

**Local Climatological Data**  
**Daily Summary**  
**November 2020**

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

Generated on 12/04/2020

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	66	42	54	0.0				11	0	0700	1740	RA	T			29.21		7.5	30	290	17	290		
02	53	32	43	-10.7				22	0	0701	1739		0.00			29.41		2.0	17	320	10	310		
03	62	31	47	-6.3				18	0	0702	1738		0.00			29.35		0.6	11	140	7	150		
04	69	35	52	-1.0				13	0	0703	1737	FG BR	0.00s			29.40		0.7	10	250	7	270		
05	66	38	52	-0.6				13	0	0704	1736	RA FG BR	0.00s			29.41		0.3	11	260	7	280		
06	72	42	57	4.7				8	0	0705	1736	RA FG BR	0.00s			29.35		0.6	11	080	6	080		
07	76	43	60	8.1				5	0	0706	1735		0.00			29.30		1.2	15	080	9	080		
08	79	50	65	13.4				0	0	0707	1734	RA	0.00s			29.30		1.1	15	060	8	080		
09	80	52	66	14.8				0	1	0708	1733		0.00s			29.25		0.9	14	070	7	070		
10	80*	51	66	15.1				0	1	0709	1732	RA BR	0.02			29.10		0.8	12	220	7	150		
11	72	59	66	15.5				0	1	0710	1732	RA BR	1.95			28.98		0.9	13	010	7	080		
12	67	51	59	8.8				6	0	0711	1731		0.00			29.01		1.8	12	090	7	070		
13	68	42	55	5.2				10	0	0712	1730	RA BR	0.00s			29.13		1.0	19	260	10	280		
14	68	39	54	4.6				11	0	0713	1729		0.00			29.17		0.7	13	200	8	210		
15	65	44	55	5.9				10	0	0714	1729	RA BR	0.13			29.04		4.9	33	280	18	270		
16	60	34	47	-1.7				18	0	0715	1728		0.00			29.28		1.2	12	240	7	260		
17	57	34	46	-2.4				19	0	0716	1728		0.00			29.36		3.8	23	310	12	340		
18	54	32	43	-5.0				22	0	0717	1727		0.00			29.57		1.9	15	050	8	100		
19	62	31*	47	-0.7				18	0	0718	1727		0.00			29.52		2.3	16	270	9	260		
20	67	42	55	7.7				10	0	0719	1726		0.00			29.49		2.1	15	270	9	260		
21	68	38	53	6.0				12	0	0720	1726	RA FG BR	0.00s			29.41		0.7	9	070	6	100		
22	66	43	55	8.4				10	0	0721	1725	RA BR	0.18			29.21		2.2	18	210	10	270		
23	54	36	45	-1.3				20	0	0722	1725		0.00			29.32		3.3	21	010	10	070		
24	60	35	48	2.0				17	0	0723	1724		0.00s			29.28		1.6	18	220	9	200		
25	58	42	50	4.4				15	0	0724	1724	RA BR	0.15			29.12		1.2	14	210	8	260		
26	67	45	56	10.7				9	0	0725	1724	BR	0.00			29.09		1.8	14	230	8	210		
27	64	38	51	6.0				14	0	0726	1723	RA SN FG BR	0.00s			29.14		0.2	8	190	5	220		
28	61	40	51	6.3				14	0	0727	1723		0.00			29.15		2.0	16	090	9	090		
29										0728	1723	RA BR												
30										0729	1723	RA BR												
<b>Monthly Averages   Totals</b>																								
<b>Departure from Normal (1981-2010)</b>																								
<b>Degree Days</b>											<b>Number of days with...</b>													
<b>Monthly</b>					<b>Season-to-date</b>						<b>Temperature</b>				<b>Precipitation</b>		<b>Snow</b>		<b>Weather</b>					
<b>Total</b>		<b>Departure</b>			<b>Total</b>		<b>Departure</b>				<b>Max</b>		<b>Min</b>		<b>&gt;=0.01"</b>		<b>&gt;=0.1"</b>		<b>&gt;=1"</b>		<b>T-Storms</b>		<b>Heavy Fog</b>	
<b>Heating</b>											<b>&gt;=90°</b>		<b>&lt;=32°</b>		<b>&lt;=32°</b>		<b>&lt;=0°</b>							
<b>Cooling</b>																								
<b>Date of 5-sec to 3-sec wind equipment change</b>								<b>Sea Level Pressure</b>								<b>Greatest...</b>								
N/A								<b>Maximum</b>				<b>Date</b>				<b>Time</b>			<b>24-Hr...</b>				<b>Snow Depth</b>	
								<b>Minimum</b>											<b>Precip</b>		<b>Snowfall</b>			
<b>Date</b>																								
<b>Station Augmentation</b>																								
Name: N/A Lat: N/A Lon: N/A Elevation: N/A Distance: N/A Elements: N/A Equipment: N/A																								

**Local Climatological Data**  
**Hourly Observations**  
**November 2020**

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

Generated on 12/04/2020

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

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)											
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 34	10.00		55	12.8	50	10.0	46	7.8	72	6	VRB		29.23	6	+0.04	30.20	FM-15	0.00	30.21
01	0131	7	OVC:08 29	10.00		55	12.8	50	10.0	46	7.8	72	5	250		29.22				FM-16		30.20
01	0153	7	OVC:08 27	10.00		55	12.8	51	10.6	47	8.3	74	5	210		29.22			30.19	FM-15	0.00	30.20
01	0253	7	BKN:07 25 OVC:08 34	10.00		55	12.8	51	10.6	47	8.3	74	0	000		29.22			30.19	FM-15	0.00	30.20
01	0353	7	OVC:08 26	10.00		55	12.8	51	10.6	48	8.9	77	0	000		29.21	8	+0.01	30.18	FM-15	0.00	30.19
01	0453	7	OVC:08 20	10.00	-RA:02  RA  RA	54	12.2	52	11.1	51	10.6	90	5	VRB		29.21			30.19	FM-15	T	30.19
01	0512	7	SCT:04 21 BKN:07 70	10.00		54	12.2	52	11.1	51	10.6	90	0	000		29.20				FM-16	T	30.18
01	0553	6	BKN:07 60	10.00		54	12.2	52	11.1	51	10.6	90				29.19			30.17	FM-15	0.00	30.17
01	0653	6	BKN:07 40 BKN:07 55	10.00		55	12.8	52	11.1	50	10.0	83				29.19	8	+0.02	30.17	FM-15	0.00	30.17
01	0753	7	FEW:02 18 SCT:04 32 BKN:07 41	10.00		55	12.8	52	11.1	50	10.0	83	3	VRB		29.20			30.18	FM-15	0.00	30.18
01	0809	7	BKN:07 18 BKN:07 32 BKN:07 55	10.00		56	13.3	53	11.7	50	10.0	81	3	VRB		29.20				FM-16		30.18
01	0851	6	SCT:04 15 BKN:07 43	10.00		57	13.9	53	11.7	50	10.0	77	6	VRB		29.20				FM-16		30.18
01	0853	7	SCT:04 15 BKN:07 43	10.00		57	13.9	53	11.7	50	10.0	78	7	VRB		29.20			30.18	FM-15	0.00	30.18
01	0953	7	FEW:02 26 SCT:04 31 SCT:04 47	10.00		60	15.6	55	12.8	50	10.0	70	8	VRB		29.19	0	0.00	30.17	FM-15	0.00	30.17
01	1053	7	SCT:04 30 BKN:07 39	10.00		63	17.2	55	12.8	48	8.9	58	6	VRB		29.18			30.15	FM-15	0.00	30.16
01	1153	7	FEW:02 48	10.00		65	18.3	54	12.2	45	7.2	49	3	VRB		29.16			30.13	FM-15	0.00	30.14
01	1253	7	CLR:00	10.00		65	18.3	54	12.2	45	7.2	49	15	280	30	29.16	6	+0.04	30.12	FM-15	0.00	30.14
01	1353	7	CLR:00	10.00		65	18.3	52	11.1	39	3.9	39	15	270	29	29.14			30.11	FM-15	0.00	30.12
01	1453	7	CLR:00	10.00		65	18.3	50	10.0	34	1.1	32	10	VRB	25	29.14			30.10	FM-15	0.00	30.12
01	1553	7	CLR:00	10.00		63	17.2	48	8.9	30	-1.1	29	16	290	29	29.15	5	0.00	30.12	FM-15	0.00	30.13
01	1653	7	CLR:00	10.00		59	15.0	44	6.7	22	-5.6	24	10	VRB	21	29.19			30.17	FM-15	0.00	30.17
01	1753	6	CLR:00	10.00		56	13.3	41	5.0	19	-7.2	24				29.23			30.20	FM-15	0.00	30.21
01	1853	7	CLR:00	10.00		54	12.2	39	3.9	14	-10.0	20	8	VRB	18	29.27	3	-0.12	30.25	FM-15	0.00	30.25
01	1953	7	CLR:00	10.00		51	10.6	38	3.3	17	-8.3	26	7	300	20	29.31			30.29	FM-15	0.00	30.29
01	2053	7	CLR:00	10.00		49	9.4	36	2.2	12	-11.1	22	10	340	22	29.34			30.32	FM-15	0.00	30.32
01	2153	7	CLR:00	10.00		47	8.3	35	1.7	14	-10.0	26	3	VRB		29.36	1	-0.09	30.34	FM-15	0.00	30.34
01	2253	7	CLR:00	10.00		44	6.7	34	1.1	18	-7.8	35	8	360		29.38			30.37	FM-15	0.00	30.36
01	2353	7	CLR:00	10.00		43	6.1	34	1.1	18	-7.8	37	11	010	23	29.40			30.38	FM-15	0.00	30.38

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**  
**November 2020**

Generated on 12/04/2020

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

Date	Time (LST)	Remarks
01	0053	MET11311/01/20 00:53:02 METAR KOQT 010553Z VRB05KT 10SM OVC034 13/08 A3021 RMK AO2 SLP227 T01280078 10128 20094 56012 \$
01	0131	MET08811/01/20 01:31:02 SPECI KOQT 010631Z 25004KT 10SM OVC029 13/08 A3020 RMK AO2 T01280078 \$
01	0153	MET09911/01/20 01:53:02 METAR KOQT 010653Z 21004KT 10SM OVC027 13/08 A3020 RMK AO2 SLP225 T01280083 \$ RTX
01	0253	MET10611/01/20 02:53:02 METAR KOQT 010753Z 00000KT 10SM BKN025 OVC034 13/08 A3020 RMK AO2 SLP222 T01280083 \$ RTX
01	0353	MET10111/01/20 03:53:02 METAR KOQT 010853Z 00000KT 10SM OVC026 13/09 A3019 RMK AO2 SLP220 T01280089 58004 \$
01	0453	MET11111/01/20 04:53:02 METAR KOQT 010953Z VRB04KT 10SM -RA OVC020 12/11 A3019 RMK AO2 RAB20 SLP222 P0000 T01220106 \$
01	0512	MET10911/01/20 05:12:02 SPECI KOQT 011012Z 00000KT 10SM SCT021 BKN070 12/11 A3018 RMK AO2 RAE0958 P0000 T01220106 \$
01	0553	MET10911/01/20 05:53:02 METAR KOQT 011053Z KT 10SM BKN060 12/11 A3017 RMK AO2 RAE0958 SLP216 P0000 T01220106 \$
01	0653	MET13011/01/20 06:53:02 METAR KOQT 011153Z KT 10SM BKN040 BKN055 13/10 A3017 RMK AO2 SLP218 60000 T01280100 10128 20122 58006 \$ RTX
01	0753	MET10911/01/20 07:53:02 METAR KOQT 011253Z VRB03KT 10SM FEW018 SCT032 BKN041 13/10 A3018 RMK AO2 SLP220 T01280100 \$
01	0809	MET10211/01/20 08:09:02 SPECI KOQT 011309Z VRB03KT 10SM BKN018 BKN032 BKN055 13/10 A3018 RMK AO2 T01330100 \$
01	0851	MET09011/01/20 08:51:02 SPECI KOQT 011351Z VRB05KT 10SM SCT015 BKN043 14/10 A3018 RMK AO2 \$ FIBI
01	0853	MET10211/01/20 08:53:02 METAR KOQT 011353Z VRB06KT 10SM SCT015 BKN043 14/10 A3018 RMK AO2 SLP220 T01390100 \$
01	0953	MET11511/01/20 09:53:02 METAR KOQT 011453Z 23007KT 10SM FEW026 SCT031 SCT047 16/10 A3017 RMK AO2 SLP217 T01560100 50000 \$
01	1053	MET10211/01/20 10:53:02 METAR KOQT 011553Z VRB05KT 10SM SCT030 BKN039 17/09 A3016 RMK AO2 SLP210 T01720089 \$
01	1153	MET09911/01/20 11:53:02 METAR KOQT 011653Z VRB03KT 10SM FEW048 18/07 A3014 RMK AO2 SLP204 T01830072 \$ RTX
01	1253	MET13511/01/20 12:53:02 METAR KOQT 011753Z 28013G26KT 10SM CLR 18/07 A3014 RMK AO2 PK WND 29026/1753 SLP201 T01830072 10189 20128 56012 \$ RTX
01	1353	MET09511/01/20 13:53:02 METAR KOQT 011853Z 27013G25KT 10SM CLR 18/04 A3012 RMK AO2 SLP195 T01830039 \$
01	1453	MET09511/01/20 14:53:02 METAR KOQT 011953Z 27009G22KT 10SM CLR 18/01 A3012 RMK AO2 SLP194 T01830011 \$
01	1553	MET10211/01/20 15:53:02 METAR KOQT 012053Z 29014G25KT 10SM CLR 17/M01 A3013 RMK AO2 SLP200 T01721011 55001 \$
01	1653	MET10011/01/20 16:53:02 METAR KOQT 012153Z 28009G18KT 10SM CLR 15/M06 A3017 RMK AO2 SLP216 T01501056 \$ RTX
01	1753	MET09711/01/20 17:53:02 METAR KOQT 012253Z KT 10SM CLR 13/M07 A3021 RMK AO2 SLP228 T01331072 \$ RTX
01	1853	MET11411/01/20 18:53:02 METAR KOQT 012353Z 31007G16KT 10SM CLR 12/M10 A3025 RMK AO2 SLP243 T01221100 10183 20122 53039 \$
01	1953	MET09611/01/20 19:53:01 METAR KOQT 020053Z 30006G17KT 10SM CLR 11/M08 A3029 RMK AO2 SLP257 T01061083 \$
01	2053	MET09611/01/20 20:53:01 METAR KOQT 020153Z 34009G19KT 10SM CLR 09/M11 A3032 RMK AO2 SLP267 T00941111 \$
01	2153	MET09911/01/20 21:53:01 METAR KOQT 020253Z VRB03KT 10SM CLR 08/M10 A3034 RMK AO2 SLP275 T00831100 51030 \$
01	2253	MET09311/01/20 22:53:01 METAR KOQT 020353Z 36007KT 10SM CLR 07/M08 A3036 RMK AO2 SLP283 T00671078 \$
01	2353	MET10611/01/20 23:53:02 METAR KOQT 020453Z 01010G20KT 10SM CLR 06/M08 A3038 RMK AO2 SLP287 T00611078 401890061 \$

**Local Climatological Data**  
**Hourly Precipitation**  
**November 2020**

Generated on 12/04/2020

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																				01	
02																										02
03																										03
04								T	T	T																04
05								T	T	T																05
06								T	T	T																06
07																										07
08								T	T																	08
09								T	T	T																09
10								T																		10
11	T	T	0.01		T	0.01	0.03	0.03	T	0.01	T	T	0.02	0.11	0.33	0.43	0.61	0.08	0.06	T	T	T		0.02	11	
12																										12
13								T	T																	13
14																										14
15										T	0.02	T	0.11	T												15
16																										16
17																										17
18																										18
19																										19
20																										20
21								T	T																	21
22																				T	T	T	0.09	0.08	0.01	22
23																										23
24									T																	24
25													T	T	0.05	0.09	0.01	T								25
26																										26
27	T																									27
28																										28
29	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0.02	0.03	0.07	0.01	T	29
30	0.08	0.10	0.10	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	30

**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  
 \$ = Suspect  
 \* = Erroneous  
 blank = No precipitation observed  
 M = Missing