

## Local Climatological Data Daily Summary January 2018

Generated on 02/18/2019

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	23	12	18	-20.3	67	6	13	47	0	0746	1733		0.00	0.0	0	29.47	30.59	7.6	20	050	17	050		
02	29	8	19	-19.2	61	5	14	46	0	0746	1734		0.00	0.0	0	29.49	30.57	5.1	15	040	13	030		
03	34	14	24	-14.2	58	11	21	41	0	0747	1735		0.00	0.0	0	29.13	30.19	4.6	18	280	15	280		
04	29	13	21	-17.1	58	9	19	44	0	0747	1736		T	T	0	29.05	30.15	7.7	24	010	18	010		
05	24	10	17	-21.1	63	7	15	48	0	0747	1736		0.00	0.0	0	29.26	30.37	3.6	12	200	9	210		
06	28	7	18	-20.0	54	3	15	47	0	0747	1737		0.00	0.0	0	29.41	30.52	4.8	14	030	10	350		
07	35	9	22	-16.0	51	6	18	43	0	0747	1738		0.00	0.0	0	29.39	30.46	3.5	10	030	8	020		
08	34	26	30	-8.0	87	27	30	35	0	0747	1739	RA FZRA PL BR	0.19	T	0	29.16	30.24	2.3	9	090	8	090		
09	49	33	41	3.1	95	40	40	24	0	0747	1740	DZ BR	T	0.0	0	29.18	30.26	4.2	12	070	10	030		
10	69*	36	53	15.1	80			12	0	0747	1741	BR FG	0.00	0.0	0	29.13		4.2	27	180	21	190		
11	60	44	52	14.1	96	51	52	13	0	0746	1742	RA BR FG	0.12	0.0	0	28.99	30.02	3.9	12	270	12	270		
12	56	28	42	4.1	96			23	0	0746	1743	RA SN FG BR	0.44	0.3	0	28.68		9.0	36	280	30	280		
13	30	18	24	-13.9	73	17	22	41	0	0746	1744	SN	T	T	0	29.19	30.34	11.1	27	350	21	350		
14	29	16	23	-14.9	66	12	19	42	0	0746	1745	SN	T	T	0	29.45	30.55	6.1	19	040	13	030		
15	45	18	32	-5.9	68	21	27	33	0	0746	1746		0.00	0.0	0	29.33	30.41	5.0	26	240	22	230		
16	39	16	28	-10.0	78	22	26	37	0	0745	1747	SN BR HZ FG	0.12	1.4	1	29.31	30.42	5.6	18	280	15	290		
17	20	8	14	-24.0	70	5	11	51	0	0745	1748	SN	T	T	1	29.41	30.52	8.4	19	010	15	010		
18	33	7*	20	-18.0	68	10	17	45	0	0745	1749		0.00	0.0	T	29.38	30.47	2.0			5	240		
19	47	14	31	-7.1	57	14	25	34	0	0744	1750		0.00	0.0	0	29.21	30.29	3.1	14	220	12	230		
20	58	30	44	5.9	57	29	38	21	0	0744	1751		0.00	0.0	0	29.17	30.23	3.8	15	200	12	210		
21	65	35	50	11.8	74	39	43	15	0	0743	1752		0.00	0.0	0	29.15	30.19	2.5	14	240	12	230		
22	66	36	51	12.7	82	45	48	14	0	0743	1753	RA	0.03	0.0	0	28.95	29.95	5.7	26	200	22	200		
23	60	41	51	12.7	57	33	42	14	0	0742	1754		T	0.0	0	28.86	29.95	16.0	41	230	31	230		
24	45	34	39	0.6	62	27	34	26	0	0742	1755		0.00	0.0	0	29.18	30.27	7.5	21	250	16	250		
25	53	24	39	0.5	60	24	33	26	0	0741	1756		0.00	0.0	0	29.41	30.49	2.5	11	030	9	030		
26	55	25	40	1.4	59	24	33	25	0	0741	1757		0.00	0.0	0	29.44	30.52	1.2	8	280	7	270		
27	60	35	48	9.3	68	37	43	17	0	0740	1758	RA	T	0.0	0	29.31	30.36	4.3	25	210	21	210		
28	52	47	49	10.1	99			16	0	0739	1759	RA BR FG	0.64	0.0	0	29.15		5.0	18	360	15	360		
29	54	33	44	5.0	61	31	39	21	0	0739	1800	RA SN	T	T	0	29.08	30.16	7.7	33	320	25	320		
30	39	25	32	-7.1	55	18	27	33	0	0738	1801	SN HZ	T	T	0	29.29	30.38	7.9	27	350	18	350		
31	57	21	39	-0.3	51	19	31	26	0	0737	1802		0.00	0.0	0	29.16	30.20	7.2	29	240	24	230		
<b>Monthly Averages   Totals</b>													1.54	1.7		29.22	30.30	5.6						
<b>Departure from Normal (1981-2010)</b>													-2.78											

Degree Days				Number of days with...								
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather	
Total	Departure	Total	Departure	Max		Min						
Heating	Cooling	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog		
962	133	2345		0	8	21	0	6	5	1		
0	0	0		0	8	21	0	6	5	1		

  

Date of 5-sec to 3-sec wind equipment change		Sea Level Pressure				Greatest...	
2007-04-17		Maximum		Date	Time	24-Hr...	
		Minimum				Precip	Snowfall
		30.69		02	0953	Snow Depth	
		29.53		12	1453	0.64	1.4
						Date	
						28-28	16-16
						17	

**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 January 2018

Generated on 02/18/2019

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	FEW:02 200	10.00		15	-9.4	12	-10.9	4	-15.6	61	7	350		29.37	3	-0.04	30.47	FM-15	0.00	30.43
01	0100	4		9.94		15	-9.4	12	-10.9	4	-15.6	61	7	350		29.36	3	-0.04	30.47	FM-12		30.43
01	0153	7	CLR:00	10.00		14	-10.0	12	-11.2	5	-15.0	67	8	350		29.38			30.47	FM-15	0.00	30.44
01	0253	7	CLR:00	10.00		14	-10.0	12	-11.2	5	-15.0	67	7	360		29.40			30.49	FM-15	0.00	30.46
01	0353	7	CLR:00	10.00		13	-10.6	11	-11.5	6	-14.4	74	8	010		29.41	3	-0.04	30.51	FM-15	0.00	30.47
01	0453	7	CLR:00	10.00		13	-10.6	11	-11.5	6	-14.4	74	8	350		29.42			30.52	FM-15	0.00	30.48
01	0553	7	CLR:00	10.00		12	-11.1	11	-11.8	7	-13.9	80	8	020		29.44			30.54	FM-15	0.00	30.50
01	0653	7	CLR:00	10.00		12	-11.1	11	-11.8	7	-13.9	80	6	010		29.45	3	-0.04	30.56	FM-15	0.00	30.51
01	0700	4		9.94		12	-11.1	11	-11.8	7	-13.9	80	6	010		29.44	3	-0.04	30.56	FM-12		30.51
01	0753	7	FEW:02 150 SCT:04 250	10.00		12	-11.1	11	-11.8	7	-13.9	80	6	010		29.48			30.58	FM-15	0.00	30.54
01	0853	7	SCT:04 150 BKN:07 250	10.00		13	-10.6	12	-11.2	8	-13.3	81	5	070		29.49			30.61	FM-15	0.00	30.56
01	0953	7	FEW:02 36 SCT:04 150 BKN:07 250	10.00		15	-9.4	13	-10.4	8	-13.3	74	10	040		29.52	1	-0.06	30.62	FM-15	0.00	30.58
01	1000	4	41	9.94		15	-9.4	13	-10.4	8	-13.3	74	10	040		29.50	1	-0.06	30.62	FM-12		30.58
01	1053	7	BKN:07 33 BKN:07 120 BKN:07 250	10.00		19	-7.2	16	-8.7	9	-12.8	65	9	070		29.54			30.64	FM-15	0.00	30.60
01	1153	7	OVC:08 34	10.00		18	-7.8	15	-9.3	7	-13.9	62	11	050		29.52			30.63	FM-15	0.00	30.59
01	1253	7	OVC:08 35	10.00		19	-7.2	16	-9.0	6	-14.4	57	10	040		29.51	8	+0.01	30.61	FM-15	0.00	30.57
01	1300	4	41	9.94		19	-7.2	16	-9.0	6	-14.4	57	10	040		29.49	8	+0.01	30.61	FM-12		30.57
01	1353	7	BKN:07 37	10.00		20	-6.7	16	-8.6	6	-14.4	55	9	060		29.49			30.60	FM-15	0.00	30.56
01	1453	7	BKN:07 39	10.00		20	-6.7	16	-8.6	6	-14.4	55	6	VRB		29.49			30.60	FM-15	0.00	30.56
01	1553	7	BKN:07 42	10.00		21	-6.1	17	-8.2	6	-14.4	52	10	020		29.51	3	-0.00	30.61	FM-15	0.00	30.57
01	1600	4	41	9.94		21	-6.1	17	-8.2	6	-14.4	52	10	020		29.49	4	0.00	30.61	FM-12		30.57
01	1653	7	SCT:04 38	10.00		20	-6.7	16	-8.6	6	-14.4	55	10	010	17	29.52			30.63	FM-15	0.00	30.58
01	1753	7	FEW:02 38	10.00		18	-7.8	15	-9.4	6	-14.4	59	8	360		29.52			30.63	FM-15	0.00	30.59
01	1853	7	FEW:02 38	10.00		17	-8.3	14	-9.8	6	-14.4	62	10	360		29.54	3	-0.03	30.65	FM-15	0.00	30.60
01	1900	4	41	9.94		17	-8.3	14	-9.8	6	-14.4	62	10	360		29.52	3	-0.03	30.65	FM-12		30.60
01	1953	7	FEW:02 35	10.00		16	-8.9	14	-10.2	6	-14.4	65	7	010		29.54			30.65	FM-15	0.00	30.60
01	2053	7	FEW:02 35	10.00		14	-10.0	12	-11.0	6	-14.4	71	3	100		29.54			30.66	FM-15	0.00	30.61
01	2153	7	FEW:02 35	10.00		14	-10.0	12	-11.0	6	-14.4	71	3	020		29.54	1	-0.01	30.66	FM-15	0.00	30.61
01	2200	4	41	9.94		14	-10.0	12	-11.0	6	-14.4	71	3	020		29.53	1	-0.01	30.66	FM-12		30.61
01	2253	7	FEW:02 35	10.00		14	-10.0	12	-11.0	6	-14.4	71	7	010		29.55			30.67	FM-15	0.00	30.62
01	2353	7	FEW:02 35	10.00		13	-10.6	11	-11.5	6	-14.4	74	5	030		29.56			30.67	FM-15	0.00	30.63

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**  
**January 2018**

Generated on 02/18/2019

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

Date	Time (LST)	Remarks
01	0053	MET11801/01/18 00:53:02 METAR KTYS 010553Z 35006KT 10SM FEW200 M09/M16 A3043 RMK AO2 SLP319 T10941156 11056 21094 53012 (GW)
01	0100	SYN08072326 32966 23506 11094 21156 39942 40319 53012 90553 333 11039 21094 555 90106=
01	0153	MET09801/01/18 01:53:02 METAR KTYS 010653Z 35007KT 10SM CLR M10/M15 A3044 RMK AO2 SLP320 T11001150 (JTD)
01	0253	MET09801/01/18 02:53:02 METAR KTYS 010753Z 36006KT 10SM CLR M10/M15 A3046 RMK AO2 SLP326 T11001150 (JTD)
01	0353	MET10401/01/18 03:53:02 METAR KTYS 010853Z 01007KT 10SM CLR M11/M14 A3047 RMK AO2 SLP332 T11061144 53012 (JTD)
01	0453	MET09801/01/18 04:53:02 METAR KTYS 010953Z 35007KT 10SM CLR M11/M14 A3048 RMK AO2 SLP336 T11061144 (JTD)
01	0553	MET09801/01/18 05:53:02 METAR KTYS 011053Z 02007KT 10SM CLR M11/M14 A3050 RMK AO2 SLP341 T11111139 (JTD)
01	0653	MET11601/01/18 06:53:02 METAR KTYS 011153Z 01005KT 10SM CLR M11/M14 A3051 RMK AO2 SLP348 T11111139 11094 21111 53014 (JTD)
01	0700	SYN08072326 32966 00105 11111 21139 39968 40348 53014 91153 333 11011 21111 555 90112=
01	0753	MET10801/01/18 07:53:02 METAR KTYS 011253Z 01005KT 10SM FEW150 SCT250 M11/M14 A3054 RMK AO2 SLP357 T11111139 (JTD)
01	0853	MET10701/01/18 08:53:02 METAR KTYS 011353Z 07004KT 10SM SCT150 BKN250 M11/M13 A3056 RMK AO2 SLP365 T11061133 (MB)
01	0953	MET12001/01/18 09:53:02 METAR KTYS 011453Z 04009KT 10SM FEW036 SCT150 BKN250 M09/M13 A3058 RMK AO2 SLP370 T10941133 51022 (MB)
01	1000	SYN06472326 32666 60409 11094 21133 39991 40370 51022 91453 555 90115=
01	1053	MET11401/01/18 10:53:02 METAR KTYS 011553Z 07008KT 10SM BKN033 BKN120 BKN250 M07/M13 A3060 RMK AO2 SLP376 T10721128 (MB)
01	1153	MET10001/01/18 11:53:02 METAR KTYS 011653Z 05010KT 10SM OVC034 M08/M14 A3059 RMK AO2 SLP374 T10781139 (MB)
01	1253	MET11801/01/18 12:53:02 METAR KTYS 011753Z 04009KT 10SM OVC035 M07/M14 A3057 RMK AO2 SLP366 T10721144 11072 21111 58004 (MB)
01	1300	SYN08072326 32666 80409 11072 21144 39988 40366 58004 91753 333 11072 21111 555 90118=
01	1353	MET10001/01/18 13:53:02 METAR KTYS 011853Z 06008KT 10SM BKN037 M07/M14 A3056 RMK AO2 SLP364 T10671144 (MB)
01	1453	MET10001/01/18 14:53:02 METAR KTYS 011953Z VRB05KT 10SM BKN039 M07/M14 A3056 RMK AO2 SLP364 T10671144 (MB)
01	1553	MET10601/01/18 15:53:02 METAR KTYS 012053Z 02009KT 10SM BKN042 M06/M14 A3057 RMK AO2 SLP366 T10611144 53000 (MB)
01	1600	SYN06472326 32666 60209 11061 21144 39988 40366 53000 92053 555 90121=
01	1653	MET10401/01/18 16:53:02 METAR KTYS 012153Z 01009G15KT 10SM SCT038 M07/M14 A3058 RMK AO2 SLP371 T10671144 (ALG)
01	1753	MET10101/01/18 17:53:02 METAR KTYS 012253Z 36007KT 10SM FEW038 M08/M14 A3059 RMK AO2 SLP374 T10781144 (ALG)
01	1853	MET11901/01/18 18:53:02 METAR KTYS 012353Z 36009KT 10SM FEW038 M08/M14 A3060 RMK AO2 SLP379 T10831144 11050 21083 53011 (ALG)
01	1900	SYN08072326 32666 23609 11083 21144 39998 40379 53011 92353 333 11050 21111 555 90200=
01	1953	MET09501/01/18 19:53:01 METAR KTYS 020053Z 01006KT 10SM FEW035 M09/M14 A3060 RMK AO2 SLP380 T10891144
01	2053	MET09501/01/18 20:53:01 METAR KTYS 020153Z 10003KT 10SM FEW035 M10/M14 A3061 RMK AO2 SLP383 T11001144
01	2153	MET10101/01/18 21:53:02 METAR KTYS 020253Z 02003KT 10SM FEW035 M10/M14 A3061 RMK AO2 SLP383 T11001144 51004
01	2200	SYN06472326 32666 20203 11100 21144 30001 40383 51004 90253 555 90203=
01	2253	MET09501/01/18 22:53:02 METAR KTYS 020353Z 01006KT 10SM FEW035 M10/M14 A3062 RMK AO2 SLP385 T11001144
01	2353	MET10501/01/18 23:53:02 METAR KTYS 020453Z 03004KT 10SM FEW035 M11/M14 A3063 RMK AO2 SLP386 T11061144 410501111

## Local Climatological Data Hourly Precipitation January 2018

Generated on 02/18/2019

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																								02		
03																								03		
04										T		T	T											04		
05																								05		
06																								06		
07																								07		
08							T	0.02	0.05s	0.04	0.03	0.01	T	0.01	0.02	0.01	T						08			
09					T	T	T																	09		
10																								10		
11												T	0.06	0.01		T	T	0.04	T	T	0.01	T	T	11		
12							T		T	0.03	0.09	0.08	0.07	0.02	0.05	0.01	0.07		0.04	T	T	0.01	0.01	T	T	12
13	T															T					T				13	
14								T	T																14	
15																									15	
16														T	0.03	0.05	0.01	0.01	0.02	T	T			T	16	
17							T	T	T	T	T		T												17	
18																									18	
19																									19	
20																									20	
21																									21	
22														T	0.02	0.01									22	
23		T																							23	
24																									24	
25																									25	
26																									26	
27																				T			T	T	27	
28	T	T	0.02	0.02	0.03	0.04	0.05	0.03	0.03	0.06	0.04	0.12	0.05	0.04	0.05	0.05	0.01					T	T	T	28	
29		T	T	T	T																	T	T	T	29	
30			T	T	T			T																	30	
31																									31	

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