

Local Climatological Data Daily Summary October 2019

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

Generated on 11/07/2019

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	96	71	84	18.7				0	19	0632	1821	BR	0.00			29.13		0.7	12	250	8	260	
02	97	68	83	18.1				0	18	0633	1819		0.00			29.08		1.2	13	220	8	200	
03	98*	65	82	17.4				0	17	0633	1818		0.00			29.08		1.2	22	250	14	220	
04	87	68	78	13.8				0	13	0634	1817		0.00			29.13		3.4	17	020	10	080	
05	90	63	77	13.2				0	12	0635	1815	RA BR	0.15			29.11		3.5	21	190	14	160	
06	75	66	71	7.6				0	6	0636	1814	RA FG BR	0.49			29.21		1.7	12	260	7	180	
07	71	59	65	2.0				0	0	0637	1812	RA BR	0.29			29.13		2.1	16	290	10	260	
08	77	59	68	5.3				0	3	0638	1811		0.00			29.13		3.0	12	360	7	090	
09	79	57	68	5.7				0	3	0638	1810		0.00			29.15		0.4	10	290	7	290	
10	81	58	70	8.0				0	5	0639	1808	FG BR	T			29.17		0.3	12	200	7	210	
11	82	59	71	9.4				0	6	0640	1807		0.00			29.13		1.7	15	250	8	260	
12	71	45	58	-3.2				7	0	0641	1805	RA	T			29.11		2.3	13	280	9	270	
13	72	41	57	-3.9				8	0	0642	1804	RA FG BR	T			29.08		1.0	12	190	8	240	
14	75	40	58	-2.5				7	0	0643	1803	RA FG BR	0.00s			29.14		0.1	9	100	6	190	
15	75	44	60	-0.2				5	0	0644	1801	FG BR	T			29.09		0.4	13	220	7	210	
16	66	49	58	-1.8				7	0	0644	1800	RA BR	1.03			28.92		3.5	18	280	12	270	
17	63	39	51	-8.5				14	0	0645	1759		0.00s			29.05		1.3	12	080	7	140	
18	67	40	54	-5.1				11	0	0646	1757	RA BR	0.00s			29.05		0.6	14	070	9	070	
19	58	44	51	-7.8				14	0	0647	1756	RA FG BR	0.21			28.97		1.3	9	110	7	100	
20	69	55	62	3.5				3	0	0648	1755	RA FG BR	0.10			28.94		0.7	9	090	6	090	
21	74	54	64	5.9				1	0	0649	1754	RA FG BR	0.17			28.98		1.4	18	270	12	260	
22	70	50	60	2.2				5	0	0650	1753	RA BR	0.86			28.95		4.3	23	250	14	270	
23	67	41	54	-3.4				11	0	0651	1751		0.00s			29.18		1.0	13	140	9	130	
24	69	38	54	-3.1				11	0	0652	1750	FG BR	0.00s			29.28		0.6	10	090	7	100	
25	62	47	55	-1.8				10	0	0653	1749	RA BR	1.88			29.28		1.6	13	070	8	070	
26	73	55	64	7.6				1	0	0654	1748	RA BR	0.54			28.96		1.1	17	250	10	260	
27	70	52	61	4.9				4	0	0655	1747	FG BR	T			28.98		2.1	22	260	14	260	
28	75	51	63	7.3				2	0	0655	1746	FG BR	0.00			29.10		1.1	9	090	6	170	
29	75	50	63	7.6				2	0	0656	1744	RA FG BR	0.00s			29.16		0.3	9	190	6	170	
30	67	58	63	7.9				2	0	0657	1743	RA BR	0.72			29.08		0.0	7	090	3	050	
31	73	38*	56	1.3				9	0	0658	1742	RA FG BR	1.58			28.97		5.5	43s	260s	25	250	
Monthly Averages Totals													8.02s			29.09	30.05						
Departure from Normal (1981-2010)													5.10s										

Degree Days				Number of days with...								
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather	
Total	Departure	Total	Departure	Max		Min						
Heating				>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog
Cooling				4	0	0	0	12	12			

Date of 5-sec to 3-sec wind equipment change		Sea Level Pressure				Greatest...							
2007-03-22		Maximum		Date		Time		24-Hr...		Snow Depth			
				30.36		24		1002		Precip		Snowfall	
				29.62		31		0952		2.08s			
										Date			
										25-26			

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

Local Climatological Data Hourly Observations October 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 11/07/2019

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		74	23.3	71	21.7	69	20.6	85	0	000		29.13	8	+0.01	30.05	FM-15	0.00	30.11
01	0153	7	CLR:00	9.00		73	22.8	70	21.1	69	20.6	87	0	000		29.13			30.05	FM-15	0.00	30.11
01	0253	7	CLR:00	8.00		72	22.2	70	21.1	69	20.6	91	0	000		29.13			30.05	FM-15	0.00	30.11
01	0353	7	CLR:00	6.00	BR:1	72	22.2	70	21.1	69	20.6	91	0	000		29.14	3	0.00	30.06	FM-15	0.00	30.12
01	0453	7	CLR:00	6.00	BR:1	72	22.2	69	20.6	68	20.0	87	0	000		29.15			30.07	FM-15	0.00	30.13
01	0529	7	FEW:02 2	6.00	BR:1	71	21.7	69	20.6	68	20.0	90	0	000		29.17				FM-16		30.15
01	0550	7	BKN:07 2	6.00	BR:1	72	22.2	69	20.6	68	20.0	88	0	000		29.18				FM-16		30.16
01	0553	7	BKN:07 2	6.00	BR:1	71	21.7	69	20.6	68	20.0	90	0	000		29.18			30.10	FM-15	0.00	30.16
01	0642	7	FEW:02 2 BKN:07 70	4.00	BR:1	71	21.7	69	20.6	68	20.0	90	0	000		29.19				FM-16		30.17
01	0653	7	SCT:04 2 BKN:07 70	4.00	BR:1	72	22.2	70	21.1	69	20.6	91	0	000		29.19	1	-0.04	30.11	FM-15	0.00	30.17
01	0753	7	FEW:02 3 FEW:02 70	6.00	BR:1	73	22.8	70	21.1	69	20.6	87	0	000		29.20			30.13	FM-15	0.00	30.18
01	0853	7	FEW:02 75	10.00		78	25.6	73	22.8	71	21.7	79	0	000		29.20			30.12	FM-15	0.00	30.18
01	0953	7	CLR:00	10.00		83	28.3	73	22.8	69	20.6	63	0	000		29.20	1	-0.01	30.12	FM-15	0.00	30.18
01	1053	7	BKN:07 70	10.00		87	30.6	74	23.3	68	20.0	53	3	VRB		29.19			30.11	FM-15	0.00	30.17
01	1153	7	CLR:00	10.00		89	31.7	74	23.3	67	19.4	48	0	000		29.17			30.09	FM-15	0.00	30.15
01	1253	7	CLR:00	10.00		92	33.3	75	23.9	67	19.4	44	6	270		29.15	8	+0.05	30.07	FM-15	0.00	30.13
01	1353	7	FEW:02 90	10.00		94	34.4	74	23.3	65	18.3	38	0	000		29.13			30.04	FM-15	0.00	30.10
01	1453	7	SCT:04 65 BKN:07 80	10.00		96	35.6	75	23.9	65	18.3	36	0	000		29.12			30.02	FM-15	0.00	30.09
01	1553	7	CLR:00	10.00		95	35.0	74	23.3	64	17.8	36	3	VRB		29.10	6	+0.06	30.01	FM-15	0.00	30.07
01	1653	7	CLR:00	10.00		95	35.0	73	22.8	63	17.2	35	3	210		29.09			30.00	FM-15	0.00	30.06
01	1753	7	CLR:00	10.00		92	33.3	73	22.8	64	17.8	40	0	000		29.09			30.01	FM-15	0.00	30.06
01	1853	7	CLR:00	10.00		86	30.0	73	22.8	66	18.9	51	0	000		29.09	6	+0.01	30.01	FM-15	0.00	30.06
01	1953	7	CLR:00	10.00		82	27.8	72	22.2	67	19.4	60	0	000		29.10			30.01	FM-15	0.00	30.07
01	2053	7	CLR:00	10.00		79	26.1	71	21.7	67	19.4	67	0	000		29.09			30.01	FM-15	0.00	30.06
01	2153	7	CLR:00	10.00		77	25.0	70	21.1	67	19.4	71	0	000		29.10	1	-0.01	30.01	FM-15	0.00	30.07
01	2253	7	CLR:00	10.00		75	23.9	70	21.1	67	19.4	76	0	000		29.09			30.01	FM-15	0.00	30.06
01	2353	7	CLR:00	10.00		74	23.3	69	20.6	67	19.4	79	0	000		29.09			30.00	FM-15	0.00	30.06

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Local Climatological Data
Hourly Remarks
October 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 11/07/2019

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

Date	Time (LST)	Remarks
01	0053	MET10810/01/19 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 23/21 A3011 RMK AO2 SLP177 T02330206 10300 20233 58005
01	0153	MET08910/01/19 01:53:02 METAR KOQT 010653Z 00000KT 9SM CLR 23/21 A3011 RMK AO2 SLP177 T02280206
01	0253	MET08910/01/19 02:53:02 METAR KOQT 010753Z 00000KT 8SM CLR 22/21 A3011 RMK AO2 SLP176 T02220206
01	0353	MET09810/01/19 03:53:02 METAR KOQT 010853Z 00000KT 6SM BR CLR 22/21 A3012 RMK AO2 SLP178 T02220206 53001
01	0453	MET09210/01/19 04:53:02 METAR KOQT 010953Z 00000KT 6SM BR CLR 22/20 A3013 RMK AO2 SLP184 T02220200
01	0529	MET08810/01/19 05:29:02 SPECI KOQT 011029Z 00000KT 6SM BR FEW002 22/20 A3015 RMK AO2 T02170200
01	0550	MET07810/01/19 05:50:02 SPECI KOQT 011050Z 00000KT 6SM BR BKN002 22/20 A3016 RMK AO2
01	0553	MET09510/01/19 05:53:02 METAR KOQT 011053Z 00000KT 6SM BR BKN002 22/20 A3016 RMK AO2 SLP194 T02170200
01	0642	MET09510/01/19 06:42:02 SPECI KOQT 011142Z 00000KT 4SM BR FEW002 BKN070 22/20 A3017 RMK AO2 T02170200
01	0653	MET12010/01/19 06:53:02 METAR KOQT 011153Z 00000KT 4SM BR SCT002 BKN070 22/21 A3017 RMK AO2 SLP198 T02220206 10233 20217 51012
01	0753	MET10210/01/19 07:53:02 METAR KOQT 011253Z 00000KT 6SM BR FEW003 FEW070 23/21 A3018 RMK AO2 SLP203 T02280206
01	0853	MET09310/01/19 08:53:02 METAR KOQT 011353Z 00000KT 10SM FEW075 26/22 A3018 RMK AO2 SLP201 T02560217
01	0953	MET09610/01/19 09:53:02 METAR KOQT 011453Z 00000KT 10SM CLR 28/21 A3018 RMK AO2 SLP201 T02830206 51004
01	1053	MET09310/01/19 10:53:02 METAR KOQT 011553Z VRB03KT 10SM BKN070 31/20 A3017 RMK AO2 SLP198 T03060200
01	1153	MET09010/01/19 11:53:02 METAR KOQT 011653Z 00000KT 10SM CLR 32/19 A3015 RMK AO2 SLP190 T03170194
01	1253	MET10810/01/19 12:53:02 METAR KOQT 011753Z 27005KT 10SM CLR 33/19 A3013 RMK AO2 SLP183 T03330194 10339 20222 58017
01	1353	MET09310/01/19 13:53:02 METAR KOQT 011853Z 00000KT 10SM FEW090 34/18 A3010 RMK AO2 SLP172 T03440183
01	1453	MET10410/01/19 14:53:02 METAR KOQT 011953Z 00000KT 10SM SCT065 BKN080 36/18 A3009 RMK AO2 SLP167 T03560183 RTX
01	1553	MET09610/01/19 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 35/18 A3007 RMK AO2 SLP162 T03500178 56019
01	1653	MET09010/01/19 16:53:02 METAR KOQT 012153Z 21003KT 10SM CLR 35/17 A3006 RMK AO2 SLP160 T03500172
01	1753	MET09010/01/19 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 33/18 A3006 RMK AO2 SLP161 T03330178
01	1853	MET10810/01/19 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 30/19 A3006 RMK AO2 SLP162 T03000189 10356 20300 56003
01	1953	MET09010/01/19 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 28/19 A3007 RMK AO2 SLP164 T02780194
01	2053	MET09010/01/19 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 26/19 A3006 RMK AO2 SLP163 T02610194
01	2153	MET09610/01/19 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 25/19 A3007 RMK AO2 SLP163 T02500194 51002
01	2253	MET09010/01/19 22:53:01 METAR KOQT 020353Z 00000KT 10SM CLR 24/19 A3006 RMK AO2 SLP161 T02390194
01	2353	MET10010/01/19 23:53:01 METAR KOQT 020453Z 00000KT 10SM CLR 23/19 A3006 RMK AO2 SLP160 T02330194 403560217

Local Climatological Data
Hourly Precipitation
October 2019

Generated on 11/07/2019

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																									01
02																									02
03																									03
04																									04
05																								0.15	05
06	0.12																								06
07																									07
08																									08
09																									09
10																									10
11																									11
12																									12
13																									13
14																									14
15																									15
16	T	0.03	0.22	0.03	0.29	0.30	0.14	T	0.02	T															16
17																									17
18																									18
19																									19
20	0.06	0.02	T	0.02																					20
21																									21
22	T	0.14	0.61	0.10	0.01	T	T																		22
23																									23
24																									24
25																									25
26	0.09	M	T	0.05	0.05	T																			26
27	T																								27
28																									28
29																									29
30																									30
31	0.43s	0.25	0.02																						31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.24	0.30	0.32	0.37	0.45	0.56	0.62	0.71	0.80	0.88	0.98	1.09
Ending Date Time (yyyy-mm-dd hh:mi)	2019-10-31 10:07	2019-10-31 10:10	2019-10-31 10:16	2019-10-31 01:00	2019-10-31 01:10	2019-10-31 01:25	2019-10-31 01:33	2019-10-25 22:46	2019-10-25 22:56	2019-10-25 23:07	2019-10-25 23:11	2019-10-26 00:04

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