0.01	0.01		0.02	T	0.01	T			0.13s	T	T			T		0.18		22
23												T	T									0.04			23
24																									24
25																									25
26																									26
27																									27
28																									28
29																									29
30																									30
31													T	0.02		T	T	T	T		0.01	T	0.01		31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.33	0.55	0.69	0.70	0.71	0.88	0.94	0.99	1.00	1.00	1.00	1.00
Ending Date Time (yyyy-mm-dd hh:mi)	2018-07-07 15:47	2018-07-01 16:30	2018-07-01 16:34	2018-07-01 16:35	2018-07-01 16:35	2018-07-20 22:21	2018-07-20 22:34	2018-07-20 22:34	2018-07-20 22:34	2018-07-20 22:34	2018-07-20 22:34	2018-07-20 22:34

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