

Local Climatological Data
Daily Summary
April 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	74	47	60	5.3	52	43	52	5	0	0623	1858		T	0.0	0	29.02	30.04	7.9	19	240	16	210			
02	74	56	65	10.0	62	49	56	0	0	0621	1858		T	0.0	0	28.90	29.93	5.3	18	230	14	300			
03	78	50	64	8.7	69	54	59	1	0	0620	1859	TS RA	0.02	0.0	0	28.83	29.84	11.4	42	200	35	240			
04	73	41	57	1.5	58	36	44	8	0	0619	1900	TS RA BR	0.41	0.0	0	28.96	30.03	12.9	45	280	36	280			
05	61	33	47	-8.8	45	25	38	18	0	0617	1901		0.00	0.0	0	29.15	30.18	4.4	14	030	12	030			
06	61	38	49	-7.1	78	41	45	16	0	0616	1902	RA BR	0.64	0.0	0	28.96	29.99	6.3	28	230	24	240			
07	50	35	43	-13.4	93	39	40	22	0	0614	1903	RA DZ BR	0.36	0.0	0	28.82	29.89	9.2	23	010	18	350			
08	50	31*	41	-15.7	59	28	36	24	0	0613	1903		0.00	0.0	0	28.94	30.00	8.5	20	050	16	040			
09	58	39	48	-9.0	78	40	44	17	0	0612	1904	RA BR	0.08	0.0	0	28.97	30.04	3.7	11	300	9	040			
10	62	40	51	-6.2	57	35	44	14	0	0610	1905		0.00	0.0	0	29.10	30.16	5.4	17	360	13	360			
11	65	38	51	-6.5	54	35	44	14	0	0609	1906		0.00	0.0	0	29.12	30.17	3.0	13	190	12	200			
12	78	41	60	2.2	50	40	51	5	0	0607	1907		0.00	0.0	0	29.03	30.06	9.6	31	230	25	230			
13	81	54	67	8.9	46	46	56	0	2	0606	1908		0.00	0.0	0	28.95	29.98	13.2	32	200	24	230			
14	81*	59	70	11.6	66	56	61	0	5	0605	1908	RA BR	0.09	0.0	0	28.87	29.88	11.0	35	210	29	190			
15	68	43	55	-3.7	90	52	54	10	0	0603	1909	RA BR	0.84	0.0	0	28.71	29.73	9.8	34	270	26	270			
16	43	33	38	-21.0	75	31	35	27	0	0602	1910	RA SN PL	0.01	T	0	28.89	29.97	13.6	31	270	25	270			
17	68	32	50	-9.2	60	37	44	15	0	0601	1911		0.00	0.0	0	28.94	29.97	10.4	30	240	25	240			
18	79	58	68	8.5	52	50	58	0	3	0600	1912		0.00	0.0	0	28.80	29.82	19.0	39	230	31	220			
19	67	37	52	-7.8	56	36	44	13	0	0558	1913	RA	T	0.0	0	29.02	30.11	12.4	30	230	25	230			
20	66	36	51	-9.1	49	32	42	14	0	0557	1913		0.00	0.0	0	29.27	30.33	9.4	23	040	17	030			
21	74	39	56	-4.4	43	34	46	9	0	0556	1914		0.00	0.0	0	29.23	30.27	4.0	15	030	12	030			
22	67	48	57	-3.7	68	47	53	8	0	0554	1915	RA	0.09	0.0	0	29.13	30.15	5.2	16	100	13	020			
23	60	54	57	-3.9	93	55	55	8	0	0553	1916	RA BR	0.71	0.0	0	28.94	29.96	9.2	22	070	17	040			
24	68	54	61	-0.2	91	56	57	4	0	0552	1917	RA BR	0.78	0.0	0	28.82	29.84	6.7	22	250	17	280			
25	65	54	59	-2.5	83	53	55	6	0	0551	1918	RA BR	0.02	0.0	0	28.86	29.90	5.4	18	280	14	280			
26	57	49	53	-8.8	95	52	52	12	0	0550	1918	RA BR	0.23	0.0	0	28.84	29.86	4.1	12	050	10	040			
27	71	50	61	-1.0	69	47	52	4	0	0548	1919	BR	0.00	0.0	0	28.79	29.86	7.2	23	240	17	230			
28	77	48	63	0.7	53	43	52	2	0	0547	1920		0.00	0.0	0	28.87	29.92	10.9	33	240	25	270			
29	65	42	54	-8.6	48	31	44	11	0	0546	1921		0.00	0.0	0	29.14	30.20	6.3	23	080	17	030			
30	75	37	56	-6.9	50	36	47	9	0	0545	1922		0.00	0.0	0	29.20	30.24	1.5	12	280	8	270			
	67.2	43.9	55.5										4.28	T		28.97	30.01	8.3							
	-3.1	-3.4	-3.3										0.27												
	Monthly Averages Totals											4.28	T		28.97	30.01	8.3								
	Departure from Normal (1981-2010)											0.27													
	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	295	77		3568			>=90°		<=32°		<=32°		<=0°		13		7		0						
Cooling	11	-21		31			0		0		2		0												
	Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure				Greatest...													
	2007-04-17							Maximum		30.40		Date		20		Time		1052		24-Hr... Precip		Snowfall		Snow Depth	
								Minimum		29.62		15		0953		1.07		T		0					
																			23-24		16-16				
	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 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	SCT:04 150 BKN:07 250	10.00		54	12.2	45	7.3	35	1.7	49	7	260		29.06	8	+0.00	30.10	FM-15	0.00	30.11
01	0100	4		9.94		54	12.2	45	7.3	35	1.7	49	7	260		29.05	8	+0.00	30.10	FM-12		30.11
01	0153	7	SCT:04 150 OVC:08 250	10.00		54	12.2	45	7.1	34	1.1	47	6	290		29.06			30.10	FM-15	0.00	30.11
01	0253	7	CLR:00	10.00		52	11.1	45	7.0	36	2.2	55	5	280		29.06			30.09	FM-15	0.00	30.11
01	0353	7	CLR:00	10.00		52	11.1	45	7.0	36	2.2	55	6	300		29.07	3	-0.01	30.10	FM-15	0.00	30.12
01	0400	4		9.94		52	11.1	45	7.0	36	2.2	55	6	300		29.06	3	-0.01	30.10	FM-12		30.12
01	0453	7	FEW:02 95 SCT:04 120	10.00		51	10.6	44	6.7	36	2.2	56	0	000		29.07			30.11	FM-15	0.00	30.12
01	0553	7	BKN:07 85 OVC:08 100	10.00		48	8.9	44	6.8	40	4.4	74	3	100		29.09			30.12	FM-15	0.00	30.14
01	0653	7	OVC:08 80	10.00		49	9.4	45	7.3	41	5.0	74	0	000		29.09	3	-0.02	30.13	FM-15	0.00	30.14
01	0700	4	74	9.94		49	9.4	45	7.3	41	5.0	74	0	000		29.08	3	-0.02	30.13	FM-12		30.14
01	0753	7	OVC:08 80	10.00		54	12.2	48	8.7	41	5.0	62	6	270		29.11			30.15	FM-15	0.00	30.16
01	0853	7	OVC:08 80	10.00		55	12.8	49	9.2	42	5.6	62	6	220		29.11			30.15	FM-15	0.00	30.16
01	0953	7	FEW:02 85 OVC:08 250	10.00		62	16.7	52	11.2	43	6.1	50	9	200		29.10	0	-0.00	30.13	FM-15	0.00	30.15
01	1000	4		9.94		62	16.7	52	11.2	43	6.1	50	9	200		29.09	9	0.00	30.13	FM-12		30.15
01	1053	7	FEW:02 85 OVC:08 250	10.00		65	18.3	53	11.9	43	6.1	45	11	220		29.07			30.11	FM-15	0.00	30.12
01	1153	7	SCT:04 80 OVC:08 250	10.00		66	18.9	54	12.4	44	6.7	45	13	200		29.05			30.08	FM-15	0.00	30.10
01	1253	7	FEW:02 110 OVC:08 250	10.00		68	20.0	56	13.1	45	7.2	44	10	210		29.03	6	+0.06	30.06	FM-15	0.00	30.08
01	1300	4		9.94		68	20.0	56	13.1	45	7.2	44	10	210		29.02	6	+0.06	30.06	FM-12		30.08
01	1353	7	BKN:07 110 OVC:08 250	10.00		70	21.1	56	13.3	44	6.7	39	9	260		29.00			30.03	FM-15	0.00	30.05
01	1453	7	FEW:02 95 BKN:07 150 BKN:07 250	10.00		73	22.8	58	14.2	45	7.2	37	13	250	17	28.97			30.00	FM-15	0.00	30.02
01	1553	7	BKN:07 75 BKN:07 150 BKN:07 250	10.00		72	22.2	58	14.5	47	8.3	41	15	230		28.95	6	+0.08	29.98	FM-15	0.00	30.00
01	1600	4	74	9.94		72	22.2	58	14.5	47	8.3	41	15	230		28.94	6	+0.08	29.98	FM-12		30.00
01	1653	7	FEW:02 75 BKN:07 90 BKN:07 150	10.00		70	21.1	57	13.8	46	7.8	42	14	210		28.93			29.96	FM-15	0.00	29.98
01	1753	7	BKN:07 95 BKN:07 150 BKN:07 250	10.00		69	20.6	56	13.6	46	7.8	44	9	220		28.92			29.95	FM-15	0.00	29.97
01	1853	7	FEW:02 80 BKN:07 110 BKN:07 150	10.00		65	18.3	55	12.9	47	8.3	52	7	200		28.91	6	+0.04	29.94	FM-15	0.00	29.96
01	1900	4	74	9.94		65	18.3	55	12.9	47	8.3	52	7	200		28.90	6	+0.04	29.94	FM-12		29.96
01	1953	7	BKN:07 120 BKN:07 250	10.00		66	18.9	55	12.9	46	7.8	49	8	210		28.89			29.93	FM-15	0.00	29.94
01	2053	7	BKN:07 150 BKN:07 250	10.00		64	17.8	54	12.4	46	7.8	52	9	200		28.90			29.93	FM-15	0.00	29.95
01	2153	7	BKN:07 120 BKN:07 250	10.00		64	17.8	55	12.7	47	8.3	54	6	230		28.89	6	+0.01	29.92	FM-15	0.00	29.94
01	2200	4		9.94		64	17.8	55	12.7	47	8.3	54	6	230		28.88	6	+0.01	29.92	FM-12		29.94

01	2253	7	BKN:07 110 BKN:07 250	10.00		63	17.2	54	12.2	46	7.8	54	9	240		28.89			29.92	FM-15	0.00	29.94
01	2353	7	BKN:07 100	10.00		61	16.1	54	12.0	47	8.3	60	9	210		28.89			29.92	FM-15	T	29.94

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 2018

Generated on 02/18/2019

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

Date	Time (LST)	Remarks
01	0053	MET12304/01/18 00:53:02 METAR KTYS 010553Z 26006KT 10SM SCT150 BKN250 12/02 A3011 RMK AO2 SLP193 T01220017 10161 20117 58001 (BB)
01	0100	SYN08072326 32966 62606 10122 20017 39837 40193 58001 90553 333 10161 20022 555 90106=
01	0153	MET10504/01/18 01:53:02 METAR KTYS 010653Z 29005KT 10SM SCT150 OVC250 12/01 A3011 RMK AO2 SLP193 T01220011 (BB)
01	0253	MET09504/01/18 02:53:02 METAR KTYS 010753Z 28004KT 10SM CLR 11/02 A3011 RMK AO2 SLP190 T01110022 (BB)
01	0353	MET10104/01/18 03:53:02 METAR KTYS 010853Z 30005KT 10SM CLR 11/02 A3012 RMK AO2 SLP194 T01110022 53002 (BB)
01	0400	SYN06472326 32966 03005 10111 20022 39840 40194 53002 90853 555 90109=
01	0453	MET10504/01/18 04:53:02 METAR KTYS 010953Z 00000KT 10SM FEW095 SCT120 11/02 A3012 RMK AO2 SLP196 T01060022 (BB)
01	0553	MET10504/01/18 05:53:02 METAR KTYS 011053Z 10003KT 10SM BKN085 OVC100 09/04 A3014 RMK AO2 SLP201 T00890044 (BB)
01	0653	MET11604/01/18 06:53:02 METAR KTYS 011153Z 00000KT 10SM OVC080 09/05 A3014 RMK AO2 SLP204 T00940050 10128 20083 53008 (BB)
01	0700	SYN08072326 32866 80000 10094 20050 39846 40204 53008 91153 333 10200 20083 555 90112=
01	0753	MET09804/01/18 07:53:02 METAR KTYS 011253Z 27005KT 10SM OVC080 12/05 A3016 RMK AO2 SLP209 T01220050 (BB)
01	0853	MET09804/01/18 08:53:02 METAR KTYS 011353Z 22005KT 10SM OVC080 13/06 A3016 RMK AO2 SLP209 T01280056 (BB)
01	0953	MET11104/01/18 09:53:02 METAR KTYS 011453Z 20008KT 10SM FEW085 OVC250 17/06 A3015 RMK AO2 SLP203 T01670061 50001 (KD)
01	1000	SYN06472326 32966 82008 10167 20061 39850 40203 50001 91453 555 90115=
01	1053	MET10504/01/18 10:53:02 METAR KTYS 011553Z 22010KT 10SM FEW085 OVC250 18/06 A3012 RMK AO2 SLP196 T01830061 (KD)
01	1153	MET10504/01/18 11:53:02 METAR KTYS 011653Z 20011KT 10SM SCT080 OVC250 19/07 A3010 RMK AO2 SLP187 T01890067 (KD)
01	1253	MET12304/01/18 12:53:02 METAR KTYS 011753Z 21009KT 10SM FEW110 OVC250 20/07 A3008 RMK AO2 SLP180 T02000072 10200 20094 56022 (KD)
01	1300	SYN08072326 32966 82109 10200 20072 39827 40180 56022 91753 333 10200 20094 555 90118=
01	1353	MET10504/01/18 13:53:02 METAR KTYS 011853Z 26008KT 10SM BKN110 OVC250 21/07 A3005 RMK AO2 SLP171 T02110067 (KD)
01	1453	MET11504/01/18 14:53:02 METAR KTYS 011953Z 25011G15KT 10SM FEW095 BKN150 BKN250 23/07 A3002 RMK AO2 SLP160 T02280072 (KD)
01	1553	MET11804/01/18 15:53:02 METAR KTYS 012053Z 23013KT 10SM BKN075 BKN150 BKN250 22/08 A3000 RMK AO2 SLP153 T02220083 56026 (GW)
01	1600	SYN06472326 32866 62313 10222 20083 39800 40153 56026 92053 555 90121=
01	1653	MET11204/01/18 16:53:02 METAR KTYS 012153Z 21012KT 10SM FEW075 BKN090 BKN150 21/08 A2998 RMK AO2 SLP146 T02110078 (GW)
01	1753	MET11204/01/18 17:53:02 METAR KTYS 012253Z 22008KT 10SM BKN095 BKN150 BKN250 21/08 A2997 RMK AO2 SLP143 T02060078 (GW)
01	1853	MET13004/01/18 18:53:02 METAR KTYS 012353Z 20006KT 10SM FEW080 BKN110 BKN150 18/08 A2996 RMK AO2 SLP140 T01830083 10233 20183 56015 (GW)
01	1900	SYN08072326 32866 62006 10183 20083 39787 40140 56015 92353 333 10233 20083 555 90200=
01	1953	MET10004/01/18 19:53:01 METAR KTYS 020053Z 21007KT 10SM BKN120 BKN250 19/08 A2994 RMK AO2 SLP134 T01890078
01	2053	MET10004/01/18 20:53:02 METAR KTYS 020153Z 20008KT 10SM BKN150 BKN250 18/08 A2995 RMK AO2 SLP136 T01780078
01	2153	MET10604/01/18 21:53:02 METAR KTYS 020253Z 23005KT 10SM BKN120 BKN250 18/08 A2994 RMK AO2 SLP133 T01780083 56005
01	2200	SYN06472326 32966 62305 10178 20083 39781 40133 56005 90253 555 90203=
01	2253	MET10004/01/18 22:53:01 METAR KTYS 020353Z 24008KT 10SM BKN110 BKN250 17/08 A2994 RMK AO2 SLP131 T01720078
01	2353	MET11804/01/18 23:53:02 METAR KTYS 020453Z 21008KT 10SM BKN100 16/08 A2994 RMK AO2 RAB40E49 SLP132 P0000 T01610083 402330083

Local Climatological Data
Hourly Precipitation
April 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																								T	01	
02	T																									02
03							T	0.02	T		T	T														03
04	0.11s	0.21	0.05	0.03	0.01	T																				04
05																										05
06										T	0.01	T				0.02s	0.05	0.05	0.11	0.09	0.11	0.08	0.05	0.07		06
07	0.10	0.07	0.09	0.04	0.02	0.03	T	T	T	T	T			T	T	0.01	T	T				T	T			07
08																										08
09			T	T	0.02	0.03	0.02	0.01	T																	09
10																										10
11							M				M		M													11
12																										12
13																										13
14																								0.09		14
15	0.06		0.01	T	0.13	0.10	0.06	0.05	0.08		T	T	T	T	0.18	0.15	0.02		T	T						15
16							T	T	0.01	T	T	T			T	T	T	T	T	T	T	T				16
17																										17
18																										18
19	T	T	T	T																						19
20																										20
21																										21
22													T	T		T	T	T	T		0.01	0.01	0.06	0.01		22
23	0.01	0.02	0.06	0.07	0.06	0.03	0.06	0.09	0.01	0.07	0.01	0.01	0.01	0.01	0.09	0.01	0.04	0.01	T	T	T	T	0.03	0.01		23
24	0.02	0.03	T	T	0.10	0.22	0.23	0.16	0.01	0.01	T					T	T	T		T						24
25			T					T	T	0.02	T					T										25
26											T	0.04	0.01	0.01	0.01	0.02	T		T	0.07	0.06	0.01	T	T		26
27																										27
28																										28
29																										29
30																										30

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.07	0.12	0.14	0.16	0.23	0.30	0.33	0.40	0.45	0.49	0.58	0.61
Ending Date Time (yyyy-mm-dd hh:mi)	2018-04-04 01:12	2018-04-04 01:19	2018-04-04 01:19	2018-04-04 01:19	2018-04-04 01:15	2018-04-04 01:29	2018-04-24 06:36	2018-04-24 06:32	2018-04-24 06:42	2018-04-24 07:29	2018-04-24 07:34	2018-04-24 07:58

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