

Local Climatological Data Daily Summary June 2022

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

Generated on 07/05/2022

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

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	67	79	7.9				0	14	0522	1948	BR HZ	0.00			29.07		0.9	11	190	6	260				
02	88	70	79	7.6				0	14	0521	1949	RA FG BR	0.60			28.93		1.2	29	310	17	280				
03	82	67	75	3.3				0	10	0521	1949		0.00			28.95		1.2	17	110	10	080				
04	83	61	72	0.0				0	7	0521	1950		0.00			28.97		1.9	18	090	10	080				
05	84	61	73	0.7				0	8	0520	1951		0.00			28.93		1.4	13	140	7	140				
06	86	63	75	2.4				0	10	0520	1951	RA BR	0.18			28.98		1.0	30	260	15	270				
07	82	68	75	2.1				0	10	0520	1952	RA BR	0.90			28.98		0.9	13	150	9	330				
08	83	70	77	3.8				0	12	0520	1952	RA BR	0.30			28.96		1.6	17	190	8	220				
09	84	62	73	-0.4				0	8	0520	1953		0.00			28.98		1.4	19	300	10	290				
10	83	56	70	-3.7				0	5	0520	1953		0.00			29.01		1.0	12	060	7	070				
11	84	60	72	-2.0				0	7	0520	1954		0.00			28.95		0.6	12	260	8	270				
12	89	63	76	1.7				0	11	0520	1954		0.00			28.97		0.5	17	220	9	260				
13	95	73	84	9.5				0	19	0520	1954		0.00			29.05		1.3	16	220	8	250				
14	96	77	87	12.2				0	22	0520	1955		0.00			29.08		1.3	18	260	9	260				
15	96	76	86	11.0				0	21	0520	1955	FG BR	0.00			29.11		0.9	13	070	8	090				
16	97	78	88	12.7				0	23	0520	1956		0.00			29.15		1.3	15	210	8	270				
17	93	72	83	7.5				0	18	0520	1956		T			29.10		1.7	25	290	14	320				
18	88	67	78	2.3				0	13	0520	1956	FG BR	0.00			29.05		1.8	20	360	9	080				
19	85	56	71	-4.9				0	6	0520	1956		0.00			29.21		2.5	17	070	10	090				
20	90	56*	73	-3.1				0	8	0520	1957	HZ	0.00			29.26		0.8	12	150	7	130				
21	93	61	77	0.7				0	12	0520	1957		0.00			29.24		0.6	13	080	7	130				
22	99*	66	83	6.5				0	18	0521	1957		0.00			29.11		1.5	17	320	9	290				
23	95	71	83	6.3				0	18	0521	1957		0.00			28.97		1.2	17	310	9	330				
24	94	67	81	4.1				0	16	0521	1957		0.00			29.02		1.9	14	080	8	290				
25	90	74	82	5.0				0	17	0521	1958		0.00			29.11		1.2	21	180	9	210				
26	89	73	81	3.8				0	16	0522	1958	RA BR	0.36			29.15		1.3	15	260	9	260				
27	88	67	78	0.6				0	13	0522	1958	RA BR	T			29.16		1.5	16	360	9	070				
28	87	63	75	-2.5				0	10	0522	1958		0.00			29.20		1.9	17	080	8	080				
29	91	68	80	2.4				0	15	0523	1958	RA BR	0.11			29.23		1.2	13	140	7	100				
30	93	73	83	5.3				0	18	0523	1958	RA	T			29.21		1.2	15	190	8	140				
Monthly Averages Totals													2.45			29.07	30.00									
Departure from Normal (1981-2010)													-1.83													
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°		6		6				3		
Cooling										14		0s		0		0										
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure					Greatest...													
2007-03-22								Maximum		30.27			Date		20		Time		0922		24-Hr...			Snow Depth		
								Minimum		29.79			02		1346		0.98		Snowfall							
								Date															06-07			
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 June 2022

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

Generated on 07/05/2022

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	0042	7	CLR:00	2.00V	BR:1	71	21.7	68	20.0	67	19.4	87	0	000	29.10				FM-16		30.07	
01	0051	6	CLR:00	4.00	BR:1	72	22.2	68	20.0	66	18.9	83	0	000	29.10				FM-16		30.07	
01	0053	7	CLR:00	5.00	BR:1	71	21.7	68	20.0	67	19.4	87	0	000	29.10	8	+0.03	30.02	FM-15	0.00	30.07	
01	0137	7	CLR:00	2.00	BR:1	70	21.1	68	20.0	67	19.4	90	0	000	29.09				FM-16		30.06	
01	0150	7	CLR:00	3.00	BR:1	70	21.1	67	19.4	66	18.9	88	0	000	29.09				FM-16		30.06	
01	0153	7	CLR:00	3.00	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.09			30.00	FM-15	0.00	30.06	
01	0228	7	CLR:00	1.50	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.09				FM-16		30.06	
01	0253	7	CLR:00	1.50	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.09			30.01	FM-15	0.00	30.06	
01	0322	7	CLR:00	0.75	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.09				FM-16		30.06	
01	0342	7	CLR:00	1.50	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.10				FM-16		30.07	
01	0346	7	CLR:00	3.00	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.10				FM-16		30.07	
01	0353	7	CLR:00	3.00	BR:1	68	20.0	66	18.9	65	18.3	90	0	000	29.10	3	-0.01	30.02	FM-15	0.00	30.07	
01	0400	7	CLR:00	2.00V	BR:1	68	20.0	66	18.9	65	18.3	90	0	000	29.10				FM-16		30.07	
01	0412	7	CLR:00	5.00	BR:1	67	19.4	66	18.9	65	18.3	93	0	000	29.10				FM-16		30.07	
01	0451	6	CLR:00	2.50V	BR:1	66	18.9	65	18.3	64	17.8	94	0	000	29.10				FM-16		30.08	
01	0453	7	CLR:00	2.50	BR:1	67	19.4	66	18.9	65	18.3	93	0	000	29.10			30.03	FM-15	0.00	30.08	
01	0501	7	CLR:00	1.75	BR:1	67	19.4	66	18.9	65	18.3	93	0	000	29.12				FM-16		30.09	
01	0508	7	CLR:00	3.00	BR:1	67	19.4	66	18.9	65	18.3	93	0	000	29.12				FM-16		30.09	
01	0553	7	BKN:07 48	3.00	BR:1	67	19.4	66	18.9	65	18.3	93	0	000	29.13			30.06	FM-15	0.00	30.11	
01	0601	7	FEW:02 2 BKN:07 49	5.00	BR:1	68	20.0	66	18.9	65	18.3	90	0	000	29.13				FM-16		30.11	
01	0639	7	FEW:02 50 BKN:07 110	1.75	BR:1	68	20.0	67	19.4	66	18.9	93	0	000	29.15				FM-16		30.13	
01	0653	7	FEW:02 50 SCT:04 110	1.00V	BR:1	69	20.6	67	19.4	66	18.9	90	0	000	29.15	3	-0.06	30.08	FM-15	0.00	30.13	
01	0703	7	FEW:02 110	0.75	BR:1	70	21.1	67	19.4	66	18.9	87	0	000	29.15				FM-16		30.13	
01	0710	7	FEW:02 110	2.00V	BR:1	71	21.7	68	20.0	67	19.4	87	0	000	29.15				FM-16		30.13	
01	0717	7	SCT:04 110	5.00	BR:1	71	21.7	68	20.0	67	19.4	87	0	000	29.15				FM-16		30.13	
01	0753	7	CLR:00	2.00V	HZ:7 FU HZ	74	23.3	70	21.1	68	20.0	82	0	000	29.15			30.08	FM-15	0.00	30.13	
01	0832	7	CLR:00	4.00	HZ:7 FU HZ	77	25.0	72	22.2	69	20.6	77	0	000	29.14				FM-16		30.12	
01	0837	7	CLR:00	1.75	HZ:7 FU HZ	77	25.0	72	22.2	69	20.6	77	0	000	29.14				FM-16		30.12	
01	0853	7	CLR:00	2.00	HZ:7 FU HZ	79	26.1	72	22.2	69	20.6	72	0	000	29.14			30.07	FM-15	0.00	30.12	
01	0901	7	CLR:00	3.00	HZ:7 FU HZ	80	26.7	72	22.2	68	20.0	67	3	VRB	29.13				FM-16		30.11	
01	0903	7	CLR:00	1.50V	HZ:7 FU HZ	80	26.7	72	22.2	68	20.0	67	3	300	29.13				FM-16		30.11	
01	0914	7	CLR:00	3.00	HZ:7 FU HZ	80	26.7	71	21.7	67	19.4	64	0	000	29.13				FM-16		30.11	
01	0953	7	CLR:00	10.00		82	27.8	72	22.2	67	19.4	60	0	000	29.13	8	+0.03	30.05	FM-15	0.00	30.10	
01	1053	7	FEW:02 40	10.00		84	28.9	73	22.8	67	19.4	57	3	320	29.10			30.03	FM-15	0.00	30.08	
01	1153	7	FEW:02 42	10.00		87	30.6	73	22.8	67	19.4	51	5	VRB	29.09			30.01	FM-15	0.00	30.06	
01	1253	7	FEW:02 55	10.00		88	31.1	73	22.8	66	18.9	48	5	VRB	29.07	8	+0.06	29.98	FM-15	0.00	30.04	
01	1353	7	BKN:07 50 BKN:07 80	10.00		88	31.1	73	22.8	65	18.3	46	0	000	29.05			29.96	FM-15	0.00	30.02	
01	1453	7	BKN:07 60	10.00		87	30.6	71	21.7	63	17.2	45	0	000	29.03			29.95	FM-15	0.00	30.00	
01	1553	7	CLR:00	10.00		89	31.7	72	22.2	64	17.8	43	3	VRB	29.00	8	+0.06	29.92	FM-15	0.00	29.97	
01	1653	7	FEW:02 110	10.00		89	31.7	72	22.2	64	17.8	43	0	000	28.99			29.91	FM-15	0.00	29.96	
01	1753	7	CLR:00	10.00		90	32.2	73	22.8	64	17.8	42	0	000	28.98			29.90	FM-15	0.00	29.95	
01	1853	7	CLR:00	10.00		87	30.6	72	22.2	65	18.3	48	5	260	28.98	6	+0.03	29.90	FM-15	0.00	29.95	
01	1953	7	CLR:00	10.00		84	28.9	73	22.8	67	19.4	57	0	000	28.97			29.89	FM-15	0.00	29.94	
01	2053	7	CLR:00	10.00		80	26.7	72	22.2	68	20.0	67	0	000	28.96			29.88	FM-15	0.00	29.93	

01	2153	7	CLR:00	10.00		77	25.0	71	21.7	68	20.0	74	0	000		28.97	5	+0.01	29.88	FM-15	0.00	29.94
01	2253	7	CLR:00	10.00		75	23.9	70	21.1	68	20.0	79	0	000		28.98			29.90	FM-15	0.00	29.95
01	2353	7	CLR:00	10.00		74	23.3	69	20.6	67	19.4	79	0	000		28.99			29.91	FM-15	0.00	29.96

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Local Climatological Data
Hourly Remarks
June 2022

Generated on 07/05/2022

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

Date	Time (LST)	Remarks
01	0042	MET09306/01/22 00:42:02 SPECI KOQT 010542Z 00000KT 2SM BR CLR 22/19 A3007 RMK AO2 VIS 1V4 T02170194
01	0051	MET08006/01/22 00:51:02 SPECI KOQT 010551Z 00000KT 4SM BR CLR 22/19 A3007 RMK AO2 FIBI
01	0053	MET11006/01/22 00:53:02 METAR KOQT 010553Z 00000KT 5SM BR CLR 22/19 A3007 RMK AO2 SLP165 T02170194 10306 20217 58011
01	0137	MET08506/01/22 01:37:02 SPECI KOQT 010637Z 00000KT 2SM BR CLR 21/19 A3006 RMK AO2 T02110194
01	0150	MET07506/01/22 01:50:02 SPECI KOQT 010650Z 00000KT 3SM BR CLR 21/19 A3006 RMK AO2
01	0153	MET09206/01/22 01:53:02 METAR KOQT 010653Z 00000KT 3SM BR CLR 21/19 A3006 RMK AO2 SLP160 T02060189
01	0228	MET08906/01/22 02:28:02 SPECI KOQT 010728Z 00000KT 1 1/2SM BR CLR 21/19 A3006 RMK AO2 T02060189
01	0253	MET09606/01/22 02:53:02 METAR KOQT 010753Z 00000KT 1 1/2SM BR CLR 21/19 A3006 RMK AO2 SLP161 T02060189
01	0322	MET08706/01/22 03:22:02 SPECI KOQT 010822Z 00000KT 3/4SM BR CLR 21/19 A3006 RMK AO2 T02060189
01	0342	MET08906/01/22 03:42:02 SPECI KOQT 010842Z 00000KT 1 1/2SM BR CLR 21/19 A3007 RMK AO2 T02060189
01	0346	MET08506/01/22 03:46:02 SPECI KOQT 010846Z 00000KT 3SM BR CLR 21/19 A3007 RMK AO2 T02060189
01	0353	MET09806/01/22 03:53:02 METAR KOQT 010853Z 00000KT 3SM BR CLR 20/18 A3007 RMK AO2 SLP167 T02000183 53005
01	0400	MET10106/01/22 04:00:02 SPECI KOQT 010900Z 00000KT 2SM BR CLR 20/18 A3007 RMK AO2 VIS 1 1/2V3 T02000183 RTX
01	0412	MET08506/01/22 04:12:02 SPECI KOQT 010912Z 00000KT 5SM BR CLR 19/18 A3007 RMK AO2 T01940183
01	0451	MET09206/01/22 04:51:02 SPECI KOQT 010951Z 00000KT 2 1/2SM BR CLR 19/18 A3008 RMK AO2 VIS 2V4 FIBI
01	0453	MET09606/01/22 04:53:02 METAR KOQT 010953Z 00000KT 2 1/2SM BR CLR 19/18 A3008 RMK AO2 SLP171 T01940183
01	0501	MET08906/01/22 05:01:02 SPECI KOQT 011001Z 00000KT 1 3/4SM BR CLR 19/18 A3009 RMK AO2 T01940183
01	0508	MET08506/01/22 05:08:02 SPECI KOQT 011008Z 00000KT 3SM BR CLR 19/18 A3009 RMK AO2 T01940183
01	0553	MET09506/01/22 05:53:02 METAR KOQT 011053Z 00000KT 3SM BR BKN048 19/18 A3011 RMK AO2 SLP181 T01940183
01	0601	MET09506/01/22 06:01:02 SPECI KOQT 011101Z 00000KT 5SM BR FEW002 BKN049 20/18 A3011 RMK AO2 T02000183
01	0639	MET09906/01/22 06:39:02 SPECI KOQT 011139Z 00000KT 1 3/4SM BR FEW050 BKN110 20/19 A3013 RMK AO2 T02000189
01	0653	MET13006/01/22 06:53:02 METAR KOQT 011153Z 00000KT 1SM BR FEW050 SCT110 21/19 A3013 RMK AO2 VIS 3/4V2 SLP186 T02060189 10217 20194 53019
01	0703	MET09006/01/22 07:03:02 SPECI KOQT 011203Z 00000KT 3/4SM BR FEW110 21/19 A3013 RMK AO2 T02110189
01	0710	MET09806/01/22 07:10:02 SPECI KOQT 011210Z 00000KT 2SM BR FEW110 22/19 A3013 RMK AO2 VIS 1/2V5 T02170194
01	0717	MET08806/01/22 07:17:02 SPECI KOQT 011217Z 00000KT 5SM BR SCT110 22/19 A3013 RMK AO2 T02170194
01	0753	MET10206/01/22 07:53:02 METAR KOQT 011253Z 00000KT 2SM HZ CLR 23/20 A3013 RMK AO2 VIS 3/4V5 SLP186 T02330200
01	0832	MET08506/01/22 08:32:02 SPECI KOQT 011332Z 00000KT 4SM HZ CLR 25/21 A3012 RMK AO2 T02500206
01	0837	MET08906/01/22 08:37:02 SPECI KOQT 011337Z 00000KT 1 3/4SM HZ CLR 25/21 A3012 RMK AO2 T02500206
01	0853	MET09206/01/22 08:53:02 METAR KOQT 011353Z 00000KT 2SM HZ CLR 26/21 A3012 RMK AO2 SLP182 T02610206
01	0901	MET08506/01/22 09:01:02 SPECI KOQT 011401Z VRB03KT 3SM HZ CLR 27/20 A3011 RMK AO2 T02670200
01	0903	MET09906/01/22 09:03:02 SPECI KOQT 011403Z 30003KT 1 1/2SM HZ CLR 27/20 A3011 RMK AO2 VIS 1/2V5 T02670200
01	0914	MET08506/01/22 09:14:02 SPECI KOQT 011414Z 00000KT 3SM HZ CLR 27/19 A3011 RMK AO2 T02670194
01	0953	MET09606/01/22 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 28/19 A3010 RMK AO2 SLP175 T02780194 58010
01	1053	MET09306/01/22 10:53:02 METAR KOQT 011553Z 32003KT 10SM FEW040 29/19 A3008 RMK AO2 SLP169 T02890194
01	1153	MET09306/01/22 11:53:02 METAR KOQT 011653Z VRB04KT 10SM FEW042 31/19 A3006 RMK AO2 SLP161 T03060194
01	1253	MET11106/01/22 12:53:02 METAR KOQT 011753Z VRB04KT 10SM FEW055 31/19 A3004 RMK AO2 SLP154 T03110189 10317 20206 58019
01	1353	MET10006/01/22 13:53:02 METAR KOQT 011853Z 00000KT 10SM BKN050 BKN080 31/18 A3002 RMK AO2 SLP147 T03110183
01	1453	MET09306/01/22 14:53:02 METAR KOQT 011953Z 00000KT 10SM BKN060 31/17 A3000 RMK AO2 SLP142 T03060172
01	1553	MET09606/01/22 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 32/18 A2997 RMK AO2 SLP132 T03170178 58022
01	1653	MET09306/01/22 16:53:02 METAR KOQT 012153Z 00000KT 10SM FEW110 32/18 A2996 RMK AO2 SLP128 T03170178
01	1753	MET09006/01/22 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 32/18 A2995 RMK AO2 SLP124 T03220178
01	1853	MET10806/01/22 18:53:02 METAR KOQT 012353Z 26004KT 10SM CLR 31/18 A2995 RMK AO2 SLP124 T03060183 10322 20300 56009
01	1953	MET09006/01/22 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 29/19 A2994 RMK AO2 SLP122 T02890194
01	2053	MET09006/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 27/20 A2993 RMK AO2 SLP118 T02670200
01	2153	MET09606/01/22 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 25/20 A2994 RMK AO2 SLP120 T02500200 55002
01	2253	MET09006/01/22 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 24/20 A2995 RMK AO2 SLP124 T02390200
01	2353	MET10006/01/22 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 23/19 A2996 RMK AO2 SLP128 T02330194 403220194

Local Climatological Data
Hourly Precipitation
June 2022

Generated on 07/05/2022

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														0.01	0.58	T						0.01			02
03																									03
04																									04
05																									05
06																		T	0.17	0.01					06
07		T		0.01	0.11	0.13	0.05	0.17	0.25	0.08	T										0.10	T			07
08									T	0.17	0.01											0.12			08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16																									16
17													T												17
18																									18
19																									19
20																									20
21																									21
22																									22
23																									23
24																									24
25																			T	0.08	0.23	0.05	T		25
26																									26
27			T	T																					27
28																									28
29								0.11																	29
30																				T	T				30
Maximum Short Duration Precipitation																									
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180													
Precipitation (inches)	0.23	0.31	0.43	0.50	0.57	0.59	0.59	0.59	0.59	0.59	0.59	0.59													
Ending Date Time (yyyy-mm-dd hh:mi)	2022-06-02 14:17	2022-06-02 14:21	2022-06-02 14:17	2022-06-02 14:20	2022-06-02 14:28	2022-06-02 14:33	2022-06-02 14:33	2022-06-02 14:33	2022-06-02 14:33	2022-06-02 14:33	2022-06-02 14:33	2022-06-02 14:33													

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