

Local Climatological Data
Daily Summary
April 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	65	47	56	1.3	66	44	49	9	0	0623	1858		0.00	0.0	0	29.01	30.07	5.7	19	020	15	030		
02	78	43	60	5.0	55	37	46	5	0	0621	1858		0.00	0.0	0	29.02	30.14	4.6	16	030	14	030		
03	70	57	64	8.7	71	51	56	1	0	0620	1859	TS RA BR	1.78	0.0	0	28.74	29.78	9.7	52	210	38	210		
04	76	58	67	11.5	59	52	58	0	2	0619	1900		T	0.0	0	28.74	29.78	11.4	25	220	21	220		
05	75	51	63	7.2	72	53	57	2	0	0617	1901	TS RA	0.33	0.0	0	28.70	29.70	8.8	31	290	24	290		
06	60	45	52	-4.1	70	39	44	13	0	0616	1902	RA	0.06	0.0	0	28.70	29.75	17.2	36	240	28	240		
07	59	39	49	-7.4	49	30	41	16	0	0614	1903	RA	0.01	0.0	0	28.94	30.00	10.2	38	260	25	270		
08	65	36*	50	-6.7	45	28	42	15	0	0613	1903		0.00	0.0	0	29.05	30.09	1.4	11	200	9	200		
09	77	37	57	0.0	43	34	47	8	0	0612	1904		0.00	0.0	0	29.05	30.10	5.3	22	240	16	240		
10	81	55	68	10.8	35	39	53	0	3	0610	1905		0.00	0.0	0	29.11	30.16	10.1	25	250	22	230		
11	82	54	68	10.5	49	48	57	0	3	0609	1906	RA	0.02	0.0	0	29.15	30.18	7.5	27	200	20	210		
12	79	58	68	10.2	56	48	57	0	3	0607	1907		0.09	0.0	0	29.21	30.24	6.2	17	340	14	340		
13	83	51	67	8.9	41	40	54	0	2	0606	1908		0.00	0.0	0	29.19	30.22	3.6	14	290	12	280		
14	84	48	66	7.6	48	47	56	0	1	0605	1908		0.00	0.0	0	29.16	30.20	4.3	16	270	13	200		
15	84	60	72	13.3	49	50	60	0	7	0603	1909		0.00	0.0	0	29.18	30.21	9.2	28	220	23	240		
16	82	63	72	13.0	50	52	60	0	7	0602	1910		0.00	0.0	0	29.12	30.13	12.0	31	200	24	210		
17	77	62	70	10.8	75	58	61	0	5	0601	1911	TS RA BR	0.69	T	0	29.04	30.07	4.9	43	290	31	260		
18	70	61	66	6.5	89	61	62	0	1	0600	1912	TS RA BR	0.47	0.0	0	29.11	30.16	3.7	23	290	10	290		
19	79	60	70	10.2	79	61	63	0	5	0558	1913	TS RA BR	T	0.0	0	29.16	30.19	4.2	24	150	17	140		
20	81	62	72	11.9	73	61	64	0	7	0557	1913	RA BR	0.26	0.0	0	29.08	30.09	6.3	22	320	17	310		
21	82	65	74	13.6	71	61	65	0	9	0556	1914	TS RA BR	0.38	0.0	0	28.92	29.93	7.7	21	320	17	320		
22	75	59	67	6.3	83	59	62	0	2	0554	1915	TS RA BR	0.86	0.0	0	28.84	29.84	7.6	25	360	20	360		
23	60	53	56	-4.9	93	55	56	9	0	0553	1916	RA BR	1.97	0.0	0	28.76	29.78	10.0			17	030		
24	69	52	60	-1.2	77	52	55	5	0	0552	1917		0.00	0.0	0	28.74	29.76	7.9	20	030	15	030		
25	72	52	62	0.5	73	53	57	3	0	0551	1918		0.00	0.0	0	28.71	29.74	4.0	12	090	10	030		
26	83	52	68	6.2	67	56	61	0	3	0550	1918	FG	0.00	0.0	0	28.71	29.72	5.0			20	200		
27	76	61	68	6.0	74	58	62	0	3	0548	1919	TS RA BR	0.69	0.0	0	28.72	29.74	7.5	25	250	21	240		
28	83	54	68	5.7	70	60	64	0	3	0547	1920		0.00	0.0	0	28.91	29.95	5.9	22	240	16	230		
29	89*	64	76	13.4	61	62	68	0	11	0546	1921		0.00	0.0	0	28.99	30.02	8.2	27	220	22	220		
30	85	67	76	13.1	58	60	66	0	11	0545	1922	RA	T	0.0	0	28.95	29.96	12.3	34	180	26	180		
	76.0	54.2	65.1							Monthly Averages Totals			7.61	T		28.95	29.99	7.4						
	5.7	6.9	6.3		Departure from Normal (1981-2010)							3.60												
	Degree Days											Number of days with...												
	Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather							
	Total	Departure	Total	Departure	Max	Min	Max	Min	Max	Min	Max	Min	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog							
Heating	84	-134	2578		>=90°	<=32°	<=32°	<=0°					13	9	0									
Cooling	87	55	90		0	0	0	0																
Date of 5-sec to 3-sec wind equipment change											Sea Level Pressure				Greatest...									
2007-04-17											Maximum		30.31	Date		15	Time		1021	24-Hr...		Snow Depth		
											Minimum		29.50			05			2007	Precip	Snowfall			
																				2.71	T	0		
											Date		22-23		17-17									
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 April 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 37	10.00		55	12.8	50	10.2	46	7.8	72	10	280		28.91	1	-0.03	29.95	FM-15	0.00	29.96
01	0100	4	41	9.94		55	12.8	50	10.2	46	7.8	72	10	280		28.90	1	-0.03	29.95	FM-12		29.96
01	0153	7	FEW:02 27 OVC:08 35	10.00		54	12.2	50	10.2	47	8.3	77	8	280		28.93			29.96	FM-15	0.00	29.98
01	0253	7	OVC:08 32	10.00		54	12.2	49	9.4	44	6.7	69	8	280		28.94			29.97	FM-15	0.00	29.99
01	0353	7	OVC:08 33	10.00		53	11.7	49	9.4	45	7.2	74	6	300		28.95	1	-0.04	29.99	FM-15	0.00	30.00
01	0400	4	26	9.94		53	11.7	49	9.4	45	7.2	74	6	300		28.94	1	-0.04	29.99	FM-12		30.00
01	0428	7	BKN:07 27 OVC:08 33	10.00		53	11.7	48	9.2	44	6.7	72	3	310		28.96				FM-16		30.01
01	0453	7	OVC:08 28	10.00		53	11.7	48	9.2	44	6.7	72	3	310		28.97			30.01	FM-15	0.00	30.02
01	0553	7	OVC:08 28	10.00		52	11.1	48	9.2	45	7.2	77	3	290		28.98			30.02	FM-15	0.00	30.03
01	0617	7	SCT:04 28 OVC:08 32	10.00		52	11.1	48	9.2	45	7.2	77	3	290		28.99				FM-16		30.04
01	0653	7	SCT:04 28 OVC:08 32	10.00		52	11.1	48	9.2	45	7.2	77	3	310		29.01	3	-0.06	30.05	FM-15	0.00	30.06
01	0700	4	26	9.94		52	11.1	48	9.2	45	7.2	77	3	310		29.00	3	-0.06	30.05	FM-12		30.06
01	0753	7	OVC:08 31	10.00		53	11.7	49	9.4	45	7.2	74	3	300		29.03			30.07	FM-15	0.00	30.08
01	0853	7	SCT:04 19 OVC:08 30	10.00		54	12.2	50	9.9	46	7.8	75	5	290		29.04			30.08	FM-15	0.00	30.09
01	0950	7	OVC:08 25	10.00		54	12.0	49	9.7	45	7.0	72	5	030		29.06				FM-16		30.11
01	0953	7	OVC:08 25	10.00		55	12.8	49	9.7	44	6.7	67	6	010		29.07	3	-0.06	30.11	FM-15	0.00	30.12
01	1000	4	26	9.94		55	12.8	49	9.7	44	6.7	67	6	010		29.06	3	-0.06	30.11	FM-12		30.12
01	1053	7	OVC:08 25	10.00		55	12.8	49	9.7	44	6.7	67	0	000		29.08			30.11	FM-15	0.00	30.13
01	1108	7	OVC:08 30	10.00		56	13.3	50	10.0	44	6.7	65	5	070		29.07				FM-16		30.12
01	1153	7	OVC:08 30	10.00		57	13.9	50	10.2	44	6.7	62	0	000		29.07			30.10	FM-15	0.00	30.12
01	1253	7	BKN:07 34	10.00		59	15.0	51	10.7	44	6.7	58	6	330		29.05	8	+0.01	30.09	FM-15	0.00	30.10
01	1300	4	41	9.94		59	15.0	51	10.7	44	6.7	58	6	330		29.04	8	+0.01	30.09	FM-12		30.10
01	1353	7	SCT:04 34	10.00		60	15.6	52	11.0	44	6.7	56	3	VRB		29.05			30.09	FM-15	0.00	30.10
01	1453	7	SCT:04 40	10.00		62	16.7	53	11.7	45	7.2	54	0	000		29.04			30.08	FM-15	0.00	30.09
01	1553	7	SCT:04 40	10.00		64	17.8	53	11.9	44	6.7	48	0	000		29.03	8	+0.02	30.07	FM-15	0.00	30.08
01	1600	4	41	9.94		64	17.8	53	11.9	44	6.7	48	0	000		29.02	8	+0.02	30.07	FM-12		30.08
01	1653	7	FEW:02 40	10.00		64	17.8	53	11.7	43	6.1	46	5	010		29.04			30.08	FM-15	0.00	30.09
01	1753	7	CLR:00	10.00		63	17.2	53	11.5	43	6.1	48	8	030		29.05			30.09	FM-15	0.00	30.10
01	1853	7	CLR:00	10.00		58	14.4	51	10.5	44	6.7	60	10	030		29.07	3	-0.04	30.11	FM-15	0.00	30.12
01	1900	4		9.94		58	14.4	51	10.5	44	6.7	60	10	030		29.06	3	-0.04	30.11	FM-12		30.12
01	1953	7	CLR:00	10.00		55	12.8	49	9.2	42	5.6	62	13	020		29.09			30.13	FM-15	0.00	30.14
01	2053	7	CLR:00	10.00		52	11.1	47	8.4	42	5.6	69	13	020		29.11			30.15	FM-15	0.00	30.16
01	2153	7	CLR:00	10.00		50	10.0	45	7.4	40	4.4	68	11	030		29.12	1	-0.04	30.16	FM-15	0.00	30.17
01	2200	4		9.94		50	10.0	45	7.4	40	4.4	68	11	030		29.10	1	-0.04	30.16	FM-12		30.17
01	2253	7	CLR:00	10.00		48	8.9	44	6.8	40	4.4	74	6	020		29.12			30.16	FM-15	0.00	30.17
01	2353	7	CLR:00	10.00		47	8.3	44	6.5	40	4.4	77	5	040		29.11			30.15	FM-15	0.00	30.16

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
April 2017

Generated on 04/11/2018

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

Date	Time (LST)	Remarks
01	0053	MET11604/01/17 00:53:02 METAR KTYS 010553Z 28009KT 10SM OVC037 13/08 A2996 RMK AO2 SLP142 T01280078 10150 20128 51010 (GW)
01	0100	SYN08072326 32666 82809 10128 20078 39787 40142 51010 90553 333 10150 20128 555 90106=
01	0153	MET10504/01/17 01:53:02 METAR KTYS 010653Z 28007KT 10SM FEW027 OVC035 12/08 A2998 RMK AO2 SLP147 T01220083 (GW)
01	0253	MET09804/01/17 02:53:02 METAR KTYS 010753Z 28007KT 10SM OVC032 12/07 A2999 RMK AO2 SLP150 T01220067 (GW)
01	0353	MET10404/01/17 03:53:02 METAR KTYS 010853Z 30005KT 10SM OVC033 12/07 A3000 RMK AO2 SLP155 T01170072 51013 (GW)
01	0400	SYN06472326 32566 83005 10117 20072 39800 40155 51013 90853 555 90109=
01	0428	MET09804/01/17 04:28:02 SPECI KTYS 010928Z 31003KT 10SM BKN027 OVC033 12/07 A3001 RMK AO2 T01170067 (GW)
01	0453	MET09804/01/17 04:53:02 METAR KTYS 010953Z 31003KT 10SM OVC028 12/07 A3002 RMK AO2 SLP161 T01170067 (GW)
01	0553	MET09804/01/17 05:53:02 METAR KTYS 011053Z 29003KT 10SM OVC028 11/07 A3003 RMK AO2 SLP166 T01110072 (GW)
01	0617	MET09804/01/17 06:17:02 SPECI KTYS 011117Z 29003KT 10SM SCT028 OVC032 11/07 A3004 RMK AO2 T01110072 (GW)
01	0653	MET12304/01/17 06:53:02 METAR KTYS 011153Z 31003KT 10SM SCT028 OVC032 11/07 A3006 RMK AO2 SLP176 T01110072 10128 20111 53020 (GW)
01	0700	SYN08072326 32566 83103 10111 20072 39820 40176 53020 91153 333 10167 20111 555 90112=
01	0753	MET09804/01/17 07:53:02 METAR KTYS 011253Z 30003KT 10SM OVC031 12/07 A3008 RMK AO2 SLP183 T01170072 (NS)
01	0853	MET10504/01/17 08:53:02 METAR KTYS 011353Z 29004KT 10SM SCT019 OVC030 12/08 A3009 RMK AO2 SLP186 T01220078 (NS)
01	0950	MET08104/01/17 09:50:02 SPECI KTYS 011450Z 03004KT 10SM OVC025 12/07 A3011 RMK AO2 (NS)
01	0953	MET10404/01/17 09:53:02 METAR KTYS 011453Z 01005KT 10SM OVC025 13/07 A3012 RMK AO2 SLP195 T01280067 53019 (NS)
01	1000	SYN06472326 32566 80105 10128 20067 39840 40195 53019 91453 555 90115=
01	1053	MET09804/01/17 10:53:02 METAR KTYS 011553Z 00000KT 10SM OVC025 13/07 A3013 RMK AO2 SLP198 T01280067 (NS)
01	1108	MET09104/01/17 11:08:02 SPECI KTYS 011608Z 07004KT 10SM OVC030 13/07 A3012 RMK AO2 T01330067 (NS)
01	1153	MET09804/01/17 11:53:02 METAR KTYS 011653Z 00000KT 10SM OVC030 14/07 A3012 RMK AO2 SLP194 T01390067 (NS)
01	1253	MET11604/01/17 12:53:02 METAR KTYS 011753Z 33005KT 10SM BKN034 15/07 A3010 RMK AO2 SLP190 T01500067 10150 20111 58004 (NS)
01	1300	SYN08072326 32666 63305 10150 20067 39833 40190 58004 91753 333 10150 20111 555 90118=
01	1353	MET09804/01/17 13:53:02 METAR KTYS 011853Z VRB03KT 10SM SCT034 16/07 A3010 RMK AO2 SLP190 T01560067 (NS)
01	1453	MET09804/01/17 14:53:02 METAR KTYS 011953Z 00000KT 10SM SCT040 17/07 A3009 RMK AO2 SLP185 T01670072 (NS)
01	1553	MET09904/01/17 15:53:02 METAR KTYS 012053Z 00000KT 10SM SCT040 18/07 A3008 RMK AO2 SLP182 T01780067 58007
01	1600	SYN06472326 32666 40000 10178 20067 39827 40182 58007 92053 555 90121=
01	1653	MET09804/01/17 16:53:02 METAR KTYS 012153Z 01004KT 10SM FEW040 18/06 A3009 RMK AO2 SLP185 T01780061 (BB)
01	1753	MET09504/01/17 17:53:02 METAR KTYS 012253Z 03007KT 10SM CLR 17/06 A3010 RMK AO2 SLP190 T01720061 (BB)
01	1853	MET11304/01/17 18:53:02 METAR KTYS 012353Z 03009KT 10SM CLR 14/07 A3012 RMK AO2 SLP197 T01440067 10183 20144 53012 (BB)
01	1900	SYN08072326 32966 00309 10144 20067 39840 40197 53012 92353 333 10183 20111 555 90200=
01	1953	MET09004/01/17 19:53:01 METAR KTYS 020053Z 02011KT 10SM CLR 13/06 A3014 RMK AO2 SLP203 T01280056
01	2053	MET09004/01/17 20:53:01 METAR KTYS 020153Z 02011KT 10SM CLR 11/06 A3016 RMK AO2 SLP210 T01110056
01	2153	MET09604/01/17 21:53:02 METAR KTYS 020253Z 03010KT 10SM CLR 10/04 A3017 RMK AO2 SLP214 T01000044 51015
01	2200	SYN06472326 32966 00310 10100 20044 39856 40214 51015 90253 555 90203=
01	2253	MET09004/01/17 22:53:02 METAR KTYS 020353Z 02005KT 10SM CLR 09/04 A3017 RMK AO2 SLP214 T00890044
01	2353	MET10004/01/17 23:53:02 METAR KTYS 020453Z 04004KT 10SM CLR 08/04 A3016 RMK AO2 SLP211 T00830044 401830083

Local Climatological Data
Hourly Precipitation
April 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																								02	
03							T	0.05	0.32	0.54	0.27	0.52	0.08	T	T								T	03	
04	T	T																						04	
05																					0.01	0.10	0.22	T	05
06				T	0.01	T	T	T	T	T	T	T	T	0.01	0.01	0.01	0.02	T	T		T		T	06	
07		T		0.01	T																			07	
08																								08	
09																								09	
10																								10	
11																							0.02	11	
12	0.09																							12	
13																								13	
14																								14	
15																								15	
16																								16	
17							T	0.02	0.02	T					0.51	T	T		T	0.09	T	0.01	0.04	T	17
18				T	0.01		T	T	0.02	0.02	0.02	0.02	0.03	0.02	T				T	0.30	0.02	0.01	0.01	T	18
19	T	T	T															T						19	
20					0.01	0.20	0.05																	20	
21		T	T											T	T						0.29	0.09	T	T	21
22	0.05									0.01s	0.01	0.01						0.21	0.24	0.19	0.13	0.01	T	22	
23		T	0.01	0.04s	0.21	0.17	0.08	0.04	0.27	0.19	0.10	0.06	0.03	0.10	0.15	0.40	0.08	0.02	0.02	T	T	T	T	23	
24																								24	
25																								25	
26																								26	
27						T	0.25s	0.07	0.03	0.19	0.01	0.01	0.13											27	
28																								28	
29																								29	
30																						T	T	T	30

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.35	0.50	0.51	0.52	0.52	0.52	0.57	0.71	0.83	0.94	1.14	1.36
Ending Date Time (yyyy-mm-dd hh:mi)	2017-04-17 14:49	2017-04-17 14:54	2017-04-17 14:55	2017-04-17 14:55	2017-04-17 14:55	2017-04-17 14:55	2017-04-17 14:55	2017-04-03 09:43	2017-04-03 09:59	2017-04-03 10:17	2017-04-03 10:17	2017-04-03 11:29

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