

Local Climatological Data Daily Summary July 2022

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

Generated on 08/03/2022

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

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	94	71	83	5.2				0	18	0524	1958		0.00			29.13		1.2	12	010	7	300					
02	91	73	82	4.1				0	17	0524	1958	RA BR	0.09			29.07		1.3	20	260	9	250					
03	90	73	82	4.0				0	17	0525	1958	RA FG BR	0.48			29.13		0.9	22	290	14	300					
04	93	73	83	4.9				0	18	0525	1957	FG BR	0.00			29.15		0.6	14	260	7	270					
05	97*	73	85	6.8				0	20	0526	1957	RA	T			29.10		1.3	23	080	10	050					
06	95	72	84	5.7				0	19	0526	1957	RA BR	0.25			29.05		1.0	29	270	16	260					
07	88	73	81	2.7				0	16	0527	1957	RA FG BR	1.21			29.07		1.7	29	320	12	320					
08	94	72	83	4.6				0	18	0527	1957	RA FG BR	0.62			29.08		1.1	19	310	9	310					
09	85	72	79	0.6				0	14	0528	1956	RA BR	1.20			29.03		1.7	13	140	7	140					
10	83	72	78	-0.5				0	13	0528	1956		T			29.00		1.5	14	070	7	070					
11	89	70	80	1.5				0	15	0529	1956		0.00			29.00		0.9	9	140	6	130					
12	90	69	80	1.4				0	15	0530	1955	RA FG BR	0.91			29.01		2.6	37	320	18	340					
13	88	68	78	-0.6				0	13	0530	1955		0.00			29.05		1.1	11	330	7	330					
14	90	64*	77	-1.6				0	12	0531	1954	FG BR	0.00			29.13		0.6	12	280	7	080					
15	91	69	80	1.4				0	15	0531	1954		0.00			29.16		1.1	13	330	8	280					
16	92	69	81	2.4				0	16	0532	1953		0.00			29.11		1.0	11	310	7	130					
17	92	71	82	3.4				0	17	0533	1953		0.00			29.07		1.5	16	270	10	260					
18	89	72	81	2.4				0	16	0534	1952	RA FG BR	1.00			29.00		1.3	32	290	15	270					
19	88	72	80	1.4				0	15	0534	1952	RA	0.01			29.02		1.4	16	190	7	220					
20	91	73	82	3.4				0	17	0535	1951	RA FG BR	1.04			28.94		2.7	19	090	10	100					
21	86	69	78	-0.6				0	13	0536	1951	RA FG BR	0.72			28.95		1.7	20	360	13	090					
22	95	73	84	5.4				0	19	0536	1950	FG BR	0.00			29.07		0.5	13	290	8	280					
23	95	73	84	5.4				0	19	0537	1949		0.00			29.15		0.9	11	070	6	070					
24	91	71	81	2.4				0	16	0538	1949		0.00			29.15		1.3	12	120	7	140					
25	86	73	80	1.4				0	15	0539	1948	RA BR	0.19			29.11		1.0	14	290	9	280					
26	87	73	80	1.4				0	15	0539	1947	RA BR	0.27			29.11		1.4	24	200	8	160					
27	91	75	83	4.4				0	18	0540	1946	RA	0.09			29.08		1.6	26	190	9	210					
28	89	73	81	2.4				0	16	0541	1945	RA FG BR	2.50			29.06		1.4	25	270	15	280					
29	83	72	78	-0.6				0	13	0542	1945	RA BR	0.04			29.08		1.6	12	290	8	270					
30	86	70	78	-0.6				0	13	0542	1944	RA FG BR	T			29.18		1.0	11	090	7	090					
31	85	74	80	1.4				0	15	0543	1943	RA BR	0.47			29.18		1.4	21	300	10	320					
Monthly Averages Totals													11.09			29.08	30.00										
Departure from Normal (1981-2010)													5.82s														
Degree Days											Number of days with...																
Monthly					Season-to-date					Temperature					Precipitation		Snow		Weather								
Total		Departure			Total		Departure			Max		Min			>=0.01"		>=0.1"		>=1"		T-Storms	Heavy Fog					
Heating										>=90°		<=32°			<=32°		<=0°		17		13					4	
Cooling										17		0			0		0		17		13						
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...											
2007-03-22								Maximum				Date				Time				24-Hr...				Snow Depth			
								30.17				30				1051				Precip		Snowfall					
								29.76				20				1829				2.50							
Date																28-29											
Station Augmentation																											
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 July 2022

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

Generated on 08/03/2022

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		75	23.9	72	22.2	71	21.7	88	0	000		29.18	8	0.00	30.10	FM-15	0.00	30.16
01	0153	7	CLR:00	10.00		76	24.4	73	22.8	71	21.7	85	0	000		29.16			30.09	FM-15	0.00	30.14
01	0253	7	CLR:00	10.00		74	23.3	71	21.7	70	21.1	88	0	000		29.16			30.08	FM-15	0.00	30.14
01	0353	7	CLR:00	10.00		72	22.2	71	21.7	70	21.1	94	0	000		29.17	5	+0.01	30.09	FM-15	0.00	30.15
01	0453	7	CLR:00	10.00		71	21.7	70	21.1	69	20.6	94	0	000		29.18			30.10	FM-15	0.00	30.16
01	0553	7	CLR:00	10.00		71	21.7	70	21.1	69	20.6	94	0	000		29.18			30.11	FM-15	0.00	30.16
01	0653	7	CLR:00	10.00		73	22.8	70	21.1	69	20.6	87	0	000		29.19	1	-0.03	30.12	FM-15	0.00	30.17
01	0753	7	FEW:02 110	10.00		79	26.1	73	22.8	70	21.1	74	0	000		29.20			30.12	FM-15	0.00	30.18
01	0853	7	CLR:00	10.00		82	27.8	73	22.8	69	20.6	65	0	000		29.19			30.12	FM-15	0.00	30.17
01	0953	7	CLR:00	10.00		83	28.3	73	22.8	69	20.6	63	0	000		29.18	8	+0.01	30.11	FM-15	0.00	30.16
01	1053	7	BKN:07 32	10.00		85	29.4	74	23.3	69	20.6	59	0	000		29.17			30.09	FM-15	0.00	30.15
01	1153	7	CLR:00	10.00		88	31.1	74	23.3	68	20.0	52	0	000		29.14			30.06	FM-15	0.00	30.12
01	1253	7	SCT:04 47	10.00		89	31.7	75	23.9	68	20.0	50	0	000		29.13	8	+0.06	30.04	FM-15	0.00	30.10
01	1353	7	CLR:00	10.00		91	32.8	75	23.9	67	19.4	45	3	VRB		29.09			30.00	FM-15	0.00	30.06
01	1453	7	FEW:02 55	10.00		90	32.2	74	23.3	66	18.9	45	0	000		29.08			29.99	FM-15	0.00	30.05
01	1553	7	BKN:07 65	10.00		93	33.9	74	23.3	65	18.3	40	3	VRB		29.06	6	+0.06	29.98	FM-15	0.00	30.03
01	1653	7	CLR:00	10.00		92	33.3	74	23.3	65	18.3	41	6	VRB		29.06			29.97	FM-15	0.00	30.03
01	1753	7	BKN:07 70	10.00		89	31.7	75	23.9	69	20.6	52	0	000		29.05			29.97	FM-15	0.00	30.02
01	1853	7	CLR:00	10.00		86	30.0	75	23.9	70	21.1	59	5	100		29.06	5	0.00	29.98	FM-15	0.00	30.03
01	1953	7	CLR:00	10.00		83	28.3	71	21.7	65	18.3	55	5	VRB		29.07			29.98	FM-15	0.00	30.04
01	2053	7	FEW:02 60	10.00		82	27.8	73	22.8	69	20.6	65	0	000		29.08			29.99	FM-15	0.00	30.05
01	2153	7	FEW:02 55	10.00		80	26.7	72	22.2	68	20.0	67	0	000		29.10	3	-0.04	30.01	FM-15	0.00	30.07
01	2253	7	CLR:00	10.00		79	26.1	72	22.2	68	20.0	69	3	260		29.10			30.02	FM-15	0.00	30.08
01	2353	7	CLR:00	10.00		78	25.6	71	21.7	68	20.0	71	3	260		29.09			30.00	FM-15	0.00	30.06

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Local Climatological Data
Hourly Remarks
July 2022

Generated on 08/03/2022

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

Date	Time (LST)	Remarks
01	0053	MET11407/01/22 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 24/22 A3016 RMK AO2 SLP194 60000 T02390217 10317 20239 58001
01	0153	MET09007/01/22 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 24/22 A3014 RMK AO2 SLP189 T02440217
01	0253	MET09007/01/22 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 23/21 A3014 RMK AO2 SLP187 T02330211
01	0353	MET09607/01/22 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 22/21 A3015 RMK AO2 SLP189 T02220211 55004
01	0453	MET09007/01/22 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 22/21 A3016 RMK AO2 SLP193 T02170206
01	0553	MET09007/01/22 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 22/21 A3016 RMK AO2 SLP196 T02170206
01	0653	MET10807/01/22 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 23/21 A3017 RMK AO2 SLP199 T02280206 10244 20217 51009
01	0753	MET09707/01/22 07:53:02 METAR KOQT 011253Z 00000KT 10SM FEW110 26/21 A3018 RMK AO2 SLP201 T02610211 RTX
01	0853	MET09007/01/22 08:53:02 METAR KOQT 011353Z 00000KT 10SM CLR 28/21 A3017 RMK AO2 SLP199 T02780206
01	0953	MET09607/01/22 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 28/21 A3016 RMK AO2 SLP196 T02830206 58003
01	1053	MET09707/01/22 10:53:02 METAR KOQT 011553Z 00000KT 10SM BKN032 29/21 A3015 RMK AO2 SLP191 T02940206 RTX
01	1153	MET09007/01/22 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 31/20 A3012 RMK AO2 SLP181 T03110200
01	1253	MET11107/01/22 12:53:02 METAR KOQT 011753Z 00000KT 10SM SCT047 32/20 A3010 RMK AO2 SLP173 T03170200 10317 20228 58022
01	1353	MET09007/01/22 13:53:02 METAR KOQT 011853Z VRB03KT 10SM CLR 33/19 A3006 RMK AO2 SLP160 T03280194
01	1453	MET09307/01/22 14:53:02 METAR KOQT 011953Z 00000KT 10SM FEW055 32/19 A3005 RMK AO2 SLP155 T03220189
01	1553	MET09907/01/22 15:53:02 METAR KOQT 012053Z VRB03KT 10SM BKN065 34/18 A3003 RMK AO2 SLP151 T03390183 56021
01	1653	MET09007/01/22 16:53:02 METAR KOQT 012153Z VRB05KT 10SM CLR 33/18 A3003 RMK AO2 SLP148 T03330183
01	1753	MET09307/01/22 17:53:02 METAR KOQT 012253Z 00000KT 10SM BKN070 32/21 A3002 RMK AO2 SLP148 T03170206
01	1853	MET10807/01/22 18:53:02 METAR KOQT 012353Z 10004KT 10SM CLR 30/21 A3003 RMK AO2 SLP151 T03000211 10344 20300 55001
01	1953	MET09007/01/22 19:53:01 METAR KOQT 020053Z VRB04KT 10SM CLR 28/18 A3004 RMK AO2 SLP154 T02830183
01	2053	MET09307/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM FEW060 28/21 A3005 RMK AO2 SLP157 T02780206
01	2153	MET09907/01/22 21:53:01 METAR KOQT 020253Z 00000KT 10SM FEW055 27/20 A3007 RMK AO2 SLP163 T02670200 53013
01	2253	MET09007/01/22 22:53:02 METAR KOQT 020353Z 26003KT 10SM CLR 26/20 A3008 RMK AO2 SLP165 T02610200
01	2353	MET10007/01/22 23:53:02 METAR KOQT 020453Z 26003KT 10SM CLR 26/20 A3006 RMK AO2 SLP160 T02560200 403440217

Local Climatological Data Hourly Precipitation July 2022

Generated on 08/03/2022

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														0.09						T	T				02
03														T	0.45	T	T	T	0.03						03
04																									04
05																			T	T					05
06														0.07	0.02	T		0.07	0.06	0.03	T				06
07					0.02	0.01	0.54	0.10	0.06	0.02	T							T	0.44	0.02					07
08																	0.12	0.50	T	T					08
09					0.08	1.11	T				0.01											T	T		09
10							T	T																	10
11																									11
12																				0.87	0.04	T			12
13				T																					13
14																									14
15																									15
16																									16
17																									17
18														0.44	0.51	0.05									18
19		0.01		T																	T				19
20							0.57	0.01									0.05				0.39	0.02			20
21				0.51	0.05	0.12	0.04																		21
22																									22
23																									23
24																									24
25									T					0.01	T			T		0.14	0.02		T	0.02	25
26	0.01													0.01	0.20	0.05									26
27														T	0.09	T									27
28													0.55	0.96	0.36	0.43	0.01				0.01	0.14	0.04		28
29				T	T						T		0.03					0.01	T	T					29
30																		T		T		T	T		30
31	T										0.01	T			0.02	0.01		0.08	0.09	T	0.10	0.11	0.04	0.01	31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.36	0.53	0.74	0.87	1.00	1.00	1.11	1.31	1.33	1.33	1.75	1.76
Ending Date Time (yyyy-mm-dd hh:mi)	2022-07-12 19:16	2022-07-12 19:21	2022-07-28 13:51	2022-07-28 13:54	2022-07-28 14:03	2022-07-28 14:03	2022-07-09 05:59	2022-07-28 14:52	2022-07-28 15:04	2022-07-28 15:04	2022-07-28 15:56	2022-07-28 16:05

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