

Local Climatological Data
Daily Summary
April 2020

Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W

Generated on 03/09/2021

Station: **KNOXVILLE AIRPORT, TN US WBAN: 72326013891 (KTYS)**

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		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	53	42	48	-6.7	65	35	42	17	0	0621	1858		0.00	0.0	0	28.90	29.96	6.2	20	330	15	350			
02	62	36	49	-6.0	61	36	43	16	0	0620	1859		0.00	0.0	0	29.03	30.08	2.7	21	030	15	030			
03	72	38	55	-0.3	52	36	47	10	0	0619	1900		0.00	0.0	0	28.98	30.02	4.5	16	030	13	030			
04	76	48	62	6.5	52	42	51	3	0	0617	1901		T	0.0	0	28.93	29.96	4.4	19	030	14	030			
05	79	50	65	9.2	50	45	54	0	0	0616	1902		0.00	0.0	0	28.95	29.98	2.9	16	300	13	290			
06	80	52	66	9.9	55	49	57	0	1	0614	1903		T	0.0	0	29.00	30.03	2.5	22	260	16	310			
07	80	58	69	12.6	62	55	60	0	4	0613	1903		0.00	0.0	0	28.92	29.93	11.9	29	210	25	210			
08	81*	60	71	14.3	70	59	63	0	6	0612	1904		0.00	0.0	0	28.77	29.76	10.1	23	230	20	230			
09	71	53	62	5.0	52	42	52	3	0	0610	1905	TS RA BR	0.18	0.0	0	28.69	29.73	13.1	44	270	33	260			
10	56	42	49	-8.2	37	22	38	16	0	0609	1906		0.00	0.0	0	28.92	29.98	7.1	24	340	16	340			
11	68	34	51	-6.5	46	29	42	14	0	0607	1907	RA	0.00	0.0	0	29.00	30.03	2.3	14	200	10	200			
12	62	47	55	-2.8	84	48	51	10	0	0606	1908	TS RA BR	3.14	0.0	0	28.84	29.84	6.7	31	260	23	260			
13	65	47	56	-2.1	70	48	53	9	0	0605	1908	TS RA BR	0.70	0.0	0	28.77	29.84	13.1	51	220	41	210			
14	61	40	51	-7.4	57	33	42	14	0	0603	1909		0.00	0.0	0	29.05	30.10	9.3	26	010	21	010			
15	58	35	47	-11.7	45	24	37	18	0	0602	1910		0.00	0.0	0	29.05	30.10	6.7	20	050	15	030			
16	62	34*	48	-11.0	50	30	41	17	0	0601	1911		0.00	0.0	0	29.19	30.26	3.5	10	260	7	260			
17	74	37	56	-3.2	52	38	48	9	0	0600	1912		0.00	0.0	0	29.07	30.07	11.8	33	230	28	230			
18	64	42	53	-6.5	65	40	47	12	0	0558	1913	RA BR	0.47	0.0	0	28.92	29.98	6.4	23	240	18	240			
19	67	36	52	-7.8	76	43	47	13	0	0557	1913	RA BR	0.11	0.0	0	28.84	29.84	3.6	15	250	9	350			
20	69	50	60	-0.1	66	45	51	5	0	0556	1914	RA BR	0.80	0.0	0	28.69	29.73	7.2	24	280	18	290			
21	71	52	62	1.6	51	40	51	3	0	0554	1915	RA	0.01	0.0	0	28.82	29.87	11.6	32	280	23	280			
22	69	41	55	-5.7	47	35	46	10	0	0553	1916	RA	T	0.0	0	29.01	30.04	3.7	23	210	20	230			
23	67	52	60	-0.9	81	52	55	5	0	0552	1917	RA BR	0.53	0.0	0	28.76	29.73	7.7	33	210	25	190			
24	69	51	60	-1.2	80	54	57	5	0	0551	1918	RA BR	0.19	0.0	0	28.71	29.75	7.0	21	220	18	210			
25	65	49	57	-4.5	88	53	55	8	0	0550	1918	TS RA BR	0.34	0.0	0	28.77	29.80	6.2	40	260	31	260			
26	57	45	51	-10.8	81	45	48	14	0	0548	1919	RA	0.01	0.0	0	28.88	29.95	14.3	32	230	26	230			
27	66	38	52	-10.0	61	41	48	13	0	0547	1920	FG BR	0.00	0.0	0	29.13	30.15	3.0	13	030	10	320			
28	77	43	60	-2.3	60	45	52	5	0	0546	1921	RA	0.01	0.0	0	29.05	30.08	3.5	15	230	13	230			
29	78	52	65	2.4	66	49	55	0	0	0545	1922	TS RA BR	0.53	0.0	0	28.79	29.78	11.8	52	290	36	280			
30	59	51	55	-7.9	75	46	50	10	0	0544	1923	RA	0.02	0.0	0	28.76	29.82	7.3	21	290	16	270			
	67.9	45.2	56.6							Monthly Averages Totals			7.04			28.90	29.94	7.2							
	-2.4	-2.1	-2.2	Departure from Normal (1981-2010)							3.03														
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		264			46			2970		>=90°		<=32°		<=32°		<=0°		14		10		0			
Cooling		11			-21			35		0		0		0		0									
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...													
2007-04-17								Maximum		30.34		Date		16		Time		1053		24-Hr...		Snow Depth			
								Minimum		29.45				13		0453		Precip		Snowfall		0.0			
												Date													
												12-13													
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																									

Local Climatological Data
Hourly Observations
April 2020

Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W

Generated on 03/09/2021

Station: **KNOXVILLE AIRPORT, TN US WBAN: 72326013891 (KTYS)**

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation)	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)
						AU AW MW	(F)	(C)	(F)	(C)	(F)											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
01	0044	7	FEW:02 19 SCT:04 25 OVC:08 35	10.00		44	6.7	41	5.0	37	2.8	76	5	360		28.82				FM-16		29.86
01	0053	7	FEW:02 19 FEW:02 25 OVC:08 35	10.00		44	6.7	41	5.0	37	2.8	76	7	350		28.82	0	0.00	29.85	FM-15	0.00	29.86
01	0100	4	15	9.94		44	6.7	41	5.0	37	2.8	76	7	350		28.80	9	0.00	29.85	FM-12		29.86
01	0153	7	OVC:08 39	10.00		43	6.1	40	4.4	36	2.2	76	3	330		28.81			29.85	FM-15	0.00	29.85
01	0237	7	BKN:07 24 OVC:08 40	10.00		43	6.1	40	4.4	36	2.2	76	3	330		28.81				FM-16		29.85
01	0253	7	OVC:08 25	10.00		43	6.1	40	4.4	36	2.2	76	0	000		28.81			29.85	FM-15	0.00	29.85
01	0315	7	SCT:04 25 SCT:04 31 OVC:08 43	10.00		43	6.1	40	4.4	36	2.2	76	0	000		28.82				FM-16		29.86
01	0353	7	FEW:02 30 OVC:08 40	10.00		43	6.1	39	3.9	35	1.7	74	5	360		28.82	3	0.00	29.86	FM-15	0.00	29.86
01	0400	4	26	9.94		43	6.1	39	3.9	35	1.7	74	5	360		28.80	3	0.00	29.86	FM-12		29.86
01	0453	7	OVC:08 38	10.00		43	6.1	40	4.4	36	2.2	76	3	360		28.82			29.87	FM-15	0.00	29.87
01	0553	7	OVC:08 50	10.00		43	6.1	39	3.9	35	1.7	74	5	350		28.84			29.89	FM-15	0.00	29.89
01	0653	7	FEW:02 27 OVC:08 50	10.00		43	6.1	39	3.9	35	1.7	74	10	350		28.86	3	-0.05	29.91	FM-15	0.00	29.91
01	0700	4	26	9.94		43	6.1	39	3.9	35	1.7	74	10	350		28.85	3	-0.05	29.91	FM-12		29.91
01	0753	7	OVC:08 55	10.00		44	6.7	40	4.4	36	2.2	73	7	340		28.89			29.94	FM-15	0.00	29.94
01	0813	7	BKN:07 28 OVC:08 55	10.00		44	6.7	40	4.4	36	2.2	73	8	350		28.89				FM-16		29.94
01	0853	7	OVC:08 26	10.00		45	7.2	41	5.0	36	2.2	71	8	320		28.91			29.96	FM-15	0.00	29.96
01	0941	7	FEW:02 23 SCT:04 27 OVC:08 55	10.00		46	7.8	42	5.6	36	2.2	68	5	010		28.92				FM-16		29.97
01	0953	7	SCT:04 27 BKN:07 31 BKN:07 55	10.00		47	8.3	42	5.6	36	2.2	66	8	340		28.92	1	-0.06	29.97	FM-15	0.00	29.97
01	1000	4	26	9.94		47	8.3	42	5.6	36	2.2	66	8	340		28.91	1	-0.06	29.97	FM-12		29.97
01	1053	7	SCT:04 30 BKN:07 37	10.00		48	8.9	42	5.6	34	1.1	58	9	010		28.93			29.98	FM-15	0.00	29.98
01	1153	7	FEW:02 32 SCT:04 46 BKN:07 60	10.00		50	10.0	44	6.7	36	2.2	59	7	020		28.94			29.98	FM-15	0.00	29.99
01	1253	7	SCT:04 35 BKN:07 47 OVC:08 55	10.00		50	10.0	43	6.1	34	1.1	54	6	VRB		28.94	1	-0.02	29.98	FM-15	0.00	29.99
01	1300	4	41	9.94		50	10.0	43	6.1	34	1.1	54	6			28.93	1	-0.02	29.98	FM-12		29.99
01	1353	7	FEW:02 36 OVC:08 55	10.00		51	10.6	43	6.1	33	0.6	50	10	340	17	28.94			29.99	FM-15	0.00	29.99
01	1453	7	BKN:07 42 BKN:07 55	10.00		52	11.1	44	6.7	34	1.1	50	5	VRB		28.94			29.98	FM-15	0.00	29.99
01	1553	7	SCT:04 43 BKN:07 60	10.00		52	11.1	44	6.7	34	1.1	50	9	360		28.93	8	+0.01	29.98	FM-15	0.00	29.98
01	1600	4	41	9.94		52	11.1	44	6.7	34	1.1	50	9	360		28.92	8	+0.01	29.98	FM-12		29.98
01	1653	7	FEW:02 45 BKN:07 60	10.00		52	11.1	44	6.7	34	1.1	50	8	360		28.94			29.99	FM-15	0.00	29.99

01	1753	7	BKN:07 45 BKN:07 60	10.00		51	10.6	43	6.1	34	1.1	52	7	350		28.95			30.00	FM-15	0.00	30.00
01	1853	7	OVC:08 55	10.00		51	10.6	43	6.1	34	1.1	52	6	340		28.97	3	-0.04	30.02	FM-15	0.00	30.02
01	1900	4	57	9.94		51	10.6	43	6.1	34	1.1	52	6	340		28.96	3	-0.04	30.02	FM-12		30.02
01	1953	7	BKN:07 60	10.00		49	9.4	43	6.1	35	1.7	59	6	340		28.99			30.04	FM-15	0.00	30.04
01	2053	7	SCT:04 55	10.00		47	8.3	42	5.6	36	2.2	66	7	020		29.00			30.05	FM-15	0.00	30.05
01	2153	7	FEW:02 55	10.00		46	7.8	42	5.6	36	2.2	68	5	010		29.01	1	-0.03	30.06	FM-15	0.00	30.06
01	2200	4	57	9.94		46	7.8	42	5.6	36	2.2	68	5	010		29.00	1	-0.03	30.06	FM-12		30.06
01	2253	7	FEW:02 55	10.00		45	7.2	41	5.0	36	2.2	71	5	010		29.01			30.06	FM-15	0.00	30.06
01	2353	7	CLR:00	10.00		43	6.1	40	4.4	36	2.2	76	3	050		29.02			30.07	FM-15	0.00	30.07

Local Climatological Data
Hourly Remarks
April 2020

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Generated on 03/09/2021

Station: **KNOXVILLE AIRPORT, TN US WBAN: 72326013891 (KTYS)**

Date	Time (LST)	Remarks
01	0044	MET10804/01/20 00:44:02 SPECI KTYS 010544Z 36004KT 10SM FEW019 SCT025 OVC035 07/03 A2986 RMK AO2 T00670028 \$ (JTD)
01	0053	MET13904/01/20 00:53:02 METAR KTYS 010553Z 35006KT 10SM FEW019 FEW025 OVC035 07/03 A2986 RMK AO2 SLP109 60000 T00670028 10078 20067 50000 \$ (JTD)
01	0100	SYN08672326 12466 83506 10067 20028 39754 40109 50000 69901 90553 333 10117 20067 555 90106=
01	0153	MET10104/01/20 01:53:02 METAR KTYS 010653Z 33003KT 10SM OVC039 06/02 A2985 RMK AO2 SLP107 T00610022 \$ (JTD)
01	0237	MET10104/01/20 02:37:02 SPECI KTYS 010737Z 33003KT 10SM BKN024 OVC040 06/02 A2985 RMK AO2 T00610022 \$ (JTD)
01	0253	MET10104/01/20 02:53:02 METAR KTYS 010753Z 00000KT 10SM OVC025 06/02 A2985 RMK AO2 SLP109 T00610022 \$ (JTD)
01	0315	MET10804/01/20 03:15:02 SPECI KTYS 010815Z 00000KT 10SM SCT025 SCT031 OVC043 06/02 A2986 RMK AO2 T00610022 \$ (JTD)
01	0353	MET11404/01/20 03:53:02 METAR KTYS 010853Z 36004KT 10SM FEW030 OVC040 06/02 A2986 RMK AO2 SLP111 T00610017 53001 \$ (JTD)
01	0400	SYN06472326 32566 83604 10061 20017 39754 40111 53001 90853 555 90109=
01	0453	MET10104/01/20 04:53:02 METAR KTYS 010953Z 36003KT 10SM OVC038 06/02 A2987 RMK AO2 SLP116 T00610022 \$ (JTD)
01	0553	MET10104/01/20 05:53:02 METAR KTYS 011053Z 35004KT 10SM OVC050 06/02 A2989 RMK AO2 SLP123 T00610017 \$ (JTD)
01	0653	MET13004/01/20 06:53:02 METAR KTYS 011153Z 35009KT 10SM FEW027 OVC050 06/02 A2991 RMK AO2 SLP129 70055 T00610017 10067 20061 53017 (JTD)
01	0700	SYN08672326 32566 83509 10061 20017 39771 40129 53017 91153 333 10133 20061 70140 555 90112=
01	0753	MET09804/01/20 07:53:02 METAR KTYS 011253Z 34006KT 10SM OVC055 07/02 A2994 RMK AO2 SLP138 T00670022 (MB)
01	0813	MET09804/01/20 08:13:02 SPECI KTYS 011313Z 35007KT 10SM BKN028 OVC055 07/02 A2994 RMK AO2 T00670022 (MB)
01	0853	MET09804/01/20 08:53:02 METAR KTYS 011353Z 32007KT 10SM OVC026 07/02 A2996 RMK AO2 SLP146 T00720022 (MB)
01	0941	MET10504/01/20 09:41:02 SPECI KTYS 011441Z 01004KT 10SM FEW023 SCT027 OVC055 08/02 A2997 RMK AO2 T00780022 (MB)
01	0953	MET11804/01/20 09:53:02 METAR KTYS 011453Z 34007KT 10SM SCT027 BKN031 BKN055 08/02 A2997 RMK AO2 SLP148 T00830022 51019 (MB)
01	1000	SYN06472326 32566 63407 10083 20022 39791 40148 51019 91453 555 90115=
01	1053	MET10504/01/20 10:53:02 METAR KTYS 011553Z 01008KT 10SM SCT030 BKN037 09/01 A2998 RMK AO2 SLP152 T00890011 (MB)
01	1153	MET11204/01/20 11:53:02 METAR KTYS 011653Z 02006KT 10SM FEW032 SCT046 BKN060 10/02 A2999 RMK AO2 SLP154 T01000022 (MB)
01	1253	MET13004/01/20 12:53:02 METAR KTYS 011753Z VRB05KT 10SM SCT035 BKN047 OVC055 10/01 A2999 RMK AO2 SLP154 T01000011 10106 20061 51006 (MB)
01	1300	SYN08072326 32666 8//05 10100 20011 39797 40154 51006 91753 333 10106 20061 555 90118=
01	1353	MET10804/01/20 13:53:02 METAR KTYS 011853Z 34009G15KT 10SM FEW036 OVC055 11/01 A2999 RMK AO2 SLP155 T01060006 (MB)
01	1453	MET10504/01/20 14:53:02 METAR KTYS 011953Z VRB04KT 10SM BKN042 BKN055 11/01 A2999 RMK AO2 SLP154 T01110011 (MB)
01	1553	MET11204/01/20 15:53:02 METAR KTYS 012053Z 36008KT 10SM SCT043 BKN060 11/01 A2998 RMK AO2 SLP152 T01110011 58002 (ALG)
01	1600	SYN06472326 32666 63608 10111 20011 39794 40152 58002 92053 555 90121=
01	1653	MET10604/01/20 16:53:02 METAR KTYS 012153Z 36007KT 10SM FEW045 BKN060 11/01 A2999 RMK AO2 SLP155 T01110011 (ALG)
01	1753	MET10604/01/20 17:53:02 METAR KTYS 012253Z 35006KT 10SM BKN045 BKN060 11/01 A3000 RMK AO2 SLP159 T01060011 (ALG)
01	1853	MET11704/01/20 18:53:02 METAR KTYS 012353Z 34005KT 10SM OVC055 11/01 A3002 RMK AO2 SLP167 T01060011 10117 20094 53014 (ALG)
01	1900	SYN08072326 32766 83405 10106 20011 39807 40167 53014 92353 333 10117 20061 555 90200=
01	1953	MET09304/01/20 19:53:01 METAR KTYS 020053Z 34005KT 10SM BKN060 09/02 A3004 RMK AO2 SLP173 T00940017
01	2053	MET09304/01/20 20:53:01 METAR KTYS 020153Z 02006KT 10SM SCT055 08/02 A3005 RMK AO2 SLP175 T00830022
01	2153	MET09904/01/20 21:53:01 METAR KTYS 020253Z 01004KT 10SM FEW055 08/02 A3006 RMK AO2 SLP178 T00780022 51011
01	2200	SYN06472326 32766 20104 10078 20022 39820 40178 51011 90253 555 90203=
01	2253	MET09304/01/20 22:53:02 METAR KTYS 020353Z 01004KT 10SM FEW055 07/02 A3006 RMK AO2 SLP180 T00720022
01	2353	MET10004/01/20 23:53:02 METAR KTYS 020453Z 05003KT 10SM CLR 06/02 A3007 RMK AO2 SLP182 T00610022 401170056

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Hourly Precipitation
April 2020

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Station: **KNOXVILLE AIRPORT, TN US WBAN: 72326013891 (KTYS)**

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														T				04
05																										05
06																						T				06
07																										07
08																										08
09	T	0.14	0.04																							09
10																										10
11																										11
12							0.01	0.03	0.05	0.06	0.01	T	T	T	0.01	0.18	0.07	0.03	0.12	0.32	0.29	0.60	0.69	0.67	12	
13	0.45	0.22	T	T	0.03	T		T	T	T																13
14																										14
15																										15
16																										16
17																									T	17
18	T	0.03	0.05	0.10	0.11	0.14	0.04																			18
19																	T					T	0.01	0.02	0.08	19
20	0.21	0.18	0.12	0.09	0.10	0.08	0.02																			20
21						T	0.01																			21
22																								T	T	22
23	0.04s	0.04	0.05	0.08	0.07	0.09	0.01	T		T	T							T	0.02	0.01			0.08	0.04	23	
24	0.01	T		0.14	0.01									0.03	T	T										24
25							T					T	T	0.03	0.04	0.02	T	0.12	T	T	0.11	0.02			25	
26	T			T		T	T				T	T	T		T	T	T	0.01	T						26	
27																										27
28									T	0.01																28
29													T	0.06	0.08	T	0.07	0.07	0.10	0.09	0.06	T	T	T	29	
30					T							T	T		T	T	T	0.02				T	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)	0.13	0.19	0.25	0.32	0.45	0.64	0.84	1.07	1.26	1.52	1.78	2.08
Ending Date Time (yyyy-mm-dd hh:mi)	2020-04-12 21:40	2020-04-12 21:42	2020-04-12 23:29	2020-04-12 21:55	2020-04-12 23:27	2020-04-12 23:29	2020-04-12 23:31	2020-04-12 23:31	2020-04-12 23:30	2020-04-12 23:33	2020-04-13 00:06	2020-04-13 00:20

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