

### Local Climatological Data Daily Summary November 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	61	43	52	-2.7	91	49	51	13	0	0658	1741	RA	T	0.0	0	29.05	30.11	2.3	9	050	7	010							
02	74	50	62	7.6	85	56	58	3	0	0659	1740		T	0.0	0	29.09	30.14	4.6	23	230	18	230							
03	72	57	64	10.0	97	62	63	1	0	0700	1739	TS RA BR	0.25	0.0	0	29.10	30.13	3.1	19	220	16	200							
04	75	59	67	13.3	91	61	62	0	2	0701	1738	BR FG	0.00	0.0	0	29.05	30.18	1.9	12	250	9	290							
05	77*	57	67	13.6	85	61	63	0	2	0702	1737	BR FG	0.00	0.0	0	29.00	30.02	7.7	26	220	22	210							
06	72	62	67	14.0	94	65	66	0	2	0703	1736	RA BR	0.36	0.0	0	28.98	30.01	7.7	20	230	15	230							
07	70	53	62	9.3	95	62	62	3	0	0704	1735	TS RA BR	2.25	0.0	0	28.94	29.97	7.4	22	300	17	300							
08	53	48	50	-2.4	95	49	49	15	0	0705	1734	RA DZ BR	0.01	0.0	0	29.03	30.08	8.2	15	020	14	020							
09	59	42	50	-2.0	93	49	50	15	0	0706	1733	RA DZ BR	0.02	0.0	0	29.05	30.12	3.6	11	350	8	010							
10	54	38	46	-5.7	73	37	41	19	0	0707	1732		0.00	0.0	0	29.21	30.28	7.0	18	010	14	020							
11	57	31	44	-7.3	70	35	40	21	0	0708	1732		0.00	0.0	0	29.28	30.34	3.6	13	040	10	040							
12	55	45	50	-1.0	85	46	48	15	0	0709	1731		0.00	0.0	0	29.26	30.31	2.7	11	160	7	170							
13	52	44	48	-2.6	82	43	46	17	0	0710	1730		0.00	0.0	0	29.28	30.35	8.4	18	010	15	010							
14	57	38	48	-2.3	79	40	43	17	0	0711	1730		0.00	0.0	0	29.20	30.25	4.1	14	050	12	040							
15	57	34	46	-3.9	90	43	45	19	0	0712	1729	RA FG BR	0.02	0.0	0	29.08	30.13	4.3	20	230	15	240							
16	61	42	52	2.5	74	44	48	13	0	0713	1728		0.00	0.0	0	29.05	30.12	3.8	14	270	9	010							
17	62	36	49	-0.2	75	40	44	16	0	0714	1728		0.00	0.0	0	29.08	30.11	3.2	15	030	10	010							
18	68	43	56	7.2	79	50	53	9	0	0715	1727	RA BR	0.25	0.0	0	28.74	29.75	15.2	48	270	39	280							
19	48	34	41	-7.5	75	35	39	24	0	0716	1727	RA	T	0.0	0	28.96	30.04	6.9	32	270	24	280							
20	52	26*	39	-9.1	78	31	35	26	0	0717	1726	BR	0.00	0.0	0	29.15	30.21	1.9	10	100	7	030							
21	60	30	45	-2.7	85	40	42	20	0	0718	1725		0.00	0.0	0	29.02	30.07	2.7	15	270	13	270							
22	54	37	46	-1.4	67	36	42	19	0	0719	1725		0.00	0.0	0	29.05	30.12	7.4	19	360	15	360							
23	56	30	43	-4.0	69	32	38	22	0	0720	1725		0.00	0.0	0	29.03	30.08	2.8	13	020	10	350							
24	59	30	44	-2.7	79	38	41	21	0	0721	1724	BR FG	0.00	0.0	0	28.93	29.98	2.1	13	240	10	250							
25	62	39	50	3.7	73	42	46	15	0	0722	1724		0.00	0.0	0	28.90	29.96	5.8	21	220	18	220							
26	57	33	45	-1.0	58	31	40	20	0	0723	1724		0.00	0.0	0	29.10	30.18	3.3	15	340	10	350							
27	59	28	44	-1.6	65	30	37	21	0	0724	1723		0.00	0.0	0	29.15	30.21	3.6	15	040	12	040							
28	64	28	46	0.7	65	33	40	19	0	0725	1723		0.00	0.0	0	29.19	30.26	0.7	8	230	5	170							
29	65	32	48	3.0	75	40	44	17	0	0726	1723		0.00	0.0	0	29.21	30.27	1.4	9	030	7	030							
30	60	38	49	4.4	91	46	47	16	0	0726	1723	RA BR	0.03	0.0	0	29.09	30.14	2.1	13	330	8	320							
	61.1	40.2	50.7										3.19			29.08	30.12	4.7											
	0.7	1.2	1.0										-0.82																
	Monthly Averages   Totals												3.19			29.08	30.12	4.7											
	Departure from Normal (1981-2010)												-0.82																
	Degree Days						Number of days with...																						
	Monthly			Season-to-date			Temperature				Precipitation		Snow		Weather														
	Total	Departure	Total	Departure	Max	Min	Precipitation		Snow		Weather																		
Heating	436	-26	629	Departure	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog																
Cooling	6	3	1516		0	0	8	0	8	4	0																		
	Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure						Greatest...																
	2007-04-17						Maximum		30.42	Date	11	Time	1115	24-Hr...		Snow Depth													
							Minimum		29.46	18	2053	Precip	Snowfall																
							Date						06-07																
	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 November 2017

Generated on 04/11/2018

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) 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	OVC:08 250	10.00		43	6.1	43	6.1	43	6.1	100	3	070		29.05	6	+0.03	30.09	FM-15	0.00	30.10
01	0100	4		9.94		43	6.1	43	6.1	43	6.1	100	3	070		29.04	6	+0.03	30.09	FM-12		30.10
01	0153	7	OVC:08 250	10.00		45	7.2	45	7.2	45	7.2	100	0	000		29.06			30.10	FM-15	0.00	30.11
01	0253	7	OVC:08 260	10.00		45	7.2	45	7.2	45	7.2	100	0	000		29.05			30.09	FM-15	0.00	30.10
01	0353	7	SCT:04 100 OVC:08 250	10.00		44	6.7	44	6.7	44	6.7	100	3	030		29.04	8	+0.01	30.08	FM-15	0.00	30.09
01	0400	4		9.94		44	6.7	44	6.7	44	6.7	100	3	030		29.03	8	+0.01	30.08	FM-12		30.09
01	0453	7	BKN:07 150 OVC:08 250	10.00		46	7.8	46	7.5	45	7.2	96	5	360		29.04			30.09	FM-15	0.00	30.09
01	0553	7	SCT:04 150 BKN:07 250	10.00		44	6.7	44	6.7	44	6.7	100	5	040		29.07			30.11	FM-15	0.00	30.12
01	0653	7	FEW:02 60 SCT:04 150 OVC:08 250	10.00		44	6.7	44	6.7	44	6.7	100	5	120		29.08	3	-0.04	30.12	FM-15	0.00	30.13
01	0700	4	57	9.94		44	6.7	44	6.7	44	6.7	100	5	120		29.07	3	-0.04	30.12	FM-12		30.13
01	0753	7	FEW:02 60 BKN:07 150 OVC:08 250	10.00		47	8.3	47	8.1	46	7.8	97	3	080		29.09			30.14	FM-15	0.00	30.14
01	0853	7	FEW:02 60 BKN:07 100 OVC:08 250	10.00		50	10.0	48	9.2	47	8.3	89	0	000		29.10			30.15	FM-15	0.00	30.15
01	0953	7	FEW:02 60 BKN:07 100 OVC:08 250	10.00		51	10.6	49	9.4	47	8.3	86	0	000		29.11	1	-0.04	30.16	FM-15	0.00	30.16
01	1000	4	57	9.94		51	10.6	49	9.4	47	8.3	86	0	000		29.10	1	-0.04	30.16	FM-12		30.16
01	1053	7	FEW:02 60 BKN:07 90 OVC:08 250	10.00		54	12.2	51	10.8	49	9.4	83	0	000		29.11			30.16	FM-15	0.00	30.16
01	1153	7	BKN:07 90 OVC:08 250	10.00		56	13.3	53	11.6	50	10.0	81	3	360		29.09			30.14	FM-15	0.00	30.14
01	1253	7	FEW:02 50 BKN:07 100 OVC:08 250	10.00		58	14.4	54	12.3	51	10.6	78	3	030		29.07	8	+0.04	30.11	FM-15	0.00	30.12
01	1300	4	57	9.94		58	14.4	54	12.3	51	10.6	78	3	030		29.06	8	+0.04	30.11	FM-12		30.12
01	1353	7	FEW:02 50 BKN:07 100 OVC:08 250	10.00		58	14.4	55	12.6	52	11.1	81	0	000		29.06			30.10	FM-15	0.00	30.11
01	1453	7	FEW:02 50 SCT:04 100 OVC:08 250	10.00		60	15.6	56	13.1	52	11.1	75	0	000		29.05			30.10	FM-15	0.00	30.10
01	1553	7	FEW:02 50 SCT:04 100 OVC:08 250	10.00		61	16.1	57	13.6	53	11.7	75	0	000		29.06	5	+0.01	30.10	FM-15	0.00	30.11
01	1600	4	57	9.94		61	16.1	57	13.6	53	11.7	75	0	000		29.05	5	+0.01	30.10	FM-12		30.11
01	1653	7	FEW:02 50 BKN:07 130 OVC:08 250	10.00		59	15.0	56	13.1	53	11.7	81	6	130		29.06			30.10	FM-15	0.00	30.11
01	1753	7	FEW:02 100 BKN:07 150 OVC:08 250	10.00		57	13.9	55	12.7	53	11.7	87	0	000		29.04			30.09	FM-15	0.00	30.09
01	1853	7	FEW:02 100 BKN:07 150 OVC:08 250	10.00		57	13.9	55	12.7	53	11.7	87	5	050		29.03	8	+0.02	30.08	FM-15	0.00	30.08

01	1900	4		9.94		57	13.9	55	12.7	53	11.7	87	5	050		29.02	8	+0.02	30.08	FM-12		30.08
01	1953	7	BKN:07 100 BKN:07 150 OVC:08 250	10.00		56	13.3	55	12.7	54	12.2	93	0	000		29.04			30.09	FM-15	0.00	30.09
01	2053	7	BKN:07 100 OVC:08 250	10.00		55	12.8	54	12.5	54	12.2	96	5	080		29.05			30.10	FM-15	0.00	30.10
01	2153	7	SCT:04 100 BKN:07 150 OVC:08 250	10.00		54	12.2	54	12.2	54	12.2	100	0	000		29.06	1	-0.03	30.11	FM-15	0.00	30.11
01	2200	4		9.94		54	12.2	54	12.2	54	12.2	100	0	000		29.05	1	-0.03	30.11	FM-12		30.11
01	2253	7	SCT:04 100 BKN:07 150	10.00		55	12.8	54	12.5	54	12.2	96	5	010		29.08			30.12	FM-15	0.00	30.13
01	2353	7	BKN:07 110 BKN:07 150	10.00	-RA:02  RA	54	12.2	54	12.2	54	12.2	100	3	120		29.08			30.13	FM-15	T	30.13

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**  
**November 2017**

Generated on 04/11/2018

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

Date	Time (LST)	Remarks
01	0053	MET11711/01/17 00:53:02 METAR KTYS 010553Z 07003KT 10SM OVC250 06/06 A3010 RMK AO2 SLP191 T00610061 10122 20061 56009 (JTD)
01	0100	SYN08072326 32966 80703 10061 20061 39833 40191 56009 90553 333 10156 20039 555 90106=
01	0153	MET09911/01/17 01:53:02 METAR KTYS 010653Z 00000KT 10SM OVC250 07/07 A3011 RMK AO2 SLP194 T00720072 (JTD)
01	0253	MET09911/01/17 02:53:02 METAR KTYS 010753Z 00000KT 10SM OVC260 07/07 A3010 RMK AO2 SLP189 T00720072 (JTD)
01	0353	MET11211/01/17 03:53:02 METAR KTYS 010853Z 03003KT 10SM SCT100 OVC250 07/07 A3009 RMK AO2 SLP187 T00670067 58003 (JTD)
01	0400	SYN06472326 32966 80303 10067 20067 39830 40187 58003 90853 555 90109=
01	0453	MET10611/01/17 04:53:02 METAR KTYS 010953Z 36004KT 10SM BKN150 OVC250 08/07 A3009 RMK AO2 SLP188 T00780072 (JTD)
01	0553	MET10611/01/17 05:53:02 METAR KTYS 011053Z 04004KT 10SM SCT150 BKN250 07/07 A3012 RMK AO2 SLP197 T00670067 (JTD)
01	0653	MET13111/01/17 06:53:02 METAR KTYS 011153Z 12004KT 10SM FEW060 SCT150 OVC250 07/07 A3013 RMK AO2 SLP201 T00670067 10078 20061 53012 (JTD)
01	0700	SYN08072326 32766 81204 10067 20067 39843 40201 53012 91153 333 10172 20061 555 90112=
01	0753	MET11211/01/17 07:53:02 METAR KTYS 011253Z 08003KT 10SM FEW060 BKN150 OVC250 08/08 A3014 RMK AO2 SLP205 T00830078 (NS)
01	0853	MET11211/01/17 08:53:02 METAR KTYS 011353Z 00000KT 10SM FEW060 BKN100 OVC250 10/08 A3015 RMK AO2 SLP210 T01000083 (NS)
01	0953	MET11811/01/17 09:53:02 METAR KTYS 011453Z 00000KT 10SM FEW060 BKN100 OVC250 11/08 A3016 RMK AO2 SLP214 T01060083 51013 (NS)
01	1000	SYN06472326 32766 80000 10106 20083 39853 40214 51013 91453 555 90115=
01	1053	MET11211/01/17 10:53:02 METAR KTYS 011553Z 00000KT 10SM FEW060 BKN090 OVC250 12/09 A3016 RMK AO2 SLP212 T01220094 (NS)
01	1153	MET10511/01/17 11:53:02 METAR KTYS 011653Z 36003KT 10SM BKN090 OVC250 13/10 A3014 RMK AO2 SLP206 T01330100 (NS)
01	1253	MET13011/01/17 12:53:02 METAR KTYS 011753Z 03003KT 10SM FEW050 BKN100 OVC250 14/11 A3012 RMK AO2 SLP198 T01440106 10144 20067 58014 (NS)
01	1300	SYN08072326 32766 80303 10144 20106 39840 40198 58014 91753 333 10144 20067 555 90118=
01	1353	MET11211/01/17 13:53:02 METAR KTYS 011853Z 00000KT 10SM FEW050 BKN100 OVC250 14/11 A3011 RMK AO2 SLP193 T01440111 (NS)
01	1453	MET11311/01/17 14:53:02 METAR KTYS 011953Z 00000KT 10SM FEW050 SCT100 OVC250 16/11 A3010 RMK AO2 SLP192 T01560111 (ALG)
01	1553	MET11911/01/17 15:53:02 METAR KTYS 012053Z 00000KT 10SM FEW050 SCT100 OVC250 16/12 A3011 RMK AO2 SLP193 T01610117 55005 (ALG)
01	1600	SYN06472326 32766 80000 10161 20117 39837 40193 55005 92053 555 90121=
01	1653	MET11311/01/17 16:53:02 METAR KTYS 012153Z 13005KT 10SM FEW050 BKN130 OVC250 15/12 A3011 RMK AO2 SLP193 T01500117 (ALG)
01	1753	MET11311/01/17 17:53:02 METAR KTYS 012253Z 00000KT 10SM FEW100 BKN150 OVC250 14/12 A3009 RMK AO2 SLP189 T01390117 (ALG)
01	1853	MET13111/01/17 18:53:02 METAR KTYS 012353Z 05004KT 10SM FEW100 BKN150 OVC250 14/12 A3008 RMK AO2 SLP185 T01390117 10161 20139 58008 (ALG)
01	1900	SYN08072326 32966 80504 10139 20117 39827 40185 58008 92353 333 10161 20061 555 90200=
01	1953	MET10711/01/17 19:53:01 METAR KTYS 020053Z 00000KT 10SM BKN100 BKN150 OVC250 13/12 A3009 RMK AO2 SLP188 T01330122
01	2053	MET10011/01/17 20:53:02 METAR KTYS 020153Z 08004KT 10SM BKN100 OVC250 13/12 A3010 RMK AO2 SLP192 T01280122
01	2153	MET11311/01/17 21:53:02 METAR KTYS 020253Z 00000KT 10SM SCT100 BKN150 OVC250 12/12 A3011 RMK AO2 SLP195 T01220122 51009
01	2200	SYN06472326 32966 80000 10122 20122 39837 40195 51009 90253 555 90203=
01	2253	MET10011/01/17 22:53:02 METAR KTYS 020353Z 01004KT 10SM SCT100 BKN150 13/12 A3013 RMK AO2 SLP200 T01280122
01	2353	MET12611/01/17 23:53:02 METAR KTYS 020453Z 12003KT 10SM -RA BKN110 BKN150 12/12 A3013 RMK AO2 RAB10 SLP202 P0000 T01220122 401610061

**Local Climatological Data**  
**Hourly Precipitation**  
**November 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																								T	01	
02	T	T		T																						02
03			T	0.03	0.01	0.02	0.01	T	0.05	T			T			T	0.12		0.01	T						03
04																										04
05																										05
06							T	0.05	0.17	0.14																06
07	T	0.01	0.04	0.19	0.08	0.94	0.59	0.13	0.16	0.11	T	T	T					T	T							07
08				T				T	0.01	T																08
09	T	T		T	T	0.02		T	T	T	T															09
10																										10
11																										11
12																										12
13																										13
14																										14
15																		T	0.01	T	0.01					15
16																										16
17																										17
18														T	T		T	T	T	T	T	T	0.23	0.02	T	18
19	T				T	T																				19
20																										20
21																										21
22																										22
23																										23
24																										24
25																										25
26				M				M					M													26
27																										27
28																										28
29																										29
30																T	0.02	0.01						T	T	30
Maximum Short Duration Precipitation																										
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180														
Precipitation (inches)	0.18	0.30	0.42	0.51	0.66	0.88	1.03	1.27	1.40	1.53	1.56	1.68														
Ending Date Time (yyyy-mm-dd hh:mi)	2017-11-07 05:25	2017-11-07 05:30	2017-11-07 05:33	2017-11-07 05:39	2017-11-07 05:44	2017-11-07 06:00	2017-11-07 06:09	2017-11-07 06:27	2017-11-07 06:57	2017-11-07 07:02	2017-11-07 07:02	2017-11-07 08:05														

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