

Local Climatological Data
Daily Summary
February 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		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	62	24	43	3.6	51	24	35	22	0	0737	1803		0.00	0.0	0	29.16	30.23	3.0	15	220	10	230											
02	61	33	47	7.4	70	36	41	18	0	0736	1804	RA BR	0.21	0.0	0	29.10	30.14	6.3	39	190	26	180											
03	56	45	51	11.3	99	50	50	14	0	0735	1805	RA FG BR	1.38	0.0	0	28.95	29.96	5.0	17	110	13	090											
04	58	31	45	5.1	93	35	37	20	0	0734	1806	RA DZ SN BR	0.45	0.1	0	29.02	30.14	8.9	35	280	25	290											
05	37	24	31	-9.1	60	17	26	34	0	0733	1807		0.00	0.0	0	29.34	30.43	6.3	18	010	14	020											
06	50	20*	35	-5.3	66	23	30	30	0	0732	1808		0.00	0.0	0	29.26	30.34	2.4	12	030	9	030											
07	50	24	37	-3.5	67	26	33	28	0	0731	1809		0.00	0.0	0	29.13	30.20	2.6	13	260	10	260											
08	51	25	38	-2.7	63	25	33	27	0	0730	1810		0.00	0.0	0	29.11	30.18	2.8	16	340	10	310											
09	60	25	43	2.1	57	27	36	22	0	0730	1811		0.00	0.0	0	28.97	30.02	7.3	37	220	29	220											
10	62	38	50	8.9	43	26	39	15	0	0729	1812		0.00	0.0	0	28.97	30.01	8.5	37	250	24	260											
11	68	31	50	8.6	48	30	42	15	0	0728	1813		0.00	0.0	0	28.91	29.95	11.7	43	230	35	220											
12	57	38	48	6.4	53	33	42	17	0	0727	1815		0.00	0.0	0	29.03	30.09	8.1	21	270	16	270											
13	42	29	36	-5.8	55	19	29	29	0	0726	1816	SN	T	T	0	29.13	30.19	7.5	19	340	15	350											
14	47	24	36	-6.1	50	18	29	29	0	0724	1817		0.00	0.0	0	29.21	30.30	6.1	24	240	17	240											
15	62	24	43	0.7	52	24	35	22	0	0723	1818		0.00	0.0	0	29.36	30.44	4.1	23	260	17	220											
16	67	33	50	7.4	53	36	45	15	0	0722	1819		0.00	0.0	0	29.30	30.33	9.7	42	210	32	200											
17	72*	53	63	20.2	69	51	56	2	0	0721	1819	RA BR FG	1.49	0.0	0	28.94	29.93	18.3	58	260	43	270											
18	62	28	45	1.9	73	29	34	20	0	0720	1820	RA	T	0.0	0	29.03	30.14	9.4	38	270	29	280											
19	50	22	36	-7.4	56	20	30	29	0	0719	1821		0.00	0.0	0	29.26	30.33	5.6	21	250	15	250											
20	60	22	41	-2.6	49	21	33	24	0	0718	1822		0.00	0.0	0	29.27	30.33	4.0	20	230	16	220											
21	64	32	48	4.1	65	36	43	17	0	0716	1823		0.00	0.0	0	29.18	30.22	5.5	25	230	20	220											
22	69	51	60	15.8	91	54	55	5	0	0715	1824	TS RA BR	1.56	0.0	0	29.08	30.13	8.4	41	210	29	220											
23	69	46	58	13.6	86	54	55	7	0	0714	1825	RA BR	1.59	0.0	0	29.12	30.17	6.5	26	350	18	340											
24	63	46	55	10.3	96	52	53	10	0	0713	1826	TS RA BR	1.12	0.0	0	29.09	30.13	5.5	16	300	14	180											
25	67	36	52	7.0	79	42	45	13	0	0712	1827	RA BR	0.29	0.0	0	29.17	30.25	11.6	45	290	30	210											
26	44	35	40	-5.3	84	34	36	25	0	0710	1828	RA BR	0.19	0.0	0	29.35	30.41	7.6	18	030	13	030											
27	48	34	41	-4.6	85	37	39	24	0	0709	1829	RA BR	0.62	0.0	0	29.16	30.23	7.3	20	360	14	030											
28	59	28	44	-1.8	58	26	36	21	0	0708	1830	FG	0.00	0.0	0	29.15	30.20	2.4	15	010	12	020											
													Monthly Averages Totals																				
													8.90	0.1		29.13	30.19	6.9															
													Departure from Normal (1981-2010)																				
													4.64																				
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		560			-74			2604		>=90°		<=32°		<=32°		<=0°		>=10		>=10		2											
Cooling		0			0			2		0		0		16		0		10		10		0											
Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure					Greatest...																					
2007-04-17							Maximum		30.53			Date		15		Time		1053		24-Hr...		Precip		2.99		Snowfall		0.1		Snow Depth		0.0	
							Minimum		29.61			Date		17		Time		1953															
													22-23				Date		04-04														
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 February 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)	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		32	0.0	28	-2.2	21	-6.1	64	3	060		29.15	0	0.00	30.20	FM-15	0.00	30.20
01	0100	4		9.94		32	0.0	28	-2.2	21	-6.1	64	3	060		29.13	9	0.00	30.20	FM-12		30.20
01	0153	7	CLR:00	10.00		30	-1.1	27	-2.8	22	-5.6	72	0	000		29.14			30.20	FM-15	0.00	30.19
01	0253	7	CLR:00	10.00		26	-3.3	24	-4.4	21	-6.1	81	5	050		29.15			30.21	FM-15	0.00	30.20
01	0353	7	CLR:00	10.00		29	-1.7	26	-3.3	19	-7.2	66	0	000		29.15	3	-0.01	30.21	FM-15	0.00	30.20
01	0400	4		9.94		29	-1.7	26	-3.3	19	-7.2	66	0	000		29.13	3	-0.01	30.21	FM-12		30.20
01	0453	7	CLR:00	10.00		29	-1.7	26	-3.3	19	-7.2	66	6	010		29.15			30.22	FM-15	0.00	30.21
01	0553	7	CLR:00	10.00		28	-2.2	25	-3.9	20	-6.7	72	5	030		29.16			30.23	FM-15	0.00	30.22
01	0653	7	FEW:02 250	10.00		27	-2.8	25	-3.9	20	-6.7	75	6	010		29.18	3	-0.04	30.25	FM-15	0.00	30.24
01	0700	4		9.94		27	-2.8	25	-3.9	20	-6.7	75	6	010		29.17	3	-0.04	30.25	FM-12		30.24
01	0753	7	FEW:02 250	10.00		27	-2.8	25	-3.9	20	-6.7	75	0	000		29.21			30.28	FM-15	0.00	30.26
01	0853	7	FEW:02 250	10.00		33	0.6	30	-1.1	24	-4.4	70	0	000		29.23			30.30	FM-15	0.00	30.29
01	0953	7	SCT:04 250	10.00		38	3.3	33	0.6	26	-3.3	62	5	090		29.24	1	-0.06	30.31	FM-15	0.00	30.30
01	1000	4		9.94		38	3.3	33	0.6	26	-3.3	62	5	090		29.23	1	-0.06	30.31	FM-12		30.30
01	1053	7	SCT:04 250	10.00		44	6.7	36	2.2	24	-4.4	45	3	360		29.23			30.30	FM-15	0.00	30.29
01	1153	7	SCT:04 250	10.00		49	9.4	39	3.9	25	-3.9	39	0	000		29.21			30.28	FM-15	0.00	30.27
01	1253	7	FEW:02 250	10.00		52	11.1	40	4.4	24	-4.4	34	0	000		29.18	8	+0.05	30.25	FM-15	0.00	30.24
01	1300	4		9.94		52	11.1	40	4.4	24	-4.4	34	0	000		29.17	8	+0.05	30.25	FM-12		30.24
01	1353	7	FEW:02 250	10.00		56	13.3	43	6.1	25	-3.9	30	0	000		29.15			30.21	FM-15	0.00	30.21
01	1453	7	FEW:02 250	10.00		59	15.0	45	7.2	26	-3.3	28	3	VRB		29.14			30.19	FM-15	0.00	30.19
01	1553	7	FEW:02 250	10.00		60	15.6	45	7.2	25	-3.9	26	0	000		29.13	6	+0.06	30.18	FM-15	0.00	30.18
01	1600	4		9.94		60	15.6	45	7.2	25	-3.9	26	0	000		29.12	6	+0.06	30.18	FM-12		30.18
01	1653	7	SCT:04 250	10.00		60	15.6	45	7.2	27	-2.8	28	5	050		29.12			30.17	FM-15	0.00	30.17
01	1753	7	FEW:02 130 BKN:07 250	10.00		56	13.3	43	6.1	26	-3.3	32	3	070		29.13			30.18	FM-15	0.00	30.18
01	1853	7	FEW:02 130 BKN:07 250	10.00		53	11.7	41	5.0	25	-3.9	34	0	000		29.15	3	-0.02	30.21	FM-15	0.00	30.20
01	1900	4		9.94		53	11.7	41	5.0	25	-3.9	34	0	000		29.13	3	-0.02	30.21	FM-12		30.20
01	1953	7	FEW:02 130 SCT:04 250	10.00		50	10.0	40	4.4	26	-3.3	39	0	000		29.15			30.22	FM-15	0.00	30.21
01	2053	7	FEW:02 130 SCT:04 250	10.00		47	8.3	38	3.3	25	-3.9	42	6	220		29.15			30.22	FM-15	0.00	30.21
01	2153	7	SCT:04 250	10.00		45	7.2	37	2.8	25	-3.9	46	8	250		29.16	3	-0.02	30.23	FM-15	0.00	30.22
01	2200	4		9.94		45	7.2	37	2.8	25	-3.9	46	8	250		29.15	3	-0.02	30.23	FM-12		30.22
01	2253	7	BKN:07 250	10.00		45	7.2	37	2.8	24	-4.4	44	7	240		29.15			30.22	FM-15	0.00	30.21
01	2353	7	BKN:07 250	10.00		44	6.7	36	2.2	25	-3.9	47	8	210		29.15			30.21	FM-15	0.00	30.21

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

Local Climatological Data
Hourly Remarks
February 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	MET11502/01/22 00:53:02 METAR KTYS 010553Z 06003KT 10SM CLR 00/M06 A3020 RMK AO2 SLP228 T00001061 10078 20000 50000 (JTD)
01	0100	SYN08072326 32966 00603 10000 21061 39866 40228 50000 90553 333 10089 21038 555 90106=
01	0153	MET09802/01/22 01:53:02 METAR KTYS 010653Z 00000KT 10SM CLR M01/M06 A3019 RMK AO2 SLP228 T10111056 (JTD)
01	0253	MET09802/01/22 02:53:02 METAR KTYS 010753Z 05004KT 10SM CLR M03/M06 A3020 RMK AO2 SLP229 T10331061 (JTD)
01	0353	MET10402/01/22 03:53:02 METAR KTYS 010853Z 00000KT 10SM CLR M02/M07 A3020 RMK AO2 SLP230 T10171072 53002 (JTD)
01	0400	SYN06472326 32966 00000 11017 21072 39866 40230 53002 90853 555 90109=
01	0453	MET09802/01/22 04:53:02 METAR KTYS 010953Z 01005KT 10SM CLR M02/M07 A3021 RMK AO2 SLP234 T10171072 (JTD)
01	0553	MET09802/01/22 05:53:02 METAR KTYS 011053Z 03004KT 10SM CLR M02/M07 A3022 RMK AO2 SLP237 T10221067 (JTD)
01	0653	MET11902/01/22 06:53:02 METAR KTYS 011153Z 01005KT 10SM FEW250 M03/M07 A3024 RMK AO2 SLP244 T10281067 10000 21039 53013 (JTD)
01	0700	SYN08072326 32966 20105 11028 21067 39879 40244 53013 91153 333 10117 21039 555 90112=
01	0753	MET10102/01/22 07:53:02 METAR KTYS 011253Z 00000KT 10SM FEW250 M03/M07 A3026 RMK AO2 SLP253 T10281067 (JTD)
01	0853	MET10002/01/22 08:53:02 METAR KTYS 011353Z 00000KT 10SM FEW250 01/M04 A3029 RMK AO2 SLP261 T00061044 (JTD)
01	0953	MET10502/01/22 09:53:02 METAR KTYS 011453Z 09004KT 10SM SCT250 03/M03 A3030 RMK AO2 SLP264 T00331033 51019 (MB)
01	1000	SYN06472326 32966 40904 10033 21033 39899 40264 51019 91453 555 90115=
01	1053	MET09902/01/22 10:53:02 METAR KTYS 011553Z 36003KT 10SM SCT250 07/M04 A3029 RMK AO2 SLP261 T00671044 (MB)
01	1153	MET09902/01/22 11:53:02 METAR KTYS 011653Z 00000KT 10SM SCT250 09/M04 A3027 RMK AO2 SLP255 T00941039 (MB)
01	1253	MET11702/01/22 12:53:02 METAR KTYS 011753Z 00000KT 10SM FEW250 11/M04 A3024 RMK AO2 SLP244 T01111044 10111 21044 58017 (MB)
01	1300	SYN08072326 32966 20000 10111 21044 39879 40244 58017 91753 333 10111 21044 555 90118=
01	1353	MET09902/01/22 13:53:02 METAR KTYS 011853Z 00000KT 10SM FEW250 13/M04 A3021 RMK AO2 SLP231 T01331039 (MB)
01	1453	MET09902/01/22 14:53:02 METAR KTYS 011953Z VRB03KT 10SM FEW250 15/M03 A3019 RMK AO2 SLP225 T01501033 (MB)
01	1553	MET10502/01/22 15:53:02 METAR KTYS 012053Z 00000KT 10SM FEW250 16/M04 A3018 RMK AO2 SLP221 T01561039 56021 (MB)
01	1600	SYN06472326 32966 20000 10156 21039 39860 40221 56021 92053 555 90121=
01	1653	MET10002/01/22 16:53:02 METAR KTYS 012153Z 05004KT 10SM SCT250 16/M03 A3017 RMK AO2 SLP217 T01561028 (ALG)
01	1753	MET10702/01/22 17:53:02 METAR KTYS 012253Z 07003KT 10SM FEW130 BKN250 13/M03 A3018 RMK AO2 SLP220 T01331033 (ALG)
01	1853	MET12502/01/22 18:53:02 METAR KTYS 012353Z 00000KT 10SM FEW130 BKN250 12/M04 A3020 RMK AO2 SLP229 T01171039 10167 20117 53006 (ALG)
01	1900	SYN08072326 32966 60000 10117 21039 39866 40229 53006 92353 333 10167 21038 555 90200=
01	1953	MET10102/01/22 19:53:01 METAR KTYS 020053Z 00000KT 10SM FEW130 SCT250 10/M03 A3021 RMK AO2 SLP232 T01001033
01	2053	MET10102/01/22 20:53:01 METAR KTYS 020153Z 22005KT 10SM FEW130 SCT250 08/M04 A3021 RMK AO2 SLP233 T00831039
01	2153	MET10002/01/22 21:53:01 METAR KTYS 020253Z 25007KT 10SM SCT250 07/M04 A3022 RMK AO2 SLP236 T00721039 53008
01	2200	SYN06472326 32966 42507 10072 21039 39873 40236 53008 90253 555 90203=
01	2253	MET09402/01/22 22:53:01 METAR KTYS 020353Z 24006KT 10SM BKN250 07/M04 A3021 RMK AO2 SLP232 T00721044
01	2353	MET10402/01/22 23:53:02 METAR KTYS 020453Z 21007KT 10SM BKN250 07/M04 A3021 RMK AO2 SLP230 T00671039 401671044

Local Climatological Data
Hourly Precipitation
February 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	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														T					T	0.02	0.01	0.02	0.04	0.08	0.04	02
03	0.02	0.06	0.12	0.13	0.11	0.09	0.09	0.06	0.07	0.07	0.01		0.11	0.02	T		T	0.11	0.14	0.04	0.09	0.04			03	
04	T	0.03	0.19	0.08	0.05	0.03	0.03	0.02	T	0.01		T	T					T	0.01	T	T	T	T	T	04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10																									10	
11																									11	
12																									12	
13					T	T																			13	
14																									14	
15																									15	
16																									16	
17														T	T		T	T	0.06	0.04	0.57	0.75	0.07	T	17	
18	T																								18	
19																									19	
20																									20	
21																									21	
22	T	0.04	0.01	0.01	0.07	T	T	T	0.10	T	T	T				T		0.02	0.15	0.19	0.11	0.31	0.31	0.24	22	
23	0.29	0.33	0.37	0.19	0.15	0.15	0.08	T															0.01	0.02	23	
24	0.01	T	0.03	0.44	0.36	0.15	0.01	T				0.08	0.04	T											24	
25			T	0.07	0.01	0.11	0.04	0.06	T																25	
26														T	0.01	0.04	0.04	0.02	0.06	0.02	T				26	
27		0.04	0.08	0.10	0.09	0.09	0.07	0.02	0.10	0.03	T														27	
28																									28	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.30	0.49	0.60	0.69	0.91	1.04	1.19	1.28	1.33	1.37	1.39	1.40
Ending Date Time (yyyy-mm-dd hh:mi)	2022-02-17 20:59	2022-02-17 21:00	2022-02-17 21:03	2022-02-17 21:09	2022-02-17 21:18	2022-02-17 21:33	2022-02-17 21:48	2022-02-17 22:08	2022-02-17 22:17	2022-02-17 22:23	2022-02-17 22:23	2022-02-17 22:45

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