

Local Climatological Data Daily Summary June 2020

Generated on 07/09/2020

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	83	53*	68	-3.4				0	3	0521	1949		0.00			29.26		1.8	14	080	8	070					
02	86	59	73	1.3				0	8	0521	1949		0.00			29.18		2.1	17	220	9	260					
03	88	67	78	6.0				0	13	0521	1950		0.00			29.05		2.0	16	280	9	250					
04	89	70	80	7.7				0	15	0520	1951		0.00			28.95		2.5	19	260	10	240					
05	85	69	77	4.4				0	12	0520	1951	RA FG BR	0.61			28.97		2.9	17	280	9	280					
06	91	66	79	6.1				0	14	0520	1952	FG BR	0.00			29.03		0.3	9	290	6	090					
07	94*	68	81	7.8				0	16	0520	1952		0.00			29.00		1.8	15	080	9	080					
08	90	67	79	5.6				0	14	0520	1953	RA BR	0.14			28.99		2.6	28s	170s	16	160					
09	88	72	80	6.3				0	15	0520	1953	RA BR	0.09			28.97		2.6	26	260	14	250					
10	90	72	81	7.0				0	16	0520	1954		T			28.94		5.1	28	240	14	190					
11	84	63	74	-0.3				0	9	0520	1954		0.00			29.16		1.8	14	270	8	080					
12	86	58	72	-2.5				0	7	0520	1954		0.00			29.25		2.5	22	070	13	080					
13	87	58	73	-1.8				0	8	0520	1955		0.00			29.18		1.4	15	070	9	100					
14	82	59	71	-4.0				0	6	0520	1955		0.05			29.21		1.7	22	020	10	340					
15	79	58	69	-6.3				0	4	0520	1956	RA FG BR	T			29.23		1.5	20	070	10	090					
16	77	61	69	-6.5				0	4	0520	1956		0.00			29.26		3.6	21	050	10	060					
17	75	56	66	-9.7				0	1	0520	1956		0.00			29.16		1.7	16	070	9	070					
18	81	57	69	-6.9				0	4	0520	1956	FG BR	0.00			29.10		1.1	13	270	8	280					
19	82	65	74	-2.1				0	9	0520	1957	RA	0.03			29.14		0.6	20	260	10	290					
20	85	64	75	-1.3				0	10	0520	1957	RA FG BR	0.37			29.10		0.8	24	140	10	140					
21	88	66	77	0.5				0	12	0521	1957	RA FG BR	0.05			29.04		2.0	20s	290s	12	280					
22	86	69	78	1.3				0	13	0521	1957	RA BR	0.33			29.05		3.3	22s	250s	10	260					
23	87	69	78	1.1				0	13	0521	1957	RA BR	0.11			28.90		3.2	23	280	12	280					
24	85	66	76	-1.0				0	11	0521	1958		0.00			28.98		1.7	13	250	8	280					
25	88	66	77	-0.2				0	12	0522	1958		0.00			29.07		2.5	15	270	10	260					
26	88	63	76	-1.4				0	11	0522	1958		0.00			29.18		2.4	21	150	10	210					
27	83	70	77	-0.5				0	12	0522	1958	RA	0.01			29.10		3.7	25	260	15	270					
28	83	69	76	-1.6				0	11	0523	1958	RA FG BR	0.76			28.99		1.9	17	260	10	260					
29	91	69	80	2.3				0	15	0523	1958	RA FG BR	2.17			29.04		0.5	28	140	15	110					
30	81	70	76	-1.8				0	11	0524	1958	RA BR	0.05			29.03		1.2	31s	280s	16	270					
Monthly Averages Totals													4.77s			29.08	30.02	2.0									
Departure from Normal (1981-2010)													0.49s														
Degree Days											Number of days with...																
Monthly					Season-to-date					Temperature				Precipitation		Snow		Weather									
Total		Departure		Total		Departure		Max		Min		Precipitation		Snow		Weather											
Heating		0		-2		3108		>=90°		<=32°		<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog			
Cooling		300		-5		464		5		0		0		0		13		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			
								30.29				01				0903				Precip		Snowfall					
								29.75				23				1624				2.20s							
Date																29-30											
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 2020

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

Generated on 07/09/2020

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		62	16.7	53	11.7	45	7.2	54	5	080		29.26	0	-0.01	30.20	FM-15	0.00	30.24
01	0153	7	CLR:00	10.00		59	15.0	52	11.1	46	7.8	62	3	360		29.26			30.21	FM-15	0.00	30.24
01	0253	7	CLR:00	10.00		57	13.9	51	10.6	45	7.2	64	0	000		29.27			30.22	FM-15	0.00	30.25
01	0353	7	CLR:00	10.00		55	12.8	50	10.0	46	7.8	72	0	000		29.28	3	-0.02	30.23	FM-15	0.00	30.26
01	0453	7	CLR:00	10.00		54	12.2	50	10.0	46	7.8	75	3	070		29.29			30.25	FM-15	0.00	30.27
01	0553	7	CLR:00	10.00		54	12.2	50	10.0	46	7.8	75	0	000		29.31			30.27	FM-15	0.00	30.29
01	0653	7	CLR:00	10.00		59	15.0	53	11.7	47	8.3	64	3	060		29.32	1	-0.04	30.27	FM-15	0.00	30.30
01	0753	7	CLR:00	10.00		64	17.8	54	12.2	46	7.8	52	5	VRB		29.32			30.28	FM-15	0.00	30.30
01	0853	7	CLR:00	10.00		66	18.9	56	13.3	47	8.3	50	6	VRB		29.33			30.29	FM-15	0.00	30.31
01	0953	7	CLR:00	10.00		70	21.1	58	14.4	48	8.9	46	3	VRB		29.32	0	-0.01	30.27	FM-15	0.00	30.30
01	1053	7	CLR:00	10.00		73	22.8	58	14.4	46	7.8	38	7	VRB		29.32			30.27	FM-15	0.00	30.30
01	1153	7	CLR:00	10.00		76	24.4	60	15.6	48	8.9	37	0	000		29.30			30.25	FM-15	0.00	30.28
01	1253	7	CLR:00	10.00		78	25.6	61	16.1	48	8.9	35	0	000		29.29	8	+0.04	30.23	FM-15	0.00	30.27
01	1353	7	CLR:00	10.00		78	25.6	61	16.1	48	8.9	35	0	000		29.27			30.22	FM-15	0.00	30.25
01	1453	7	CLR:00	10.00		79	26.1	62	16.7	49	9.4	35	5	VRB		29.25			30.20	FM-15	0.00	30.23
01	1553	7	CLR:00	10.00		81	27.2	63	17.2	51	10.6	35	0	000		29.23	8	+0.06	30.18	FM-15	0.00	30.21
01	1653	7	CLR:00	10.00		82	27.8	64	17.8	51	10.6	34	3	020		29.21			30.16	FM-15	0.00	30.19
01	1753	7	CLR:00	10.00		81	27.2	62	16.7	48	8.9	32	0	000		29.20			30.15	FM-15	0.00	30.18
01	1853	7	CLR:00	10.00		79	26.1	62	16.7	49	9.4	35	0	000		29.20	5	+0.02	30.15	FM-15	0.00	30.18
01	1953	7	CLR:00	10.00		73	22.8	62	16.7	54	12.2	51	0	000		29.21			30.16	FM-15	0.00	30.19
01	2053	7	CLR:00	10.00		68	20.0	60	15.6	54	12.2	61	0	000		29.22			30.18	FM-15	0.00	30.20
01	2153	7	CLR:00	10.00		65	18.3	59	15.0	54	12.2	68	0	000		29.23	1	-0.03	30.18	FM-15	0.00	30.21
01	2253	7	CLR:00	10.00		63	17.2	58	14.4	54	12.2	73	0	000		29.23			30.18	FM-15	0.00	30.21
01	2353	7	CLR:00	10.00		62	16.7	57	13.9	54	12.2	75	0	000		29.23			30.18	FM-15	0.00	30.21

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
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Local Climatological Data
Hourly Remarks
June 2020

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 07/09/2020

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

Date	Time (LST)	Remarks
01	0053	MET10806/01/20 00:53:02 METAR KOQT 010553Z 08004KT 10SM CLR 17/07 A3024 RMK AO2 SLP228 T01670072 10233 20167 50004
01	0153	MET09006/01/20 01:53:02 METAR KOQT 010653Z 36003KT 10SM CLR 15/08 A3024 RMK AO2 SLP231 T01500078
01	0253	MET09006/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 14/07 A3025 RMK AO2 SLP234 T01390072
01	0353	MET09606/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 13/08 A3026 RMK AO2 SLP237 T01280078 53006
01	0453	MET09006/01/20 04:53:02 METAR KOQT 010953Z 07003KT 10SM CLR 12/08 A3027 RMK AO2 SLP243 T01220078
01	0553	MET09406/01/20 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 12/08 A3029 RMK AO2 SLP249 T01220078 RTX
01	0653	MET11206/01/20 06:53:02 METAR KOQT 011153Z 06003KT 10SM CLR 15/08 A3030 RMK AO2 SLP250 T01500083 10167 20117 51013 RTX
01	0753	MET09006/01/20 07:53:02 METAR KOQT 011253Z VRB04KT 10SM CLR 18/08 A3030 RMK AO2 SLP253 T01780078
01	0853	MET09006/01/20 08:53:02 METAR KOQT 011353Z VRB05KT 10SM CLR 19/08 A3031 RMK AO2 SLP256 T01890083
01	0953	MET09606/01/20 09:53:02 METAR KOQT 011453Z VRB03KT 10SM CLR 21/09 A3030 RMK AO2 SLP252 T02110089 50002
01	1053	MET09006/01/20 10:53:02 METAR KOQT 011553Z VRB06KT 10SM CLR 23/08 A3030 RMK AO2 SLP249 T02280078
01	1153	MET09406/01/20 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 24/09 A3028 RMK AO2 SLP243 T02440089 RTX
01	1253	MET10806/01/20 12:53:02 METAR KOQT 011753Z 00000KT 10SM CLR 26/09 A3027 RMK AO2 SLP238 T02560089 10256 20150 58012
01	1353	MET09006/01/20 13:53:02 METAR KOQT 011853Z 00000KT 10SM CLR 26/09 A3025 RMK AO2 SLP232 T02560089
01	1453	MET09406/01/20 14:53:02 METAR KOQT 011953Z VRB04KT 10SM CLR 26/09 A3023 RMK AO2 SLP227 T02610094 RTX
01	1553	MET09606/01/20 15:53:02 METAR KOQT 012053Z 00000KT 10SM CLR 27/11 A3021 RMK AO2 SLP219 T02720106 58020
01	1653	MET09006/01/20 16:53:02 METAR KOQT 012153Z 02003KT 10SM CLR 28/11 A3019 RMK AO2 SLP214 T02780106
01	1753	MET09406/01/20 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 27/09 A3018 RMK AO2 SLP211 T02720089 RTX
01	1853	MET10806/01/20 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 26/09 A3018 RMK AO2 SLP210 T02610094 10283 20244 55007
01	1953	MET09006/01/20 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 23/12 A3019 RMK AO2 SLP215 T02280122
01	2053	MET09006/01/20 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 20/12 A3020 RMK AO2 SLP219 T02000122
01	2153	MET09606/01/20 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 18/12 A3021 RMK AO2 SLP221 T01830122 51009
01	2253	MET09006/01/20 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 17/12 A3021 RMK AO2 SLP220 T01720122
01	2353	MET10006/01/20 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 17/12 A3021 RMK AO2 SLP219 T01670122 402830117

Local Climatological Data
Hourly Precipitation
June 2020

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

Generated on 07/09/2020

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

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																										04
05					0.35	T			0.25	0.01																05
06								M	M	M	M	M	M													06
07																										07
08																			0.02	0.12						08
09											0.02	T		T	0.01	T	0.06									09
10			T		T	T					T												T	T		10
11																										11
12																										12
13																										13
14															0.05											14
15											T	T				T	T									15
16																										16
17																										17
18																										18
19						T				T			0.01	T	0.01	0.01										19
20															0.36	0.01										20
21														T	0.04	T			T	T			T	0.01	T	21
22															T	T							0.17s	0.16		22
23							T	0.02	T	0.03	T	0.05	0.01	T												23
24																										24
25																										25
26																										26
27		T		T							T	0.01														27
28	0.19	0.03	0.23	0.01				T	T		T	0.07				0.21	0.02	T	T							28
29											T	T	0.02					0.04		1.69s	0.42	T	T	T	T	29
30																0.05										30

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.42	0.75	1.09	1.35	1.60	1.71	2.03	2.07	2.11	2.11s	2.11	2.11s
Ending Date Time (yyyy-mm-dd hh:mi)	2020-06-29 18:33	2020-06-29 18:40	2020-06-29 18:42	2020-06-29 18:42	2020-06-29 18:44	2020-06-29 19:01	2020-06-29 19:15	2020-06-29 19:33	2020-06-29 19:56	2020-06-29 19:56	2020-06-29 19:56	2020-06-29 19:56

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