

Local Climatological Data Daily Summary June 2021

Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W

Generated on 12/13/2021

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	82	59	71	-0.2	63	56	62	0	6	0521	1947		0.00	0.0	0	29.15	30.18	4.1	14	200	9	270	
02	75	62	69	-2.5	75	61	64	0	4	0521	1947	RA	0.01	0.0	0	29.03	30.05	4.0	25	210	20	210	
03	75	64	70	-1.8	91	66	66	0	5	0520	1948	RA BR	0.42	0.0	0	28.95	29.98	6.5	21	230	15	220	
04	83	66	75	3.0	72	63	67	0	10	0520	1948	BR	0.00	0.0	0	29.00	30.03	3.9	15	270	9	030	
05	88	61	75	2.7	65	62	67	0	10	0520	1949	RA BR	0.21	0.0	0	29.01	30.03	2.4	21	200	16	150	
06	82	70	76	3.4	87	70	72	0	11	0520	1950	RA	0.09	0.0	0	29.03	30.05	2.4	10	130	8	130	
07	82	72	77	4.1	86	71	72	0	12	0520	1950	TS RA BR	0.18	0.0	0	29.03	30.05	4.2	20	220	13	240	
08	86	68	77	3.9	78	70	72	0	12	0519	1951	RA	0.10	0.0	0	29.08	30.09	5.0	33	220	26	220	
09	81	67	74	0.6	86	70	71	0	9	0519	1951	RA	0.12	0.0	0	29.04	30.05	5.9	20	210	16	200	
10	82	70	76	2.3	85	70	71	0	11	0519	1952	RA	0.01	0.0	0	28.93	29.94	8.3	26	240	21	230	
11	82	70	76	2.1	90	71	72	0	11	0519	1952	TS RA BR	0.28	0.0	0	28.82	29.83	7.4	24	240	18	230	
12	88	69	79	4.8	77	68	71	0	14	0519	1952	TS RA	0.30	0.0	0	28.79	29.81	5.8	39	360	31	360	
13	90	65	78	3.6	72	68	71	0	13	0519	1953		0.00	0.0	0	28.85	29.86	2.2	11	300	8	340	
14	92	71	82	7.3	66	66	71	0	17	0519	1953	TS RA BR	0.15	0.0	0	28.85	29.87	4.8	16	020	14	020	
15	83	68	76	1.1	51	56	64	0	11	0519	1954		0.00	0.0	0	28.90	29.92	6.5	23	010	16	360	
16	84	59	72	-3.2	56	55	62	0	7	0519	1954		0.00	0.0	0	28.97	29.99	3.5	20	340	13	010	
17	85	59	72	-3.4	60	56	63	0	7	0519	1954		0.00	0.0	0	29.00	30.03	2.9	14	270	10	330	
18	89	60	75	-0.6	59	59	66	0	10	0519	1955		0.00	0.0	0	29.03	30.02	5.7	22	210	15	260	
19	85	68	77	1.2	71	65	69	0	12	0520	1955		0.00	0.0	0	28.95	29.95	7.4	30	210	22	210	
20	89	68	79	3.0	68	67	71	0	14	0520	1955		0.00	0.0	0	28.80	29.81	6.2	17	240	10	220	
21	92	69	81	4.8	75	69	72	0	16	0520	1955	TS RA BR	0.52	0.0	0	28.82	29.82	13.3	36	240	24	210	
22	79	64	72	-4.4	69	59	64	0	7	0520	1956	RA BR	0.40	0.0	0	28.87	29.91	5.9	17	010	13	360	
23	83	57*	70	-6.6	63	58	63	0	5	0520	1956		0.00	0.0	0	29.07	30.10	5.6	18	330	12	020	
24	86	63	75	-1.8	62	61	67	0	10	0521	1956		0.00	0.0	0	29.12	30.15	5.7	19	150	13	230	
25	86	64	75	-2.0	64	63	68	0	10	0521	1956		0.00	0.0	0	29.12	30.14	4.3	18	200	14	210	
26	86	64	75	-2.1	64	63	68	0	10	0521	1956		T	0.0	0	29.10	30.11	5.3	19	150	15	160	
27	87	67	77	-0.3	73	68	71	0	12	0522	1956	RA	T	0.0	0	29.10	30.12	4.5	26	120	17	110	
28	93*	70	82	4.6	73	70	73	0	17	0522	1956	TS RA	T	0.0	0	29.14	30.16	3.6	25	180	17	170	
29	90	70	80	2.4	80	70	73	0	15	0522	1956	TS	0.06	0.0	0	29.15	30.18	5.3	21	120	16	160	
30	91	68	80	2.3	69	66	70	0	15	0523	1956	FG BR	0.00	0.0	0	29.12	30.11	4.7	18	250	13	250	
Monthly Averages Totals													2.85			29.00	30.01	5.4					
Departure from Normal (1981-2010)													-0.96										
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		0			-4			3406		>=90°		<=32°		<=32°		<=0°	14	10	0	9	1		
Cooling		314			9			462		6		0		0		0	14	10	0	9	1		
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...							
2007-04-17								Maximum		30.24		Date		01		Time		0853		24-Hr...		Snow Depth	
								Minimum		29.73		21		1427		Precip		0.92		Snowfall		0.0	
								Date								21-22							
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 June 2021

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 12/13/2021

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	OVC:08 55	10.00		65	18.3	60	15.6	57	13.9	76	0	000		29.16	5	+0.01	30.19	FM-15	0.00	30.22
01	0100	4	57	9.94		65	18.3	60	15.6	57	13.9	76	0	000		29.15	5	+0.01	30.19	FM-12		30.22
01	0153	7	SCT:04 55	10.00		62	16.7	59	15.0	57	13.9	84	3	210		29.16			30.19	FM-15	0.00	30.22
01	0253	7	OVC:08 55	10.00		63	17.2	60	15.6	57	13.9	81	6	210		29.18			30.20	FM-15	0.00	30.23
01	0353	7	BKN:07 60	10.00		62	16.7	59	15.0	56	13.3	80	3	220		29.18	3	-0.01	30.21	FM-15	0.00	30.23
01	0400	4	57	9.94		62	16.7	59	15.0	56	13.3	80	3	220		29.16	3	-0.01	30.21	FM-12		30.23
01	0453	7	BKN:07 60	10.00		60	15.6	58	14.4	57	13.9	90	0	000		29.19			30.22	FM-15	0.00	30.25
01	0553	7	BKN:07 60 BKN:07 180	10.00		61	16.1	60	15.6	59	15.0	93	5	050		29.21			30.24	FM-15	0.00	30.26
01	0653	7	FEW:02 65 BKN:07 250	10.00		64	17.8	61	16.1	59	15.0	84	3	020		29.21	1	-0.03	30.24	FM-15	0.00	30.27
01	0700	4	57	9.94		64	17.8	61	16.1	59	15.0	84	3	020		29.20	1	-0.03	30.24	FM-12		30.27
01	0753	7	FEW:02 65 BKN:07 250	10.00		67	19.4	62	16.7	58	14.4	73	6	050		29.21			30.24	FM-15	0.00	30.27
01	0853	7	FEW:02 37 FEW:02 200 BKN:07 250	10.00		70	21.1	63	17.2	58	14.4	66	3	VRB		29.21			30.24	FM-15	0.00	30.27
01	0953	7	FEW:02 40 SCT:04 160 BKN:07 250	10.00		74	23.3	64	17.8	57	13.9	56	6	180		29.21	8	+0.01	30.23	FM-15	0.00	30.26
01	1000	4	41	9.94		74	23.3	64	17.8	57	13.9	56	6	180		29.19	8	+0.01	30.23	FM-12		30.26
01	1053	7	SCT:04 48 BKN:07 160 OVC:08 250	10.00		76	24.4	63	17.2	55	12.8	48	7	VRB		29.21			30.23	FM-15	0.00	30.26
01	1153	7	SCT:04 50 OVC:08 250	10.00		79	26.1	65	18.3	56	13.3	45	9	210		29.18			30.21	FM-15	0.00	30.24
01	1253	7	SCT:04 55 SCT:04 170 OVC:08 250	10.00		77	25.0	63	17.2	53	11.7	43	3	230		29.16	8	+0.04	30.19	FM-15	0.00	30.22
01	1300	4	57	9.94		77	25.0	63	17.2	53	11.7	43	3	230		29.15	8	+0.04	30.19	FM-12		30.22
01	1353	7	SCT:04 60 BKN:07 200 OVC:08 250	10.00		80	26.7	63	17.2	51	10.6	37	8	280		29.15			30.17	FM-15	0.00	30.20
01	1453	7	SCT:04 60 BKN:07 200 OVC:08 250	10.00		80	26.7	63	17.2	52	11.1	38	0	000		29.13			30.15	FM-15	0.00	30.18
01	1553	7	SCT:04 60 BKN:07 200 OVC:08 250	10.00		81	27.2	65	18.3	55	12.8	41	7	310		29.12	6	+0.05	30.14	FM-15	0.00	30.17
01	1600	4	57	9.94		81	27.2	65	18.3	55	12.8	41	7	310		29.10	6	+0.05	30.14	FM-12		30.17
01	1653	7	SCT:04 60 BKN:07 200 OVC:08 250	10.00		80	26.7	65	18.3	55	12.8	42	6	320		29.11			30.13	FM-15	0.00	30.16
01	1753	7	FEW:02 60 BKN:07 200 OVC:08 250	10.00		78	25.6	64	17.8	55	12.8	45	0	000		29.09			30.11	FM-15	0.00	30.14
01	1853	7	FEW:02 60 BKN:07 200 OVC:08 250	10.00		77	25.0	65	18.3	57	13.9	50	3	350		29.09	5	+0.03	30.11	FM-15	0.00	30.14
01	1900	4	57	9.94		77	25.0	65	18.3	57	13.9	50	3	350		29.08	5	+0.03	30.11	FM-12		30.14

01	1953	7	FEW:02 60 BKN:07 200 OVC:08 250	10.00		73	22.8	63	17.2	57	13.9	57	3	060		29.09			30.11	FM-15	0.00	30.14
01	2053	7	FEW:02 60 OVC:08 200	10.00		71	21.7	63	17.2	58	14.4	63	3	070		29.09			30.11	FM-15	0.00	30.14
01	2153	7	FEW:02 60 OVC:08 200	10.00		69	20.6	63	17.2	59	15.0	70	3	050		29.09	1	0.00	30.11	FM-15	0.00	30.14
01	2200	4	57	9.94		69	20.6	63	17.2	59	15.0	70	3	050		29.08	1	0.00	30.11	FM-12		30.14
01	2253	7	SCT:04 200 BKN:07 250	10.00		67	19.4	62	16.7	59	15.0	76	5	170		29.10			30.12	FM-15	0.00	30.15
01	2353	7	BKN:07 250	10.00		68	20.0	62	16.7	58	14.4	70	3	220		29.09			30.11	FM-15	0.00	30.14

Local Climatological Data
Hourly Remarks
June 2021

Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W

Generated on 12/13/2021

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

Date	Time (LST)	Remarks
01	0053	MET11706/01/21 00:53:02 METAR KTYS 010553Z 00000KT 10SM OVC055 18/14 A3022 RMK AO2 SLP225 T01830139 10244 20178 55005 (JTD)
01	0100	SYN08072326 32766 80000 10183 20139 39873 40225 55005 90553 333 10244 20106 555 90106=
01	0153	MET09906/01/21 01:53:02 METAR KTYS 010653Z 21003KT 10SM SCT055 17/14 A3022 RMK AO2 SLP225 T01670139 (JTD)
01	0253	MET09906/01/21 02:53:02 METAR KTYS 010753Z 21005KT 10SM OVC055 17/14 A3023 RMK AO2 SLP228 T01720139 (JTD)
01	0353	MET10506/01/21 03:53:02 METAR KTYS 010853Z 22003KT 10SM BKN060 17/13 A3023 RMK AO2 SLP229 T01670133 53004 (JTD)
01	0400	SYN06472326 32766 62203 10167 20133 39876 40229 53004 90853 555 90109=
01	0453	MET09906/01/21 04:53:02 METAR KTYS 010953Z 00000KT 10SM BKN060 16/14 A3025 RMK AO2 SLP234 T01560139 (JTD)
01	0553	MET10606/01/21 05:53:02 METAR KTYS 011053Z 05004KT 10SM BKN060 BKN180 16/15 A3026 RMK AO2 SLP239 T01610150 (JTD)
01	0653	MET12406/01/21 06:53:02 METAR KTYS 011153Z 02003KT 10SM FEW065 BKN250 18/15 A3027 RMK AO2 SLP241 T01780150 10183 20150 51011 (JTD)
01	0700	SYN08072326 32766 60203 10178 20150 39889 40241 51011 91153 333 10261 20150 555 90112=
01	0753	MET10506/01/21 07:53:02 METAR KTYS 011253Z 05005KT 10SM FEW065 BKN250 19/14 A3027 RMK AO2 SLP242 T01940144 (MB)
01	0853	MET11206/01/21 08:53:02 METAR KTYS 011353Z VRB03KT 10SM FEW037 FEW200 BKN250 21/14 A3027 RMK AO2 SLP241 T02110144 (MB)
01	0953	MET11806/01/21 09:53:02 METAR KTYS 011453Z 18005KT 10SM FEW040 SCT160 BKN250 23/14 A3026 RMK AO2 SLP237 T02330139 58003 (MB)
01	1000	SYN06472326 32666 61805 10233 20139 39886 40237 58003 91453 555 90115=
01	1053	MET11206/01/21 10:53:02 METAR KTYS 011553Z VRB06KT 10SM SCT048 BKN160 OVC250 24/13 A3026 RMK AO2 SLP236 T02440128 (MB)
01	1153	MET10506/01/21 11:53:02 METAR KTYS 011653Z 21008KT 10SM SCT050 OVC250 26/13 A3024 RMK AO2 SLP230 T02610133 (MB)
01	1253	MET13006/01/21 12:53:02 METAR KTYS 011753Z 23003KT 10SM SCT055 SCT170 OVC250 25/12 A3022 RMK AO2 SLP224 T02500117 10261 20183 58013 (MB)
01	1300	SYN08072326 32766 82303 10250 20117 39873 40224 58013 91753 333 10261 20183 555 90118=
01	1353	MET11206/01/21 13:53:02 METAR KTYS 011853Z 28007KT 10SM SCT060 BKN200 OVC250 27/11 A3020 RMK AO2 SLP217 T02670106 (MB)
01	1453	MET11206/01/21 14:53:02 METAR KTYS 011953Z 00000KT 10SM SCT060 BKN200 OVC250 27/11 A3018 RMK AO2 SLP211 T02670111 (MB)
01	1553	MET11806/01/21 15:53:02 METAR KTYS 012053Z 31006KT 10SM SCT060 BKN200 OVC250 27/13 A3017 RMK AO2 SLP205 T02720128 56018 (MB)
01	1600	SYN06472326 32766 83106 10272 20128 39856 40205 56018 92053 555 90121=
01	1653	MET11206/01/21 16:53:02 METAR KTYS 012153Z 32005KT 10SM SCT060 BKN200 OVC250 27/13 A3016 RMK AO2 SLP203 T02670128 (BB)
01	1753	MET11206/01/21 17:53:02 METAR KTYS 012253Z 00000KT 10SM FEW060 BKN200 OVC250 26/13 A3014 RMK AO2 SLP197 T02560128 (BB)
01	1853	MET13006/01/21 18:53:02 METAR KTYS 012353Z 35003KT 10SM FEW060 BKN200 OVC250 25/14 A3014 RMK AO2 SLP196 T02500139 10278 20250 55009 (BB)
01	1900	SYN08072326 32766 83503 10250 20139 39846 40196 55009 92353 333 10278 20150 555 90200=
01	1953	MET10706/01/21 19:53:01 METAR KTYS 020053Z 06003KT 10SM FEW060 BKN200 OVC250 23/14 A3014 RMK AO2 SLP198 T02280139
01	2053	MET10006/01/21 20:53:01 METAR KTYS 020153Z 07003KT 10SM FEW060 OVC200 22/14 A3014 RMK AO2 SLP198 T02170144
01	2153	MET10606/01/21 21:53:01 METAR KTYS 020253Z 05003KT 10SM FEW060 OVC200 21/15 A3014 RMK AO2 SLP198 T02060150 51001
01	2200	SYN06472326 32766 80503 10206 20150 39846 40198 51001 90253 555 90203=
01	2253	MET10006/01/21 22:53:02 METAR KTYS 020353Z 17004KT 10SM SCT200 BKN250 19/15 A3015 RMK AO2 SLP201 T01940150
01	2353	MET10306/01/21 23:53:02 METAR KTYS 020453Z 22003KT 10SM BKN250 20/14 A3014 RMK AO2 SLP196 T02000144 402780150

Local Climatological Data Hourly Precipitation June 2021

Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W

Generated on 12/13/2021

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	T	T										0.01	02
03	0.01	T	0.07	0.18	T		T	T	T	0.07s	0.05	0.02	T	0.02	T	T										03
04																										04
05																							T	0.21		05
06	0.02	T		T	0.01		T	T			T		T	T	0.06			T	T	T						06
07							T	0.10	T	T	0.06	0.02	T				T									07
08															T										0.10	08
09	T	T	T	T	T	T					T		0.01	0.05	T		T					0.02s	0.04	T		09
10																T							T	0.01		10
11	T	T	T				0.05s	0.01	T		T		0.18	0.03	T	T	0.01		T	T						11
12																			0.08	0.22						12
13																										13
14		0.14	0.01					T																		14
15																										15
16																										16
17																										17
18																										18
19																										19
20																										20
21																		0.02	0.36	0.06	0.07	0.01	T			21
22	T	T			0.11	0.12	0.14	0.03																		22
23																										23
24																										24
25																										25
26																										26
27													T	T												27
28																	T	T								28
29																T	0.06									29
30																										30

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.16	0.20	0.25	0.32	0.33	0.37	0.38	0.38	0.42	0.44	0.49	0.51
Ending Date Time (yyyy-mm-dd hh:mi)	2021-06-21 18:34	2021-06-21 18:37	2021-06-12 19:10	2021-06-12 19:15	2021-06-12 19:16	2021-06-21 18:43	2021-06-21 18:44	2021-06-21 18:44	2021-06-21 19:36	2021-06-21 19:51	2021-06-21 20:28	2021-06-21 20:53

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