

Local Climatological Data Daily Summary June 2020

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

Generated on 03/09/2021

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	83	54*	69	-2.5	51	49	58	0	4	0521	1947		0.00	0.0	0	29.16	30.19	5.1	17	040	13	030									
02	85	59	72	0.2	63	60	65	0	7	0520	1948		0.00	0.0	0	29.10	30.11	8.1	26	230	17	200									
03	87	68	78	6.0	64	64	69	0	13	0520	1948		0.00	0.0	0	28.95	29.96	6.9	19	290	16	280									
04	89	69	79	6.7	64	65	70	0	14	0520	1949		T	0.0	0	28.86	29.87	9.2	29	190	22	230									
05	84	70	77	4.4	73	66	70	0	12	0520	1950	RA BR	0.51	0.0	0	28.87	29.89	8.9	28	220	22	210									
06	89	67	78	5.1	69	66	70	0	13	0520	1950		0.00	0.0	0	28.95	29.96	1.9	11	350	8	010									
07	92	68	80	6.9	59	64	70	0	15	0519	1951		0.00	0.0	0	28.90	29.91	4.5	18	020	13	020									
08	89	69	79	5.6	57	63	69	0	14	0519	1951		0.00	0.0	0	28.89	29.90	6.8	17	140	13	190									
09	90	72	81	7.3	67	67	71	0	16	0519	1952	RA	0.07	0.0	0	28.89	29.89	10.4	33	220	25	210									
10	91	71	81	7.1	70	69	72	0	16	0519	1952	RA	T	0.0	0	28.85	29.86	13.2	37	210	30	210									
11	82	65	74	-0.2	57	57	63	0	9	0519	1952		0.00	0.0	0	29.07	30.11	7.2	22	060	17	270									
12	85	60	73	-1.4	51	52	61	0	8	0519	1953		0.00	0.0	0	29.15	30.17	9.0	33	040	24	030									
13	86	57	72	-2.7	51	51	60	0	7	0519	1953		0.00	0.0	0	29.08	30.10	4.3	21	080	14	050									
14	84	60	72	-2.9	62	55	61	0	7	0519	1954	TS RA	0.01	0.0	0	29.11	30.15	3.6	28	020	22	020									
15	76	57	67	-8.2	72	56	60	0	2	0519	1954	TS RA	0.35	0.0	0	29.13	30.17	6.1	43	090	26	100									
16	73	57	65	-10.4	68	54	58	0	0	0519	1954		0.00	0.0	0	29.15	30.19	7.8	22	050	17	040									
17	72	55	64	-11.6	76	57	60	1	0	0519	1955	RA	T	0.0	0	29.07	30.09	3.8	17	040	14	040									
18	80	56	68	-7.8	67	58	63	0	3	0520	1955	BR FG	0.00	0.0	0	29.00	30.00	3.5	15	350	12	320									
19	82	64	73	-3.0	70	62	66	0	8	0520	1955	TS	T	0.0	0	29.04	30.06	3.1	16	230	12	260									
20	90	63	77	0.8	67	63	67	0	12	0520	1955	TS	0.00	0.0	0	29.01	30.03	2.7	19	330	15	330									
21	92*	65	79	2.6	65	63	68	0	14	0520	1956	TS	T	0.0	0	28.94	29.95	5.6	31	220	25	220									
22	87	67	77	0.4	74	66	69	0	12	0520	1956	TS RA	0.16	0.0	0	28.95	29.96	7.0	37	190	29	210									
23	86	69	78	1.2	79	67	70	0	13	0521	1956	RA BR	0.05	0.0	0	28.82	29.82	10.6	36	210	26	210									
24	86	67	77	0.0	68	63	67	0	12	0521	1956		0.00	0.0	0	28.89	29.91	5.4	24	270	15	260									
25	88	69	79	1.9	61	61	67	0	14	0521	1956		0.00	0.0	0	28.97	30.01	7.3	20	260	14	260									
26	86	66	76	-1.3	73	65	69	0	11	0522	1956		0.00	0.0	0	29.08	30.11	8.9	33	210	26	210									
27	81	68	75	-2.4	77	66	69	0	10	0522	1956	RA	0.04	0.0	0	29.02	30.02	11.6	25	220	20	230									
28	86	69	78	0.4	79	69	71	0	13	0522	1956	TS RA BR	0.34	0.0	0	28.90	29.91	7.3	37	250	24	250									
29	91	68	80	2.3	77	68	71	0	15	0523	1956	TS RA BR	2.22	0.0	0	28.96	29.97	5.8	27	050	21	050									
30	82	69	76	-1.8	81	68	70	0	11	0523	1956	TS RA DZ	T	0.0	0	28.94	29.95	5.0	23	250	18	230									
Monthly Averages Totals													3.75			28.99	30.01	6.7													
Departure from Normal (1981-2010)													-0.06																		
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		1			-3			3095		>=90°			<=32°		<=32°		<=0°		9		5		0		0		0				
Cooling		298			-7			450		6		0		0		0		9		5		0		0		0					
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...															
2007-04-17								Maximum				Date				Time				24-Hr...				Snow Depth							
								30.25				01				0953				Precip				Snowfall				Snow Depth			
								29.75				23				1628				2.22				0.0				0.0			
Date																29-29															
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 2020

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

Generated on 03/09/2021

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	CLR:00	10.00		56	13.3	51	10.6	46	7.8	70	8	040		29.15	0	-0.01	30.18	FM-15	0.00	30.20
01	0100	4		9.94		56	13.3	51	10.6	46	7.8	70	8	040		29.13	9	+0.01	30.18	FM-12		30.20
01	0153	7	CLR:00	10.00		59	15.0	52	11.1	45	7.2	60	8	030		29.15			30.18	FM-15	0.00	30.20
01	0253	7	CLR:00	10.00		58	14.4	52	11.1	46	7.8	65	8	020		29.15			30.19	FM-15	0.00	30.21
01	0353	7	CLR:00	10.00		57	13.9	51	10.6	46	7.8	67	9	020		29.16	3	-0.02	30.20	FM-15	0.00	30.22
01	0400	4		9.94		57	13.9	51	10.6	46	7.8	67	9	020		29.15	3	-0.02	30.20	FM-12		30.22
01	0453	7	FEW:02 49	10.00		55	12.8	50	10.0	46	7.8	72	6	040		29.18			30.22	FM-15	0.00	30.24
01	0553	7	BKN:07 50	10.00		55	12.8	51	10.6	47	8.3	74	7	050		29.19			30.23	FM-15	0.00	30.25
01	0653	7	SCT:04 50 SCT:04 250	10.00		59	15.0	52	11.1	46	7.8	62	10	050		29.21	1	-0.04	30.24	FM-15	0.00	30.26
01	0700	4	57	9.94		59	15.0	52	11.1	46	7.8	62	10	050		29.19	1	-0.04	30.24	FM-12		30.26
01	0753	7	FEW:02 50	10.00		63	17.2	55	12.8	48	8.9	58	13	030		29.21			30.25	FM-15	0.00	30.27
01	0853	7	FEW:02 50	10.00		67	19.4	58	14.4	50	10.0	55	10	040		29.22			30.25	FM-15	0.00	30.28
01	0953	7	FEW:02 55	10.00		70	21.1	59	15.0	50	10.0	49	9	030		29.21	0	-0.01	30.25	FM-15	0.00	30.27
01	1000	4	57	9.94		70	21.1	59	15.0	50	10.0	49	9	030		29.20	9	+0.01	30.25	FM-12		30.27
01	1053	7	FEW:02 55 FEW:02 250	10.00		73	22.8	59	15.0	48	8.9	41	5	340		29.21			30.24	FM-15	0.00	30.27
01	1153	7	FEW:02 55 FEW:02 250	10.00		76	24.4	59	15.0	45	7.2	33	6	080		29.21			30.23	FM-15	0.00	30.26
01	1253	7	FEW:02 60 FEW:02 250	10.00		78	25.6	60	15.6	45	7.2	31	0	000		29.18	8	+0.03	30.22	FM-15	0.00	30.24
01	1300	4	57	9.94		78	25.6	60	15.6	45	7.2	31	0	000		29.17	8	+0.03	30.22	FM-12		30.24
01	1353	7	FEW:02 60 SCT:04 250	10.00		80	26.7	62	16.7	49	9.4	34	7	VRB		29.16			30.19	FM-15	0.00	30.22
01	1453	7	FEW:02 60 SCT:04 250	10.00		80	26.7	61	16.1	47	8.3	31	0	000		29.15			30.18	FM-15	0.00	30.21
01	1553	7	FEW:02 60 BKN:07 250	10.00		81	27.2	62	16.7	49	9.4	33	6	VRB		29.13	8	+0.06	30.16	FM-15	0.00	30.18
01	1600	4	57	9.94		81	27.2	62	16.7	49	9.4	33	6			29.12	8	+0.06	30.16	FM-12		30.18
01	1653	7	FEW:02 60 BKN:07 250	10.00		82	27.8	62	16.7	47	8.3	29	3	VRB		29.12			30.14	FM-15	0.00	30.17
01	1753	7	FEW:02 60 SCT:04 250	10.00		80	26.7	61	16.1	47	8.3	31	0	000		29.11			30.13	FM-15	0.00	30.16
01	1853	7	FEW:02 60 SCT:04 250	10.00		80	26.7	62	16.7	48	8.9	33	3	290		29.11	6	+0.02	30.13	FM-15	0.00	30.16
01	1900	4	57	9.94		80	26.7	62	16.7	48	8.9	33	3	290		29.10	6	+0.02	30.13	FM-12		30.16
01	1953	7	FEW:02 60 BKN:07 250	10.00		77	25.0	61	16.1	50	10.0	39	0	000		29.12			30.14	FM-15	0.00	30.17
01	2053	7	SCT:04 250	10.00		69	20.6	60	15.6	54	12.2	59	5	060		29.14			30.16	FM-15	0.00	30.19
01	2151	7	FEW:02 2	10.00		70	21.1	61	16.1	55	12.8	60	0	000		29.14				FM-16		30.19
01	2153	7	FEW:02 2	10.00		69	20.6	61	16.1	55	12.8	61	0	000		29.14	1	-0.03	30.16	FM-15	0.00	30.19
01	2200	4	2	9.94		70	21.1	61	16.1	55	12.8	60	0	000		29.13	1	-0.03	30.16	FM-12		30.19
01	2253	7	CLR:00	10.00		66	18.9	60	15.6	55	12.8	68	0	000		29.13			30.15	FM-15	0.00	30.18
01	2353	7	CLR:00	10.00		66	18.9	60	15.6	55	12.8	68	0	000		29.14			30.16	FM-15	0.00	30.19

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

Local Climatological Data
Hourly Remarks
June 2020

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 03/09/2021

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

Date	Time (LST)	Remarks
01	0053	MET11406/01/20 00:53:02 METAR KTYS 010553Z 04007KT 10SM CLR 13/08 A3020 RMK AO2 SLP220 T01330078 10233 20133 50004 (JTD)
01	0100	SYN08072326 32966 00407 10133 20078 39866 40220 50004 90553 333 10244 20133 555 90106=
01	0153	MET09606/01/20 01:53:02 METAR KTYS 010653Z 03007KT 10SM CLR 15/07 A3020 RMK AO2 SLP220 T01500072 (JTD)
01	0253	MET09606/01/20 02:53:02 METAR KTYS 010753Z 02007KT 10SM CLR 14/08 A3021 RMK AO2 SLP222 T01440078 (JTD)
01	0353	MET10206/01/20 03:53:02 METAR KTYS 010853Z 02008KT 10SM CLR 14/08 A3022 RMK AO2 SLP226 T01390078 53006 (JTD)
01	0400	SYN06472326 32966 00208 10139 20078 39873 40226 53006 90853 555 90109=
01	0453	MET09906/01/20 04:53:02 METAR KTYS 010953Z 04005KT 10SM FEW049 13/08 A3024 RMK AO2 SLP233 T01280078 (JTD)
01	0553	MET09906/01/20 05:53:02 METAR KTYS 011053Z 05006KT 10SM BKN050 13/08 A3025 RMK AO2 SLP237 T01280083 (JTD)
01	0653	MET12406/01/20 06:53:02 METAR KTYS 011153Z 05009KT 10SM SCT050 SCT250 15/08 A3026 RMK AO2 SLP240 T01500078 10156 20122 51014 (JTD)
01	0700	SYN08072326 32766 40509 10150 20078 39886 40240 51014 91153 333 10256 20122 555 90112=
01	0753	MET09806/01/20 07:53:02 METAR KTYS 011253Z 03011KT 10SM FEW050 17/09 A3027 RMK AO2 SLP244 T01720089 (MB)
01	0853	MET09806/01/20 08:53:02 METAR KTYS 011353Z 04009KT 10SM FEW050 19/10 A3028 RMK AO2 SLP245 T01940100 (MB)
01	0953	MET10406/01/20 09:53:02 METAR KTYS 011453Z 03008KT 10SM FEW055 21/10 A3027 RMK AO2 SLP243 T02110100 50003 (MB)
01	1000	SYN06472326 32766 20308 10211 20100 39889 40243 50003 91453 555 90115=
01	1053	MET10506/01/20 10:53:02 METAR KTYS 011553Z 34004KT 10SM FEW055 FEW250 23/09 A3027 RMK AO2 SLP242 T02280089 (MB)
01	1153	MET10506/01/20 11:53:02 METAR KTYS 011653Z 08005KT 10SM FEW055 FEW250 24/07 A3026 RMK AO2 SLP237 T02440072 (MB)
01	1253	MET12306/01/20 12:53:02 METAR KTYS 011753Z 00000KT 10SM FEW060 FEW250 26/07 A3024 RMK AO2 SLP233 T02560072 10256 20150 58010 (MB)
01	1300	SYN08072326 32766 20000 10256 20072 39879 40233 58010 91753 333 10256 20150 555 90118=
01	1353	MET10506/01/20 13:53:02 METAR KTYS 011853Z VRB06KT 10SM FEW060 SCT250 27/09 A3022 RMK AO2 SLP225 T02670094 (MB)
01	1453	MET10506/01/20 14:53:02 METAR KTYS 011953Z 00000KT 10SM FEW060 SCT250 27/08 A3021 RMK AO2 SLP220 T02670083 (MB)
01	1553	MET11206/01/20 15:53:02 METAR KTYS 012053Z VRB05KT 10SM FEW060 BKN250 27/09 A3018 RMK AO2 SLP212 T02720094 58019 (ALG)
01	1600	SYN06472326 32766 6/05 10272 20094 39860 40212 58019 92053 555 90121=
01	1653	MET10606/01/20 16:53:02 METAR KTYS 012153Z VRB03KT 10SM FEW060 BKN250 28/08 A3017 RMK AO2 SLP206 T02780083 (ALG)
01	1753	MET10606/01/20 17:53:02 METAR KTYS 012253Z 00000KT 10SM FEW060 SCT250 27/08 A3016 RMK AO2 SLP204 T02670083 (ALG)
01	1853	MET12406/01/20 18:53:02 METAR KTYS 012353Z 29003KT 10SM FEW060 SCT250 27/09 A3016 RMK AO2 SLP204 T02670089 10283 20256 56008 (ALG)
01	1900	SYN08072326 32766 42903 10267 20089 39853 40204 56008 92353 333 10283 20122 555 90200=
01	1953	MET10006/01/20 19:53:01 METAR KTYS 020053Z 00000KT 10SM FEW060 BKN250 25/10 A3017 RMK AO2 SLP207 T02500100
01	2053	MET09306/01/20 20:53:01 METAR KTYS 020153Z 06004KT 10SM SCT250 21/12 A3019 RMK AO2 SLP214 T02060122
01	2151	MET08606/01/20 21:51:02 SPECI KTYS 020251Z 00000KT 10SM FEW002 21/13 A3019 RMK AO2 FU FEW002
01	2153	MET10906/01/20 21:53:02 METAR KTYS 020253Z 00000KT 10SM FEW002 21/13 A3019 RMK AO2 SLP213 FU FEW002 T02060128 51009
01	2200	SYN06472326 32166 20000 10210 20130 39863 40213 51009 90253 555 90203=
01	2253	MET09006/01/20 22:53:02 METAR KTYS 020353Z 00000KT 10SM CLR 19/13 A3018 RMK AO2 SLP211 T01890128
01	2353	MET10006/01/20 23:53:02 METAR KTYS 020453Z 00000KT 10SM CLR 19/13 A3019 RMK AO2 SLP212 T01890128 402830122

Local Climatological Data
Hourly Precipitation
June 2020

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

Generated on 03/09/2021

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																										02	
03																										03	
04																										04	
05			T		T	T	0.01				T	T	0.50	T	T											05	
06																										06	
07																										07	
08																										08	
09													T		T	T				0.04	0.01	T	0.02			09	
10				T	T							T														10	
11																										11	
12																										12	
13																										13	
14														0.01	T	T										14	
15															0.29	0.06										15	
16																										16	
17																T				T	T					17	
18																										18	
19																T										19	
20																										20	
21																T										21	
22																0.12	T							T	0.04	T	22
23	T						0.01			0.03	T	0.01				T				T	T					23	
24																										24	
25																										25	
26																										26	
27				T	T		0.04s	T					T													27	
28	T		T	0.19	T			T	T				T	0.12							0.03					28	
29	T	T	T																		1.29s	0.48	0.43	0.02		29	
30														T	T	T	T	T								30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.39	0.65	0.83	0.94	1.15	1.19	1.52	1.61	1.75	1.82	2.20	2.23
Ending Date Time (yyyy-mm-dd hh:mi)	2020-06-29 18:27	2020-06-29 18:32	2020-06-29 18:34	2020-06-29 18:34	2020-06-29 18:37	2020-06-29 19:03	2020-06-29 19:07	2020-06-29 19:28	2020-06-29 19:47	2020-06-29 20:07	2020-06-29 20:33	2020-06-29 21:04

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