

Local Climatological Data Daily Summary March 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 Type	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	65	24*	45	-1.1	52	26	37	20	0	0705	1832		0.00	0.0	0	29.15	30.20	5.5	23	230	18	230
02	57	48	53	6.6	73	44	48	12	0	0704	1833	RA BR	0.60	0.0	0	28.93	29.95	9.2	23	230	17	220
03	69	51	60	13.3	69	47	53	5	0	0702	1834	TS RA BR	0.91	0.0	0	28.75	29.78	9.4	32	250	25	210
04	65	43	54	7.0	52	35	45	11	0	0701	1835		0.00	0.0	0	28.94	29.97	3.7	15	260	13	260
05	60	45	53	5.7	63	39	46	12	0	0700	1835		0.00	0.0	0	28.95	30.01	6.8	19	220	16	220
06	49	38	44	-3.5	55	28	38	21	0	0658	1836		0.00	0.0	0	29.09	30.19	11.0	32	280	25	280
07	53	35	44	-3.8	48	24	36	21	0	0657	1837		0.00	0.0	0	29.39	30.46	7.3	20	020	16	020
08	65	29	47	-1.1	51	28	39	18	0	0656	1838		0.00	0.0	0	29.42	30.49	3.4	14	240	13	240
09	71	36	54	5.6	51	36	46	11	0	0654	1839		0.00	0.0	0	29.38	30.42	7.8	29	210	26	210
10	64	54	59	10.3	77	52	55	6	0	0653	1840	RA BR	0.19	0.0	0	29.18	30.21	13.4	31	210	25	210
11	71	56	64	15.1	70	51	56	1	0	0651	1841	BR	0.00	0.0	0	29.03	30.05	6.9	27	270	22	270
12	72	53	63	13.8	69	53	58	2	0	0650	1842	RA	T	0.0	0	28.89	29.90	8.5	41	210	31	210
13	69	55	62	12.5	63	49	56	3	0	0649	1842	RA BR	0.30	0.0	0	29.02	30.10	9.4	39	220	30	210
14	59	50	55	5.2	54	37	46	10	0	0647	1843	RA	T	0.0	0	29.21	30.25	7.2	24	150	20	150
15	54	44	49	-1.0	82	44	47	16	0	0646	1844	RA DZ BR	0.16	0.0	0	29.23	30.31	6.9	19	320	16	320
16	60	44	52	1.7	81	46	48	13	0	0644	1845	RA DZ BR HZ	0.06	0.0	0	29.23	30.27	2.7	13	330	10	290
17	62	53	58	7.4	88	53	55	7	0	0643	1846	TS RA DZ BR	0.55	0.0	0	29.15	30.21	5.3	18	220	15	220
18	69	55	62	11.1	75	53	57	3	0	0641	1847	BR FG	T	0.0	0	29.16	30.14	5.6	22	180	18	180
19	80	61	71	19.9	69	58	63	0	6	0640	1848	RA BR	0.03	0.0	0	29.12	30.14	10.5	39	220	33	240
20	71	60	66	14.6	82	58	61	0	1	0639	1848	TS RA BR	1.68	0.0	0	29.11	30.15	11.9	30	210	24	220
21	60	45	53	1.3	81	46	49	12	0	0637	1849	RA	0.06	0.0	0	29.23	30.30	8.1	17	280	14	350
22	61	43	52	0.0	71	43	47	13	0	0636	1850		0.01	0.0	0	29.22	30.26	4.7	16	010	13	010
23	57	52	55	2.8	94	53	54	10	0	0634	1851	RA BR	1.14	0.0	0	29.07	30.10	4.9	16	210	13	230
24	57	52	55	2.5	94	53	54	10	0	0633	1852	TS RA BR	0.80	0.0	0	28.92	29.93	4.9	17	330	15	330
25	66	50	58	5.2	72	48	53	7	0	0631	1853	BR	0.00	0.0	0	28.84	29.89	5.4	17	010	13	360
26	77	44	61	8.0	63	47	53	4	0	0630	1853	FG	0.00	0.0	0	28.90	29.92	7.5	28	230	23	240
27	82*	59	71	17.7	59	56	62	0	6	0629	1854		T	0.0	0	28.84	29.85	11.3	31	240	23	220
28	80	65	73	19.4	63	58	64	0	8	0627	1855		0.00	0.0	0	28.87	29.88	12.4	35	240	31	230
29	77	59	68	14.1	50	48	58	0	3	0626	1856	TS RA BR	0.25	0.0	0	28.92	29.96	14.8	53	270	39	280
30	69	50	60	5.9	42	36	49	5	0	0624	1857		0.00	0.0	0	29.08	30.10	5.6	19	280	15	280
31	56	45	51	-3.4	76	41	46	14	0	0623	1858	RA BR	0.55	0.0	0	28.79	29.82	8.1	23	060	18	060
	65.4	48.3	56.9										7.29			29.07	30.11	7.8				
	4.0	9.1	6.6										2.95									

Monthly Averages Totals												7.29			29.07	30.11	7.8																
Departure from Normal (1981-2010)												2.95																					
Degree Days						Season-to-date						Temperature						Number of days with...															
Monthly			Total			Departure			Total			Departure			Max		Min		Precipitation		Snow		Weather										
Heating		274		-187		2706				>=90°		<=32°		<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms		Heavy Fog							
Cooling		22		17		25				0		0		2		0		15		11		0											
Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure						Greatest...																					
2007-04-17						Maximum		30.58		Date		08		Time		0938		24-Hr... Precip		1.74		Snowfall		0.0		Snow Depth		0.0					
						Minimum		29.68				31		1353																			
																		Date						20-21									
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

Local Climatological Data Hourly Observations March 2020

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

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	0053	7	CLR:00	10.00		31	-0.6	27	-2.8	20	-6.7	64	3	140		29.19	8	+0.02	30.27	FM-15	0.00	30.25
01	0100	4		9.94		31	-0.6	27	-2.8	20	-6.7	64	3	140		29.18	8	+0.02	30.27	FM-12		30.25
01	0153	7	CLR:00	10.00		30	-1.1	27	-2.8	20	-6.7	66	3	110		29.18			30.26	FM-15	0.00	30.24
01	0253	7	CLR:00	10.00		29	-1.7	26	-3.3	19	-7.2	66	0	000		29.18			30.24	FM-15	0.00	30.23
01	0353	7	CLR:00	10.00		25	-3.9	23	-5.0	18	-7.8	75	3	040		29.18	6	+0.02	30.24	FM-15	0.00	30.23
01	0400	4		9.94		25	-3.9	23	-5.0	18	-7.8	75	3	040		29.16	6	+0.02	30.24	FM-12		30.23
01	0453	7	CLR:00	10.00		27	-2.8	25	-3.9	21	-6.1	78	3	300		29.18			30.26	FM-15	0.00	30.24
01	0553	7	CLR:00	10.00		26	-3.3	24	-4.4	21	-6.1	81	3	080		29.21			30.27	FM-15	0.00	30.26
01	0653	7	CLR:00	10.00		27	-2.8	25	-3.9	21	-6.1	78	0	000		29.21	1	-0.04	30.28	FM-15	0.00	30.26
01	0700	4		9.94		27	-2.8	25	-3.9	21	-6.1	78	0	000		29.19	1	-0.04	30.28	FM-12		30.26
01	0753	7	SCT:04 250	10.00		29	-1.7	27	-2.8	22	-5.6	75	0	000		29.21			30.29	FM-15	0.00	30.27
01	0853	7	OVC:08 250	10.00		32	0.0	29	-1.7	25	-3.9	75	5	080		29.21			30.29	FM-15	0.00	30.27
01	0953	7	OVC:08 250	10.00		40	4.4	34	1.1	25	-3.9	55	5	030		29.21	1	-0.01	30.29	FM-15	0.00	30.27
01	1000	4		9.94		40	4.4	34	1.1	25	-3.9	55	5	030		29.20	1	-0.01	30.29	FM-12		30.27
01	1053	7	OVC:08 250	10.00		45	7.2	36	2.2	23	-5.0	42	0	000		29.21			30.28	FM-15	0.00	30.27
01	1153	7	OVC:08 250	10.00		47	8.3	38	3.3	24	-4.4	41	0	000		29.21			30.27	FM-15	0.00	30.26
01	1253	7	OVC:08 250	10.00		52	11.1	41	5.0	27	-2.8	38	0	000		29.18	8	+0.04	30.23	FM-15	0.00	30.23
01	1300	4		9.94		52	11.1	41	5.0	27	-2.8	38	0	000		29.16	8	+0.04	30.23	FM-12		30.23
01	1353	7	OVC:08 250	10.00		60	15.6	46	7.8	30	-1.1	32	14	220		29.13			30.18	FM-15	0.00	30.18
01	1453	7	OVC:08 250	10.00		60	15.6	46	7.8	30	-1.1	32	15	240		29.09			30.14	FM-15	0.00	30.14
01	1553	7	BKN:07 250	10.00		63	17.2	48	8.9	31	-0.6	30	16	230	23	29.07	6	+0.10	30.13	FM-15	0.00	30.12
01	1600	4		9.94		63	17.2	48	8.9	31	-0.6	30	16	230		29.06	6	+0.10	30.13	FM-12		30.12
01	1653	7	BKN:07 250	10.00		63	17.2	48	8.9	31	-0.6	30	11	250		29.07			30.12	FM-15	0.00	30.12
01	1753	7	SCT:04 150 BKN:07 250	10.00		60	15.6	47	8.3	32	0.0	35	11	240		29.06			30.11	FM-15	0.00	30.11
01	1853	7	BKN:07 150 OVC:08 250	10.00		56	13.3	45	7.2	33	0.6	42	8	230		29.06	5	+0.01	30.12	FM-15	0.00	30.11
01	1900	4		9.94		56	13.3	45	7.2	33	0.6	42	8	230		29.05	5	+0.01	30.12	FM-12		30.11
01	1953	7	BKN:07 150 BKN:07 250	10.00		54	12.2	44	6.7	31	-0.6	42	6	220		29.07			30.12	FM-15	0.00	30.12
01	2053	7	BKN:07 150 BKN:07 250	10.00		54	12.2	44	6.7	32	0.0	43	0	000		29.06			30.12	FM-15	0.00	30.11
01	2153	7	BKN:07 150 BKN:07 250	10.00		54	12.2	44	6.7	33	0.6	45	7	190		29.06	8	0.00	30.11	FM-15	0.00	30.11
01	2200	4		9.94		54	12.2	44	6.7	33	0.6	45	7	190		29.05	8	0.00	30.11	FM-12		30.11
01	2253	7	SCT:04 150 BKN:07 250	10.00		53	11.7	44	6.7	32	0.0	45	8	200		29.05			30.10	FM-15	0.00	30.10
01	2353	7	FEW:02 150 SCT:04 250	10.00		52	11.1	43	6.1	31	-0.6	45	9	190		29.03			30.08	FM-15	0.00	30.08

U.S. Department of Commerce
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Local Climatological Data
Hourly Remarks
March 2020

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

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)	Remarks
01	0053	MET11503/01/20 00:53:02 METAR KTYS 010553Z 14003KT 10SM CLR M01/M07 A3025 RMK AO2 SLP249 T10061067 10061 21011 58007 (GW)
01	0100	SYN08072326 32966 01403 11006 21067 39883 40249 58007 90553 333 10061 21011 555 90106=
01	0153	MET09703/01/20 01:53:02 METAR KTYS 010653Z 11003KT 10SM CLR M01/M07 A3024 RMK AO2 SLP247 T10111067 (GW)
01	0253	MET09703/01/20 02:53:02 METAR KTYS 010753Z 00000KT 10SM CLR M02/M07 A3023 RMK AO2 SLP242 T10171072 (GW)
01	0353	MET10303/01/20 03:53:02 METAR KTYS 010853Z 04003KT 10SM CLR M04/M08 A3023 RMK AO2 SLP241 T10391078 56008 (BB)
01	0400	SYN06472326 32966 00403 11039 21078 39876 40241 56008 90853 555 90109=
01	0453	MET09703/01/20 04:53:02 METAR KTYS 010953Z 30003KT 10SM CLR M03/M06 A3024 RMK AO2 SLP247 T10281061 (BB)
01	0553	MET09703/01/20 05:53:02 METAR KTYS 011053Z 08003KT 10SM CLR M03/M06 A3026 RMK AO2 SLP251 T10331061 (BB)
01	0653	MET11503/01/20 06:53:02 METAR KTYS 011153Z 00000KT 10SM CLR M03/M06 A3026 RMK AO2 SLP254 T10281061 10000 21044 51012 (BB)
01	0700	SYN08072326 32966 00000 11028 21061 39886 40254 51012 91153 333 10072 21044 555 90112=
01	0753	MET10003/01/20 07:53:02 METAR KTYS 011253Z 00000KT 10SM SCT250 M02/M06 A3027 RMK AO2 SLP256 T10171056 (BB)
01	0853	MET09903/01/20 08:53:02 METAR KTYS 011353Z 08004KT 10SM OVC250 00/M04 A3027 RMK AO2 SLP256 T00001039 (BB)
01	0953	MET10503/01/20 09:53:02 METAR KTYS 011453Z 03004KT 10SM OVC250 04/M04 A3027 RMK AO2 SLP256 T00441039 51003 (BB)
01	1000	SYN06472326 32966 80304 10044 21039 39889 40256 51003 91453 555 90115=
01	1053	MET09903/01/20 10:53:02 METAR KTYS 011553Z 00000KT 10SM OVC250 07/M05 A3027 RMK AO2 SLP254 T00721050 (BB)
01	1153	MET09903/01/20 11:53:02 METAR KTYS 011653Z 00000KT 10SM OVC250 08/M04 A3026 RMK AO2 SLP251 T00831044 (BB)
01	1253	MET11703/01/20 12:53:02 METAR KTYS 011753Z 00000KT 10SM OVC250 11/M03 A3023 RMK AO2 SLP238 T01111028 10111 21039 58015 (KD)
01	1300	SYN08072326 32966 80000 10111 21028 39876 40238 58015 91753 333 10111 21039 555 90118=
01	1353	MET09903/01/20 13:53:02 METAR KTYS 011853Z 22012KT 10SM OVC250 16/M01 A3018 RMK AO2 SLP221 T01561011 (KD)
01	1453	MET09903/01/20 14:53:02 METAR KTYS 011953Z 24013KT 10SM OVC250 16/M01 A3014 RMK AO2 SLP208 T01561011 (KD)
01	1553	MET10803/01/20 15:53:02 METAR KTYS 012053Z 23014G20KT 10SM BKN250 17/M01 A3012 RMK AO2 SLP202 T01721006 56035 (GW)
01	1600	SYN07472326 32966 62314 10172 21006 39840 40202 56035 92053 333 91020 555 90121=
01	1653	MET09903/01/20 16:53:02 METAR KTYS 012153Z 25010KT 10SM BKN250 17/M01 A3012 RMK AO2 SLP199 T01721006 (GW)
01	1753	MET10503/01/20 17:53:02 METAR KTYS 012253Z 24010KT 10SM SCT150 BKN250 16/00 A3011 RMK AO2 SLP198 T01560000 (GW)
01	1853	MET12303/01/20 18:53:02 METAR KTYS 012353Z 23007KT 10SM BKN150 OVC250 13/01 A3011 RMK AO2 SLP199 T01330006 10183 20111 55003 (GW)
01	1900	SYN08072326 32966 82307 10133 20006 39837 40199 55003 92353 333 10183 21043 555 90200=
01	1953	MET10103/01/20 19:53:01 METAR KTYS 020053Z 22005KT 10SM BKN150 BKN250 12/M01 A3012 RMK AO2 SLP200 T01221006
01	2053	MET10003/01/20 20:53:01 METAR KTYS 020153Z 00000KT 10SM BKN150 BKN250 12/00 A3011 RMK AO2 SLP199 T01220000
01	2153	MET10603/01/20 21:53:01 METAR KTYS 020253Z 19006KT 10SM BKN150 BKN250 12/01 A3011 RMK AO2 SLP196 T01220006 58001
01	2200	SYN06472326 32966 61906 10122 20006 39837 40196 58001 90253 555 90203=
01	2253	MET10003/01/20 22:53:01 METAR KTYS 020353Z 20007KT 10SM SCT150 BKN250 12/00 A3010 RMK AO2 SLP192 T01170000
01	2353	MET11103/01/20 23:53:02 METAR KTYS 020453Z 19008KT 10SM FEW150 SCT250 11/M01 A3008 RMK AO2 SLP186 T01111006 401831044

Local Climatological Data
Hourly Precipitation
March 2020

Generated on 03/09/2021

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								0.01	0.16	0.05	0.14	0.15	0.07	0.01	0.01	T									02	
03		T	0.01				0.11s	0.40	0.22	0.16	0.01														03	
04																									04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10			T	T	T	T	0.01	0.05	0.03	0.01					T	0.01	0.04	T	0.02	0.02			T		10	
11																									11	
12												T						T							T	12
13	T	0.08	T	0.05	0.05	T	0.12	T																	T	13
14	T		T										T	T									T	T	T	14
15	0.03s	0.03	0.02	0.01	0.04	0.02	0.01																		T	15
16	T		T	T	T	T	T	T													T	T	0.01	0.03	0.02	16
17	0.01	0.04	0.04	0.04	T	T	0.01	0.31	0.03	0.03	0.02	0.02	T							T	T	T	T		17	
18															T	T	T									18
19			0.02	0.01	T																					19
20									0.16	0.04			T		0.01	0.05	0.80	0.23	0.22	0.07	0.07	0.01	0.02	T	20	
21	0.01	T		0.05	T	T																				21
22																						0.01	T			22
23	T	0.07	0.01	0.02	0.21	0.29	0.23	0.04	0.09	0.04	0.14	T	T	T	T	T	T	T							23	
24	T	T	T						T	0.01	0.08	0.07	0.10	0.17	0.03	0.01	T	T	T	0.01	0.14	0.12	0.06		24	
25																										25
26																										26
27							T	T																		27
28																										28
29					T	0.24	0.01																			29
30																										30
31						T	T	0.02	0.07	0.08	0.14	0.02			0.06	0.10	0.04	0.02	T						31	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.19	0.28	0.37	0.41	0.56	0.73	0.81	0.91	0.99	1.03	1.16	1.27
Ending Date Time (yyyy-mm-dd hh:mi)	2020-03-29 05:11	2020-03-20 16:41	2020-03-20 16:43	2020-03-20 16:48	2020-03-20 16:42	2020-03-20 16:48	2020-03-20 17:03	2020-03-20 17:22	2020-03-20 17:42	2020-03-20 18:03	2020-03-20 18:33	2020-03-20 19:01

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