

Local Climatological Data Daily Summary June 2021

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

Generated on 07/12/2021

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		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	81	57	69	-2.1				0	4	0522	1948				29.25		1.0	14	240	9	270				
02	74	64	69	-2.4				0	4	0521	1949	RA		29.13		1.7	15	200	8	240					
03	76	65	71	-0.7				0	6	0521	1949	RA FG BR		29.04		1.0	21	200	9	200					
04	83	63	73	1.0				0	8	0521	1950	BR		29.10		0.5	14	080	8	090					
05	89	61	75	2.7				0	10	0520	1951	FG BR		29.11		1.0	12	140	7	280					
06	82	70	76	3.4				0	11	0520	1951	RA		29.12		0.7	11	140	7	150					
07	82	71	77	4.1				0	12	0520	1952	RA BR		29.11		0.1	11	280	6	290					
08	86	70	78	4.8				0	13	0520	1952	RA BR		29.16		1.7	24	240	13	270					
09	80	69	75	1.6				0	10	0520	1953	RA BR		29.13		0.8	12	280	7	280					
10	80	71	76	2.3				0	11	0520	1953	RA BR		29.02		2.8	16	210	8	210					
11	80	71	76	2.0				0	11	0520	1954	RA FG BR		28.92		1.2	17	190	8	200					
12	90	68	79	4.7				0	14	0520	1954	RA FG BR		28.89		0.9	13	060	8	070					
13	90	65	78	3.5				0	13	0520	1954		T	28.95		0.4	10	280	7	290					
14	94*	71	83	8.2				0	18	0520	1955			28.95		1.9	15	340	8	310					
15	84	64	74	-1.0				0	9	0520	1955			29.00		2.1	15	350	8	340					
16	85	59	72	-3.3				0	7	0520	1956			29.06		1.1	13	330	8	290					
17	85	58	72	-3.5				0	7	0520	1956			29.10		0.8	12	110	7	080					
18	89	61	75	-0.7				0	10	0520	1956			29.11		1.2	17	230	9	140					
19	86	65	76	0.1				0	11	0520	1956			29.04		2.3	18	220	8	200					
20	90	68	79	2.9				0	14	0520	1957			28.90		1.0	13	100	9	090					
21	92	68	80	3.7				0	15	0520	1957	RA FG BR		28.90		2.2	49	290	23	280					
22	81	60	71	-5.5				0	6	0521	1957	RA BR		28.97			15	300	9	280					
23	83	56*	70	-6.7				0	5	0521	1957			29.16			15	050	8	070					
24	87	61	74	-2.9				0	9	0521	1957			29.21		1.9	13	210	7	260					
25	86	66	76	-1.0				0	11	0521	1958			29.21		1.9	15	220	9	270					
26	88	66	77	-0.2				0	12	0522	1958			29.18		1.5	13	270	8	270					
27	90	69	80	2.6				0	15	0522	1958			29.18		1.5	17	190	10	140					
28	93	70	82	4.5				0	17	0522	1958			29.24		1.2	15	170	8	280					
29	91	70	81	3.4				0	16	0523	1958	RA BR		29.25		1.6	24	130	13	150					
30	91	70	81	3.3				0	16	0523	1958			29.21		1.9	17	270	10	270					
Monthly Averages Totals												T			29.08	30.02	1.3								
Departure from Normal (1981-2010)												-4.28													
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		0		-2		3385		>=90°		<=32°		<=32°		<=0°		0s		0s							
Cooling		317		12		454		9		0		0		0											
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...									
2007-03-22								Maximum				Date				Time				24-Hr...		Snow Depth			
								30.27				01				0729				Precip				Snowfall	
								29.72				21				1406				T					
Station Augmentation												Date													
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

Local Climatological Data Hourly Observations June 2021

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

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

Generated on 07/12/2021

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

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		59	15.0	57	13.9	55	12.8	87	0	000		29.26	6	+0.01	30.22	FM-15	0.00	30.24
01	0153	7	CLR:00	10.00		58	14.4	56	13.3	54	12.2	87	0	000		29.27			30.22	FM-15	0.00	30.25
01	0253	7	BKN:07 55	10.00		58	14.4	56	13.3	54	12.2	87	0	000		29.28			30.23	FM-15	0.00	30.26
01	0353	7	OVC:08 60	10.00		58	14.4	56	13.3	54	12.2	87	0	000		29.28	2	-0.02	30.23	FM-15	0.00	30.26
01	0453	7	OVC:08 60	10.00		59	15.0	57	13.9	55	12.8	87	0	000		29.29			30.24	FM-15	0.00	30.27
01	0553	7	OVC:08 65	10.00		59	15.0	57	13.9	55	12.8	87	0	000		29.31			30.26	FM-15	0.00	30.29
01	0653	7	BKN:07 65	10.00		61	16.1	58	14.4	56	13.3	84	0	000		29.31	1	-0.03	30.27	FM-15	0.00	30.29
01	0753	7	BKN:07 65	10.00		68	20.0	61	16.1	56	13.3	65	0	000		29.31			30.26	FM-15	0.00	30.29
01	0853	7	CLR:00	10.00		71	21.7	62	16.7	55	12.8	57	5	VRB		29.31			30.26	FM-15	0.00	30.29
01	0953	7	CLR:00	10.00		71	21.7	62	16.7	56	13.3	59	0	000		29.30	8	+0.01	30.25	FM-15	0.00	30.28
01	1053	7	CLR:00	10.00		74	23.3	63	17.2	56	13.3	54	3	VRB		29.30			30.25	FM-15	0.00	30.28
01	1153	7	CLR:00	10.00		76	24.4	63	17.2	55	12.8	48	5	VRB		29.27			30.22	FM-15	0.00	30.25
01	1253	7	BKN:07 48 BKN:07 60	10.00		76	24.4	63	17.2	55	12.8	48	3	160		29.26	8	+0.04	30.21	FM-15	0.00	30.24
01	1353	7	BKN:07 50 BKN:07 70	10.00		78	25.6	65	18.3	56	13.3	47	3	VRB		29.24			30.19	FM-15	0.00	30.22
01	1453	7	FEW:02 55 SCT:04 75	10.00		79	26.1	64	17.8	55	12.8	44	0	000		29.22			30.17	FM-15	0.00	30.20
01	1553	7	SCT:04 50 BKN:07 75	10.00		80	26.7	65	18.3	56	13.3	44	0	000		29.21	6	+0.05	30.16	FM-15	0.00	30.19
01	1653	7	CLR:00	10.00		79	26.1	64	17.8	54	12.2	42	5	270		29.20			30.15	FM-15	0.00	30.18
01	1753	7	CLR:00	10.00		78	25.6	64	17.8	55	12.8	45	0	000		29.18			30.13	FM-15	0.00	30.16
01	1853	7	CLR:00	10.00		76	24.4	64	17.8	57	13.9	52	0	000		29.17	6	+0.03	30.12	FM-15	0.00	30.15
01	1953	7	CLR:00	10.00		73	22.8	65	18.3	60	15.6	64	0	000		29.18			30.13	FM-15	0.00	30.16
01	2053	7	CLR:00	10.00		70	21.1	64	17.8	60	15.6	71	0	000		29.18			30.13	FM-15	0.00	30.16
01	2153	7	CLR:00	10.00		68	20.0	63	17.2	60	15.6	76	0	000		29.19	1	-0.01	30.13	FM-15	0.00	30.17
01	2253	7	CLR:00	10.00		66	18.9	62	16.7	60	15.6	81	0	000		29.19			30.13	FM-15	0.00	30.17
01	2353	7	BKN:07 60	10.00		67	19.4	63	17.2	60	15.6	79	0	000		29.19			30.13	FM-15	0.00	30.17

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Local Climatological Data
Hourly Remarks
June 2021

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

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

Generated on 07/12/2021

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

Date	Time (LST)	Remarks
01	0053	MET10806/01/21 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 15/13 A3024 RMK AO2 SLP233 T01500128 10244 20150 56003
01	0153	MET09006/01/21 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 14/12 A3025 RMK AO2 SLP234 T01440122
01	0253	MET09306/01/21 02:53:02 METAR KOQT 010753Z 00000KT 10SM BKN055 14/12 A3026 RMK AO2 SLP237 T01440122
01	0353	MET10306/01/21 03:53:02 METAR KOQT 010853Z 00000KT 10SM OVC060 14/12 A3026 RMK AO2 SLP238 T01440122 52006 RTX
01	0453	MET09306/01/21 04:53:02 METAR KOQT 010953Z 00000KT 10SM OVC060 15/13 A3027 RMK AO2 SLP241 T01500128
01	0553	MET09306/01/21 05:53:02 METAR KOQT 011053Z 00000KT 10SM OVC065 15/13 A3029 RMK AO2 SLP246 T01500128
01	0653	MET11106/01/21 06:53:02 METAR KOQT 011153Z 00000KT 10SM BKN065 16/13 A3029 RMK AO2 SLP249 T01610133 10161 20139 51010
01	0753	MET09306/01/21 07:53:02 METAR KOQT 011253Z 00000KT 10SM BKN065 20/13 A3029 RMK AO2 SLP248 T02000133
01	0853	MET09006/01/21 08:53:02 METAR KOQT 011353Z VRB04KT 10SM CLR 22/13 A3029 RMK AO2 SLP246 T02170128
01	0953	MET10006/01/21 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 22/13 A3028 RMK AO2 SLP244 T02170133 58004 RTX
01	1053	MET09006/01/21 10:53:02 METAR KOQT 011553Z VRB03KT 10SM CLR 23/13 A3028 RMK AO2 SLP244 T02330133
01	1153	MET09006/01/21 11:53:02 METAR KOQT 011653Z VRB04KT 10SM CLR 24/13 A3025 RMK AO2 SLP235 T02440128
01	1253	MET11806/01/21 12:53:02 METAR KOQT 011753Z 16003KT 10SM BKN048 BKN060 24/13 A3024 RMK AO2 SLP231 T02440128 10261 20161 58013
01	1353	MET10006/01/21 13:53:02 METAR KOQT 011853Z VRB03KT 10SM BKN050 BKN070 26/13 A3022 RMK AO2 SLP224 T02560133
01	1453	MET10006/01/21 14:53:02 METAR KOQT 011953Z 00000KT 10SM FEW055 SCT075 26/13 A3020 RMK AO2 SLP218 T02610128
01	1553	MET11006/01/21 15:53:02 METAR KOQT 012053Z 00000KT 10SM SCT050 BKN075 27/13 A3019 RMK AO2 SLP212 T02670133 56017 RTX
01	1653	MET09006/01/21 16:53:02 METAR KOQT 012153Z 27004KT 10SM CLR 26/12 A3018 RMK AO2 SLP209 T02610122
01	1753	MET09006/01/21 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 26/13 A3016 RMK AO2 SLP203 T02560128
01	1853	MET10806/01/21 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 24/14 A3015 RMK AO2 SLP201 T02440139 10272 20244 56011
01	1953	MET09006/01/21 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 23/16 A3016 RMK AO2 SLP203 T02280156
01	2053	MET09006/01/21 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 21/16 A3016 RMK AO2 SLP203 T02110156
01	2153	MET09606/01/21 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 20/16 A3017 RMK AO2 SLP204 T02000156 51004
01	2253	MET09006/01/21 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 19/16 A3017 RMK AO2 SLP204 T01890156
01	2353	MET10306/01/21 23:53:02 METAR KOQT 020453Z 00000KT 10SM BKN060 19/16 A3017 RMK AO2 SLP203 T01940156 402720139

Local Climatological Data
Hourly Precipitation
June 2021

Generated on 07/12/2021

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										T	T	T	T	T		T		T					T	0.03	02	
03	T	0.01	0.11	0.09	0.06	0.06	0.01	0.16	0.08	0.03	0.01	T	T			T									03	
04																										04
05																										05
06		T	T	0.02	T						0.01	T			T	0.01										06
07		T	T	T	T	T	0.01	T	0.14	0.06	0.09	0.08	T				T					0.01				07
08	0.06															T								0.12	08	
09	0.01							T	T	T	T	T	0.02	T	0.02						T	0.01	T	T	09	
10		0.04	T							0.01s	0.02	T					T						T	0.01	10	
11	T	0.01										0.54	0.68	0.09	0.09	0.06		T	0.21				0.02	T	11	
12																			0.02	T	T				12	
13																							T	T	13	
14																									14	
15																									15	
16																									16	
17																									17	
18																									18	
19																									19	
20																									20	
21																	0.43	T	0.46	0.35	0.12	T	T	T	21	
22	T	T	T	T	0.01	0.03	0.08																		22	
23																									23	
24																									24	
25	M	M	M	M	M	M	M	M	M	M	M	M													25	
26																									26	
27																									27	
28																									28	
29																		T	T	T					29	
30																									30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)												
Ending Date Time (yyyy-mm-dd hh:mi)												

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