

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	34	25	30	-13.7				35	0	0730	1723	SN	T			29.10		4.7	22	270	13	280								
02	45	21	33	-10.4				32	0	0731	1723		0.00			29.36		0.5	9	070	6	090								
03	53	25	39	-4.1				26	0	0732	1723	SN FZFG BR UP FG	T			29.32		0.7	13	280	8	270								
04	46	42	44	1.1				21	0	0732	1722	RA BR	0.51			29.05		1.3	16	250	9	260								
05	53	32	43	0.4				22	0	0733	1722	RA FG BR	T			29.13		1.9	12	190	8	210								
06	53	29	41	-1.3				24	0	0734	1722	RA SN FG FZFG BR	0.02			29.02		0.4	12	210	8	210								
07	44	35	40	-2.1				25	0	0735	1723	BR	0.00			28.92		4.6	23	330	13	340								
08	41	29	35	-6.8				30	0	0736	1723		0.00			29.15		0.9	13	340	9	330								
09	53	26	40	-1.6				25	0	0737	1723		0.00			29.11		1.6	17	210	10	210								
10	62	31	47	5.7				18	0	0737	1723	FG BR UP	0.00s			29.13		0.6	8	070	5	160								
11	62*	31	47	5.9				18	0	0738	1723	SN FG FZFG BR	0.00s			29.15		0.7	11	210	7	270								
12	58	43	51	10.1				14	0	0739	1723	RA BR	0.28			29.02		1.8	12	280	7	280								
13	58	43	51	10.3				14	0	0739	1724	RA FG BR	0.02			29.08		1.7	14	060	7	070								
14	46	36	41	0.6				24	0	0740	1724	RA BR	0.89			29.07		3.7	23	320	13	340								
15	50	32	41	0.8				24	0	0741	1724		0.00			29.18		2.5	14	020	9	080								
16	43	38	41	0.9				24	0	0741	1725	RA BR	0.35			28.97		1.3	*		8	270								
17	40	33	37	-2.9				28	0	0742	1725		0.00			29.12		3.1	19	260	10	270								
18	44	26	35	-4.7				30	0	0743	1725		0.00			29.40		1.0	11	360	7	040								
19	46	25	36	-3.5				29	0	0743	1726	FZFG BR FG	0.00s			29.32		0.6	12	280	8	270								
20	46	39	43	3.6				22	0	0744	1726	RA BR	0.03			29.08		0.3	11	300	7	290								
21	53	33	43	3.8				22	0	0744	1727	RA SN BR	0.00s			29.02		4.0	26	210	14	210								
22	54	32	43	3.9				22	0	0745	1727		0.00			29.21		1.9	14	360	8	360								
23	60	28	44	5.1				21	0	0745	1728	RA	0.01			29.20		2.1	20	210	10	200								
24	58	26	42	3.2				23	0	0746	1729	RA SN FG FZFG BR	1.57			28.84		5.4	22	280	12	280								
25	26	18	22	-16.6				43	0	0746	1729	SN BR	T			29.01		5.1	23	300	14	290								
26	36	15*	26	-12.5				39	0	0746	1730		0.00			29.21		1.9	14	220	8	260								
27	49	20	35	-3.4				30	0	0747	1730		0.00			29.20		1.1	12	250	8	190								
28	54	33	44	5.7				21	0	0747	1731	RA	0.02			29.27		1.2	13	260	8	250								
29	51	30	41	2.8				24	0	0747	1732	SN	0.00s			29.42		2.3	14	060	9	070								
31	53	47	50	11.9				15	0	0748	1733	BR	0.01			29.13		3.1	14	080	8	060								
	49.4	30.8	40.1							Monthly Averages Totals			3.71			29.15	30.15	2.0												
	-0.2	-0.3	-0.2	Departure from Normal (1981-2010)									-1.15																	
Degree Days										Number of days with...																				
	Monthly				Season-to-date			Temperature						Precipitation			Snow		Weather											
	Total		Departure		Total		Departure		Max			Min																		
Heating	771		7		1286				>=90°			<=32°			<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog			
Cooling	0		0		1653				0			1			20		0		11		5									
Date of 5-sec to 3-sec wind equipment change									Sea Level Pressure						Greatest...															
2007-03-22									Maximum			30.55			Date		29		Time		1053		24-Hr... Precip			Snowfall			Snow Depth	
									Minimum			29.63			24		1256		1.58											
																								Date				23-24		
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
December 2020

Generated on 01/12/2021

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

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
31	0053	7	FEW:02 28 BKN:07 90 OVC:08 110	10.00		49	9.4	48	8.9	46	7.8	90	0	000		29.12	8	+0.03	30.09	FM-15		30.09
31	0153	7	BKN:07 65	10.00		48	8.9	47	8.3	45	7.2	89	3	VRB		29.10			30.08	FM-15		30.08
31	0253	7	FEW:02 11 OVC:08 60	10.00		48	8.9	47	8.3	45	7.2	89	3	240		29.10			30.08	FM-15		30.08
31	0339	4		10.00		49	9.4			46	7.8	90	5	VRB					FM-16		30.09	
31	0353	4		10.00		49	9.4			46	7.8	90	3	VRB			3	0.00	30.09	FM-15		30.09
31	0453	4		9.00		50	10.0			47	8.3	89	6	VRB					30.09	FM-15		30.09
31	0513	4		8.00		51	10.6			48	8.9	89	5	VRB						FM-16		30.09
31	0553	4		8.00		51	10.6			49	9.4	92	3	220					30.09	FM-15		30.09
31	0753	4		5.00		52	11.1			51	10.6	97	3	180					30.10	FM-15		30.10
31	0802	4		4.00		52	11.1			51	10.6	97	3	210						FM-16		30.10
31	0810	4		1.75		52	11.1			51	10.6	97	0	000						FM-16		30.11
31	0853	4		1.25		52	11.1			51	10.6	97	3	210					30.14	FM-15		30.13
31	0953	4		1.25		52	11.1			52	11.1	100	0	000			3	-0.05	30.16	FM-15	0.01	30.15
31	1053	4		1.75		53	11.7			52	11.1	96	0	000					30.17	FM-15		30.16
31	1148	4		2.00		52	11.1			52	11.1	100	0	000						FM-16		30.15
31	1153	4		2.00		52	11.1			52	11.1	100	0	000					30.16	FM-15		30.15
31	1253	4		2.00		52	11.1			52	11.1	100	3	130			8	+0.05	30.12	FM-15		30.11
31	1321	4		1.50		52	11.1			52	11.1	100	0	000						FM-16		30.10
31	1349	4		2.00		52	11.1			52	11.1	100	0	000						FM-16		30.10
31	1353	4		2.00		52	11.1			51	10.6	97	0	000					30.11	FM-15		30.10
31	1453	4		2.00		53	11.7			52	11.1	96	0	000					30.11	FM-15		30.10
31	1553	4		1.75		53	11.7			52	11.1	96	0	000			3	-0.02	30.13	FM-15		30.12
31	1632	4		3.00		52	11.1			51	10.6	97	5	VRB						FM-16		30.12
31	1644	4		4.00		51	10.6			50	10.0	96	6	050						FM-16		30.13
31	1653	4		7.00		50	10.0			49	9.4	96	8	VRB					30.14	FM-15		30.13
31	1744	4		10.00		49	9.4			47	8.3	93	5	080						FM-16		30.15
31	1753	4		10.00		48	8.9			47	8.3	96	5	070					30.16	FM-15		30.16
31	1853	4		10.00		47	8.3			46	7.8	97	5	VRB			3	-0.05	30.18	FM-15	T	30.17
31	1936	7	OVC:08 9	10.00		47	8.3	46	7.8	45	7.2	93	5	VRB		29.19				FM-16		30.17
31	1953	7	OVC:08 9	10.00		47	8.3	46	7.8	45	7.2	93	5	VRB		29.19			30.17	FM-15	0.00	30.17
31	2053	7	OVC:08 8	10.00		47	8.3	46	7.8	45	7.2	93	3	060		29.18			30.17	FM-15	0.00	30.16
31	2153	7	OVC:08 9	10.00		48	8.9	47	8.3	46	7.8	93	3	040		29.18	6	+0.01	30.16	FM-15	0.00	30.16
31	2216	7	SCT:04 9 OVC:08 23	10.00		48	8.9	47	8.3	46	7.8	93	5	VRB		29.18				FM-16		30.16
31	2253	7	SCT:04 10 OVC:08 55	10.00		49	9.4	48	8.9	47	8.3	93	3	040		29.18			30.17	FM-15	0.00	30.16
31	2313	7	BKN:07 9 OVC:08 50	10.00		49	9.4	48	8.9	47	8.3	93	5	VRB		29.18				FM-16		30.16
31	2353	7	BKN:07 7 OVC:08 49	10.00		50	10.0	49	9.4	48	8.9	93	5	050		29.18			30.17	FM-15	0.00	30.16

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 Remarks
December 2020
Generated on 01/12/2021

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

Date	Time (LST)	Remarks
31	0053	MET12712/31/20 00:53:02 METAR KOQT 310553Z 00000KT 10SM FEW028 BKN090 OVC110 09/08 A3009 RMK AO2 SLP188 T00940078 10128 20089 58010 \$
31	0153	MET09512/31/20 01:53:02 METAR KOQT 310653Z VRB03KT 10SM BKN065 09/07 A3008 RMK AO2 SLP185 T00890072 \$
31	0253	MET10212/31/20 02:53:02 METAR KOQT 310753Z 24003KT 10SM FEW011 OVC060 09/07 A3008 RMK AO2 SLP186 T00890072 \$
31	0339	MET083SPECI KOQT 310839Z AUTO VRB04KT 10SM BKN011 OVC060 09/08 A3009 RMK AO2 T00940078 \$=
31	0353	MET089METAR KOQT 310853Z AUTO VRB03KT 10SM OVC011 09/08 A3009 RMK AO2 SLP189 T00940078 53001 \$=
31	0453	MET082METAR KOQT 310953Z AUTO VRB05KT 9SM OVC010 10/08 A3009 RMK AO2 SLP188 T01000083 \$=
31	0513	MET075SPECI KOQT 311013Z AUTO VRB04KT 8SM OVC009 11/09 A3009 RMK AO2 T01060089 \$=
31	0553	MET082METAR KOQT 311053Z AUTO 22003KT 8SM OVC007 11/09 A3009 RMK AO2 SLP190 T01060094 \$=
31	0753	MET085METAR KOQT 311253Z AUTO 18003KT 5SM BR OVC005 11/11 A3010 RMK AO2 SLP194 T01110106 \$=
31	0802	MET078SPECI KOQT 311302Z AUTO 21003KT 4SM BR OVC004 11/11 A3010 RMK AO2 T01110106 \$=
31	0810	MET082SPECI KOQT 311310Z AUTO 00000KT 1 3/4SM BR OVC004 11/11 A3011 RMK AO2 T01110106 \$=
31	0853	MET089METAR KOQT 311353Z AUTO 21003KT 1 1/4SM BR OVC003 11/11 A3013 RMK AO2 SLP205 T01110106 \$=
31	0953	MET116METAR KOQT 311453Z AUTO 00000KT 1 1/4SM BR OVC004 11/11 A3015 RMK AO2 RAB07E20 SLP213 P0001 60001 T01110111 53018 \$=
31	1053	MET089METAR KOQT 311553Z AUTO 00000KT 1 3/4SM BR OVC004 12/11 A3016 RMK AO2 SLP216 T01170111 \$=
31	1148	MET068SPECI KOQT 311648Z AUTO 00000KT 2SM BR OVC003 11/11 A3015 RMK AO2 \$=
31	1153	MET085METAR KOQT 311653Z AUTO 00000KT 2SM BR OVC003 11/11 A3015 RMK AO2 SLP213 T01110111 \$=
31	1253	MET116METAR KOQT 311753Z AUTO 13003KT 2SM BR OVC003 11/11 A3011 RMK AO2 PRESFR SLP200 60001 T01110111 10117 20106 58016 \$=
31	1321	MET082SPECI KOQT 311821Z AUTO 00000KT 1 1/2SM BR OVC003 11/11 A3010 RMK AO2 T01110111 \$=
31	1349	MET068SPECI KOQT 311849Z AUTO 00000KT 2SM BR OVC002 11/11 A3010 RMK AO2 \$=
31	1353	MET085METAR KOQT 311853Z AUTO 00000KT 2SM BR OVC002 11/11 A3010 RMK AO2 SLP196 T01110106 \$=
31	1453	MET085METAR KOQT 311953Z AUTO 00000KT 2SM BR OVC003 12/11 A3010 RMK AO2 SLP195 T01170111 \$=
31	1553	MET095METAR KOQT 312053Z AUTO 00000KT 1 3/4SM BR OVC003 12/11 A3012 RMK AO2 SLP203 T01170111 53007 \$=
31	1632	MET097SPECI KOQT 312132Z AUTO VRB04KT 3SM BR BKN002 OVC008 11/11 A3012 RMK AO2 CIG 002V006 T01110106 \$=
31	1644	MET085SPECI KOQT 312144Z AUTO 05005KT 4SM BR BKN006 OVC010 11/10 A3013 RMK AO2 T01060100 \$=
31	1653	MET090METAR KOQT 312153Z AUTO 06007KT 020V090 7SM OVC008 10/09 A3013 RMK AO2 SLP205 T01000094 \$=
31	1744	MET090SPECI KOQT 312244Z AUTO 08004KT 10SM SCT005 BKN010 OVC021 09/08 A3015 RMK AO2 T00940083 \$=
31	1753	MET109METAR KOQT 312253Z AUTO 07004KT 10SM FEW006 BKN010 OVC015 09/08 A3016 RMK AO2 CIG 009V014 SLP214 T00890083 \$=
31	1853	MET122METAR KOQT 312353Z AUTO VRB04KT 10SM OVC010 08/08 A3017 RMK AO2 RAB25E42 SLP221 P0000 60000 T00830078 10117 20083 53017 \$=
31	1936	MET08812/31/20 19:36:03 SPECI KOQT 010036Z VRB04KT 10SM OVC009 08/07 A3017 RMK AO2 T00830072 \$
31	1953	MET09512/31/20 19:53:03 METAR KOQT 010053Z VRB04KT 10SM OVC009 08/07 A3017 RMK AO2 SLP218 T00830072 \$
31	2053	MET09512/31/20 20:53:03 METAR KOQT 010153Z 06003KT 10SM OVC008 08/07 A3016 RMK AO2 SLP216 T00830072 \$
31	2153	MET10112/31/20 21:53:03 METAR KOQT 010253Z 04003KT 10SM OVC009 09/08 A3016 RMK AO2 SLP215 T00890078 56005 \$
31	2216	MET09512/31/20 22:16:03 SPECI KOQT 010316Z VRB04KT 10SM SCT009 OVC023 09/08 A3016 RMK AO2 T00890078 \$
31	2253	MET10212/31/20 22:53:03 METAR KOQT 010353Z 04003KT 10SM SCT010 OVC055 09/08 A3016 RMK AO2 SLP216 T00940083 \$
31	2313	MET09512/31/20 23:13:03 SPECI KOQT 010413Z VRB04KT 10SM BKN009 OVC050 09/08 A3016 RMK AO2 T00940083 \$
31	2353	MET11612/31/20 23:53:03 METAR KOQT 010453Z 05004KT 10SM BKN007 OVC049 10/09 A3016 RMK AO2 SLP216 T01000089 401170083 \$ RTX

Local Climatological Data
Hourly Precipitation
December 2020
Generated on 01/12/2021

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		T	T															01	
02																									02	
03				T		T	T	T																	03	
04		T	T				T	0.01	0.02	0.01	0.03	0.03	0.13	0.16	0.03	0.07	T	0.02	T				T	T	04	
05																								T	05	
06		T	T	T																			0.02	T	06	
07																									07	
08																									08	
09																									09	
10				T		T																			10	
11			T		T	T	T		T																11	
12					T	T						T	T	T	0.05	0.08	0.06	0.07	0.02	T					12	
13																								0.02	13	
14	0.10	0.03	0.15	0.24	0.18	0.10	T	0.07	0.02	T															14	
15																									15	
16			T	T		T	0.01	0.01	T		T	0.04	0.10	0.03	0.05	0.04	0.05	0.01	0.01	T					16	
17																									17	
18																									18	
19						T																			19	
20				0.01s	0.01	0.01	T	T	T																20	
21		T					T	T																	21	
22																									22	
23								T	T													T	T		0.01	23
24	T	T	T	0.01s	0.08	0.24	0.25	0.18	0.18	0.08	0.04	0.02	0.07	0.06	0.17	0.11	0.07	0.01	T	T	T		T	T	24	
25	T	T						T	T							T	T	T							25	
26																									26	
27																									27	
28						0.01	0.01	T																	28	
29			T			T	T																		29	
30	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	30	
31	M	M	M	M	M	M	M	M	M	M	0.01	M	M	M	M	M	M	M	T						31	
Maximum Short Duration Precipitation																										
Time Period (Minutes)				5		10		15		20		30		45		60		80		100		120		150		180
Precipitation (inches)				0.04		0.07		0.10		0.12		0.18		0.23		0.29		0.38		0.45		0.50		0.58		0.68
Ending Date Time (yyyy-mm-dd hh:mi)				2020-12-24 06:27		2020-12-24 06:29		2020-12-24 06:29		2020-12-24 06:32		2020-12-24 06:29		2020-12-24 06:37		2020-12-24 06:32		2020-12-24 06:29		2020-12-24 06:37		2020-12-24 06:57		2020-12-24 07:46		2020-12-24 07:54

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