

**Local Climatological Data**  
**Daily Summary**  
**June 2022**

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

Generated on 07/05/2022

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	91	68	80	8.8				0	15	0521	1947		0.00	0.0	0	28.98		3.7	14	260	10	260					
02	87	68	78	6.5				0	13	0521	1947	TS RA	0.37	0.0	0	28.84		6.1	33	040	18	050					
03	81	64	73	1.2				0	8	0520	1948	RA	0.01	0.0	0	28.85		5.5	20	030	14	030					
04	81	61	71	-1.0				0	6	0520	1948		0.00	0.0	0	28.87		7.7	23	030	16	020					
05	84	61	73	0.7				0	8	0520	1949		0.00	0.0	0	28.84		4.0	15	090	10	110					
06	86	62	74	1.4				0	9	0520	1950	TS RA	0.05	0.0	0	28.89		5.7	35	240	25	240					
07	82	67	75	2.1				0	10	0520	1950	RA BR TS	0.48	0.0	0	28.89		9.0	30	200	24	200					
08	83	69	76	2.9				0	11	0519	1951	TS RA BR	0.27	0.0	0	28.87		10.1	39	230	33	230					
09	82	64	73	-0.4				0	8	0519	1951		0.00	0.0	0	28.88		7.2	25	270	16	250					
10	81	56	69	-4.7				0	4	0519	1952		0.00	0.0	0	28.91		4.4	18	030	13	020					
11	83	61	72	-1.9				0	7	0519	1952		0.00	0.0	0	28.86		3.5	17	270	12	250					
12	88	63	76	1.8				0	11	0519	1952		0.00	0.0	0	28.88		5.0	21	240	15	260					
13	94	73	84	9.6				0	19	0519	1953		0.00	0.0	0	28.96		8.3	21	240	16	230					
14	94	77	86	11.3				0	21	0519	1953		T	0.0	0	28.98		6.9	23	230	16	270					
15	96	76	86	11.1				0	21	0519	1954		T	0.0	0	29.03		3.5	16	060	10	060					
16	96	75	86	10.8s				0s	21s	0519	1954		0.00	0.0	0	29.06		7.2	20	230	14	220					
17	93	71	82	6.6				0	17	0519	1954	TS RA	0.21	0.0	0	29.01		8.3	46	300	28	300					
18	86	66	76	0.4				0	11	0519	1955		0.00	0.0	0	28.96		8.4	26	340	20	010					
19	84	58	71	-4.8				0	6	0520	1955		0.00	0.0	0	29.10		9.7	25	040	18	040					
20	89	54*	72	-4.0				0	7	0520	1955		0.00	0.0	0	29.16		2.8	15	220	10	050					
21	94	60	77	0.8				0	12	0520	1955		0.00	0.0	0	29.15		2.6	16	360	10	030					
22	96*	65	81	4.6				0	16	0520	1956	TS	0.00	0.0	0	29.02		4.1	20	290	13	260					
23	95	71	83	6.4				0	18	0520	1956		0.00	0.0	0	28.88		5.0	22	010	16	010					
24	94	67	81	4.2				0	16	0521	1956	TS	0.00	0.0	0	28.92		4.5	25	190	20	190					
25	89	73	81	4.0				0	16	0521	1956		0.00	0.0	0	29.02		5.5	23	200	15	220					
26	88	72	80	2.9				0	15	0521	1956	TS RA	0.16	0.0	0	29.05		6.0	19	250	15	240					
27	87	70	79	1.7				0	14	0522	1956	RA BR	0.47	0.0	0	29.06		5.5	24	010	16	010					
28	86	64	75	-2.4				0	10	0522	1956		0.00	0.0	0	29.10		7.7	22	060	16	050					
29	91	71	81	3.4				0	16	0522	1956		0.00	0.0	0	29.14		3.2	13	040	9	190					
30	92	71	82	4.3				0	17	0523	1956	TS	0.04	0.0	0	29.13		2.9	31	110	22	100					
	88.4	66.6	77.5										Monthly Averages   Totals				2.06		28.97	29.99							
	3.0	1.9	2.5										Departure from Normal (1981-2010)				-1.75										
	Degree Days										Number of days with...																
	Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather										
	Total		Departure		Total		Departure		Max		Min																
Heating									≥90°		≤32°		≤32°		≤0°		≥0.01"		≥0.1"		≥1"		T-Storms Heavy Fog				
Cooling									12		0		0		0		5s		2s				5				
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...											
2007-04-17								Maximum				Date				Time				24-Hr...				Snow Depth			
								30.26				20				0850				Precip				Snowfall			
								29.79				02				1656				0.63							
																Date											
																26-27											
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 June 2022

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

Generated on 07/05/2022

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		73	22.8	68	20.0	66	18.9	79	6	220		29.00	8	+0.03	30.01	FM-15	0.00	30.05
01	0100	4		9.94		73	22.8	68	20.0	66	18.9	79	6	220		28.99	8	+0.03	30.01	FM-12		30.05
01	0153	7	CLR:00	10.00		73	22.8	68	20.0	66	18.9	79	0	000		28.99			30.00	FM-15	0.00	30.04
01	0253	7	CLR:00	10.00		72	22.2	68	20.0	66	18.9	82	6	270		28.99			30.00	FM-15	0.00	30.04
01	0353	7	CLR:00	10.00		70	21.1	67	19.4	66	18.9	87	0	000		29.00	5	0.00	30.01	FM-15	0.00	30.05
01	0400	4		9.94		70	21.1	67	19.4	66	18.9	87	0	000		28.99	5	0.00	30.01	FM-12		30.05
01	0453	7	FEW:02 80	10.00		68	20.0	66	18.9	65	18.3	90	3	150		29.02			30.03	FM-15	0.00	30.07
01	0553	7	BKN:07 100	10.00		69	20.6	67	19.4	66	18.9	90	0	000		29.04			30.06	FM-15	0.00	30.09
01	0653	7	BKN:07 47 BKN:07 110	10.00		71	21.7	68	20.0	67	19.4	87	0	000		29.06	1	-0.06	30.08	FM-15	0.00	30.11
01	0700	4	41	9.94		71	21.7	68	20.0	67	19.4	87	0	000		29.05	1	-0.06	30.08	FM-12		30.11
01	0753	7	SCT:04 55	10.00		75	23.9	70	21.1	68	20.0	79	3	140		29.07			30.08	FM-15	0.00	30.12
01	0853	7	FEW:02 55 FEW:02 110	10.00		79	26.1	72	22.2	69	20.6	72	0	000		29.05			30.06	FM-15	0.00	30.10
01	0953	7	FEW:02 50 FEW:02 110	10.00		82	27.8	73	22.8	68	20.0	63	3	VRB		29.04	8	+0.03	30.05	FM-15	0.00	30.09
01	1000	4	57	9.94		82	27.8	73	22.8	68	20.0	63	3			29.03	8	+0.03	30.05	FM-12		30.09
01	1053	7	FEW:02 50 FEW:02 170 SCT:04 250	10.00		84	28.9	72	22.2	66	18.9	55	0	000		29.02			30.03	FM-15	0.00	30.07
01	1153	7	SCT:04 50 SCT:04 170	10.00		86	30.0	73	22.8	66	18.9	51	5	290		29.00			30.01	FM-15	0.00	30.05
01	1253	7	FEW:02 55 FEW:02 170 FEW:02 250	10.00		86	30.0	72	22.2	65	18.3	49	5	290		28.98	8	+0.06	29.99	FM-15	0.00	30.03
01	1300	4	57	9.94		86	30.0	72	22.2	65	18.3	49	5	290		28.97	8	+0.06	29.99	FM-12		30.03
01	1353	7	FEW:02 55 FEW:02 200	10.00		88	31.1	71	21.7	63	17.2	43	6	320		28.95			29.96	FM-15	0.00	30.00
01	1453	7	FEW:02 55 FEW:02 200	10.00		89	31.7	71	21.7	62	16.7	41	6	270		28.93			29.94	FM-15	0.00	29.98
01	1553	7	FEW:02 60 FEW:02 180	10.00		89	31.7	72	22.2	63	17.2	42	3	290		28.91	6	+0.07	29.92	FM-15	0.00	29.96
01	1600	4	57	9.94		89	31.7	72	22.2	63	17.2	42	3	290		28.90	6	+0.07	29.92	FM-12		29.96
01	1653	7	FEW:02 60 FEW:02 180	10.00		89	31.7	72	22.2	64	17.8	43	3	220		28.89			29.91	FM-15	0.00	29.94
01	1753	7	FEW:02 60 FEW:02 180	10.00		88	31.1	72	22.2	64	17.8	45	7	280		28.88			29.90	FM-15	0.00	29.93
01	1853	7	FEW:02 60 FEW:02 180	10.00		86	30.0	72	22.2	65	18.3	49	6	260		28.88	6	+0.03	29.89	FM-15	0.00	29.93
01	1900	4	57	9.94		86	30.0	72	22.2	65	18.3	49	6	260		28.87	6	+0.03	29.89	FM-12		29.93
01	1953	7	FEW:02 60 FEW:02 150	10.00		80	26.7	70	21.1	65	18.3	60	6	220		28.87			29.88	FM-15	0.00	29.92
01	2053	7	FEW:02 60 FEW:02 150	10.00		78	25.6	70	21.1	65	18.3	64	3	180		28.87			29.88	FM-15	0.00	29.92
01	2153	7	FEW:02 250	10.00		79	26.1	69	20.6	64	17.8	60	5	210		28.88	5	+0.01	29.88	FM-15	0.00	29.93
01	2200	4		9.94		79	26.1	69	20.6	64	17.8	60	5	210		28.87	5	+0.01	29.88	FM-12		29.93
01	2253	7	FEW:02 250	10.00		75	23.9	69	20.6	66	18.9	74	7	200		28.88			29.89	FM-15	0.00	29.93
01	2353	7	CLR:00	10.00		73	22.8	68	20.0	65	18.3	76	7	220		28.89			29.90	FM-15	0.00	29.94

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

**Local Climatological Data**  
**Hourly Remarks**  
**June 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 07/05/2022

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

Date	Time (LST)	Remarks
01	0053	MET11406/01/22 00:53:02 METAR KTYS 010553Z 22005KT 10SM CLR 23/19 A3005 RMK AO2 SLP162 T02280189 10300 20228 58010 (JTD)
01	0100	SYN08072326 32966 02205 10228 20189 39817 40162 58010 90553 333 10306 20217 555 90106=
01	0153	MET09606/01/22 01:53:02 METAR KTYS 010653Z 00000KT 10SM CLR 23/19 A3004 RMK AO2 SLP159 T02280189 (JTD)
01	0253	MET09606/01/22 02:53:02 METAR KTYS 010753Z 27005KT 10SM CLR 22/19 A3004 RMK AO2 SLP159 T02220189 (JTD)
01	0353	MET10206/01/22 03:53:02 METAR KTYS 010853Z 00000KT 10SM CLR 21/19 A3005 RMK AO2 SLP162 T02110189 55000 (JTD)
01	0400	SYN06472326 32966 00000 10211 20189 39817 40162 55000 90853 555 90109=
01	0453	MET09906/01/22 04:53:02 METAR KTYS 010953Z 15003KT 10SM FEW080 20/18 A3007 RMK AO2 SLP171 T02000183 (JTD)
01	0553	MET09906/01/22 05:53:02 METAR KTYS 011053Z 00000KT 10SM BKN100 21/19 A3009 RMK AO2 SLP179 T02060189 (JTD)
01	0653	MET12406/01/22 06:53:02 METAR KTYS 011153Z 00000KT 10SM BKN047 BKN110 22/19 A3011 RMK AO2 SLP185 T02170194 10233 20200 51022 (JTD)
01	0700	SYN08072326 32666 60000 10217 20194 39837 40185 51022 91153 333 10317 20200 555 90112=
01	0753	MET09806/01/22 07:53:02 METAR KTYS 011253Z 14003KT 10SM SCT055 24/20 A3012 RMK AO2 SLP186 T02390200 (MB)
01	0853	MET10506/01/22 08:53:02 METAR KTYS 011353Z 00000KT 10SM FEW055 FEW110 26/21 A3010 RMK AO2 SLP180 T02610206 (MB)
01	0953	MET11106/01/22 09:53:02 METAR KTYS 011453Z VRB03KT 10SM FEW050 FEW110 28/20 A3009 RMK AO2 SLP175 T02780200 58009 (MB)
01	1000	SYN06472326 32766 2/03 10278 20200 39830 40175 58009 91453 555 90115=
01	1053	MET11206/01/22 10:53:02 METAR KTYS 011553Z 00000KT 10SM FEW050 FEW170 SCT250 29/19 A3007 RMK AO2 SLP170 T02890189 (MB)
01	1153	MET10506/01/22 11:53:02 METAR KTYS 011653Z 29004KT 10SM SCT050 SCT170 30/19 A3005 RMK AO2 SLP163 T03000189 (MB)
01	1253	MET13006/01/22 12:53:02 METAR KTYS 011753Z 29004KT 10SM FEW055 FEW170 FEW250 30/18 A3003 RMK AO2 SLP156 T03000183 10311 20217 58019 (MB)
01	1300	SYN08072326 32766 22904 10300 20183 39810 40156 58019 91753 333 10311 20217 555 90118=
01	1353	MET10506/01/22 13:53:02 METAR KTYS 011853Z 32005KT 10SM FEW055 FEW200 31/17 A3000 RMK AO2 SLP147 T03110172 (MB)
01	1453	MET10506/01/22 14:53:02 METAR KTYS 011953Z 27005KT 10SM FEW055 FEW200 32/17 A2998 RMK AO2 SLP138 T03170167 (MB)
01	1553	MET11206/01/22 15:53:02 METAR KTYS 012053Z 29003KT 10SM FEW060 FEW180 32/17 A2996 RMK AO2 SLP132 T03170172 56023 (ALG)
01	1600	SYN06472326 32766 22903 10317 20172 39787 40132 56023 92053 555 90121=
01	1653	MET10606/01/22 16:53:02 METAR KTYS 012153Z 22003KT 10SM FEW060 FEW180 32/18 A2994 RMK AO2 SLP127 T03170178 (ALG)
01	1753	MET10606/01/22 17:53:02 METAR KTYS 012253Z 28006KT 10SM FEW060 FEW180 31/18 A2993 RMK AO2 SLP124 T03110178 (ALG)
01	1853	MET12406/01/22 18:53:02 METAR KTYS 012353Z 26005KT 10SM FEW060 FEW180 30/18 A2993 RMK AO2 SLP123 T03000183 10328 20300 56009 (ALG)
01	1900	SYN08072326 32766 22605 10300 20183 39777 40123 56009 92353 333 10328 20200 555 90200=
01	1953	MET10006/01/22 19:53:01 METAR KTYS 020053Z 22005KT 10SM FEW060 FEW150 27/18 A2992 RMK AO2 SLP120 T02670183
01	2053	MET10006/01/22 20:53:01 METAR KTYS 020153Z 18003KT 10SM FEW060 FEW150 26/18 A2992 RMK AO2 SLP118 T02560183
01	2153	MET09906/01/22 21:53:01 METAR KTYS 020253Z 21004KT 10SM FEW250 26/18 A2993 RMK AO2 SLP120 T02610178 55002
01	2200	SYN06472326 32966 22104 10261 20178 39777 40120 55002 90253 555 90203=
01	2253	MET09306/01/22 22:53:02 METAR KTYS 020353Z 20006KT 10SM FEW250 24/19 A2993 RMK AO2 SLP122 T02390189
01	2353	MET10006/01/22 23:53:02 METAR KTYS 020453Z 22006KT 10SM CLR 23/18 A2994 RMK AO2 SLP126 T02280183 403280200

**Local Climatological Data**  
**Hourly Precipitation**  
**June 2022**

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

Generated on 07/05/2022

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	0.12						0.24	T	0.01	T	02
03		T	T	T	0.01																					03	
04																								M			04
05																											05
06																											06
07							0.07	0.03	0.11	0.20	0.07	T															07
08										T	T	0.04	T														08
09																											09
10																											10
11																											11
12																											12
13																											13
14																											14
15																											15
16																											16
17														0.14	0.07												17
18																											18
19																											19
20																											20
21																											21
22																											22
23																											23
24																											24
25																											25
26																T	T										26
27				0.36	0.10	0.01	T	T			T	T															27
28																											28
29																											29
30																		0.04									30
Maximum Short Duration Precipitation																											
Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180															
Precipitation (inches)	0.24	0.31	0.38	0.40	0.44	0.46	0.46	0.46	0.47	0.47	0.47	0.47															
Ending Date Time (yyyy-mm-dd hh:mi)	2022-06-02 20:21	2022-06-27 02:58	2022-06-27 03:02	2022-06-27 03:02	2022-06-27 03:16	2022-06-27 03:26	2022-06-27 03:26	2022-06-27 03:26	2022-06-27 04:16	2022-06-27 04:16	2022-06-27 04:16	2022-06-27 04:16															

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