

Local Climatological Data Daily Summary August 2019

Generated on 08/27/2019

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	Peak Speed	Peak Dir	Sust. Speed
	Weather Type												Direction = Degrees									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	88	69	79	0.5				0	14	0544	1942	FG BR	0.00			29.12		0.6	14	110	9	100
02	87	69	78	-0.5				0	13	0545	1941		0.00			29.10		1.6	17	180	10	140
03	90	67	79	0.5				0	14	0546	1940	FG BR	0.00			29.07		1.3	12	080	8	330
04	87	69	78	-0.5				0	13	0546	1939	RA BR	0.11			29.05		0.4	18	100	12	110
05	90	69	80	1.5				0	15	0547	1938	RA BR	T			29.02		0.3	12	280	8	280
06	89	66	78	-0.4				0	13	0548	1937	RA	T			28.98		1.0	12	190	8	260
07	90	68	79	0.6				0	14	0549	1936	RA	T			28.95		2.9	16	250	10	270
08	90	69	80	1.6				0	15	0550	1935		0.00			28.98		2.1	15	290	10	270
09	92	68	80	1.7				0	15	0550	1934	FG BR	0.00			29.00		1.8	12	200	9	260
10	94	73	84	5.7				0	19	0551	1933		0.00			28.99		1.3	12	260	8	250
11	93	68	81	2.7				0	16	0552	1932		0.00			29.05		1.5	11	080	8	070
12	94	67	81	2.8				0	16	0553	1931		0.00			29.03		1.5	13	220	8	270
13	92	75	84	5.8				0	19	0553	1930	RA BR	0.26			28.95		2.3	24	250	15	260
14	93	72	83	4.9				0	18	0554	1928		0.00			28.97		1.2	14	310	8	300
15	93	69	81	3.0				0	16	0555	1927		0.00			29.02		1.4	13	270	9	260
16	92	66	79	1.0				0	14	0556	1926		0.00			29.04		0.5	11	100	7	100
17	93	66*	80	2.1				0	15	0557	1925	BR	0.00			29.06		0.8	11	140	7	160
18	96	69	83	5.2				0	18	0557	1924		0.00			29.05		1.3	14	260	9	280
19	97*	72	85	7.3				0	20	0558	1922		0.00			29.09		2.1	10	260	7	100
20	95	72	84	6.4				0	19	0559	1921		0.00	0.0	0	29.13		1.3	12	260	8	280
Monthly Averages Totals																						
Departure from Normal (1981-2010)																						
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°					
Cooling																						
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...						
N/A												Date		Time		24-Hr...			Snow Depth			
																Precip					Snowfall	
																			Date			
Station Augmentation																						
Name: N/A Lat: N/A Lon: N/A Elevation: N/A Distance: N/A Elements: N/A Equipment: N/A																						

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data Hourly Observations August 2019

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 08/27/2019

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		73	22.8	70	21.1	69	20.6	87	0	000		29.13	0	-0.01	30.05	FM-15	0.00	30.10
01	0153	7	CLR:00	8.00		72	22.2	70	21.1	69	20.6	91	0	000		29.12		30.04	FM-15	0.00	30.09	
01	0209	7	SCT:04 1	7.00		71	21.7	70	21.1	69	20.6	94	0	000		29.10			FM-16		30.08	
01	0253	6	SCT:04 3	4.00	BR:1	71	21.7	69	20.6	68	20.0	90	0	000		29.10		30.04	FM-15	0.00	30.08	
01	0255	7	BKN:07 3	2.50	BR:1	71	21.7	70	21.1	69	20.6	94	0	000		29.10			FM-16		30.08	
01	0259	7	VV:09 2	0.75	BR:1	71	21.7	70	21.1	69	20.6	94	0	000		29.10			FM-16		30.08	
01	0324	7	OVC:08 2			71	21.7	70	21.1	69	20.6	94	0	000		29.10			FM-16		30.08	
01	0346	7	VV:09 2	0.75	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.12			FM-16		30.09	
01	0351	6	VV:09 2	1.00	BR:1	70	21.1	69	20.6	68	20.0	94	0	000		29.12			FM-16		30.09	
01	0353	7	VV:09 2	0.75	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.12	5	+0.01	30.04	FM-15	0.00	30.09
01	0429	7	VV:09 2	1.00	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.12			FM-16		30.09	
01	0453	7	VV:09 2	0.75	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.12		30.04	FM-15	0.00	30.09	
01	0535	7	OVC:08 2			70	21.1	69	20.6	68	20.0	93	0	000		29.13			FM-16		30.10	
01	0546	7	VV:09 2	0.50	FG:2 FG	69	20.6	68	20.0	68	20.0	96	0	000		29.13			FM-16		30.10	
01	0553	7	VV:09 2	0.50	FG:2 FG	70	21.1	69	20.6	68	20.0	93	0	000		29.13		30.06	FM-15	0.00	30.11	
01	0653	7	OVC:08 2	1.00	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.14	3	-0.04	30.07	FM-15	0.00	30.12
01	0719	7	OVC:08 2	3.00	BR:1	70	21.1	69	20.6	68	20.0	93	0	000		29.15			FM-16		30.13	
01	0753	7	OVC:08 3	4.00	BR:1	71	21.7	70	21.1	69	20.6	94	5	100		29.16		30.09	FM-15	0.00	30.14	
01	0803	7	OVC:08 3	2.50	BR:1	71	21.7	70	21.1	69	20.6	94	5	060		29.16			FM-16		30.14	
01	0810	7	OVC:08 3	7.00		71	21.7	70	21.1	69	20.6	94	0	000		29.17			FM-16		30.15	
01	0836	7	SCT:04 3 SCT:04 7	10.00		72	22.2	70	21.1	69	20.6	91	0	000		29.16			FM-16		30.14	
01	0853	7	FEW:02 7	10.00		77	25.0	72	22.2	69	20.6	77	0	000		29.16		30.09	FM-15	0.00	30.14	
01	0953	7	CLR:00	10.00		80	26.7	73	22.8	70	21.1	71	0	000		29.17	1	-0.02	30.10	FM-15	0.00	30.15
01	1053	4		10.00		82	27.8			70	21.1	67	0	000				30.10	FM-15		30.15	
01	1153	4		10.00		85	29.4			70	21.1	61	0	000				30.08	FM-15		30.13	
01	1223	7	BKN:07 29	10.00		85	29.4	75	23.9	70	21.1	61	3	VRB		29.14			FM-16		30.12	
01	1232	7	BKN:07 30	10.00		85	29.4	75	23.9	70	21.1	61	0	000		29.14			FM-16		30.12	
01	1253	7	SCT:04 32	10.00		86	30.0	74	23.3	69	20.6	57	0	000		29.13	8	+0.03	30.06	FM-15	0.00	30.11
01	1353	7	SCT:04 33	10.00		86	30.0	74	23.3	69	20.6	57	0	000		29.12		30.04	FM-15	0.00	30.09	
01	1453	7	CLR:00	10.00		87	30.6	75	23.9	70	21.1	57	3	VRB		29.10		30.01	FM-15	0.00	30.07	
01	1553	7	SCT:04 100	10.00		86	30.0	73	22.8	67	19.4	53	3	360		29.08	6	+0.06	30.00	FM-15	0.00	30.05
01	1653	7	BKN:07 100	10.00		85	29.4	75	23.9	70	21.1	61	0	000		29.09		30.01	FM-15	0.00	30.06	
01	1753	7	CLR:00	10.00		81	27.2	71	21.7	66	18.9	61	3	VRB		29.06		29.98	FM-15	0.00	30.03	
01	1853	7	CLR:00	10.00		81	27.2	72	22.2	67	19.4	62	0	000		29.08	3	0.00	30.01	FM-15	0.00	30.05
01	1953	7	CLR:00	10.00		79	26.1	72	22.2	68	20.0	69	0	000		29.09		30.01	FM-15	0.00	30.06	
01	2053	7	CLR:00	10.00		76	24.4	71	21.7	68	20.0	77	0	000		29.10		30.02	FM-15	0.00	30.07	
01	2153	7	CLR:00	10.00		75	23.9	70	21.1	68	20.0	79	0	000		29.10	3	-0.03	30.03	FM-15	0.00	30.08
01	2253	7	CLR:00	10.00		75	23.9	71	21.7	69	20.6	82	0	000		29.12		30.03	FM-15	0.00	30.09	
01	2353	7	FEW:02 80	10.00		73	22.8	70	21.1	68	20.0	84	0	000		29.12		30.04	FM-15	0.00	30.09	

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Local Climatological Data
Hourly Remarks
August 2019

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 08/27/2019

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

Date	Time (LST)	Remarks
01	0053	MET11408/01/19 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 23/21 A3010 RMK AO2 SLP176 60000 T02280206 10289 20228 50004
01	0153	MET08908/01/19 01:53:02 METAR KOQT 010653Z 00000KT 8SM CLR 22/21 A3009 RMK AO2 SLP172 T02220206
01	0209	MET08508/01/19 02:09:02 SPECI KOQT 010709Z 00000KT 7SM SCT001 22/21 A3008 RMK AO2 T02170206
01	0253	MET10008/01/19 02:53:02 METAR KOQT 010753Z 00000KT 4SM BR SCT003 22/20 A3008 RMK AO2 SLP174 T02170200 FIBI
01	0255	MET09208/01/19 02:55:02 SPECI KOQT 010755Z 00000KT 2 1/2SM BR BKN003 22/21 A3008 RMK AO2 T02170206
01	0259	MET08908/01/19 02:59:02 SPECI KOQT 010759Z 00000KT 3/4SM BR VV002 22/21 A3008 RMK AO2 T02170206
01	0324	MET08308/01/19 03:24:02 SPECI KOQT 010824Z 00000KT OVC002 22/21 A3008 RMK AO2 T02170206 \$
01	0346	MET09108/01/19 03:46:02 SPECI KOQT 010846Z 00000KT 3/4SM BR VV002 21/20 A3009 RMK AO2 T02110200 \$
01	0351	MET08408/01/19 03:51:02 SPECI KOQT 010851Z 00000KT 1SM BR VV002 21/20 A3009 RMK AO2 \$ FIBI
01	0353	MET10408/01/19 03:53:02 METAR KOQT 010853Z 00000KT 3/4SM BR VV002 21/20 A3009 RMK AO2 SLP172 T02110200 55005 \$
01	0429	MET08908/01/19 04:29:02 SPECI KOQT 010929Z 00000KT 1SM BR VV002 21/20 A3009 RMK AO2 T02110200 \$
01	0453	MET09808/01/19 04:53:02 METAR KOQT 010953Z 00000KT 3/4SM BR VV002 21/20 A3009 RMK AO2 SLP173 T02110200 \$
01	0535	MET08308/01/19 05:35:02 SPECI KOQT 011035Z 00000KT OVC002 21/20 A3010 RMK AO2 T02110200 \$
01	0546	MET09108/01/19 05:46:02 SPECI KOQT 011046Z 00000KT 1/2SM FG VV002 21/20 A3010 RMK AO2 T02060200 \$
01	0553	MET09808/01/19 05:53:02 METAR KOQT 011053Z 00000KT 1/2SM FG VV002 21/20 A3011 RMK AO2 SLP179 T02110200 \$
01	0653	MET11908/01/19 06:53:02 METAR KOQT 011153Z 00000KT 1SM BR OVC002 21/20 A3012 RMK AO2 SLP184 70015 T02110200 10222 20206 53012
01	0719	MET08808/01/19 07:19:02 SPECI KOQT 011219Z 00000KT 3SM BR OVC002 21/20 A3013 RMK AO2 T02110200
01	0753	MET09508/01/19 07:53:02 METAR KOQT 011253Z 10004KT 4SM BR OVC003 22/21 A3014 RMK AO2 SLP191 T02170206
01	0803	MET09208/01/19 08:03:02 SPECI KOQT 011303Z 06004KT 2 1/2SM BR OVC003 22/21 A3014 RMK AO2 T02170206
01	0810	MET08508/01/19 08:10:02 SPECI KOQT 011310Z 00000KT 7SM OVC003 22/21 A3015 RMK AO2 T02170206
01	0836	MET09308/01/19 08:36:02 SPECI KOQT 011336Z 00000KT 10SM SCT003 SCT007 22/21 A3014 RMK AO2 T02220206
01	0853	MET09308/01/19 08:53:02 METAR KOQT 011353Z 00000KT 10SM FEW007 25/21 A3014 RMK AO2 SLP191 T02500206
01	0953	MET10008/01/19 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 27/21 A3015 RMK AO2 SLP193 T02670211 51008 RTX
01	1053	MET081METAR KOQT 011553Z AUTO 00000KT 10SM FEW021 28/21 A3015 RMK AO2 SLP192 T02780211=
01	1153	MET095METAR KOQT 011653Z AUTO 00000KT 10SM FEW025 FEW032 SCT039 29/21 A3013 RMK AO2 SLP185 T02940211=
01	1223	MET08608/01/19 12:23:02 SPECI KOQT 011723Z VRB03KT 10SM BKN029 29/21 A3012 RMK AO2 T02940211
01	1232	MET08608/01/19 12:32:02 SPECI KOQT 011732Z 00000KT 10SM BKN030 29/21 A3012 RMK AO2 T02940211
01	1253	MET11108/01/19 12:53:02 METAR KOQT 011753Z 00000KT 10SM SCT032 30/21 A3011 RMK AO2 SLP179 T03000206 10306 20211 58011
01	1353	MET09708/01/19 13:53:02 METAR KOQT 011853Z 00000KT 10SM SCT033 30/21 A3009 RMK AO2 SLP173 T03000206 RTX
01	1453	MET09008/01/19 14:53:02 METAR KOQT 011953Z VRB03KT 10SM CLR 31/21 A3007 RMK AO2 SLP164 T03060211
01	1553	MET10308/01/19 15:53:02 METAR KOQT 012053Z 36003KT 10SM SCT100 30/19 A3005 RMK AO2 SLP159 T03000194 56021 RTX
01	1653	MET09308/01/19 16:53:02 METAR KOQT 012153Z 00000KT 10SM BKN100 29/21 A3006 RMK AO2 SLP161 T02940211
01	1753	MET09008/01/19 17:53:02 METAR KOQT 012253Z VRB03KT 10SM CLR 27/19 A3003 RMK AO2 SLP154 T02720189
01	1853	MET10808/01/19 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 27/19 A3005 RMK AO2 SLP161 T02720194 10311 20267 53001
01	1953	MET09008/01/19 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 26/20 A3006 RMK AO2 SLP164 T02610200
01	2053	MET09008/01/19 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 24/20 A3007 RMK AO2 SLP165 T02440200
01	2153	MET09608/01/19 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 24/20 A3008 RMK AO2 SLP169 T02390200 53009
01	2253	MET09008/01/19 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 24/21 A3009 RMK AO2 SLP171 T02390206
01	2353	MET10308/01/19 23:53:02 METAR KOQT 020453Z 00000KT 10SM FEW080 23/20 A3009 RMK AO2 SLP173 T02280200 403110206

Local Climatological Data
Hourly Precipitation
August 2019

Generated on 08/27/2019

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											M	M													01	
02																										02
03																										03
04															M	0.02	0.06	0.03								04
05																	T	T								05
06																T	T									06
07	T	T	T							T																07
08																										08
09																										09
10																										10
11																										11
12																										12
13												0.20								0.01	0.05	T				13
14									M																	14
15																										15
16													M	M												16
17																										17
18																										18
19																										19
20																										20
21	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	21
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
 s = Suspect
 * = Erroneous
 blank = No precipitation observed
 M = Missing