

Local Climatological Data Daily Summary August 2017

Generated on 11/11/2017

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	83	63	73	-5.5	74	65	68	0	8	0544	1942				29.15	30.08	0.8	7	250	6	170				
02	88	67	78	-0.5	74	66	70	0	13	0545	1941	FG BR			29.14	30.07	1.0	14	190	8	170				
03	89	65	77	-1.5	64	63	68	0	12	0546	1940	BR			29.14	30.06	1.5	13	190	8	190				
04	84	68	76	-2.5	80	66	69	0	11	0546	1939	RA FG BR			29.08	30.00	2.1	25	340	15	340				
05	82	58	70	-8.4	67	57	62	0	5	0547	1938				29.13	30.08	1.5	13	050	9	070				
06	88	58*	73	-5.4	74	63	66	0	8	0548	1937	RA BR			29.10	30.03	0.8	22	203	12	280				
07	82	71	76	-2.4	91	71	72	0	11	0549	1936	RA FG BR			29.00	29.94	2.0	15	200	9	200				
08	84	67	76	-2.3	72	64	68	0	11	0550	1935				29.10	30.04	1.9	15	080	9	350				
09	86	66	76	-2.3	67	63	68	0	11	0550	1934	RA BR			29.16	30.11	2.4	13	200	8	190				
10	82	71	76	-2.3	87	70	71	0	11	0551	1933	RA BR			29.18	30.12	0.3	16	190	8	190				
11	85	71	78	-0.2	83	70	72	0	13	0552	1932	RA BR			29.11	30.03	1.4	15	200	9	260				
12	84	71	78	-0.2	83	71	72	0	13	0553	1931	RA FG BR			29.02	29.93	0.7	22	330	13	340				
13	87	70	78	-0.1	77	69	72	0	13	0553	1930	BR			29.02	29.95	1.0	10	060	7	070				
14	86	72	79	1.0	80	71	73	0	14	0554	1928	RA BR			28.98	29.89	2.2	15	190	9	180				
15	89	74	82	4.0	73	70	73	0	17	0555	1927	RA BR			28.98	29.91	2.8	16	270	12	270				
16	88	71	80	2.1	76	71	73	0	15	0556	1926	RA			29.08	30.01	1.9	15	200	9	280				
17	91	74	82	4.2	75	72	75	0	17	0557	1925				29.07	29.98	2.8	17	270	10	250				
18	90	69	80	2.3	70	68	72	0	15	0557	1924	RA BR			29.00	29.93	3.3	17	280	10	270				
19	89	64	76	-1.6	70	65	69	0	11	0558	1922	BR			29.05	29.98	1.8	12	190	8	160				
20	92	68	80	2.5	72	67	71	0	15	0559	1921	FG BR			29.13	30.07	1.2	10	150	7	090				
21	92	69	80	2.6	73	69	72	0	15	0600	1920	FG BR			29.21	30.14	0.5	11	170	7	160				
22	93*	70	82	4.7	67	69	73	0	17	0601	1918				29.10	30.00	2.3	17	180	9	200				
23	88	70	79	1.9	60	63	69	0	14	0601	1917				29.00	29.92	2.5	13	320	9	310				
24	84	62	73	-4.0	57	55	62	0	8	0602	1916				29.03	29.98	2.2	15	360	10	070				
25	81	62	72	-4.8	62	56	62	0	7	0603	1914				29.14	30.10	2.5	16	060	10	090				
26	85	63	74	-2.6	64	59	64	0	9	0604	1913				29.18	30.13	1.9	12	010	8	080				
27	89	63	76	-0.5	67	63	67	0	11	0605	1912				29.12	30.05	1.4	11	160	8	160				
28	79	67	73	-3.3	74	63	66	0	8	0605	1910				29.09	30.02	1.0			5	099				
29	85	63	74	-2.1	68	61	66	0	9	0606	1909				29.05	29.98	1.1	13	090	9	080				
30	86	63	74	-1.9	79	65	68	0	9	0607	1908	RA			29.08	30.02	2.2	16	230	9	260				
31	75	69	72	-3.6	88	68	69	0	7	0608	1906	RA BR			29.07	29.99	1.3	9	070	6	050				
Monthly Averages Totals												8.16			29.08	30.02	1.8								
Departure from Normal (1981-2010)												5.40													

Degree Days				Number of days with...									
Monthly		Season-to-date		Temperature				Precipitation		Snow		Weather	
Total	Departure	Total	Departure	Max		Min							
Heating	Cooling	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog			
0	357	0	-34	5	0	0	0	11	7				

Date of 5-sec to 3-sec wind equipment change		Sea Level Pressure				Greatest...					
2007-03-22		Maximum		Date		Time		24-Hr...		Snow Depth	
		Minimum						Precip		Snowfall	
								Date			
		29.84		14		1753		2.41			
								12-12			

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
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 August 2017

Generated on 11/11/2017

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

Date	Time (LST)	Station Type	Sky Conditions	Visibility	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		67	19.4	64	17.7	62	16.7	84	0	000		29.14	8	+0.01	30.07	FM-15	0.00	30.12
01	0153	7	CLR:00	10.00		66	18.9	64	17.5	62	16.7	87	0	000		29.13			30.06	FM-15	0.00	30.11
01	0253	7	FEW:02 80	10.00		65	18.3	63	17.3	62	16.7	90	0	000		29.13			30.07	FM-15	0.00	30.11
01	0353	7	FEW:02 75	10.00		66	18.9	64	17.5	62	16.7	87	0	000		29.14	5	+0.00	30.07	FM-15	0.00	30.12
01	0453	7	CLR:00	10.00		65	18.3	63	17.0	61	16.1	87	0	000		29.15			30.08	FM-15	0.00	30.13
01	0553	7	CLR:00	10.00		64	17.8	62	16.8	61	16.1	90	0	000		29.16			30.10	FM-15	0.00	30.14
01	0653	7	CLR:00	10.00		67	19.4	64	17.7	62	16.7	84	0	000		29.17	1	-0.03	30.10	FM-15	0.00	30.15
01	0753	7	CLR:00	10.00		69	20.6	65	18.5	63	17.2	81	0	000		29.17			30.11	FM-15	0.00	30.15
01	0853	7	CLR:00	10.00		72	22.2	67	19.4	64	17.8	76	0	000		29.17			30.11	FM-15	0.00	30.15
01	0953	7	CLR:00	10.00		75	23.9	68	20.0	64	17.8	69	0	000		29.17	1	-0.01	30.11	FM-15	0.00	30.15
01	1053	7	CLR:00	10.00		78	25.6	70	20.9	65	18.3	64	3	270		29.18			30.12	FM-15	0.00	30.16
01	1153	7	CLR:00	10.00		79	26.1	69	20.7	64	17.8	60	5	250		29.17			30.11	FM-15	0.00	30.15
01	1253	7	CLR:00	10.00		81	27.2	69	20.7	63	17.2	54	3	VRB		29.16	8	+0.01	30.10	FM-15	0.00	30.14
01	1353	7	CLR:00	10.00		81	27.2	70	21.1	64	17.8	57	3	VRB		29.15			30.09	FM-15	0.00	30.13
01	1453	7	CLR:00	10.00		81	27.2	70	21.4	65	18.3	58	0	000		29.13			30.07	FM-15	0.00	30.11
01	1553	7	CLR:00	10.00		82	27.8	72	22.2	67	19.4	60	0	000		29.12	8	+0.05	30.05	FM-15	0.00	30.09
01	1653	7	CLR:00	10.00		83	28.3	71	21.4	64	17.8	53	0	000		29.12			30.05	FM-15	0.00	30.09
01	1753	7	CLR:00	10.00		82	27.8	71	21.9	66	18.9	58	3	140		29.12			30.05	FM-15	0.00	30.09
01	1853	7	CLR:00	10.00		81	27.2	72	22.0	67	19.4	62	0	000		29.12	5	+0.01	30.05	FM-15	0.00	30.09
01	1953	7	CLR:00	10.00		77	25.0	72	22.0	69	20.6	77	0	000		29.13			30.06	FM-15	0.00	30.11
01	2053	7	CLR:00	10.00		74	23.3	71	21.5	69	20.6	85	0	000		29.13			30.07	FM-15	0.00	30.11
01	2153	7	CLR:00	10.00		74	23.3	71	21.5	69	20.6	85	0	000		29.14	1	-0.03	30.08	FM-15	0.00	30.12
01	2253	7	CLR:00	10.00		72	22.2	70	21.1	69	20.6	91	0	000		29.14			30.08	FM-15	0.00	30.12
01	2353	7	CLR:00	10.00		72	22.2	69	20.8	68	20.0	87	0	000		29.15			30.08	FM-15	0.00	30.13

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 Remarks
August 2017

Generated on 11/11/2017

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

Date	Time (LST)	Remarks
01	0053	MET11208/01/17 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 19/17 A3012 RMK AO2 SLP183 T01940167 10278 20194 58002 RTX
01	0153	MET09008/01/17 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 19/17 A3011 RMK AO2 SLP181 T01890167
01	0253	MET09308/01/17 02:53:02 METAR KOQT 010753Z 00000KT 10SM FEW080 18/17 A3011 RMK AO2 SLP182 T01830167
01	0353	MET09908/01/17 03:53:02 METAR KOQT 010853Z 00000KT 10SM FEW075 19/17 A3012 RMK AO2 SLP182 T01890167 55000
01	0453	MET09008/01/17 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 18/16 A3013 RMK AO2 SLP186 T01830161
01	0553	MET09008/01/17 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 18/16 A3014 RMK AO2 SLP192 T01780161
01	0653	MET10808/01/17 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 19/17 A3015 RMK AO2 SLP194 T01940167 10194 20172 51009
01	0753	MET09008/01/17 07:53:02 METAR KOQT 011253Z 00000KT 10SM CLR 21/17 A3015 RMK AO2 SLP196 T02060172
01	0853	MET09008/01/17 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR 22/18 A3015 RMK AO2 SLP197 T02220178
01	0953	MET09608/01/17 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 24/18 A3015 RMK AO2 SLP197 T02390178 51002
01	1053	MET09008/01/17 10:53:02 METAR KOQT 011553Z 27003KT 10SM CLR 26/18 A3016 RMK AO2 SLP199 T02560183
01	1153	MET09008/01/17 11:53:02 METAR KOQT 011653Z 25004KT 10SM CLR 26/18 A3015 RMK AO2 SLP198 T02610178
01	1253	MET10808/01/17 12:53:02 METAR KOQT 011753Z VRB03KT 10SM CLR 27/17 A3014 RMK AO2 SLP194 T02720172 10278 20194 58004
01	1353	MET09408/01/17 13:53:02 METAR KOQT 011853Z VRB03KT 10SM CLR 27/18 A3013 RMK AO2 SLP188 T02720178 RTX
01	1453	MET09008/01/17 14:53:02 METAR KOQT 011953Z 00000KT 10SM CLR 27/18 A3011 RMK AO2 SLP183 T02720183
01	1553	MET09608/01/17 15:53:02 METAR KOQT 012053Z 00000KT 10SM CLR 28/19 A3009 RMK AO2 SLP177 T02780194 58016
01	1653	MET09008/01/17 16:53:02 METAR KOQT 012153Z 00000KT 10SM CLR 28/18 A3009 RMK AO2 SLP177 T02830178
01	1753	MET09008/01/17 17:53:02 METAR KOQT 012253Z 14003KT 10SM CLR 28/19 A3009 RMK AO2 SLP175 T02780189
01	1853	MET10808/01/17 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 27/19 A3009 RMK AO2 SLP176 T02720194 10283 20267 55002
01	1953	MET09008/01/17 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 25/21 A3011 RMK AO2 SLP181 T02500206
01	2053	MET09008/01/17 20:53:02 METAR KOQT 020153Z 00000KT 10SM CLR 23/21 A3011 RMK AO2 SLP183 T02330206
01	2153	MET09608/01/17 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 23/21 A3012 RMK AO2 SLP185 T02330206 51010
01	2253	MET09008/01/17 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 22/21 A3012 RMK AO2 SLP186 T02220206
01	2353	MET10008/01/17 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 22/20 A3013 RMK AO2 SLP187 T02220200 402830172

Local Climatological Data
Hourly Precipitation
August 2017

Generated on 11/11/2017

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																										02
03																										03
04														T	T			1.27	0.23	0.42	T					04
05																										05
06																										06
07	0.02		T	T	0.03	0.26	0.09				0.13s	0.11	0.11	0.15	0.01		0.07s	0.39	T		0.16	0.40	0.04	0.13	0.18	07
08																										08
09																										09
10					0.02	T	0.01	0.02	0.10	0.02	T	T	0.06	0.04	T	T									T	10
11	0.40	T	T	0.02							T	0.09	0.02												T	11
12					0.04	0.88	0.01						1.20s	0.28												12
13																										13
14					T	0.01	T	T	T							T					T	0.06	T	T	T	14
15																										15
16																										16
17																										17
18					T	0.04	T	T	T																	18
19																										19
20																										20
21																										21
22																										22
23					T	T																				23
24																										24
25																										25
26																										26
27																										27
28																										28
29																										29
30																										30
31				0.01	T	0.01	0.04	0.01			0.07						T	0.04	0.01	0.01	0.01	T		T	T	31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.54	0.93	1.24	1.39	1.48	1.48	1.48	1.48	1.49	1.68	1.89	1.92
Ending Date Time (yyyy-mm-dd hh:mi)	2017-08-12 12:56	2017-08-12 12:59	2017-08-12 13:02	2017-08-12 13:05	2017-08-12 13:08	2017-08-12 13:08	2017-08-12 13:08	2017-08-12 13:08	2017-08-04 17:43	2017-08-04 18:06	2017-08-04 18:36	2017-08-04 18:39

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
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing