

# Local Climatological Data Daily Summary May 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	72	46	59	-4.1	53	40	50	6	0	0543	1923		0.00	0.0	0	28.95	30.01	6.5	21	240	14	290		
02	79	45	62	-1.4	56	46	54	3	0	0542	1924		0.00	0.0	0	29.06	30.09	7.4	21	220	18	210		
03	82	57	70	6.3	54	53	61	0	5	0541	1925	RA	T	0.0	0	28.95	29.94	14.0	43	240	35	240		
04	79	62	71	7.1	61	56	62	0	6	0540	1926	TS RA	0.07	0.0	0	28.91	29.92	6.0	26	170	21	170		
05	79	58	69	4.8	75	59	62	0	4	0539	1927	TS RA	0.04	0.0	0	28.76	29.79	12.0	37	220	30	210		
06	62	41	52	-12.5	71	41	46	13	0	0538	1928	TS RA	0.03	0.0	0	28.92	29.96	6.7	29	320	22	330		
07	65	37	51	-13.7	60	37	45	14	0	0537	1928		0.00	0.0	0	29.04	30.08	5.5	19	260	14	260		
08	56	40	48	-17.0	79	44	47	17	0	0536	1929	RA BR	0.25	0.0	0	28.90	29.95	8.4	31	220	23	210		
09	59	36	48	-17.3	50	29	40	17	0	0535	1930	RA	0.02	0.0	0	29.12	30.20	4.8	24	350	17	360		
10	69	34*	52	-13.5	53	35	45	13	0	0534	1931	RA BR FG	T	0.0	0	29.12	30.14	7.8	25	220	21	240		
11	62	41	52	-13.8	45	31	43	13	0	0533	1932		T	0.0	0	29.12	30.18	8.1	27	330	22	330		
12	63	39	51	-15.1	59	38	46	14	0	0532	1933	RA	T	0.0	0	29.20	30.24	3.1	13	250	10	300		
13	64	51	58	-8.3	79	50	53	7	0	0532	1933	RA	0.02	0.0	0	29.20	30.24	5.8	12	040	10	040		
14	82	50	66	-0.6	67	54	59	0	1	0531	1934	BR	0.00	0.0	0	29.15	30.17	6.4	24	210	20	230		
15	83	63	73	6.1	57	55	62	0	8	0530	1935		0.00	0.0	0	29.03	30.04	8.6	23	280	20	260		
16	86	59	73	5.9	59	57	63	0	8	0529	1936		0.00	0.0	0	28.97	29.99	3.1	16	040	13	030		
17	88	59	74	6.6	54	57	64	0	9	0529	1937		0.00	0.0	0	28.90	29.91	6.2	20	210	16	220		
18	77	66	72	4.3	81	63	66	0	7	0528	1937	TS RA BR FG	1.49	0.0	0	28.77	29.77	4.5	23	280	18	280		
19	67	60	64	-3.9	90	59	60	1	0	0527	1938	RA BR	0.47	0.0	0	28.72	29.76	6.3	15	240	13	230		
20	71	56	64	-4.2	80	54	57	1	0	0526	1939	RA	0.17	0.0	0	28.87	29.91	9.3	20	040	17	050		
21	75	54	65	-3.5	75	54	58	0	0	0526	1940		T	0.0	0	28.96	30.00	3.9	14	030	12	030		
22	72	59	66	-2.7	84	60	62	0	1	0525	1940	RA BR	0.44	0.0	0	28.99	30.03	5.7	25	220	21	230		
23	84	60	72	3.0	76	63	66	0	7	0525	1941	BR FG	0.00	0.0	0	28.99	30.01	5.6	21	220	16	220		
24	88*	65	77	7.7	68	64	69	0	12	0524	1942		0.00	0.0	0	29.00	30.02	3.7	13	060	9	150		
25	85	64	75	5.4	75	64	67	0	10	0524	1943	TS RA	0.02	0.0	0	29.01	30.03	4.1	23	140	18	190		
26	79	65	72	2.2	80	65	68	0	7	0523	1943	TS RA BR	0.12	0.0	0	29.00	30.02	3.0	16	160	13	140		
27	79	67	73	2.9	76	64	67	0	8	0523	1944	RA	0.01	0.0	0	28.95	29.96	4.5	14	060	12	090		
28	80	65	73	2.6	82	64	66	0	8	0522	1945	TS RA BR FG	0.07	0.0	0	28.95	29.99	2.4	23	220	18	220		
29	84	65	75	4.3	68	62	67	0	10	0522	1945	RA	T	0.0	0	28.97	29.99	6.1	26	240	18	240		
30	83	63	73	2.1	58	56	63	0	8	0521	1946		0.00	0.0	0	29.00	30.02	3.8	19	030	13	010		
31	78	60	69	-2.2	51	50	58	0	4	0521	1947		0.00	0.0	0	29.08	30.12	9.4	25	040	18	040		
<b>Monthly Averages   Totals</b>													3.22			28.98	30.01	6.3						
<b>Departure from Normal (1981-2010)</b>													-1.29											

Degree Days				Number of days with...												
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather					
Total	Departure	Total	Departure	Max		Min										
Heating	Cooling			>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog				
123	117	65	-8	3093	153	0	0	0	0	14	6	0				
<b>Date of 5-sec to 3-sec wind equipment change</b>				<b>Sea Level Pressure</b>				<b>Greatest...</b>								
2007-04-17				<b>Maximum</b>		30.30		<b>Date</b>	12	<b>Time</b>		0753		<b>24-Hr...</b>	<b>Snow Depth</b>	
				<b>Minimum</b>		29.67			19			0230		<b>Precip</b>	<b>Snowfall</b>	
												1.88		0.0		0.0
								<b>Date</b>								
								18-19								
<b>Station Augmentation</b>																
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 May 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)	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 65	10.00		51	10.6	48	8.9	44	6.7	77	9	250		28.86	8	+0.01	29.90	FM-15	0.00	29.91
01	0100	4	57	9.94		51	10.6	48	8.9	44	6.7	77	9	250		28.85	8	+0.01	29.90	FM-12		29.91
01	0153	7	SCT:04 65 OVC:08 90	10.00		51	10.6	47	8.3	42	5.6	71	7	260		28.87			29.91	FM-15	0.00	29.92
01	0253	7	OVC:08 90	10.00		51	10.6	47	8.3	42	5.6	71	7	260		28.88			29.92	FM-15	0.00	29.93
01	0353	7	OVC:08 80	10.00		49	9.4	45	7.2	41	5.0	74	7	210		28.89	3	-0.02	29.93	FM-15	0.00	29.94
01	0400	4	74	9.94		49	9.4	45	7.2	41	5.0	74	7	210		28.88	3	-0.02	29.93	FM-12		29.94
01	0453	7	FEW:02 80	10.00		47	8.3	44	6.7	40	4.4	77	7	210		28.90			29.94	FM-15	0.00	29.95
01	0553	7	FEW:02 35 FEW:02 80	10.00		46	7.8	43	6.1	40	4.4	79	6	240		28.92			29.96	FM-15	0.00	29.97
01	0653	7	FEW:02 35 FEW:02 80	10.00		49	9.4	46	7.8	42	5.6	77	6	230		28.95	3	-0.06	29.99	FM-15	0.00	30.00
01	0700	4	41	9.94		49	9.4	46	7.8	42	5.6	77	6	230		28.94	3	-0.06	29.99	FM-12		30.00
01	0753	7	FEW:02 35 FEW:02 80	10.00		54	12.2	47	8.3	40	4.4	59	7	250		28.97			30.01	FM-15	0.00	30.02
01	0853	7	FEW:02 40 FEW:02 80	10.00		57	13.9	49	9.4	41	5.0	55	11	240		28.99			30.03	FM-15	0.00	30.04
01	0953	7	SCT:04 35	10.00		59	15.0	50	10.0	40	4.4	49	7	320	21	29.01	1	-0.06	30.05	FM-15	0.00	30.06
01	1000	4	41	9.94		59	15.0	50	10.0	40	4.4	49	7	320		29.00	1	-0.06	30.05	FM-12		30.06
01	1053	7	SCT:04 50	10.00		61	16.1	50	10.0	40	4.4	46	8	310		29.02			30.06	FM-15	0.00	30.07
01	1153	7	FEW:02 48	10.00		62	16.7	51	10.6	40	4.4	44	6	VRB		29.01			30.05	FM-15	0.00	30.06
01	1253	7	FEW:02 50	10.00		65	18.3	52	11.1	40	4.4	40	8	280		29.00	8	+0.01	30.03	FM-15	0.00	30.05
01	1300	4	57	9.94		65	18.3	52	11.1	40	4.4	40	8	280		28.99	8	+0.01	30.03	FM-12		30.05
01	1353	7	FEW:02 50	10.00		67	19.4	54	12.2	42	5.6	41	8	240		28.99			30.02	FM-15	0.00	30.04
01	1453	7	CLR:00	10.00		69	20.6	54	12.2	40	4.4	35	9	270		28.97			30.01	FM-15	0.00	30.02
01	1553	7	CLR:00	10.00		71	21.7	54	12.2	38	3.3	30	7	270		28.97	6	+0.03	30.00	FM-15	0.00	30.02
01	1600	4		9.94		71	21.7	54	12.2	38	3.3	30	7	270		28.96	6	+0.03	30.00	FM-12		30.02
01	1653	7	CLR:00	10.00		72	22.2	54	12.2	38	3.3	29	9	240		28.97			30.00	FM-15	0.00	30.02
01	1753	7	CLR:00	10.00		71	21.7	53	11.7	36	2.2	28	8	260		28.97			30.01	FM-15	0.00	30.02
01	1853	7	CLR:00	10.00		69	20.6	53	11.7	37	2.8	31	7	250		28.98	3	-0.01	30.01	FM-15	0.00	30.03
01	1900	4		9.94		69	20.6	53	11.7	37	2.8	31	7	250		28.97	3	-0.01	30.01	FM-12		30.03
01	1953	7	FEW:02 250	10.00		66	18.9	52	11.1	37	2.8	34	5	270		29.00			30.03	FM-15	0.00	30.05
01	2053	7	CLR:00	10.00		63	17.2	50	10.0	37	2.8	38	0	000		29.02			30.06	FM-15	0.00	30.07
01	2153	7	CLR:00	10.00		56	13.3	49	9.4	42	5.6	60	5	050		29.04	3	-0.06	30.08	FM-15	0.00	30.09
01	2200	4		9.94		56	13.3	49	9.4	42	5.6	60	5	050		29.03	3	-0.06	30.08	FM-12		30.09
01	2253	7	CLR:00	10.00		55	12.8	49	9.4	43	6.1	64	3	040		29.05			30.09	FM-15	0.00	30.10
01	2353	7	CLR:00	10.00		52	11.1	48	8.9	43	6.1	72	0	000		29.06			30.10	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**  
**May 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	MET12305/01/20 00:53:02 METAR KTYS 010553Z 25008KT 10SM OVC065 11/07 A2991 RMK AO2 SLP125 60000 T01060067 10133 20100 58003 (JTD)
01	0100	SYN08672326 12766 82508 10106 20067 39771 40125 58003 69901 90553 333 10150 20100 555 90106=
01	0153	MET10605/01/20 01:53:02 METAR KTYS 010653Z 26006KT 10SM SCT065 OVC090 11/06 A2992 RMK AO2 SLP127 T01060056 (JTD)
01	0253	MET09905/01/20 02:53:02 METAR KTYS 010753Z 26006KT 10SM OVC090 11/06 A2993 RMK AO2 SLP131 T01060056 (JTD)
01	0353	MET10505/01/20 03:53:02 METAR KTYS 010853Z 21006KT 10SM OVC080 09/05 A2994 RMK AO2 SLP135 T00940050 53008 (JTD)
01	0400	SYN06472326 32866 82106 10094 20050 39781 40135 53008 90853 555 90109=
01	0453	MET09905/01/20 04:53:02 METAR KTYS 010953Z 21006KT 10SM FEW080 08/04 A2995 RMK AO2 SLP139 T00830044 (JTD)
01	0553	MET10605/01/20 05:53:02 METAR KTYS 011053Z 24005KT 10SM FEW035 FEW080 08/04 A2997 RMK AO2 SLP146 T00780044 (JTD)
01	0653	MET13005/01/20 06:53:02 METAR KTYS 011153Z 23005KT 10SM FEW035 FEW080 09/06 A3000 RMK AO2 SLP156 70002 T00940056 10106 20078 53021 (JTD)
01	0700	SYN08672326 32666 22305 10094 20056 39800 40156 53021 91153 333 10150 20078 70005 555 90112=
01	0753	MET10505/01/20 07:53:02 METAR KTYS 011253Z 25006KT 10SM FEW035 FEW080 12/04 A3002 RMK AO2 SLP164 T01220044 (BB)
01	0853	MET10505/01/20 08:53:02 METAR KTYS 011353Z 24010KT 10SM FEW040 FEW080 14/05 A3004 RMK AO2 SLP170 T01390050 (BB)
01	0953	MET10705/01/20 09:53:02 METAR KTYS 011453Z 32006G18KT 10SM SCT035 15/04 A3006 RMK AO2 SLP175 T01500044 51020 (BB)
01	1000	SYN07472326 32666 43206 10150 20044 39820 40175 51020 91453 333 91018 555 90115=
01	1053	MET09805/01/20 10:53:02 METAR KTYS 011553Z 31007KT 10SM SCT050 16/04 A3007 RMK AO2 SLP179 T01610044 (BB)
01	1153	MET09805/01/20 11:53:02 METAR KTYS 011653Z VRB05KT 10SM FEW048 17/04 A3006 RMK AO2 SLP175 T01670044 (BB)
01	1253	MET11605/01/20 12:53:02 METAR KTYS 011753Z 28007KT 10SM FEW050 18/04 A3005 RMK AO2 SLP171 T01830044 10183 20094 58004 (BB)
01	1300	SYN08072326 32766 22807 10183 20044 39817 40171 58004 91753 333 10183 20094 555 90118=
01	1353	MET09805/01/20 13:53:02 METAR KTYS 011853Z 24007KT 10SM FEW050 19/06 A3004 RMK AO2 SLP167 T01940056 (BB)
01	1453	MET09505/01/20 14:53:02 METAR KTYS 011953Z 27008KT 10SM CLR 21/04 A3002 RMK AO2 SLP162 T02060044 (BB)
01	1553	MET10105/01/20 15:53:02 METAR KTYS 012053Z 27006KT 10SM CLR 22/03 A3002 RMK AO2 SLP159 T02170033 56010 (BB)
01	1600	SYN06472326 32966 02706 10217 20033 39807 40159 56010 92053 555 90121=
01	1653	MET09005/01/20 16:53:02 METAR KTYS 012153Z 24008KT 10SM CLR 22/03 A3002 RMK AO2 SLP159 T02220033
01	1753	MET09505/01/20 17:53:02 METAR KTYS 012253Z 26007KT 10SM CLR 22/02 A3002 RMK AO2 SLP161 T02170022 (KD)
01	1853	MET11305/01/20 18:53:02 METAR KTYS 012353Z 25006KT 10SM CLR 21/03 A3003 RMK AO2 SLP164 T02060028 10222 20178 53005 (KD)
01	1900	SYN08072326 32966 02506 10206 20028 39810 40164 53005 92353 333 10222 20078 555 90200=
01	1953	MET09305/01/20 19:53:01 METAR KTYS 020053Z 27004KT 10SM FEW250 19/03 A3005 RMK AO2 SLP169 T01890028
01	2053	MET09005/01/20 20:53:01 METAR KTYS 020153Z 00000KT 10SM CLR 17/03 A3007 RMK AO2 SLP178 T01720028
01	2153	MET09605/01/20 21:53:01 METAR KTYS 020253Z 05004KT 10SM CLR 13/06 A3009 RMK AO2 SLP185 T01330056 53019
01	2200	SYN06472326 32966 00504 10133 20056 39830 40185 53019 90253 555 90203=
01	2253	MET09005/01/20 22:53:02 METAR KTYS 020353Z 04003KT 10SM CLR 13/06 A3010 RMK AO2 SLP190 T01280061
01	2353	MET10005/01/20 23:53:02 METAR KTYS 020453Z 00000KT 10SM CLR 11/06 A3011 RMK AO2 SLP193 T01110061 402220078

**Local Climatological Data**  
**Hourly Precipitation**  
**May 2020**

Generated on 03/09/2021

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					T			T																0.01	0.06	04				
05	0.02	0.01	0.01										T	T												05				
06												0.02	T	0.01	T		T									06				
07																										07				
08								T	T	T	T	0.02	0.03	0.03	0.03	T	0.04	0.08	0.01	0.01	T					08				
09		0.02	T																							09				
10																									T	T	10			
11	T																										11			
12																									T	T	12			
13	0.01	0.01	T		T	T	T	T					T					T	T								13			
14																											14			
15																											15			
16																											16			
17																											17			
18	T	T											T	0.03	0.08	0.03	0.04	0.07	0.61	0.60	0.02				0.01	T	18			
19	0.01	T	0.01	0.01	0.04	0.09	0.11	0.08	0.01	0.03				T		T	T		T						0.02	0.06	19			
20	0.10	T	0.02	0.05		T	T							T	T	T		T	T								20			
21																										T	T	21		
22								0.01	T	T	T	0.17	0.11	0.01	T		T	T							0.01	0.10	0.03	T	22	
23																												23		
24																												24		
25																	T	0.02										25		
26					0.03	T									T	0.09	T											26		
27																			T							T	T	0.01	T	27
28														T	T	0.02	T										T	0.05		28
29						T	T																						29	
30																													30	
31																													31	

**Maximum Short Duration Precipitation**

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.22	0.40	0.49	0.60	0.82	1.03	1.16	1.19	1.21	1.24	1.28	1.32
Ending Date Time (yyyy-mm-dd hh:mi)	2020-05-18 17:10	2020-05-18 17:12	2020-05-18 17:18	2020-05-18 17:10	2020-05-18 17:20	2020-05-18 17:18	2020-05-18 17:23	2020-05-18 17:35	2020-05-18 17:46	2020-05-18 17:35	2020-05-18 17:35	2020-05-18 17:25

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