

Local Climatological Data
Daily Summary
February 2017

Generated on 04/11/2018

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	68	38	53	13.6				12	0	0737	1803		0.00	0.0	0	28.97		9.5	32	210	28	220	
02	52	42	47	7.4				18	0	0736	1804	RA PL	0.07	T	0	29.16		7.0	17	010	14	030	
03	43	29	36	-3.7				29	0	0735	1805		T	0.0	0	29.24		8.1	19	010	15	350	
04	45	22*	34	-5.9				31	0	0734	1806	RA PL	T	T	0	29.32		7.0	18	270	16	270	
05	50	36	43	2.9				22	0	0733	1807	RA	T	T	0	29.10		9.8	26	220	22	230	
06	50	29	40	-0.3				25	0	0732	1808	RA BR HZ DZ FG	0.07	0.0	0	29.08		1.7	11	070	9	080	
07	71	46	58	17.5				7	0	0731	1809	RA BR FG	0.54	0.0	0	28.80		8.1	39	180	32	210	
08	66	51	58	17.3				7	0	0730	1810	TS RA BR	0.41	0.0	0	28.70		8.3	39	280	29	290	
09	53	29	41	0.1				24	0	0730	1811	RA	T	T	0	29.05		9.7	27	260	22	270	
10	59	24	42	0.9				23	0	0729	1812		0.00	0.0	0	29.24		7.2	27	210	22	240	
11	64	52	58	16.6				7	0	0728	1813		0.00	0.0	0	29.03		13.8	28	220	22	240	
12	77	50	64	22.4				1	0	0727	1815	RA	T	0.0	0	28.96		14.6	29	230	24	220	
13	55	37	46	4.2				19	0	0726	1816		0.00	0.0	0	29.16		6.6	23	350	16	030	
14	52	31	42	-0.1				23	0	0724	1817	RA	T	0.0	0	28.92		3.9	13	120	10	120	
15	51	37	44	1.7				21	0	0723	1818	RA BR	0.60	0.0	0	28.71		6.7	21	310	16	300	
16	54	29	42	-0.6				23	0	0722	1819		0.00	0.0	0	28.92		6.8	19	230	16	220	
17	65	34	50	7.2				15	0	0721	1819		0.00	0.0	0	28.92		9.7	25	220	21	210	
18	51	42	46	2.9				19	0	0720	1820	RA BR	0.04	0.0	0	28.90		5.0	25	240	18	240	
19	65	46	56	12.6				9	0	0719	1821	BR HZ	0.00	0.0	0	29.02		2.3	14	230	10	230	
20	70	39	54	10.4				11	0	0718	1822		0.00	0.0	0	29.10		1.7	11	260	7	260	
21	72	44	58	14.1				7	0	0716	1823	RA	T	0.0	0	29.00		4.7	23	190	20	200	
22	64	53	58	13.8				7	0	0715	1824	RA BR	0.10	0.0	0	28.87		5.1	13	340	12	030	
23	73	53	63	18.6				2	0	0714	1825	BR FG	0.00	0.0	0	28.82		2.6	12	290	8	250	
24	79*	49	64	19.3				1	0	0713	1826		0.00	0.0	0	28.75		9.0	30	220	25	220	
25	70	38	54	9.0				11	0	0712	1827	TS RA BR	0.22	0.0	0	28.77		13.1	53	270	39	260	
26	53	27	40	-5.3				25	0	0710	1828		0.00	0.0	0	29.13		2.6	14	060	10	060	
27	56	36	46	0.4				19	0	0709	1829		T	0.0	0	29.19		5.5	25	170	17	190	
28	56	39	48	2.2				17	0	0708	1830	TS RA BR	0.52	0.0	0	29.13		2.2			9	150	
	60.1	38.6	49.4										2.57	T		29.00	30.04	6.9					
	7.8	6.2	7.0										-1.69										
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		436		-198		2089		>=90°		<=32°		<=32°			<=0°		9		6		0		
Cooling		0		0		0		0		0		8			0								
Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure					Greatest...											
2007-04-17							Maximum		30.50		Date		04		Time		1052		24-Hr...		Snow Depth		
							Minimum		29.61				25				0253		0.60		Snowfall		0
																			15-15		Date		09-09
Station Augmentation																							
Name:CONTRACTOR ON AIRPORT Lat: N/A Lon: N/A Elevation: N/A Distance: 2200ft W Elements: TEMP, PRECIP, SNOW Equipment: SRG, PSY, SNOWBOARD, SNOWSTICK																							

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W
Station: KNOXVILLE AIRPORT, TN US 13891

Local Climatological Data Hourly Observations February 2017

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

Generated on 04/11/2018

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	FEW:02 130 SCT:04 250	10.00		40	4.4	37	2.6	32	0.0	73	3	050		28.94	5	+0.01	29.98	FM-15	0.00	29.99
01	0100	4		9.94		40	4.4	37	2.6	32	0.0	73	3	050		28.93	5	+0.01	29.98	FM-12		29.99
01	0153	7	SCT:04 130 SCT:04 250	10.00		40	4.4	37	2.6	32	0.0	73	3	180		28.93			29.97	FM-15	0.00	29.98
01	0253	7	FEW:02 130 SCT:04 250	10.00		40	4.4	37	2.8	33	0.6	77	0	000		28.93			29.98	FM-15	0.00	29.98
01	0353	7	FEW:02 150 SCT:04 250	10.00		42	5.6	38	3.4	33	0.6	71	6	260		28.94	3	-0.01	29.99	FM-15	0.00	29.99
01	0400	4		9.94		42	5.6	38	3.4	33	0.6	71	6	260		28.93	3	-0.01	29.99	FM-12		29.99
01	0453	7	SCT:04 130 SCT:04 250	10.00		38	3.3	36	2.0	32	0.0	79	0	000		28.95			29.99	FM-15	0.00	30.00
01	0553	7	SCT:04 130 SCT:04 250	10.00		40	4.4	37	2.8	33	0.6	77	0	000		28.95			30.00	FM-15	0.00	30.00
01	0653	7	SCT:04 130 SCT:04 250	10.00		42	5.6	38	3.4	33	0.6	71	0	000		28.96	3	-0.02	30.01	FM-15	0.00	30.01
01	0700	4		9.94		42	5.6	38	3.4	33	0.6	71	0	000		28.95	3	-0.02	30.01	FM-12		30.01
01	0753	7	SCT:04 130 SCT:04 250	10.00		41	5.0	38	3.1	33	0.6	73	0	000		28.97			30.02	FM-15	0.00	30.02
01	0853	7	SCT:04 130 SCT:04 250	10.00		49	9.4	43	6.4	37	2.8	64	3	230		28.98			30.03	FM-15	0.00	30.03
01	0953	7	FEW:02 50 SCT:04 130 BKN:07 250	10.00		58	14.4	49	9.3	39	3.9	50	20	230		28.99	1	-0.03	30.03	FM-15	0.00	30.04
01	1000	4	57	9.94		58	14.4	49	9.3	39	3.9	50	20	230		28.98	1	-0.03	30.03	FM-12		30.04
01	1053	7	FEW:02 50 BKN:07 130 OVC:08 250	10.00		62	16.7	52	11.0	42	5.6	48	16	220		28.98			30.02	FM-15	0.00	30.03
01	1153	7	FEW:02 50 SCT:04 130 OVC:08 250	10.00		64	17.8	53	11.9	44	6.7	48	15	240		28.98			30.02	FM-15	0.00	30.03
01	1253	7	SCT:04 43 SCT:04 130 SCT:04 250	10.00		65	18.3	54	12.4	45	7.2	49	15	230		28.95	8	+0.04	30.00	FM-15	0.00	30.00
01	1300	4	41	9.94		65	18.3	54	12.4	45	7.2	49	15	230		28.94	8	+0.04	30.00	FM-12		30.00
01	1353	7	SCT:04 47 BKN:07 200	10.00		67	19.4	55	12.9	45	7.2	45	21	240	26	28.93			29.97	FM-15	0.00	29.98
01	1453	7	SCT:04 50 SCT:04 75 BKN:07 130	10.00		67	19.4	55	12.9	45	7.2	45	24	220	29	28.92			29.96	FM-15	0.00	29.97
01	1553	7	SCT:04 60 SCT:04 70 SCT:04 150	10.00		66	18.9	55	12.9	46	7.8	49	23	230		28.93	5	+0.02	29.97	FM-15	0.00	29.98
01	1600	4	57	9.94		66	18.9	55	12.9	46	7.8	49	23	230		28.92	5	+0.02	29.97	FM-12		29.98
01	1653	7	SCT:04 60 SCT:04 150 OVC:08 250	10.00		64	17.8	54	12.4	46	7.8	52	20	220	32	28.95			29.99	FM-15	0.00	30.00
01	1753	7	FEW:02 60 OVC:08 250	10.00		61	16.1	54	12.0	47	8.3	60	21	220		28.98			30.03	FM-15	0.00	30.03
01	1853	7	SCT:04 60 OVC:08 250	10.00		58	14.4	52	11.0	46	7.8	65	10	220		29.00	3	-0.07	30.05	FM-15	0.00	30.05
01	1900	4	57	9.94		58	14.4	52	11.0	46	7.8	65	10	220		28.99	3	-0.07	30.05	FM-12		30.05

01	1953	7	BKN:07 60 OVC:08 250	10.00		56	13.3	51	10.5	46	7.8	70	10	230		29.02			30.07	FM-15	0.00	30.07
01	2053	7	SCT:04 44 BKN:07 65 BKN:07 80	10.00		57	13.9	49	9.7	42	5.6	58	7	360		29.04			30.08	FM-15	0.00	30.09
01	2153	7	FEW:02 60 SCT:04 100 BKN:07 250	10.00		52	11.1	45	7.2	37	2.8	57	7	020		29.05	1	-0.04	30.09	FM-15	0.00	30.10
01	2200	4	57	9.94		52	11.1	45	7.2	37	2.8	57	7	020		29.04	1	-0.04	30.09	FM-12		30.10
01	2253	7	SCT:04 70 BKN:07 100 BKN:07 250	10.00		50	10.0	44	6.7	37	2.8	61	0	000		29.05			30.09	FM-15	0.00	30.10
01	2353	7	SCT:04 55 BKN:07 80	10.00		50	10.0	44	6.7	37	2.8	61	5	060		29.05			30.09	FM-15	0.00	30.10

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W
Station: **KNOXVILLE AIRPORT, TN US 13891**

Local Climatological Data
Hourly Remarks
February 2017

Generated on 04/11/2018

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

Date	Time (LST)	Remarks
01	0053	MET12402/01/17 00:53:02 METAR KTYS 010553Z 05003KT 10SM FEW130 SCT250 04/00 A2999 RMK AO2 SLP153 T00440000 10133 20044 55005 (JTD)
01	0100	SYN08072326 32966 40503 10044 20000 39797 40153 55005 90553 333 10156 20044 555 90106=
01	0153	MET10602/01/17 01:53:02 METAR KTYS 010653Z 18003KT 10SM SCT130 SCT250 04/00 A2998 RMK AO2 SLP150 T00440000 (JTD)
01	0253	MET10602/01/17 02:53:02 METAR KTYS 010753Z 00000KT 10SM FEW130 SCT250 04/01 A2998 RMK AO2 SLP152 T00440006 (JTD)
01	0353	MET11202/01/17 03:53:02 METAR KTYS 010853Z 26005KT 10SM FEW150 SCT250 06/01 A2999 RMK AO2 SLP155 T00560006 53002 (JTD)
01	0400	SYN06472326 32966 42605 10056 20006 39797 40155 53002 90853 555 90109=
01	0453	MET10602/01/17 04:53:02 METAR KTYS 010953Z 00000KT 10SM SCT130 SCT250 03/00 A3000 RMK AO2 SLP155 T00330000 (JTD)
01	0553	MET10602/01/17 05:53:02 METAR KTYS 011053Z 00000KT 10SM SCT130 SCT250 04/01 A3000 RMK AO2 SLP158 T00440006 (JTD)
01	0653	MET12402/01/17 06:53:02 METAR KTYS 011153Z 00000KT 10SM SCT130 SCT250 06/01 A3001 RMK AO2 SLP163 T00560006 10067 20033 53006 (JTD)
01	0700	SYN08072326 32966 40000 10056 20006 39804 40163 53006 91153 333 10183 20033 555 90112=
01	0753	MET10602/01/17 07:53:02 METAR KTYS 011253Z 00000KT 10SM SCT130 SCT250 05/01 A3002 RMK AO2 SLP166 T00500006 (JTD)
01	0853	MET10502/01/17 08:53:02 METAR KTYS 011353Z 23003KT 10SM SCT130 SCT250 09/03 A3003 RMK AO2 SLP168 T00940028 (BB)
01	0953	MET11802/01/17 09:53:02 METAR KTYS 011453Z 23017KT 10SM FEW050 SCT130 BKN250 14/04 A3004 RMK AO2 SLP169 T01440039 51009 (BB)
01	1000	SYN06472326 32766 62317 10144 20039 39814 40169 51009 91453 555 90115=
01	1053	MET11202/01/17 10:53:02 METAR KTYS 011553Z 22014KT 10SM FEW050 BKN130 OVC250 17/06 A3003 RMK AO2 SLP166 T01670056 (BB)
01	1153	MET11202/01/17 11:53:02 METAR KTYS 011653Z 24013KT 10SM FEW050 SCT130 OVC250 18/07 A3003 RMK AO2 SLP166 T01780067 (BB)
01	1253	MET13002/01/17 12:53:02 METAR KTYS 011753Z 23013KT 10SM SCT043 SCT130 SCT250 18/07 A3000 RMK AO2 SLP158 T01830072 10189 20033 58012 (BB)
01	1300	SYN08072326 32666 42313 10183 20072 39800 40158 58012 91753 333 10189 20033 555 90118=
01	1353	MET10802/01/17 13:53:02 METAR KTYS 011853Z 24018G23KT 10SM SCT047 BKN200 19/07 A2998 RMK AO2 SLP148 T01940072 (BB)
01	1453	MET13302/01/17 14:53:02 METAR KTYS 011953Z 22021G25KT 10SM SCT050 SCT075 BKN130 19/07 A2997 RMK AO2 PK WND 24027/1922 SLP147 T01940072 (BB)
01	1553	MET13602/01/17 15:53:02 METAR KTYS 012053Z 23020KT 10SM SCT060 SCT070 SCT150 19/08 A2998 RMK AO2 PK WND 22028/2010 SLP149 T01890078 55007 (BB)
01	1600	SYN06472326 32766 62320 10189 20078 39794 40149 55007 92053 555 90121=
01	1653	MET13402/01/17 16:53:02 METAR KTYS 012153Z 22017G28KT 10SM SCT060 SCT150 OVC250 18/08 A3000 RMK AO2 PK WND 21028/2148 SLP157 T01780078 (ALG)
01	1753	MET12402/01/17 17:53:02 METAR KTYS 012253Z 22018KT 10SM FEW060 OVC250 16/08 A3003 RMK AO2 PK WND 22027/2202 SLP168 T01610083 (ALG)
01	1853	MET12402/01/17 18:53:02 METAR KTYS 012353Z 22009KT 10SM SCT060 OVC250 14/08 A3005 RMK AO2 SLP176 T01440078 10200 20144 53025 (ALG)
01	1900	SYN08072326 32766 82209 10144 20078 39817 40176 53025 92353 333 10200 20033 555 90200=
01	1953	MET10002/01/17 19:53:01 METAR KTYS 020053Z 23009KT 10SM BKN060 OVC250 13/08 A3007 RMK AO2 SLP182 T01330078
01	2053	MET10702/01/17 20:53:01 METAR KTYS 020153Z 36006KT 10SM SCT044 BKN065 BKN080 14/06 A3009 RMK AO2 SLP186 T01390056
01	2153	MET11302/01/17 21:53:01 METAR KTYS 020253Z 02006KT 10SM FEW060 SCT100 BKN250 11/03 A3010 RMK AO2 SLP188 T01110028 51014
01	2200	SYN06472326 32766 60206 10111 20028 39833 40188 51014 90253 555 90203=
01	2253	MET10702/01/17 22:53:01 METAR KTYS 020353Z 00000KT 10SM SCT070 BKN100 BKN250 10/03 A3010 RMK AO2 SLP190 T01000028
01	2353	MET11002/01/17 23:53:01 METAR KTYS 020453Z 06004KT 10SM SCT055 BKN080 10/03 A3010 RMK AO2 SLP190 T01000028 402000033

Local Climatological Data
Hourly Precipitation
February 2017

Generated on 04/11/2018

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																									01	
02		0.01	0.03	0.02	T		0.01	T														T	T	T	T	02
03	T																									03
04																									T	04
05	T	T		T																						05
06									T	T					0.02	0.03	0.02									06
07														T	0.17	0.31	0.06	T								07
08					T	T	T	T									T	T	T			T	0.15s	0.26	T	08
09			T	T	T	T																				09
10																										10
11																										11
12		T														T										12
13																										13
14																T	T	T							T	14
15	T	T	0.08	0.26	0.17	0.08	0.01																			15
16																										16
17																										17
18									T		T	0.01	0.02	0.01	T		T	T								18
19																										19
20																										20
21																T		T	T						T	21
22	T	T		T	0.01	T	T	0.01	0.01	0.05	0.02	T	T													22
23																										23
24																										24
25		T	T	0.12	0.05	0.05	T																			25
26																										26
27														T												27
28													0.06s	0.24	0.13	0.03	0.06			T	T	T				28
Maximum Short Duration Precipitation																										
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180														
Precipitation (inches)	0.23	0.27	0.31	0.34	0.36	0.38	0.40	0.41	0.41	0.44	0.50	0.55														
Ending Date Time (yyyy-mm-dd hh:mi)	2017-02-08 22:06	2017-02-08 22:08	2017-02-08 22:06	2017-02-08 22:08	2017-02-08 22:08	2017-02-08 22:08	2017-02-08 22:08	2017-02-08 22:08	2017-02-08 22:08	2017-02-15 05:00	2017-02-15 05:06	2017-02-15 05:39														

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