

Local Climatological Data Daily Summary February 2017

Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W

Generated on 06/05/2017

Station: OAK RIDGE ASOS, TN US WBAN:53868

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	70	36	53	14.2				12	0	0738	1804		0.00			29.07		3.9	23	260	14	210											
02	53	42	48	9.0				17	0	0737	1805	RA:16	0.02			29.26		3.6	14	070	10	080											
03	43	29	36	-3.1				29	0	0736	1806		T			29.35		4.6	15	350	10	360											
04	47	23	35	-4.3				30	0	0735	1807		0.00			29.41		4.2	15	060	10	070											
05	52	36	44	4.5				21	0	0735	1808	RA:16	0.01			29.20		3.8	17	210	10	210											
06	49	31	40	0.3				25	0	0734	1809	RA:16 FG:01 FZFG:22 BR:13	0.10			29.18		0.8	10	220	6	210											
07	65	49	57	17.1				8	0	0733	1810	RA:16 FG:01 BR:13	0.42			28.90		3.4	32	200	21	200											
08	67	49	58	17.9				7	0	0732	1811	RA:16 FG:01 BR:13	0.20			28.79		2.3	32	280	17	280											
09	50	27	38	-2.3				27	0	0731	1812	RA:16 SN:18 UP:19	0.01			29.15		4.4	29	280	20	280											
10	57	23*	40	-0.5				25	0	0730	1813		0.00			29.34		2.6	18	210	12	210											
11	60	47	54	13.3				11	0	0729	1814		T			29.13		3.5	10	250	7	250											
12	77	51	64	23.0				1	0	0728	1815		0.00			29.05		5.8	24	280	15	260											
13	57	36	46	4.8				19	0	0727	1816		0.00			29.27		3.2	20	330	13	330											
14	50	30	40	-1.5				25	0	0726	1817		T			29.02		0.8	8	080	6	150											
15	53	35	44	2.3				21	0	0725	1818	RA:16 BR:13	0.29			28.82		3.7	21	330	14	310											
16	57	28	42	0.0				23	0	0724	1819		0.00			29.02		2.7	17	250	12	260											
17	68	32	50	7.7				15	0	0722	1820		0.00			29.01		2.7	20	200	14	200											
18	51	41	46	3.5				19	0	0721	1821	RA:16 BR:13	0.26			29.00		1.2	17	220	9	240											
19	66	45	56	13.2				9	0	0720	1822	FG:01 BR:13	0.00			29.10		0.7	12	070	8	080											
20	72	39	56	12.9				9	0	0719	1823	BR:13	0.00			29.20		0.7	9	100	7	080											
21	73	45	59	15.6				6	0	0718	1824	RA:16	T			29.10		2.0	19	190	12	190											
22	62	51	56	12.3				9	0	0716	1825	RA:16 FG:01 BR:13	0.10			28.97		1.2	11	040	7	060											
23	74	50	62	18.0				3	0	0715	1826	FG:01 BR:13	0.00			28.92		0.5	9	260	7	270											
24	78*	50	64	19.7				1	0	0714	1827		0.00			28.84		4.9	22	190	15	170											
25	70	33	52	7.4				13	0	0713	1828	RA:16 BR:13	0.46			28.87		6.5	26	270	17	290											
26	53	26	40	-4.9				25	0	0711	1829		0.00			29.22		1.2	12	070	8	090											
27	53	36	44	-1.2				21	0	0710	1830	RA:16	0.02			29.28		2.3	14	250	9	260											
28	57	41	49	3.5				16	0	0709	1831	RA:16 FG:01 BR:13	0.87			29.23		1.1	12	260	7	250											
	60.1	37.9	49.0										2.76			29.10	30.09	2.9															
	8.2	6.2	7.2										-1.81																				
Departure from Normal (1981-2010)																																	
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		-190s		2135				>=90°		<=32°		<=32°		<=0°																			
Cooling		0		0		0		0		0		9		0		12		8															
Date of 5-sec to 3-sec wind equipment change				Sea Level Pressure				Greatest...																									
2007-03-22				Maximum		30.55		Date		04		Time		1047		24-Hr... Precip		Snowfall		Snow Depth													
				Minimum		29.64		25		0153		0.87																					
								Date				28-28																					
Station Augmentation																																	
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
 Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W
 Station: OAK RIDGE ASOS, TN US WBAN:53868

Local Climatological Data
Hourly Observations
February 2017

Generated on 06/05/2017

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

Date	Time (LST)	Station Type	Sky Conditions	Visibility	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)											
01	0053	7	CLR:00	10.00		39	3.9	36	2.0	31	-0.6	73	0	000		29.04	0	-0.00	30.02	FM-15	0.00	30.01
01	0153	7	CLR:00	10.00		39	3.9	36	2.0	31	-0.6	73	0	000		29.03			30.01	FM-15	0.00	30.00
01	0253	7	CLR:00	10.00		38	3.3	35	1.7	31	-0.6	76	0	000		29.04			30.02	FM-15	0.00	30.01
01	0353	7	CLR:00	10.00		36	2.2	34	1.0	31	-0.6	82	0	000		29.05	3	-0.01	30.03	FM-15	0.00	30.02
01	0453	7	CLR:00	10.00		36	2.2	34	1.0	31	-0.6	82	0	000		29.05			30.03	FM-15	0.00	30.02
01	0553	7	CLR:00	10.00		37	2.8	34	1.3	31	-0.6	79	0	000		29.05			30.03	FM-15	0.00	30.02
01	0653	7	CLR:00	10.00		38	3.3	35	1.7	31	-0.6	76	0	000		29.06	3	-0.01	30.05	FM-15	0.00	30.03
01	0753	7	CLR:00	10.00		39	3.9	36	2.0	31	-0.6	73	3	210		29.07			30.05	FM-15	0.00	30.04
01	0853	7	CLR:00	10.00		47	8.3	41	5.0	31	-0.6	54	3	260		29.09			30.07	FM-15	0.00	30.06
01	0953	7	CLR:00	10.00		51	10.6	44	6.9	34	1.1	52	6	VRB		29.09	1	-0.03	30.07	FM-15	0.00	30.06
01	1053	7	CLR:00	10.00		58	14.4	50	10.0	36	2.2	44	6	230		29.08			30.06	FM-15	0.00	30.05
01	1153	7	CLR:00	10.00		62	16.7	54	12.0	40	4.4	44	6	VRB		29.07			30.04	FM-15	0.00	30.04
01	1253	7	CLR:00	10.00		66	18.9	57	13.9	42	5.6	42	10	VRB		29.04	8	+0.05	30.01	FM-15	0.00	30.01
01	1353	7	CLR:00	10.00		69	20.6	60	15.3	43	6.1	39	10	220	18	29.01			29.98	FM-15	0.00	29.98
01	1453	7	FEW:02 80	10.00		69	20.6	60	15.3	41	5.0	36	10	240	20	29.01			29.98	FM-15	0.00	29.98
01	1553	7	FEW:02 85	10.00		68	20.0	59	14.8	41	5.0	38	10	220	21	29.01	5	+0.03	29.98	FM-15	0.00	29.98
01	1653	7	SCT:04 65 SCT:04 90	10.00		67	19.4	58	14.3	43	6.1	42	7	VRB		29.04			30.01	FM-15	0.00	30.01
01	1753	7	SCT:04 50 BKN:07 80 OVC:08 90	10.00		65	18.3	56	13.6	45	7.2	49	7	VRB		29.07			30.05	FM-15	0.00	30.04
01	1853	7	BKN:07 50 OVC:08 95	10.00		63	17.2	55	12.9	46	7.8	54	6	220		29.10	2	-0.08	30.07	FM-15	0.00	30.07
01	1953	7	BKN:07 48	10.00		57	13.9	49	9.7	38	3.3	49	5	040		29.13			30.11	FM-15	0.00	30.10
01	2053	7	SCT:04 55 BKN:07 70	10.00		54	12.2	47	8.3	36	2.2	51	3	VRB		29.13			30.12	FM-15	0.00	30.11
01	2153	7	OVC:08 45	10.00		53	11.7	46	7.9	36	2.2	52	0	000		29.14	1	-0.05	30.12	FM-15	0.00	30.12
01	2253	7	OVC:08 70	10.00		52	11.1	45	7.4	35	1.7	53	0	000		29.15			30.12	FM-15	0.00	30.13
01	2353	7	SCT:04 50 BKN:07 95	10.00		51	10.6	44	6.9	34	1.1	52	0	000		29.14			30.12	FM-15	0.00	30.12

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 National Environmental Satellite, Data, and Information Service
 Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W
 Station: **OAK RIDGE ASOS, TN US WBAN:53868**

Local Climatological Data
Hourly Remarks
February 2017

Generated on 06/05/2017

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

Date	Time (LST)	Remarks
01	0053	MET10902/01/17 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 04/M01 A3001 RMK AO2 SLP165 T00391006 10128 20039 50000
01	0153	MET09102/01/17 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 04/M01 A3000 RMK AO2 SLP161 T00391006
01	0253	MET09102/01/17 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 03/M01 A3001 RMK AO2 SLP165 T00331006
01	0353	MET09702/01/17 03:53:02 METAR KOQT 010853Z 00000KT 10SM CLR 02/M01 A3002 RMK AO2 SLP169 T00221006 53005
01	0453	MET09102/01/17 04:53:02 METAR KOQT 010953Z 00000KT 10SM CLR 02/M01 A3002 RMK AO2 SLP169 T00221006
01	0553	MET09102/01/17 05:53:02 METAR KOQT 011053Z 00000KT 10SM CLR 03/M01 A3002 RMK AO2 SLP168 T00281006
01	0653	MET10902/01/17 06:53:02 METAR KOQT 011153Z 00000KT 10SM CLR 03/M01 A3003 RMK AO2 SLP176 T00331006 10044 20022 53004
01	0753	MET09102/01/17 07:53:02 METAR KOQT 011253Z 21003KT 10SM CLR 04/M01 A3004 RMK AO2 SLP177 T00391006
01	0853	MET09102/01/17 08:53:02 METAR KOQT 011353Z 26003KT 10SM CLR 08/M01 A3006 RMK AO2 SLP183 T00831006
01	0953	MET09602/01/17 09:53:02 METAR KOQT 011453Z VRB05KT 10SM CLR 11/01 A3006 RMK AO2 SLP183 T01060011 51009
01	1053	MET09002/01/17 10:53:02 METAR KOQT 011553Z 23005KT 10SM CLR 14/02 A3005 RMK AO2 SLP178 T01440022
01	1153	MET09002/01/17 11:53:02 METAR KOQT 011653Z VRB05KT 10SM CLR 17/04 A3004 RMK AO2 SLP174 T01670044
01	1253	MET10802/01/17 12:53:02 METAR KOQT 011753Z 21009KT 10SM CLR 19/06 A3001 RMK AO2 SLP162 T01890056 10189 20033 58018
01	1353	MET09302/01/17 13:53:02 METAR KOQT 011853Z 22009G16KT 10SM CLR 21/06 A2998 RMK AO2 SLP152 T02060061
01	1453	MET09602/01/17 14:53:02 METAR KOQT 011953Z 24009G17KT 10SM FEW080 21/05 A2998 RMK AO2 SLP151 T02060050
01	1553	MET10202/01/17 15:53:02 METAR KOQT 012053Z 22009G18KT 10SM FEW085 20/05 A2998 RMK AO2 SLP154 T02000050 55009
01	1653	MET10002/01/17 16:53:02 METAR KOQT 012153Z VRB06KT 10SM SCT065 SCT090 19/06 A3001 RMK AO2 SLP163 T01940061
01	1753	MET10702/01/17 17:53:02 METAR KOQT 012253Z VRB06KT 10SM SCT050 BKN080 OVC090 18/07 A3004 RMK AO2 SLP176 T01830072
01	1853	MET11802/01/17 18:53:02 METAR KOQT 012353Z 22005KT 10SM BKN050 OVC095 17/08 A3007 RMK AO2 SLP184 T01720078 10211 20172 52028
01	1953	MET09302/01/17 19:53:01 METAR KOQT 020053Z 04004KT 10SM BKN048 14/03 A3010 RMK AO2 SLP195 T01390033
01	2053	MET10002/01/17 20:53:01 METAR KOQT 020153Z VRB03KT 10SM SCT055 BKN070 12/02 A3011 RMK AO2 SLP200 T01220022
01	2153	MET09902/01/17 21:53:01 METAR KOQT 020253Z 00000KT 10SM OVC045 12/02 A3012 RMK AO2 SLP201 T01170022 51017
01	2253	MET09302/01/17 22:53:01 METAR KOQT 020353Z 00000KT 10SM OVC070 11/02 A3013 RMK AO2 SLP201 T01110017
01	2353	MET11002/01/17 23:53:01 METAR KOQT 020453Z 00000KT 10SM SCT050 BKN095 11/01 A3012 RMK AO2 SLP199 T01060011 402110022

Local Climatological Data
Hourly Precipitation
February 2017

Elev: 910 ft. Lat: 36.0236° N Lon: -84.2375° W

Generated on 06/05/2017

Station: **OAK RIDGE ASOS, TN US WBAN:53868**

Date	For Hour (LST) Ending at																							
	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																								
02		0.02	T	T		T	T																T	
03				T																				
04																								
05	0.01	T	T	T																				
06															T	0.03s	0.02	0.05						
07															0.01	0.37	0.04	T						
08																	T	0.01			0.01	0.18	T	
09		T	T	T	T	0.01	T																	
10																								
11																T								
12																								
13																								
14													T				T							T
15		T	0.04	0.09	0.09	0.07	T																	
16																								
17																								
18									T	T	T	0.07	0.12	0.06	0.01		T							
19																								
20																								
21																T	T	T	T	T		T	T	T
22	T	0.01	T		T	0.01	0.01	T	0.03	0.02	0.01	0.01	T	T	T							T	T	T
23																								
24																								
25	0.07		0.10	0.26	0.03	T																		
26																								
27													0.02	T										
28													0.41s	0.19	0.13	0.14				T	T			
Maximum Short Duration Precipitation																								
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180												
Precipitation (inches)	0.18	0.27	0.30	0.32	0.35	0.41	0.47	0.52	0.57	0.63	0.68	0.79												
Ending Date Time (yyyy-mm-dd hh:mi)	2017-02-07 15:12	2017-02-07 15:17	2017-02-07 15:22	2017-02-07 15:25	2017-02-07 15:28	2017-02-28 13:07	2017-02-28 13:13	2017-02-28 13:34	2017-02-28 14:02	2017-02-28 14:14	2017-02-28 14:42	2017-02-28 15:20												

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 = 0.00
 M = No precipitation recorded