

Local Climatological Data Daily Summary February 2020

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

Generated on 03/10/2020

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	51	35	43	5.5				22	0	0738	1804	RA BR	T			29.04		2.8	25	270	14	260		
02	65	34	50	12.4				15	0	0737	1805		0.00			28.98		5.2	22	200	14	210		
03	71*	40	56	18.4				9	0	0736	1806	RA	T			29.03		2.6	20	200	14	200		
04	63	53	58	20.3				7	0	0735	1807	RA BR	0.47			28.99		4.2	16	200	10	210		
05	62	58	60	22.2				5	0	0735	1808	RA FG BR	3.47			28.85		1.8	15	220	12	140		
06	62	42	52	14.1				13	0	0734	1809	RA FG BR	2.20			28.53		3.2	19	200	12	190		
07	42	32	37	-0.9				28	0	0733	1810	RA SN BR UP	0.09			28.74		7.3	26	270	17	260		
08	39	26	33	-5.0				32	0	0732	1811	RA	T			29.24		2.1	15	200	9	210		
09	54	36	45	6.9				20	0	0731	1812		0.00			29.41		2.1	14	190	10	170		
10	52	44	48	9.7				17	0	0730	1813	RA BR	1.25			29.16		4.0	19	250	10	260		
11	61	45	53	14.6				12	0	0729	1814	RA BR	0.83			29.03		1.5	15	270	9	260		
12	56	43	50	11.5				15	0	0728	1815	RA FG BR	1.06			29.05		2.2	36s	290s	20	290		
13	59	35	47	8.3				18	0	0727	1816	RA BR	0.64			28.94		5.4	23	270	14	270		
14	42	28	35	-3.8				30	0	0726	1817		0.00			29.41		3.1	14	080	8	070		
15	51	22	37	-2.0				28	0	0725	1818		0.00			29.43		1.5	15	210	9	210		
16	57	36	47	7.9				18	0	0723	1819		0.00			29.20		1.8	13	270	8	280		
17	65	34	50	10.7				15	0	0722	1820	SN BR HZ	T			29.12		1.8	16	220	9	220		
18	58	46	52	12.5				13	0	0721	1821	RA BR	0.88			29.10		2.6	21	010	12	360		
19	53	43	48	8.3				17	0	0720	1822		0.00			29.34		4.9	22	070	13	070		
20	45	33	39	-0.9				26	0	0719	1823	RA SN FG BR	0.30			29.39		3.4	16	040	8	030		
21	44	25	35	-5.1				30	0	0718	1824		0.00			29.54		3.8	17	030	12	080		
22	55	21*	38	-2.3				27	0	0716	1825		0.00			29.45		0.9	9	220	7	200		
23	56	29	43	2.5				22	0	0715	1826		0.00			29.26		2.0	14	200	9	210		
24	48	43	46	5.3				19	0	0714	1827	RA BR	0.61			29.04		0.7	8	170	5	070		
25	65	45	55	14.0				10	0	0713	1828	RA BR	0.09			28.83		3.2	19	240	12	200		
26	53	37	45	3.8				20	0	0711	1829	RA SN BR	0.15			28.92		4.6	27	270	16	270		
27	46	31	39	-2.5				26	0	0710	1830	SN	0.01			29.16		5.0	20	260	14	270		
28	43	31	37	-4.7				28	0	0709	1831	RA SN	0.02			29.13		3.9	19	200	12	270		
29	47	29	38	-4.0				27	0	0708	1832	RA	0.02			29.21		3.2	17	310	10	260		
	54.0	36.4	45.2									Monthly Averages Totals			12.09s			29.13	30.11	2.9				
	7.4	7.5	7.5					Departure from Normal (1981-2010)						7.55s										
	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	641	-204	1884		>=90°	<=32°	<=32°	<=0°	16		11													
Cooling	0	0	0		0	0	10	0																
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...												
2007-03-22										Date	Time	24-Hr...		Snow Depth										
								Maximum	30.66	21	1147	Precip	Snowfall											
								Minimum	29.33	06	1523	4.82s												
												Date												
												05-06												
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 February 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 03/10/2020

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	OVC:08 90	10.00		39	3.9	37	2.8	35	1.7	86	0	000		29.10	8	+0.02	30.09	FM-15	0.00	30.08
01	0153	7	CLR:00	10.00		38	3.3	36	2.2	34	1.1	86	0	000		29.09			30.07	FM-15	0.00	30.06
01	0253	7	CLR:00	10.00		36	2.2	34	1.1	32	0.0	86	0	000		29.07			30.05	FM-15	0.00	30.04
01	0353	7	BKN:07 65	10.00		36	2.2	35	1.7	33	0.6	89	0	000		29.07	5	+0.04	30.06	FM-15	0.00	30.04
01	0453	7	BKN:07 70 OVC:08 90	9.00		36	2.2	35	1.7	33	0.6	89	0	000		29.06			30.06	FM-15	0.00	30.03
01	0553	7	FEW:02 25 BKN:07 55 OVC:08 80	9.00		38	3.3	36	2.2	34	1.1	86	0	000		29.07			30.06	FM-15	T	30.04
01	0606	7	BKN:07 29 BKN:07 55 OVC:08 75	9.00		38	3.3	36	2.2	34	1.1	86	0	000		29.06				FM-16		30.03
01	0623	7	SCT:04 29 OVC:08 60	8.00	-RA:02 RA RA	38	3.3	37	2.8	35	1.7	89	0	000		29.06				FM-16	T	30.03
01	0653	7	BKN:07 55 OVC:08 85	8.00		38	3.3	37	2.8	35	1.7	89	0	000		29.06	8	+0.01	30.05	FM-15	T	30.03
01	0753	7	BKN:07 23 OVC:08 90	8.00		38	3.3	37	2.8	35	1.7	89	0	000		29.06			30.06	FM-15	0.00	30.03
01	0819	7	SCT:04 24 SCT:04 34 OVC:08 50	6.00	BR:1	39	3.9	38	3.3	36	2.2	89	0	000		29.05				FM-16		30.02
01	0853	7	SCT:04 50 OVC:08 100	8.00		40	4.4	38	3.3	36	2.2	86	0	000		29.06			30.05	FM-15	0.00	30.03
01	0953	7	SCT:04 24 BKN:07 35 OVC:08 42	9.00		42	5.6	40	4.4	37	2.8	82	3	VRB		29.05	8	+0.01	30.05	FM-15	T	30.02
01	1001	7	BKN:07 24 OVC:08 40	9.00	-RA:02 RA RA	42	5.6	40	4.4	38	3.3	85	3	220		29.05				FM-16	T	30.02
01	1029	7	FEW:02 9 BKN:07 22 OVC:08 35	4.00	-RA:02 BR:1 RA RA	42	5.6	40	4.4	38	3.3	85	3	200		29.06				FM-16	T	30.03
01	1053	7	FEW:02 9 BKN:07 24 OVC:08 37	5.00	-RA:02 BR:1 RA RA	42	5.6	40	4.4	38	3.3	85	5	220		29.06			30.06	FM-15	T	30.03
01	1113	7	SCT:04 25 BKN:07 43 OVC:08 90	7.00		43	6.1	42	5.6	40	4.4	89	5	VRB		29.05				FM-16	T	30.02
01	1119	7	FEW:02 7 BKN:07 25 OVC:08 70	8.00		44	6.7	42	5.6	40	4.4	85	7	VRB		29.05				FM-16	T	30.02
01	1153	7	FEW:02 8 BKN:07 17 OVC:08 24	8.00		44	6.7	42	5.6	39	3.9	83	3	VRB		29.05			30.04	FM-15	T	30.02
01	1219	7	BKN:07 7 OVC:08 15	7.00		44	6.7	42	5.6	40	4.4	85	3	VRB		29.03				FM-16		30.00
01	1253	7	OVC:08 7	8.00		44	6.7	42	5.6	40	4.4	85	3	VRB		29.01	8	+0.04	30.00	FM-15	0.00	29.98
01	1351	6	BKN:07 10 OVC:08 25	10.00		46	7.8	43	6.1	39	3.9	76	0	000		28.99				FM-16		29.96
01	1353	7	BKN:07 10 OVC:08 25	10.00		47	8.3	44	6.7	40	4.4	77	3	VRB		28.99			29.98	FM-15	0.00	29.96
01	1444	7	SCT:04 15 BKN:07 37 OVC:08 50	10.00		47	8.3	44	6.7	40	4.4	77	0	000		28.98				FM-16		29.95

01	1451	7	BKN:07 17 BKN:07 26 OVC:08 50	10.00		48	8.9	44	6.7	39	3.9	71	3	VRB		28.98				FM-16		29.95
01	1453	7	SCT:04 15 BKN:07 20 OVC:08 50	10.00		48	8.9	44	6.7	40	4.4	74	0	000		28.98			29.97	FM-15	0.00	29.95
01	1508	7	SCT:04 18 BKN:07 38 OVC:08 55	10.00		50	10.0	45	7.2	40	4.4	68	6	290		28.97				FM-16		29.94
01	1553	7	FEW:02 30 BKN:07 43 OVC:08 50	10.00		49	9.4	43	6.1	36	2.2	61	10	270		28.96	8	+0.02	29.95	FM-15	0.00	29.93
01	1653	7	FEW:02 34 SCT:04 40 BKN:07 50	10.00		47	8.3	43	6.1	39	3.9	74	3	VRB		28.98			29.97	FM-15	0.00	29.95
01	1753	7	OVC:08 48	10.00		46	7.8	42	5.6	36	2.2	68	6	260		28.99			29.98	FM-15	T	29.96
01	1853	7	FEW:02 38 SCT:04 45 OVC:08 55	10.00		45	7.2	40	4.4	34	1.1	66	3	270		29.01	3	-0.05	30.01	FM-15	0.00	29.98
01	1953	7	OVC:08 55	10.00		44	6.7	40	4.4	34	1.1	68	5	VRB		29.03			30.03	FM-15	0.00	30.00
01	2053	7	OVC:08 55	10.00		43	6.1	40	4.4	35	1.7	74	7	210		29.04			30.04	FM-15	0.00	30.01
01	2153	7	FEW:02 29 SCT:04 34 OVC:08 50	10.00		44	6.7	40	4.4	34	1.1	68	5	VRB		29.05	1	-0.03	30.04	FM-15	0.00	30.02
01	2253	7	FEW:02 27 BKN:07 38 BKN:07 47	10.00		44	6.7	40	4.4	34	1.1	68	5	VRB		29.05			30.04	FM-15	0.00	30.02
01	2353	7	SCT:04 27 SCT:04 38	10.00		43	6.1	39	3.9	33	0.6	68	6	180		29.04			30.03	FM-15	0.00	30.01

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Local Climatological Data
Hourly Remarks
February 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 03/10/2020

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

Date	Time (LST)	Remarks
01	0053	MET11102/01/20 00:53:02 METAR KOQT 010553Z 00000KT 10SM OVC090 04/02 A3008 RMK AO2 SLP190 T00390017 10094 20033 58008
01	0153	MET09002/01/20 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 03/01 A3006 RMK AO2 SLP183 T00330011
01	0253	MET09002/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 02/00 A3004 RMK AO2 SLP177 T00220000
01	0353	MET10102/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM BKN065 02/01 A3004 RMK AO2 SLP179 T00220006 55012 \$
01	0453	MET10102/01/20 04:53:02 METAR KOQT 010953Z 00000KT 9SM BKN070 OVC090 02/01 A3003 RMK AO2 SLP178 T00220006 \$
01	0553	MET12302/01/20 05:53:02 METAR KOQT 011053Z 00000KT 9SM FEW025 BKN055 OVC080 03/01 A3004 RMK AO2 RAB31E39 SLP178 P0000 T00330011 \$
01	0606	MET10102/01/20 06:06:02 SPECI KOQT 011106Z 00000KT 9SM BKN029 BKN055 OVC075 03/01 A3003 RMK AO2 T00330011 \$
01	0623	MET11002/01/20 06:23:02 SPECI KOQT 011123Z 00000KT 8SM -RA SCT029 OVC060 03/02 A3003 RMK AO2 RAB12 P0000 T00330017 \$
01	0653	MET14002/01/20 06:53:02 METAR KOQT 011153Z 00000KT 8SM BKN055 OVC085 03/02 A3003 RMK AO2 RAB12E31 SLP176 P0000 60000 T00330017 10039 20017 58003 \$
01	0753	MET10102/01/20 07:53:02 METAR KOQT 011253Z 00000KT 8SM BKN023 OVC090 03/02 A3003 RMK AO2 SLP178 T00330017 \$
01	0819	MET10402/01/20 08:19:02 SPECI KOQT 011319Z 00000KT 6SM BR SCT024 SCT034 OVC050 04/02 A3002 RMK AO2 T00390022 \$
01	0853	MET10102/01/20 08:53:02 METAR KOQT 011353Z 00000KT 8SM SCT050 OVC100 04/02 A3003 RMK AO2 SLP176 T00440022 \$
01	0953	MET11402/01/20 09:53:02 METAR KOQT 011453Z VRB03KT 9SM SCT024 BKN035 OVC042 06/03 A3002 RMK AO2 SLP175 T00560028 58002 \$
01	1001	MET11202/01/20 10:01:02 SPECI KOQT 011501Z 22003KT 9SM -RA BKN024 OVC040 06/03 A3002 RMK AO2 RAB1456 P0000 T00560033 \$
01	1029	MET12202/01/20 10:29:02 SPECI KOQT 011529Z 20003KT 4SM -RA BR FEW009 BKN022 OVC035 06/03 A3003 RMK AO2 RAB1456 P0000 T00560033 \$
01	1053	MET12902/01/20 10:53:02 METAR KOQT 011553Z 22004KT 5SM -RA BR FEW009 BKN024 OVC037 06/03 A3003 RMK AO2 RAB1456 SLP178 P0000 T00560033 \$
01	1113	MET11302/01/20 11:13:02 SPECI KOQT 011613Z VRB04KT 7SM SCT025 BKN043 OVC090 06/04 A3002 RMK AO2 RAE04 P0000 T00610044 \$
01	1119	MET11302/01/20 11:19:02 SPECI KOQT 011619Z VRB06KT 8SM FEW007 BKN025 OVC070 07/04 A3002 RMK AO2 RAE04 P0000 T00670044 \$
01	1153	MET13002/01/20 11:53:02 METAR KOQT 011653Z VRB03KT 8SM FEW008 BKN017 OVC024 07/04 A3002 RMK AO2 RAE04B26E37 SLP172 P0000 T00670039 \$ RTX
01	1219	MET09402/01/20 12:19:02 SPECI KOQT 011719Z VRB03KT 7SM BKN007 OVC015 07/04 A3000 RMK AO2 T00670044 \$
01	1253	MET11802/01/20 12:53:02 METAR KOQT 011753Z VRB03KT 8SM OVC007 07/04 A2998 RMK AO2 SLP160 60000 T00670044 10072 20033 58015 \$
01	1351	MET10202/01/20 13:51:02 SPECI KOQT 011851Z 00000KT 10SM BKN010 OVC025 08/04 A2996 RMK AO2 CIG 008V012 \$ FIBI
01	1353	MET10202/01/20 13:53:02 METAR KOQT 011853Z VRB03KT 10SM BKN010 OVC025 08/04 A2996 RMK AO2 SLP151 T00830044 \$
01	1444	MET10202/01/20 14:44:02 SPECI KOQT 011944Z 00000KT 10SM SCT015 BKN037 OVC050 08/04 A2995 RMK AO2 T00830044 \$
01	1451	MET09202/01/20 14:51:02 SPECI KOQT 011951Z VRB03KT 10SM BKN017 BKN026 OVC050 09/04 A2995 RMK AO2 \$
01	1453	MET10902/01/20 14:53:02 METAR KOQT 011953Z 00000KT 10SM SCT015 BKN020 OVC050 09/04 A2995 RMK AO2 SLP149 T00890044 \$
01	1508	MET10202/01/20 15:08:02 SPECI KOQT 012008Z 29005KT 10SM SCT018 BKN038 OVC055 10/04 A2994 RMK AO2 T01000044 \$
01	1553	MET11502/01/20 15:53:02 METAR KOQT 012053Z 27009KT 10SM FEW030 BKN043 OVC050 09/02 A2993 RMK AO2 SLP143 T00940022 58008 \$
01	1653	MET10902/01/20 16:53:02 METAR KOQT 012153Z VRB03KT 10SM FEW034 SCT040 BKN050 08/04 A2995 RMK AO2 SLP150 T00830039 \$
01	1753	MET11002/01/20 17:53:02 METAR KOQT 012253Z 26005KT 10SM OVC048 08/02 A2996 RMK AO2 RAB08E30 SLP154 P0000 T00780022 \$
01	1853	MET13302/01/20 18:53:02 METAR KOQT 012353Z 27003KT 10SM FEW038 SCT045 OVC055 07/01 A2998 RMK AO2 SLP162 60000 T00720011 10106 20067 53017 \$
01	1953	MET09502/01/20 19:53:01 METAR KOQT 020053Z VRB04KT 10SM OVC055 07/01 A3000 RMK AO2 SLP168 T00670011 \$
01	2053	MET09502/01/20 20:53:01 METAR KOQT 020153Z 21006KT 10SM OVC055 06/02 A3001 RMK AO2 SLP172 T00610017 \$
01	2153	MET11502/01/20 21:53:01 METAR KOQT 020253Z VRB04KT 10SM FEW029 SCT034 OVC050 07/01 A3002 RMK AO2 SLP172 T00670011 51011 \$
01	2253	MET10902/01/20 22:53:01 METAR KOQT 020353Z VRB04KT 10SM FEW027 BKN038 BKN047 07/01 A3002 RMK AO2 SLP174 T00670011 \$
01	2353	MET11202/01/20 23:53:02 METAR KOQT 020453Z 18005KT 10SM SCT027 SCT038 06/01 A3001 RMK AO2 SLP168 T00610006 401060017 \$

Local Climatological Data
Hourly Precipitation
February 2020

Generated on 03/10/2020

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						T	T				T	T	T						T						01		
02																										02	
03																							T	T		03	
04		T	0.01		T	0.01	0.05	0.06	T	0.01	0.02	0.05	0.05	0.07	0.11	0.01	0.01				T	0.01				04	
05	T		T	0.08s	0.08	0.03	0.08	0.09	0.10	0.16	0.05	0.13	0.28	0.24	0.13	0.36	0.46	0.22	0.01	T	0.03	0.26	0.50	0.18		05	
06	0.06	0.23	0.11	0.14	0.29	0.39	0.28	0.16	0.12	0.09	0.03	0.25	0.01	0.02	0.01								T	0.01		06	
07	0.01	0.02	0.05	T	T	T		T				0.01	T	T	T											07	
08											T	T							T	T						08	
09																										09	
10			T	T	T	T	T	0.08	0.11	0.10	0.17	0.16	0.11	0.09	0.05	0.12	0.10	0.12	0.01	0.01	0.01	0.01	T	T		10	
11			0.05	0.13	0.12	0.19	0.07	0.11	0.09	0.06	0.01										T	T				11	
12		T			T	T	T						T	0.15	0.01								0.54s	0.22	0.14		12
13	0.15	0.13	0.20	0.03	0.02	0.07	0.02	T	0.02	T																	13
14																											14
15																											15
16																											16
17				T		T	T	T	T	T																	17
18						T	0.06s	0.04	0.04	0.03	0.19	0.07	0.15	0.10	0.08	0.03	T	T	0.01	0.03	0.03	T	0.02	T		18	
19																											19
20					T	0.01	0.04	0.01		T	0.09	0.08	0.03	0.03	T	0.01											20
21																											21
22																											22
23																											23
24		T	T	T	T	0.01	T	0.01	T	0.01	T	T	0.02	0.08	0.10	0.13	0.06	0.05	T	0.02	T	0.02	T	0.10		24	
25	0.05	0.01	0.01	0.01		T	0.01																				25
26													0.04s	0.07	0.03	T	0.01				T		T	T			26
27	T	T	T	T	T	0.01	T																				27
28											T	0.01	0.01	T	T	T	T	T					T	T	T		28
29			0.02	T																							29

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.24	0.32	0.36	0.45	0.57	0.61	0.67	0.74	0.89	1.00	1.03	1.05
Ending Date Time (yyyy-mm-dd hh:mi)	2020-02-05 22:18	2020-02-05 22:19	2020-02-05 22:19	2020-02-12 21:53	2020-02-12 22:02	2020-02-12 22:17	2020-02-12 22:33	2020-02-12 22:52	2020-02-05 17:08	2020-02-05 17:30	2020-02-05 17:45	2020-02-05 18:03

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