

Local Climatological Data
Daily Summary
March 2022

Current Location: Elev: 970 ft. Lat: 35.8180° N Lon: -83.9857° W

Generated on 04/14/2022

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	64	32	48	2.0				17	0	0706	1831		0.00	0.0	0	29.08		4.6	22	250	15	230
02	72	40	56	9.9				9	0	0705	1832		0.00	0.0	0	29.05		7.5	22	270	16	270
03	76	49	63	16.6				2	0	0704	1833		0.00	0.0	0	29.07		8.0	21	220	17	210
04	77	45	61	14.3				4	0	0702	1834		0.00	0.0	0	29.20		4.3	19	020	14	020
05	78	47	63	16.0				2	0	0701	1835		0.00	0.0	0	29.18		9.3	44	220	33	210
06	79	59	69	21.7				0	4	0700	1835		0.00	0.0	0	29.11		14.6	45	210	30	240
07	74	46	60	12.5				5	0	0658	1836	RA BR HZ	0.72	0.0	0	28.93		16.0	51	210	33	210
08	56	41	49	1.2				16	0	0657	1837	RA BR	0.65	0.0	0	29.03		7.2	19	040	15	230
09	53	44	49	0.9				16	0	0656	1838	RA BR	0.69	0.0	0	28.87		7.5	22	290	15	280
10	61	42	52	3.6				13	0	0654	1839		0.00	0.0	0	28.96		6.2	21	060	16	060
11	67	37	52	3.3				13	0	0653	1840	RA	0.01	0.0	0	28.90		4.9	27	330	20	350
12	49	22	36	-12.9s				29s	0s	0651	1841	RA SN PL BR	0.47	6.5	4	28.94		13.4	44	360	30	350
13	49	18*	34	-15.2				31	0	0650	1842		0.00	0.0	T	29.29		7.6	26	230	20	230
14	65	30	48	-1.5				17	0	0649	1842		0.00	0.0	0	29.29		2.3	13	230	12	230
15	65	39	52	2.2				13	0	0647	1843		0.00	0.0	0	29.19		3.7	12	030	10	030
16	70	48	59	9.0				6	0	0646	1844	RA BR	0.47	0.0	0	28.97		6.3	21	350	15	030
17	71	52	62	11.7				3	0	0644	1845	RA BR FG	0.06	0.0	0	28.92		3.7	14	220	10	210
18	67	47	57	6.4				8	0	0643	1846	RA BR	0.04	0.0	0	28.84		6.0	25	100	17	290
19	60	48	54	3.1				11	0	0641	1847		0.01	0.0	0	28.87		16.1	36	240	29	250
20	65	39	52	0.9				13	0	0640	1848		0.00	0.0	0	29.15		4.4	20	260	16	270
21	71	36	54	2.6				11	0	0639	1848		0.00	0.0	0	29.18		1.8	14	190	9	240
22	78	47	63	11.3				2	0	0637	1849		0.00	0.0	0	28.97		7.3	36	150	23	150
23	80	54	67	15.0				0	2	0636	1850	RA	0.41	0.0	0	28.66		16.1	57	210	41	200
24	64	42	53	0.8				12	0	0634	1851		0.00	0.0	0	28.84		9.8	37	170	26	240
25	51	41	46	-6.5				19	0	0633	1852		0.00	0.0	0	28.84		9.4	26	240	20	260
26	58	38	48	-4.8				17	0	0631	1853		0.00	0.0	0	28.82		13.8	46	270	30	270
27	54	32	43	-10.0				22	0	0630	1853		0.00	0.0	0	29.00		7.5	25	270	18	260
28	54	32	43	-10.3				22	0	0629	1854		0.00	0.0	0	29.11		3.9	17	330	12	020
29	67	40	54	0.4				11	0	0627	1855		0.00	0.0	0	29.08		6.5	17	040	14	040
30	83*	43	63	9.1				2	0	0626	1856		0.00	0.0	0	28.84		13.8	53	210	36	200
31	75	47	61	6.9				4	0	0624	1857	RA BR	0.16	0.0	0	28.58		20.1	64	200	43	190
	66.2	41.2	53.7									Monthly Averages Totals	3.70			28.99	30.04	8.5				
	4.8	2.0	3.4									Departure from Normal (1981-2010)	-0.64									
	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	356	-105	2961		>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog									
Cooling	6	1	8		0	0	6	0	3s	1s	1		2									
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...										
2007-04-17								Maximum		30.46	Date		14	Time		1014	24-Hr...		Snow Depth			
								Minimum		29.48			31			0421	Precip	Snowfall				
																					1.34	
														Date								
													08-09									
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
March 2022

Current Location: Elev: 970 ft. Lat: 35.8180° N Lon: -83.9857° W

Generated on 04/14/2022

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

Date	Time (LST)	Station Type	Sky Conditions	Visibility	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	BKN:07 250	10.00		39	3.9	35	1.7	30	-1.1	70	0	000		29.12	3	-0.04	30.17	FM-15	0.00	30.17
01	0100	4		9.94		39	3.9	35	1.7	30	-1.1	70	0	000		29.10	3	-0.04	30.17	FM-12		30.17
01	0153	7	BKN:07 250	10.00		37	2.8	34	1.1	30	-1.1	76	0	000		29.13			30.18	FM-15	0.00	30.18
01	0253	7	OVC:08 250	10.00		38	3.3	35	1.7	30	-1.1	73	3	190		29.12			30.17	FM-15	0.00	30.17
01	0353	7	OVC:08 250	10.00		36	2.2	34	1.1	30	-1.1	79	0	000		29.11	8	+0.01	30.16	FM-15	0.00	30.16
01	0400	4		9.94		36	2.2	34	1.1	30	-1.1	79	0	000		29.10	8	+0.01	30.16	FM-12		30.16
01	0453	7	SCT:04 250	10.00		37	2.8	34	1.1	30	-1.1	76	0	000		29.11			30.16	FM-15	0.00	30.16
01	0553	7	FEW:02 250	10.00		32	0.0	31	-0.6	29	-1.7	88	0	000		29.12			30.17	FM-15	0.00	30.17
01	0653	7	CLR:00	10.00		33	0.6	32	0.0	30	-1.1	89	0	000		29.13	3	-0.01	30.19	FM-15	0.00	30.18
01	0700	4		9.94		33	0.6	32	0.0	30	-1.1	89	0	000		29.12	3	-0.01	30.19	FM-12		30.18
01	0753	7	FEW:02 250	10.00		35	1.7	33	0.6	30	-1.1	82	0	000		29.15			30.21	FM-15	0.00	30.20
01	0853	7	FEW:02 250	10.00		39	3.9	37	2.8	34	1.1	82	0	000		29.15			30.21	FM-15	0.00	30.20
01	0953	7	SCT:04 250	10.00		46	7.8	41	5.0	34	1.1	63	0	000		29.15	1	-0.02	30.21	FM-15	0.00	30.21
01	1000	4		9.94		46	7.8	41	5.0	34	1.1	63	0	000		29.14	1	-0.02	30.21	FM-12		30.21
01	1053	7	FEW:02 250	10.00		51	10.6	43	6.1	33	0.6	50	0	000		29.15			30.19	FM-15	0.00	30.20
01	1153	7	FEW:02 250	10.00		56	13.3	44	6.7	29	-1.7	36	5	190		29.13			30.18	FM-15	0.00	30.18
01	1253	7	CLR:00	10.00		59	15.0	46	7.8	29	-1.7	32	10	230		29.09	8	+0.06	30.14	FM-15	0.00	30.14
01	1300	4		9.94		59	15.0	46	7.8	29	-1.7	32	10	230		29.08	8	+0.06	30.14	FM-12		30.14
01	1353	7	CLR:00	10.00		60	15.6	45	7.2	25	-3.9	26	9	210		29.06			30.11	FM-15	0.00	30.11
01	1453	7	CLR:00	10.00		62	16.7	45	7.2	24	-4.4	23	8	210		29.04			30.09	FM-15	0.00	30.09
01	1553	7	CLR:00	10.00		63	17.2	46	7.8	25	-3.9	24	14	260		29.03	6	+0.06	30.08	FM-15	0.00	30.08
01	1600	4		9.94		63	17.2	46	7.8	25	-3.9	24	14	260		29.02	6	+0.06	30.08	FM-12		30.08
01	1653	7	CLR:00	10.00		63	17.2	47	8.3	26	-3.3	25	13	240		29.03			30.08	FM-15	0.00	30.08
01	1753	7	FEW:02 250	10.00		59	15.0	45	7.2	28	-2.2	31	11	210		29.02			30.07	FM-15	0.00	30.07
01	1853	7	FEW:02 250	10.00		56	13.3	44	6.7	28	-2.2	34	7	220		29.02	5	+0.01	30.08	FM-15	0.00	30.07
01	1900	4		9.94		56	13.3	44	6.7	28	-2.2	34	7	220		29.01	5	+0.01	30.08	FM-12		30.07
01	1953	7	CLR:00	10.00		53	11.7	43	6.1	29	-1.7	40	7	240		29.03			30.09	FM-15	0.00	30.08
01	2053	7	CLR:00	10.00		53	11.7	42	5.6	28	-2.2	38	3	130		29.05			30.10	FM-15	0.00	30.10
01	2153	7	CLR:00	10.00		50	10.0	41	5.0	29	-1.7	44	7	220		29.06	3	-0.04	30.11	FM-15	0.00	30.11
01	2200	4		9.94		50	10.0	41	5.0	29	-1.7	44	7	220		29.05	3	-0.04	30.11	FM-12		30.11
01	2253	7	CLR:00	10.00		50	10.0	41	5.0	28	-2.2	43	6	200		29.07			30.11	FM-15	0.00	30.12
01	2353	7	CLR:00	10.00		48	8.9	40	4.4	29	-1.7	48	8	210		29.07			30.12	FM-15	0.00	30.12

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
 National Environmental Satellite, Data, and Information Service

Local Climatological Data
Hourly Remarks
March 2022

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

Current Location: Elev: 970 ft. Lat: 35.8180° N Lon: -83.9857° W

Generated on 04/14/2022

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

Date	Time (LST)	Remarks
01	0053	MET11803/01/22 00:53:02 METAR KTYS 010553Z 00000KT 10SM BKN250 04/M01 A3017 RMK AO2 SLP216 T00391011 10122 20039 53012 (ALG)
01	0100	SYN08072326 32966 60000 10039 21011 39856 40216 53012 90553 333 10122 21016 555 90106=
01	0153	MET10003/01/22 01:53:02 METAR KTYS 010653Z 00000KT 10SM BKN250 03/M01 A3018 RMK AO2 SLP219 T00281011 (JTD)
01	0253	MET10003/01/22 02:53:02 METAR KTYS 010753Z 19003KT 10SM OVC250 03/M01 A3017 RMK AO2 SLP217 T00331011 (JTD)
01	0353	MET10603/01/22 03:53:02 METAR KTYS 010853Z 00000KT 10SM OVC250 02/M01 A3016 RMK AO2 SLP214 T00221011 58002 (JTD)
01	0400	SYN06472326 32966 80000 10022 21011 39853 40214 58002 90853 555 90109=
01	0453	MET10003/01/22 04:53:02 METAR KTYS 010953Z 00000KT 10SM SCT250 03/M01 A3016 RMK AO2 SLP214 T00281011 (JTD)
01	0553	MET10003/01/22 05:53:02 METAR KTYS 011053Z 00000KT 10SM FEW250 00/M02 A3017 RMK AO2 SLP218 T00001017 (JTD)
01	0653	MET11503/01/22 06:53:02 METAR KTYS 011153Z 00000KT 10SM CLR 01/M01 A3018 RMK AO2 SLP222 T00061011 10039 20000 53005 (JTD)
01	0700	SYN08072326 32966 00000 10006 21011 39860 40222 53005 91153 333 10150 20000 555 90112=
01	0753	MET10003/01/22 07:53:02 METAR KTYS 011253Z 00000KT 10SM FEW250 02/M01 A3020 RMK AO2 SLP230 T00171011 (JTD)
01	0853	MET09803/01/22 08:53:02 METAR KTYS 011353Z 00000KT 10SM FEW250 04/01 A3020 RMK AO2 SLP229 T00390011 (MB)
01	0953	MET10403/01/22 09:53:02 METAR KTYS 011453Z 00000KT 10SM SCT250 08/01 A3021 RMK AO2 SLP229 T00780011 51008 (MB)
01	1000	SYN06472326 32966 40000 10078 20011 39869 40229 51008 91453 555 90115=
01	1053	MET09803/01/22 10:53:02 METAR KTYS 011553Z 00000KT 10SM FEW250 11/01 A3020 RMK AO2 SLP225 T01060006 (MB)
01	1153	MET09903/01/22 11:53:02 METAR KTYS 011653Z 19004KT 10SM FEW250 13/M02 A3018 RMK AO2 SLP219 T01331017 (MB)
01	1253	MET11403/01/22 12:53:02 METAR KTYS 011753Z 23009KT 10SM CLR 15/M02 A3014 RMK AO2 SLP206 T01501017 10150 20006 58021 (MB)
01	1300	SYN08072326 32966 02309 10150 21017 39846 40206 58021 91753 333 10150 20006 555 90118=
01	1353	MET09603/01/22 13:53:02 METAR KTYS 011853Z 21008KT 10SM CLR 16/M04 A3011 RMK AO2 SLP196 T01561039 (MB)
01	1453	MET09603/01/22 14:53:02 METAR KTYS 011953Z 21007KT 10SM CLR 17/M04 A3009 RMK AO2 SLP190 T01671044 (MB)
01	1553	MET10203/01/22 15:53:02 METAR KTYS 012053Z 26012KT 10SM CLR 17/M04 A3008 RMK AO2 SLP187 T01721039 56019 (MB)
01	1600	SYN06472326 32966 02612 10172 21039 39827 40187 56019 92053 555 90121=
01	1653	MET09703/01/22 16:53:02 METAR KTYS 012153Z 24011KT 10SM CLR 17/M03 A3008 RMK AO2 SLP185 T01721033 (ALG)
01	1753	MET10003/01/22 17:53:02 METAR KTYS 012253Z 21010KT 10SM FEW250 15/M02 A3007 RMK AO2 SLP183 T01501022 (ALG)
01	1853	MET11803/01/22 18:53:02 METAR KTYS 012353Z 22006KT 10SM FEW250 13/M02 A3007 RMK AO2 SLP185 T01331022 10178 20128 55003 (ALG)
01	1900	SYN08072326 32966 22206 10133 21022 39823 40185 55003 92353 333 10178 20000 555 90200=
01	1953	MET09103/01/22 19:53:01 METAR KTYS 020053Z 24006KT 10SM CLR 12/M02 A3008 RMK AO2 SLP188 T01171017
01	2053	MET09103/01/22 20:53:01 METAR KTYS 020153Z 13003KT 10SM CLR 12/M02 A3010 RMK AO2 SLP192 T01171022
01	2153	MET09703/01/22 21:53:01 METAR KTYS 020253Z 22006KT 10SM CLR 10/M02 A3011 RMK AO2 SLP196 T01001017 53012
01	2200	SYN06472326 32966 02206 10100 21017 39837 40196 53012 90253 555 90203=
01	2253	MET09103/01/22 22:53:01 METAR KTYS 020353Z 20005KT 10SM CLR 10/M02 A3012 RMK AO2 SLP197 T01001022
01	2353	MET10103/01/22 23:53:02 METAR KTYS 020453Z 21007KT 10SM CLR 09/M02 A3012 RMK AO2 SLP199 T00891017 401780000

Local Climatological Data
Hourly Precipitation
March 2022

Generated on 04/14/2022

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																										04		
05																										05		
06																										06		
07													0.02	0.07	0.50	0.04	0.02	0.07	T	T						07		
08																			T	T	0.03	0.17	0.23	0.22		08		
09	0.21	0.07	0.05	0.29	0.01		0.01	0.01	0.01	T	0.03	T														09		
10																										10		
11																							T	T	0.01	11		
12	0.05	0.04	0.11	0.11	0.06	0.04	0.02	T	0.03	0.01	T	T	T													12		
13																										13		
14																										14		
15																										15		
16				T	T	0.12	0.11	0.05	0.11	0.03														T	0.04	0.01	0.01	16
17	0.06	T	T																								17	
18												0.02	0.02														18	
19			0.01																						T		19	
20																											20	
21																											21	
22																											22	
23	T	0.02	T	0.10	0.12	0.08	0.06	0.03					T														23	
24																											24	
25																											25	
26																											26	
27																											27	
28																											28	
29																											29	
30																											30	
31		T	T	0.02	0.12	T		T	T																	0.02	31	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.17	0.24	0.28	0.35	0.43	0.49	0.51	0.55	0.57	0.58	0.60	0.70
Ending Date Time (yyyy-mm-dd hh:mi)	2022-03-07 14:12	2022-03-07 14:15	2022-03-07 14:21	2022-03-07 14:26	2022-03-07 14:33	2022-03-07 14:49	2022-03-07 14:49	2022-03-07 14:49	2022-03-07 14:49	2022-03-07 15:02	2022-03-07 15:46	2022-03-09 00:49

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