

Local Climatological Data Daily Summary January 2020

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

Generated on 02/04/2020

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

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather Type	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	51	31	41	3.1				24	0	0748	1734		0.00			29.05		3.0	15	210	9	190
02	45	36	41	3.1				24	0	0748	1734	RA BR	2.21			28.98		1.7	11	090	8	080
03	56	45	51	13.2				14	0	0748	1735	RA BR	1.08			28.88		0.9	14	200	7	210
04	56	38	47	9.3				18	0	0748	1736	RA BR	0.23			28.95		6.9	27	280	17	270
05	49	33	41	3.3				24	0	0748	1737		0.00			29.27		2.9	18	320	12	320
06	56	29	43	5.4				22	0	0748	1738	SN	0.00s			29.20		0.9	8	360	6	360
07	53	37	45	7.4				20	0	0748	1739	RA BR	0.39			29.08		4.3	23	270	16	260
08	57	32	45	7.5				20	0	0748	1739		0.00			29.38		3.3	16	190	12	210
09	58	29	44	6.5				21	0	0748	1740		0.00s			29.46		1.1	18	200	12	210
10	64	45	55	17.5				10	0	0748	1741		0.00s			29.36		0.1	5	220	3	210
11	73*	53	63	25.6				2	0	0748	1742	RA BR	0.97			29.03		7.5	36	210	23	200
12	61	43	52	14.6				13	0	0748	1743		0.00			29.28		2.6	17	260	10	250
13	63	42	53	15.6				12	0	0748	1744	RA BR	0.04			29.34		0.3	7	300	6	310
14	62	54	58	20.6				7	0	0747	1745	RA BR	0.76			29.21		2.1	22	160	16	170
15	64	59	62	24.6				3	0	0747	1746	RA BR	0.09			29.18		2.1	13	270	8	260
16	63	38	51	13.5				14	0	0747	1747		0.00			29.39		5.4	23	340	16	340
17	44	34	39	1.5				26	0	0746	1748		0.00			29.59		4.5	19	010	12	070
18	47	41	44	6.5				21	0	0746	1749	RA BR	0.69			29.19		5.5	21	280	13	280
19	47	26	37	-0.5				28	0	0746	1750	BR	0.00			29.21		5.6	20	200	13	260
20	29	22	26	-11.6				39	0	0745	1751		0.00			29.44		5.1	18	050	10	360
21	35	22	29	-8.6				36	0	0745	1752	SN	T			29.53		4.2	18	080	12	070
22	42	19*	31	-6.7				34	0	0744	1753		0.00			29.41		1.2	12	070	8	080
23	47	31	39	1.2				26	0	0744	1754	RA BR	0.12			29.22		0.6	8	070	6	060
24	51	40	46	8.1				19	0	0743	1755	RA BR	1.16			28.98		2.3	23	270	14	270
25	45	37	41	3.1				24	0	0743	1756	RA	T			29.07		4.7	19	260	10	260
26	43	29	36	-2.0				29	0	0742	1757		0.00			29.10		2.6	16	280	10	260
27	53	34	44	5.9				21	0	0741	1758	RA BR	0.14			28.96		2.3	17	290	9	310
28	53	29	41	2.7				24	0	0741	1800	SN BR	0.00s			29.07		1.2	11	230	7	260
29	51	33	42	3.6				23	0	0740	1801	RA	T			29.07		1.0	11	070	7	070
30	56	41	49	10.5				16	0	0739	1802		0.00			29.14		0.4	8	180	5	080
31	54	39	47	8.3				18	0	0739	1803		0.00			29.16		1.9	15	180	10	180

Monthly Averages Totals												7.88s			29.20	30.20						
Departure from Normal (1981-2010)												3.34s										

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	Cooling			>=90°	<=32°	<=32°	<=0°					
				0	1	11	0	11s	9s			

Date of 5-sec to 3-sec wind equipment change		Sea Level Pressure				Greatest...	
2007-03-22		Maximum		Date		Time	
		Minimum		Date		Time	
		30.68		17		1052	
		29.80		03		1458	
				24-Hr...		Snow Depth	
				Precip		Snowfall	
				2.86s			
				Date			
				02-03			

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 January 2020

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

Generated on 02/04/2020

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	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)
					AU AW MW	(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	OVC:08 42	10.00		40	4.4	35	1.7	27	-2.8	60	3	VRB		29.06	0	-0.04	30.05	FM-15	0.00	30.03
01	0153	7	OVC:08 47	10.00		41	5.0	35	1.7	27	-2.8	57	5	200		29.06			30.05	FM-15	0.00	30.03
01	0253	7	OVC:08 49	10.00		40	4.4	35	1.7	27	-2.8	60	0	000		29.05			30.04	FM-15	0.00	30.02
01	0353	7	SCT:04 50	10.00		37	2.8	33	0.6	27	-2.8	67	0	000		29.06	6	0.00	30.04	FM-15	0.00	30.03
01	0453	7	CLR:00	10.00		36	2.2	33	0.6	27	-2.8	70	3	230		29.04			30.04	FM-15	0.00	30.01
01	0553	7	CLR:00	10.00		32	0.0	30	-1.1	26	-3.3	79	0	000		29.05			30.05	FM-15	0.00	30.02
01	0653	7	CLR:00	10.00		31	-0.6	30	-1.1	27	-2.8	85	3	210		29.07	3	-0.01	30.07	FM-15	0.00	30.04
01	0753	7	CLR:00	10.00		31	-0.6	29	-1.7	26	-3.3	82	3	220		29.09			30.09	FM-15	0.00	30.06
01	0853	7	CLR:00	10.00		36	2.2	33	0.6	27	-2.8	70	3	250		29.10			30.10	FM-15	0.00	30.07
01	0953	7	CLR:00	10.00		41	5.0	35	1.7	27	-2.8	57	3	VRB		29.10	1	-0.04	30.11	FM-15	0.00	30.08
01	1053	7	CLR:00	10.00		42	5.6	36	2.2	26	-3.3	53	8	220		29.13			30.13	FM-15	0.00	30.10
01	1153	7	CLR:00	10.00		46	7.8	38	3.3	25	-3.9	44	6	VRB		29.10			30.09	FM-15	0.00	30.07
01	1253	7	CLR:00	10.00		48	8.9	38	3.3	24	-4.4	39	7	220		29.06	8	+0.05	30.05	FM-15	0.00	30.03
01	1353	7	CLR:00	10.00		50	10.0	40	4.4	25	-3.9	38	8	190		29.04			30.02	FM-15	0.00	30.01
01	1453	7	CLR:00	10.00		50	10.0	40	4.4	25	-3.9	38	7	210		29.02			30.01	FM-15	0.00	29.99
01	1553	7	CLR:00	10.00		50	10.0	39	3.9	24	-4.4	36	6	210		29.02	5	+0.04	30.01	FM-15	0.00	29.99
01	1653	7	CLR:00	10.00		49	9.4	38	3.3	22	-5.6	35	6	210		29.03			30.02	FM-15	0.00	30.00
01	1753	7	CLR:00	10.00		45	7.2	37	2.8	24	-4.4	44	0	000		29.03			30.03	FM-15	0.00	30.00
01	1853	7	CLR:00	10.00		41	5.0	35	1.7	25	-3.9	53	0	000		29.03	0	0.00	30.03	FM-15	0.00	30.00
01	1953	7	CLR:00	10.00		39	3.9	34	1.1	26	-3.3	60	0	000		29.02			30.03	FM-15	0.00	29.99
01	2053	7	CLR:00	10.00		38	3.3	33	0.6	26	-3.3	62	0	000		29.03			30.03	FM-15	0.00	30.00
01	2153	7	CLR:00	10.00		37	2.8	33	0.6	26	-3.3	65	0	000		29.02	8	+0.01	30.02	FM-15	0.00	29.99
01	2253	7	CLR:00	10.00		37	2.8	33	0.6	26	-3.3	65	0	000		29.02			30.02	FM-15	0.00	29.99
01	2353	7	CLR:00	10.00		36	2.2	32	0.0	26	-3.3	67	0	000		29.01			30.00	FM-15	0.00	29.98

U.S. Department of Commerce
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Local Climatological Data
Hourly Remarks
January 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 02/04/2020

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

Date	Time (LST)	Remarks
01	0053	MET11401/01/20 00:53:02 METAR KOQT 010553Z VRB03KT 10SM OVC042 04/M03 A3003 RMK AO2 SLP176 T00441028 10067 20011 50012 \$
01	0153	MET09601/01/20 01:53:02 METAR KOQT 010653Z 20004KT 10SM OVC047 05/M03 A3003 RMK AO2 SLP175 T00501028 \$
01	0253	MET09601/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM OVC049 04/M03 A3002 RMK AO2 SLP174 T00441028 \$
01	0353	MET10201/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM SCT050 03/M03 A3003 RMK AO2 SLP174 T00281028 56001 \$
01	0453	MET09301/01/20 04:53:02 METAR KOQT 010953Z 23003KT 10SM CLR 02/M03 A3001 RMK AO2 SLP172 T00221028 \$
01	0553	MET09301/01/20 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 00/M03 A3002 RMK AO2 SLP176 T00001033 \$
01	0653	MET11201/01/20 06:53:02 METAR KOQT 011153Z 21003KT 10SM CLR M01/M03 A3004 RMK AO2 SLP184 T10061028 10050 21006 53005 \$
01	0753	MET09401/01/20 07:53:02 METAR KOQT 011253Z 22003KT 10SM CLR M01/M03 A3006 RMK AO2 SLP191 T10061033 \$
01	0853	MET09301/01/20 08:53:02 METAR KOQT 011353Z 25003KT 10SM CLR 02/M03 A3007 RMK AO2 SLP192 T00221028 \$
01	0953	MET09901/01/20 09:53:02 METAR KOQT 011453Z VRB03KT 10SM CLR 05/M03 A3008 RMK AO2 SLP196 T00501028 51013 \$
01	1053	MET09301/01/20 10:53:02 METAR KOQT 011553Z 22007KT 10SM CLR 06/M03 A3010 RMK AO2 SLP203 T00561033 \$
01	1153	MET09301/01/20 11:53:02 METAR KOQT 011653Z VRB05KT 10SM CLR 08/M04 A3007 RMK AO2 SLP190 T00781039 \$
01	1253	MET11101/01/20 12:53:02 METAR KOQT 011753Z 22006KT 10SM CLR 09/M04 A3003 RMK AO2 SLP176 T00891044 10089 21006 58016 \$
01	1353	MET09301/01/20 13:53:02 METAR KOQT 011853Z 19007KT 10SM CLR 10/M04 A3001 RMK AO2 SLP166 T01001039 \$
01	1453	MET09301/01/20 14:53:02 METAR KOQT 011953Z 21006KT 10SM CLR 10/M04 A2999 RMK AO2 SLP162 T01001039 \$
01	1553	MET09901/01/20 15:53:02 METAR KOQT 012053Z 21005KT 10SM CLR 10/M04 A2999 RMK AO2 SLP164 T01001044 55012 \$
01	1653	MET09301/01/20 16:53:02 METAR KOQT 012153Z 21005KT 10SM CLR 09/M06 A3000 RMK AO2 SLP166 T00941056 \$
01	1753	MET09301/01/20 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 07/M04 A3000 RMK AO2 SLP169 T00721044 \$
01	1853	MET11101/01/20 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 05/M04 A3000 RMK AO2 SLP171 T00501039 10106 20050 50001 \$
01	1953	MET09301/01/20 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 04/M03 A2999 RMK AO2 SLP170 T00391033 \$
01	2053	MET09301/01/20 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 03/M03 A3000 RMK AO2 SLP171 T00331033 \$
01	2153	MET09901/01/20 21:53:01 METAR KOQT 020253Z 00000KT 10SM CLR 03/M03 A2999 RMK AO2 SLP166 T00281033 58002 \$
01	2253	MET09301/01/20 22:53:01 METAR KOQT 020353Z 00000KT 10SM CLR 03/M03 A2999 RMK AO2 SLP165 T00281033 \$
01	2353	MET10301/01/20 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 02/M03 A2998 RMK AO2 SLP160 T00221033 401061006 \$

Local Climatological Data
Hourly Precipitation
January 2020

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

Generated on 02/04/2020

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	M	M	M	M	M	M	M	T	0.01	M	0.04	0.05	0.09	0.06	0.02	0.11	0.04	0.15	0.18	0.23	0.34	0.31	0.11	0.48	02
03	0.19	0.08	0.09	0.10	0.04	0.11	0.04			T	T	0.04	0.03	0.03	0.03	0.06	0.07	0.01	T	0.04	0.05	0.05	0.01	0.01	03
04	0.03	T	0.06			0.10	0.01	0.01	T	T						0.01s	0.01		T						04
05																									05
06									T																06
07		T	0.07	0.17	0.08	T	0.02	0.05	T																07
08																									08
09				T				T																	09
10									T																10
11											T	T	T				0.02	0.48	0.22	T	0.01	0.02	0.22		11
12																									12
13	T																						T	0.04	13
14	0.04	T	T	T	0.02	0.34	0.12	0.15	0.04	0.02	0.01	0.01				T	0.01							T	14
15	T	T	0.01					T	0.01	0.01	0.02	0.01				T			T	T				0.03	15
16																									16
17																									17
18								T	T	T		0.03	0.15	0.07	0.13	0.16	0.06	0.08	0.01						18
19																									19
20																									20
21											T														21
22																									22
23																T	T	T		T	T	T	0.09	0.03	23
24	0.06	0.15	0.08	0.11	0.12	0.16	0.05	0.11	0.07	0.03	0.02	0.10	0.08	0.01								T	0.01		24
25							T	T																	25
26																									26
27			0.01	T	T	0.01	0.03	T	T	0.03s	0.05	0.01		T	T										27
28			T	T	T	T	T	T	T																28
29																				T	T				29
30																									30
31																								M	31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.20	0.27	0.30	0.32	0.36	0.44	0.51	0.62	0.68	0.72	0.81	0.95
Ending Date Time (yyyy-mm-dd hh:mi)	2020-01-14 05:45	2020-01-11 17:16	2020-01-11 17:19	2020-01-14 06:00	2020-01-02 23:53	2020-01-03 00:09	2020-01-03 00:22	2020-01-11 18:26	2020-01-11 18:43	2020-01-03 00:38	2020-01-03 00:03	2020-01-03 00:32

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