

Local Climatological Data  
Daily Summary  
November 2017  
Generated on 12/06/2017

Date	Temperature (F)							Degree Days (base 65F)		Sun (LST)		Weather Weather Type	Precipitation (in)			Pressure (inHg)		Wind Avg Speed	Maximum Wind Speed = MPH Direction = Degrees									
	Max	Min	Avg	Dep	ARH	ADP	AWB	Heat	Cool	Rise	Set		TLC	Snow Fall	Snow Depth	Avg Stn	Avg SL		Peak Speed	Peak Dir	Sust. Speed	Sust. Dir						
																							13	14	15	16	17	18
01	63	42	52	-2.0				13	0	0659	1741	RA	T			29.15		0.1	9	260	6	250						
02	70	52	61	7.3				4	0	0700	1740		T			29.18		1.0	11	210	7	280						
03	70	62	66	12.7				0	1	0701	1739	RA BR	0.44			29.19		0.6	17	330	12	320						
04	73	59	66	13.0				0	1	0702	1738	FG BR	0.00			29.13		0.4	8	260	6	260						
05	76*	58	67	14.4				0	2	0703	1737	RA BR	0.11			29.08		3.3	18	210	10	210						
06	75	62	68	15.7				0	3	0704	1736	RA BR	0.11			29.08		1.4	14	190	10	190						
07	71	51	61	9.1				4	0	0705	1736	RA BR	1.26			29.03		2.3	15	290	9	270						
08	53	48	50	-1.6				15	0	0706	1735		0.00			29.13		3.3	14	080	10	080						
09	62	41	52	0.8				13	0	0707	1734	BR	T			29.15		1.3	12	070	10	090						
10	52	39	46	-4.9				19	0	0708	1733		0.00			29.31		3.6	18	080	13	080						
11	58	32	45	-5.5				20	0	0709	1732	BR HZ	0.00			29.38		1.8	9	140	7	190						
12	56	45	50	-0.2				15	0	0710	1732	HZ	T			29.35		1.6	10	260	7	180						
13	53	45	49	-0.8				16	0	0711	1731		0.00			29.39		3.3	18	070	13	070						
14	58	38	48	-1.4				17	0	0712	1730		0.00			29.31		0.9	11	040	7	080						
15	57	34	46	-3.1				19	0	0713	1729	RA FG BR	0.02			29.18		1.3	15	280	10	280						
16	64	41	52	3.3				13	0	0714	1729	BR	0.00s			29.15		0.9	10	270	7	150						
17	64	37	50	1.6				15	0	0715	1728		T			29.18		1.9	10	080	7	260						
18	66	48	57	9.0				8	0	0716	1728	RA BR	0.51			28.84		6.4	38	280	22	260						
19	49	32	40	-7.7				25	0	0717	1727		T			29.05		3.1	21	290	13	280						
20	52	27	40	-7.3				25	0	0718	1727	SN FZFG BR UP FG	0.00s			29.24		0.7	8	090	6	080						
21	59	32	46	-1.0				19	0	0719	1726		0.00			29.11		2.0	14	280	9	270						
22	53	35	44	-2.6				21	0	0720	1726		T			29.16		3.0	18	080	12	070						
23	56	30	43	-3.3				22	0	0721	1725		0.00			29.13		0.6	9	010	6	220						
24	60	30	45	-1.0				20	0	0722	1725	FZRA FG FZFG BR UP	0.00s			29.03		1.6	12	270	8	250						
25	65	39	52	6.4				13	0	0723	1724		0.00			28.99		2.7	15	330	10	210						
26	59	32	46	0.7				19	0	0724	1724		0.00s			29.21		1.1	18	330	13	340						
27	61	27*	44	-1.0				21	0	0725	1724		0.00s			29.24		0.8	10	050	7	070						
28	63	29	46	1.3				19	0	0726	1723	SN FZFG BR UP FG	0.00s			29.28		1.8	13	280	9	260						
29	66	34	50	5.7				15	0	0727	1723		0.00			29.31		0.4	8	060	6	120						
30	57	37	47	3.0				18	0	0728	1723	RA BR	0.07			29.19		0.3	7	160	5	200						
	61.4	40.6	51.0									<b>Monthly Averages   Totals</b>	2.52			29.17	30.16	1.8										
	1.8	2.3	2.1									<b>Departure from Normal (1981-2010)</b>	-1.97															
<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>								
Heating		427		-56		622		>=90°		<=32°		<=32°		<=0°		7		5										
Cooling		7		5		1584		0		0		9		0														
<b>Date of 5-sec to 3-sec wind equipment change</b>								<b>Sea Level Pressure</b>					<b>Greatest...</b>															
2007-03-22								<b>Maximum</b>		30.46		<b>Date</b>		11		<b>Time</b>		0951		<b>24-Hr...</b>		<b>Precip</b>		<b>Snowfall</b>		<b>Snow Depth</b>		
								<b>Minimum</b>		29.46				18		2013												
<b>Station Augmentation</b>															06-07													
Name:OAK RIDGE ATDD, TN Lat: 35.998 Lon: -84.2192 Elevation: 1019ft 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 53868

### Local Climatological Data Hourly Observations November 2017

Generated on 12/06/2017

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
01	0053	7	SCT:04 95	10.00		43	6.1	43	5.9	42	5.6	97	0	000		29.14		+0.02	30.13	FM-15	0.00	30.12
01	0153	7	OVC:08 100	10.00		44	6.7	44	6.4	43	6.1	96	0	000		29.15			30.13	FM-15	0.00	30.13
01	0253	7	SCT:04 110	10.00		43	6.1	43	5.9	42	5.6	97	0	000		29.14			30.12	FM-15	0.00	30.12
01	0353	7	FEW:02 110	10.00		43	6.1	43	6.1	43	6.1	100	0	000		29.13	8	+0.01	30.11	FM-15	0.00	30.11
01	0453	7	CLR:00	10.00		44	6.7	44	6.7	44	6.7	100	0	000		29.15			30.13	FM-15	0.00	30.13
01	0553	7	BKN:07 90	10.00		44	6.7	44	6.7	44	6.7	100	0	000		29.16			30.15	FM-15	0.00	30.14
01	0653	7	FEW:02 120	10.00		45	7.2	45	7.0	44	6.7	97	0	000		29.16	1	-0.03	30.15	FM-15	0.00	30.14
01	0753	7	SCT:04 100 SCT:04 120	10.00		46	7.8	46	7.5	45	7.2	96	0	000		29.19			30.18	FM-15	0.00	30.17
01	0853	7	OVC:08 90	10.00		47	8.3	47	8.1	46	7.8	97	0	000		29.21			30.20	FM-15	0.00	30.19
01	0953	7	BKN:07 46 BKN:07 90 OVC:08 110	10.00		50	10.0	48	8.9	46	7.8	86	0	000		29.21	1	-0.05	30.21	FM-15	T	30.19
01	1053	7	FEW:02 46 OVC:08 80	10.00		53	11.7	49	9.7	46	7.8	77	0	000		29.20			30.19	FM-15	0.00	30.18
01	1153	7	BKN:07 50 OVC:08 80	10.00		57	13.9	52	11.0	47	8.3	69	0	000		29.19			30.18	FM-15	0.00	30.17
01	1253	7	OVC:08 95	10.00		59	15.0	54	12.0	49	9.4	69	0	000		29.16	8	+0.05	30.14	FM-15	0.00	30.14
01	1353	7	OVC:08 90	10.00		60	15.6	55	12.5	50	10.0	70	3	VRB		29.15			30.14	FM-15	0.00	30.13
01	1453	7	BKN:07 90	10.00		62	16.7	56	13.3	51	10.6	67	0	000		29.14			30.12	FM-15	0.00	30.12
01	1553	7	SCT:04 120	10.00		62	16.7	56	13.6	52	11.1	70	0	000		29.14	6	+0.02	30.12	FM-15	0.00	30.12
01	1653	7	FEW:02 100	10.00		61	16.1	57	13.6	53	11.7	75	0	000		29.14			30.12	FM-15	0.00	30.12
01	1753	7	CLR:00	10.00		58	14.4	56	13.2	54	12.2	87	0	000		29.13			30.11	FM-15	0.00	30.11
01	1853	7	CLR:00	10.00		57	13.9	55	13.0	54	12.2	90	0	000		29.13	8	+0.01	30.11	FM-15	0.00	30.10
01	1953	7	SCT:04 95 SCT:04 120	10.00		56	13.3	55	12.7	54	12.2	93	0	000		29.13			30.12	FM-15	0.00	30.11
01	2053	7	BKN:07 95	10.00		56	13.3	55	12.7	54	12.2	93	0	000		29.14			30.13	FM-15	0.00	30.12
01	2153	7	FEW:02 70 SCT:04 95 SCT:04 120	10.00		55	12.8	54	12.5	54	12.2	96	0	000		29.16	3	-0.03	30.14	FM-15	0.00	30.14
01	2253	7	CLR:00	10.00		53	11.7	53	11.7	53	11.7	100	0	000		29.16			30.14	FM-15	0.00	30.14
01	2353	7	FEW:02 50 BKN:07 110	10.00	-RA  RA	53	11.7	53	11.7	53	11.7	100	0	000		29.17			30.15	FM-15	T	30.15

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 53868**

**Local Climatological Data**  
**Hourly Remarks**  
**November 2017**  
 Generated on 12/06/2017

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

Date	Time (LST)	Remarks
01	0053	MET11111/01/17 00:53:02 METAR KOQT 010553Z 00000KT 10SM SCT095 06/06 A3012 RMK AO2 SLP202 T00610056 10100 20056 58008
01	0153	MET09311/01/17 01:53:02 METAR KOQT 010653Z 00000KT 10SM OVC100 07/06 A3013 RMK AO2 SLP203 T00670061
01	0253	MET09311/01/17 02:53:02 METAR KOQT 010753Z 00000KT 10SM SCT110 06/06 A3012 RMK AO2 SLP201 T00610056
01	0353	MET09911/01/17 03:53:02 METAR KOQT 010853Z 00000KT 10SM FEW110 06/06 A3011 RMK AO2 SLP196 T00610061 58004
01	0453	MET09011/01/17 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 07/07 A3013 RMK AO2 SLP203 T00670067
01	0553	MET09711/01/17 05:53:02 METAR KOQT 011053Z 00000KT 10SM BKN090 07/07 A3014 RMK AO2 SLP209 T00670067 RTX
01	0653	MET11111/01/17 06:53:02 METAR KOQT 011153Z 00000KT 10SM FEW120 07/07 A3014 RMK AO2 SLP210 T00720067 10072 20056 51009
01	0753	MET10011/01/17 07:53:02 METAR KOQT 011253Z 00000KT 10SM SCT100 SCT120 08/07 A3017 RMK AO2 SLP221 T00780072
01	0853	MET09311/01/17 08:53:02 METAR KOQT 011353Z 00000KT 10SM OVC090 08/08 A3019 RMK AO2 SLP227 T00830078
01	0953	MET13411/01/17 09:53:02 METAR KOQT 011453Z 00000KT 10SM BKN046 BKN090 OVC110 10/08 A3019 RMK AO2 RAB44E53 SLP229 P0000 60000 T01000078 51017
01	1053	MET10011/01/17 10:53:02 METAR KOQT 011553Z 00000KT 10SM FEW046 OVC080 12/08 A3018 RMK AO2 SLP225 T01170078
01	1153	MET10011/01/17 11:53:02 METAR KOQT 011653Z 00000KT 10SM BKN050 OVC080 14/08 A3017 RMK AO2 SLP219 T01390083
01	1253	MET11711/01/17 12:53:02 METAR KOQT 011753Z 00000KT 10SM OVC095 15/09 A3014 RMK AO2 SLP208 60000 T01500094 10150 20072 58017
01	1353	MET09311/01/17 13:53:02 METAR KOQT 011853Z VRB03KT 10SM OVC090 16/10 A3013 RMK AO2 SLP205 T01560100
01	1453	MET09311/01/17 14:53:02 METAR KOQT 011953Z 00000KT 10SM BKN090 17/11 A3012 RMK AO2 SLP201 T01670106
01	1553	MET09911/01/17 15:53:02 METAR KOQT 012053Z 00000KT 10SM SCT120 17/11 A3012 RMK AO2 SLP200 T01670111 56007
01	1653	MET09311/01/17 16:53:02 METAR KOQT 012153Z 00000KT 10SM FEW100 16/12 A3012 RMK AO2 SLP199 T01610117
01	1753	MET09011/01/17 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 14/12 A3011 RMK AO2 SLP197 T01440122
01	1853	MET10811/01/17 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 14/12 A3010 RMK AO2 SLP197 T01390122 10172 20139 58005
01	1953	MET10011/01/17 19:53:01 METAR KOQT 020053Z 00000KT 10SM SCT095 SCT120 13/12 A3011 RMK AO2 SLP200 T01330122
01	2053	MET09311/01/17 20:53:02 METAR KOQT 020153Z 00000KT 10SM BKN095 13/12 A3012 RMK AO2 SLP202 T01330122
01	2153	MET11311/01/17 21:53:02 METAR KOQT 020253Z 00000KT 10SM FEW070 SCT095 SCT120 13/12 A3014 RMK AO2 SLP206 T01280122 53011
01	2253	MET09011/01/17 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 12/12 A3014 RMK AO2 SLP208 T01170117
01	2353	MET12611/01/17 23:53:02 METAR KOQT 020453Z 00000KT 10SM -RA FEW050 BKN110 12/12 A3015 RMK AO2 RAB35 SLP210 P0000 T01170117 401720056

**Local Climatological Data**  
**Hourly Precipitation**  
**November 2017**

Generated on 12/06/2017

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	01	
02	T			T																						02
03		T	0.12	0.03	0.04	T		0.01	0.01			T	T		T	0.23										03
04																										04
05					T		0.04s	0.06	0.01	T	T	T														05
06							0.02	0.07	0.01															0.01		06
07	0.02	0.04	0.13	0.20	0.20	0.11	0.14	0.17	0.25	T																07
08																										08
09						T																				09
10																										10
11																										11
12						T		T																		12
13																										13
14																										14
15			T	T	T	T	T	T	T	T						T	T	T	0.02							15
16									T																	16
17									T																	17
18																		T	0.01	0.01	0.48	0.01	T			18
19			T	T	T																					19
20					T	T	T	T	T	T																20
21																										21
22				T																						22
23																										23
24						T	T	T	T	T																24
25																										25
26									T																	26
27								T	T																	27
28								T																		28
29																										29
30								T	T				T	0.03	T	0.01				T	0.03					30

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.24	0.37	0.40	0.41	0.44	0.46	0.48	0.49	0.50	0.50	0.55	0.58
Ending Date Time (yyyy-mm-dd hh:mi)	2017-11-18 20:42	2017-11-18 20:45	2017-11-18 20:48	2017-11-18 20:55	2017-11-18 20:59	2017-11-18 20:59	2017-11-18 20:59	2017-11-18 20:59	2017-11-18 21:31	2017-11-18 21:31	2017-11-07 08:44	2017-11-07 05:35

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