

Local Climatological Data
Daily Summary
April 2022

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

Generated on 06/01/2022

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	58	41	50	-4.4				15	0	0623	1858	RA	T	0.0	0	28.94		7.8	28	250	21	270				
02	64	36	50	-4.7				15	0	0621	1858		0.00	0.0	0	29.00		7.9	28	220	23	220				
03	63	41	52	-3.0				13	0	0620	1859		0.00	0.0	0	28.97		6.3	21	010	14	020				
04	74	37	56	0.7				9	0	0619	1900		0.00	0.0	0	28.92		6.9	26	220	21	220				
05	68	47	58	2.5				7	0	0617	1901	RA	0.12	0.0	0	28.69		8.6	32	260	24	260				
06	80	52	66	10.2				0	1	0616	1902	TS RA BR	0.88	0.0	0	28.66		9.1	36	240	26	230				
07	65	46	56	-0.1				9	0	0614	1903	RA FG	T	0.0	0	28.69		9.2	33	240	25	260				
08	54	39	47	-9.4				18	0	0613	1903	RA PL	0.02	0.0	0	28.74		12.6	38	280	30	270				
09	50	37	44	-12.7				21	0	0612	1904	RA	0.04	0.0	0	28.88		8.8	35	300	26	270				
10	68	31*	50	-7.0				15	0	0610	1905		0.00	0.0	0	29.01		2.7	18	240	13	210				
11	67	42	55	-2.2				10	0	0609	1906	RA	T	0.0	0	29.02		9.1	40	230	32	230				
12	73	56	65	7.5				0	0	0607	1907	TS RA BR	0.95	0.0	0	29.05		5.1	36	320	24	320				
13	83	56	70	12.2				0	5	0606	1908	TS RA BR	T	0.0	0	28.86		12.4	53	240	39	260				
14	68	50	59	0.9				6	0	0605	1908	RA BR	0.23	0.0	0	28.95		6.3	34	110	22	110				
15	76	38	57	-1.4				8	0	0603	1909		0.00	0.0	0	29.07		3.6	17	250	13	270				
16	70	52	61	2.3				4	0	0602	1910	RA	0.27	0.0	0	28.96		5.3	19	280	14	270				
17	68	50	59	0.0				6	0	0601	1911	RA	T	0.0	0	28.98		8.7	18	030	14	040				
18	59	40	50	-9.2				15	0	0600	1912	RA BR	0.37	0.0	0	28.92		10.0	32	250	23	260				
19	59	36	48	-11.5				17	0	0558	1913		0.00	0.0	0	29.13		5.7	24	280	15	230				
20	74	36	55	-4.8				10	0	0557	1913		0.00	0.0	0	29.21		3.4	17	230	14	220				
21	75	56	66	5.9				0	1	0556	1914		T	0.0	0	29.26		8.6	32	220	23	230				
22	83	54	69	8.6				0	4	0554	1915		0.00	0.0	0	29.29		2.0	14	270	10	270				
23	84	55	70	9.3				0	5	0553	1916		0.00	0.0	0	29.15		7.2	23	230	17	240				
24	82	59	71	10.1				0	6	0552	1917		0.00	0.0	0	29.09		8.0	24	250	17	240				
25	84*	57	71	9.8				0	6	0551	1918		0.00	0.0	0	29.04		8.3	30	230	23	230				
26	67	50	59	-2.5				6	0	0550	1918	RA BR	0.80	0.0	0	29.10		5.4	25	230	20	350				
27	69	41	55	-6.8				10	0	0548	1919		0.00	0.0	0	29.18		8.0	23	030	16	040				
28	75	43	59	-3.0				6	0	0547	1920		0.00	0.0	0	29.10		5.2	18	030	14	050				
29	76	50	63	0.7				2	0	0546	1921		0.00	0.0	0	29.03		3.3	15	290	10	300				
30	80	54	67	4.4				0	2	0545	1922		0.00	0.0	0	28.97		5.8	24	230	20	230				
	70.5	46.1	58.3										Monthly Averages Totals			3.87		29.00	30.03	6.9						
	0.2	-1.2	-0.5										Departure from Normal (1981-2010)			-0.14s										
	Degree Days										Number of days with...															
	Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather									
	Total	Departure			Total	Departure			Max	Min																
Heating	228	10			3188				>=90°	<=32°			<=32°		<=0°		>=0.01"		>=0.1"		>=1"		T-Storms	Heavy Fog		
Cooling	27	-5			35				0	0			1		0		5s		4s		0		5			
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure				Greatest...														
2007-04-17								Maximum		30.42		Date		22		Time		1012		24-Hr... Precip		Snowfall		Snow Depth		
								Minimum		29.44				05		1456										
																				Date				12-12		
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 2022

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

Generated on 06/01/2022

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	SCT:04 50	10.00		46	7.8	44	6.7	42	5.6	86	8	240		28.81	3	-0.06	29.83	FM-15	T	29.85
01	0100	4	57	9.94		46	7.8	44	6.7	42	5.6	86	8	240		28.79	3	-0.06	29.83	FM-12		29.85
01	0153	7	OVC:08 75	10.00		45	7.2	44	6.7	42	5.6	90	8	230		28.81			29.84	FM-15	0.00	29.85
01	0253	7	FEW:02 38 BKN:07 55 OVC:08 80	10.00		45	7.2	44	6.7	42	5.6	90	10	220		28.82			29.85	FM-15	0.00	29.86
01	0336	7	BKN:07 27 BKN:07 32 OVC:08 41	10.00	-RA:02 RA RA	46	7.8	45	7.2	43	6.1	89	9	240		28.82				FM-16	T	29.87
01	0353	7	FEW:02 18 BKN:07 25 OVC:08 32	10.00		46	7.8	45	7.2	43	6.1	89	9	260		28.82	3	-0.02	29.85	FM-15	T	29.87
01	0400	4	15	9.94		46	7.8	45	7.2	43	6.1	89	9	260		28.82	3	-0.02	29.85	FM-12		29.87
01	0453	7	BKN:07 21 BKN:07 28 OVC:08 34	10.00		46	7.8	44	6.7	41	5.0	83	8	270		28.84			29.88	FM-15	T	29.88
01	0521	7	FEW:02 21 SCT:04 27 OVC:08 31	10.00		45	7.2	40	4.4	34	1.1	66	15	270	28	28.85				FM-16		29.90
01	0553	7	FEW:02 34 BKN:07 43	10.00		43	6.1	38	3.3	31	-0.6	63	11	260		28.88			29.92	FM-15	0.00	29.93
01	0653	7	FEW:02 49	10.00		42	5.6	37	2.8	31	-0.6	65	14	270		28.92	3	-0.10	29.97	FM-15	0.00	29.97
01	0700	4	41	9.94		42	5.6	37	2.8	31	-0.6	65	14	270		28.91	3	-0.10	29.97	FM-12		29.97
01	0753	7	BKN:07 47 BKN:07 250	10.00		43	6.1	38	3.3	30	-1.1	60	15	260	22	28.97			30.01	FM-15	0.00	30.02
01	0853	7	BKN:07 46	10.00		46	7.8	40	4.4	31	-0.6	56	13	260		28.99			30.04	FM-15	0.00	30.04
01	0953	7	*	10.00		47	8.3	40	4.4	32	0.0	56	5	220		29.01	1	-0.09	30.06	FM-15	0.00	30.06
01	1000	4		9.94		47	8.3	40	4.4	32	0.0	56	5	220		29.00	1	-0.09	30.06	FM-12		30.06
01	1053	7	BKN:07 37	10.00		48	8.9	41	5.0	32	0.0	54	10	300		29.02			30.07	FM-15	0.00	30.07
01	1153	7	BKN:07 39	10.00		50	10.0	42	5.6	32	0.0	50	8	310		29.03			30.07	FM-15	0.00	30.08
01	1253	7	FEW:02 42	10.00		51	10.6	42	5.6	31	-0.6	46	15	280		29.02	0	-0.01	30.06	FM-15	0.00	30.07
01	1300	4	41	9.94		51	10.6	42	5.6	31	-0.6	46	15	280		29.01	9	+0.01	30.06	FM-12		30.07
01	1353	7	FEW:02 47	10.00		53	11.7	43	6.1	30	-1.1	41	8	310	17	29.00			30.04	FM-15	0.00	30.05
01	1453	7	FEW:02 250	10.00		54	12.2	43	6.1	30	-1.1	40	8	310		28.99			30.04	FM-15	0.00	30.04
01	1553	7	FEW:02 250	10.00		56	13.3	44	6.7	29	-1.7	36	5	230		29.00	5	+0.02	30.04	FM-15	0.00	30.05
01	1600	4		9.94		56	13.3	44	6.7	29	-1.7	36	5	230		28.99	5	+0.02	30.04	FM-12		30.05
01	1653	7	FEW:02 250	10.00		56	13.3	44	6.7	28	-2.2	34	0	000		29.00			30.04	FM-15	0.00	30.05
01	1753	7	FEW:02 250	10.00		57	13.9	44	6.7	28	-2.2	33	0	000		29.01			30.06	FM-15	0.00	30.06
01	1853	7	FEW:02 250	10.00		55	12.8	43	6.1	27	-2.8	34	0	000		29.02	3	-0.02	30.06	FM-15	0.00	30.07
01	1900	4		9.94		55	12.8	43	6.1	27	-2.8	34	0	000		29.01	3	-0.02	30.06	FM-12		30.07
01	1953	7	FEW:02 250	10.00		54	12.2	43	6.1	28	-2.2	37	0	000		29.03			30.08	FM-15	0.00	30.08
01	2053	7	CLR:00	10.00		48	8.9	41	5.0	31	-0.6	52	5	040		29.05			30.09	FM-15	0.00	30.10
01	2153	7	CLR:00	10.00		48	8.9	40	4.4	30	-1.1	50	8	020		29.06	3	-0.04	30.11	FM-15	0.00	30.11
01	2200	4		9.94		48	8.9	40	4.4	30	-1.1	50	8	020		29.05	3	-0.04	30.11	FM-12		30.11
01	2253	7	CLR:00	10.00		46	7.8	39	3.9	29	-1.7	51	9	020		29.06			30.11	FM-15	0.00	30.11
01	2353	7	CLR:00	10.00		45	7.2	38	3.3	29	-1.7	54	10	020		29.06			30.11	FM-15	0.00	30.11

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

Local Climatological Data
Hourly Remarks
April 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 06/01/2022

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

Date	Time (LST)	Remarks
01	0053	MET12904/01/22 00:53:02 METAR KTYS 010553Z 24007KT 10SM SCT050 08/06 A2985 RMK AO2 RAE09 SLP103 P0000 60002 T00780056 10139 20072 53019
01	0100	SYN08672326 12766 42407 10078 20056 39751 40103 53019 69951 90553 333 10211 20072 555 90106=
01	0153	MET09804/01/22 01:53:02 METAR KTYS 010653Z 23007KT 10SM OVC075 07/06 A2985 RMK AO2 SLP104 T00720056 (KD)
01	0253	MET11204/01/22 02:53:02 METAR KTYS 010753Z 22009KT 10SM FEW038 BKN055 OVC080 07/06 A2986 RMK AO2 SLP107 T00720056 (KD)
01	0336	MET12104/01/22 03:36:02 SPECI KTYS 010836Z 24008KT 10SM -RA BKN027 BKN032 OVC041 08/06 A2987 RMK AO2 RAB14 P0000 T00780061 (KD)
01	0353	MET13904/01/22 03:53:02 METAR KTYS 010853Z 26008KT 10SM FEW018 BKN025 OVC032 08/06 A2987 RMK AO2 RAB14E39 SLP110 P0000 60000 T00780061 53007 (KD)
01	0400	SYN07072326 12466 82608 10078 20061 39758 40110 53007 69907 90853 555 90109=
01	0453	MET12904/01/22 04:53:02 METAR KTYS 010953Z 27007KT 10SM BKN021 BKN028 OVC034 08/05 A2988 RMK AO2 RAB0855E05 SLP117 P0000 T00780050 (KD)
01	0521	MET10804/01/22 05:21:02 SPECI KTYS 011021Z 27013G24KT 10SM FEW021 SCT027 OVC031 07/01 A2990 RMK AO2 T00720011 (KD)
01	0553	MET10604/01/22 05:53:02 METAR KTYS 011053Z 26010KT 10SM FEW034 BKN043 06/M01 A2993 RMK AO2 SLP132 T00611006 (KD)
01	0653	MET12904/01/22 06:53:02 METAR KTYS 011153Z 27012KT 10SM FEW049 06/M01 A2997 RMK AO2 SLP148 60000 70002 T00561006 10083 20050 53034 (KD)
01	0700	SYN09272326 12666 22712 10056 21006 39791 40148 53034 69901 91153 333 10239 20050 70005 555 90112=
01	0753	MET10904/01/22 07:53:02 METAR KTYS 011253Z 26013G19KT 10SM BKN047 BKN250 06/M01 A3002 RMK AO2 SLP163 T00611011 (MB)
01	0853	MET09904/01/22 08:53:02 METAR KTYS 011353Z 26011KT 10SM BKN046 08/M01 A3004 RMK AO2 SLP172 T00781006 (MB)
01	0953	MET10704/01/22 09:53:02 METAR KTYS 011453Z 22004KT 10SM BKN SCT041 08/00 A3006 RMK AO2 SLP178 T00830000 51029 (MB)
01	1000	SYN06472326 32/66 /2204 10083 20000 39820 40178 51029 91453 555 90115=
01	1053	MET09804/01/22 10:53:02 METAR KTYS 011553Z 30009KT 10SM BKN037 09/00 A3007 RMK AO2 SLP182 T00890000 (MB)
01	1153	MET09804/01/22 11:53:02 METAR KTYS 011653Z 31007KT 10SM BKN039 10/00 A3008 RMK AO2 SLP184 T01000000 (MB)
01	1253	MET11704/01/22 12:53:02 METAR KTYS 011753Z 28013KT 10SM FEW042 11/M01 A3007 RMK AO2 SLP181 T01061006 10106 20056 50003 (MB)
01	1300	SYN08072326 32666 22813 10106 21006 39823 40181 50003 91753 333 10106 20056 555 90118=
01	1353	MET10204/01/22 13:53:02 METAR KTYS 011853Z 31007G15KT 10SM FEW047 12/M01 A3005 RMK AO2 SLP173 T01171011 (MB)
01	1453	MET09904/01/22 14:53:02 METAR KTYS 011953Z 31007KT 10SM FEW250 12/M01 A3004 RMK AO2 SLP172 T01221011 (MB)
01	1553	MET10604/01/22 15:53:02 METAR KTYS 012053Z 23004KT 10SM FEW250 13/M02 A3005 RMK AO2 SLP173 T01331017 55007 (ALG)
01	1600	SYN06472326 32966 22304 10133 21017 39817 40173 55007 92053 555 90121=
01	1653	MET10004/01/22 16:53:02 METAR KTYS 012153Z 00000KT 10SM FEW250 13/M02 A3005 RMK AO2 SLP174 T01331022 (ALG)
01	1753	MET10004/01/22 17:53:02 METAR KTYS 012253Z 00000KT 10SM FEW250 14/M02 A3006 RMK AO2 SLP178 T01391022 (ALG)
01	1853	MET11804/01/22 18:53:02 METAR KTYS 012353Z 00000KT 10SM FEW250 13/M03 A3007 RMK AO2 SLP181 T01281028 10144 20106 53007 (ALG)
01	1900	SYN08072326 32966 20000 10128 21028 39823 40181 53007 92353 333 10144 20050 555 90200=
01	1953	MET09404/01/22 19:53:01 METAR KTYS 020053Z 00000KT 10SM FEW250 12/M02 A3008 RMK AO2 SLP185 T01221022
01	2053	MET09104/01/22 20:53:01 METAR KTYS 020153Z 04004KT 10SM CLR 09/M01 A3010 RMK AO2 SLP191 T00891006
01	2153	MET09704/01/22 21:53:01 METAR KTYS 020253Z 02007KT 10SM CLR 09/M01 A3011 RMK AO2 SLP196 T00891011 53013
01	2200	SYN06472326 32966 00207 10089 21011 39837 40196 53013 90253 555 90203=
01	2253	MET09104/01/22 22:53:02 METAR KTYS 020353Z 02008KT 10SM CLR 08/M02 A3011 RMK AO2 SLP197 T00781017
01	2353	MET10104/01/22 23:53:02 METAR KTYS 020453Z 02009KT 10SM CLR 07/M02 A3011 RMK AO2 SLP198 T00721017 401440050

Local Climatological Data
Hourly Precipitation
April 2022

Generated on 06/01/2022

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	T			T	T																				01	
02																										02
03																										03
04																										04
05											T	0.10	T				T	0.01	T		T	0.01				05
06																			0.18	0.01	0.38	0.28	0.01	0.02		06
07	T																									07
08								T				T	T		T	T	T	0.02					T	T	T	08
09	T							T	0.01	T	T	0.01	0.02	T	T											09
10																										10
11														T	T					T	T	T	T	T	T	11
12		0.03	0.01	0.09	0.30	0.06	0.10	0.10	0.01	M	0.02	0.09	0.08													12
13							T	T																T	0.19	13
14	0.06	0.06	0.06	0.02	T		T	0.03	T	T	T															14
15																										15
16		T	0.07	0.12	0.07	0.01																				16
17	T																			T	T					17
18	T		T	0.03	0.01	0.09	0.20	0.04	T																	18
19																										19
20																										20
21							T																			21
22																										22
23																										23
24																										24
25																										25
26					T	0.49	0.03	0.21	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)	0.17	0.25	0.29	0.43	0.56	0.64	0.66	0.66	0.66	0.66	0.78	0.85
Ending Date Time (yyyy-mm-dd hh:mi)	2022-04-06 20:54	2022-04-06 20:54	2022-04-06 20:59	2022-04-06 21:10	2022-04-06 21:11	2022-04-06 21:17	2022-04-06 21:26	2022-04-06 21:26	2022-04-06 21:26	2022-04-06 21:26	2022-04-06 21:13	2022-04-06 21:26

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