

**Local Climatological Data**  
**Daily Summary**  
**April 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	47	35	41	-13.4	54	23	34	24	0	0623	1858		0.00	0.0	0	29.22	30.30	8.0	23	010	15	010			
02	49	28	39	-15.7	44	17	31	26	0	0621	1858		0.00	0.0	0	29.37	30.45	6.6	24	040	20	030			
03	62	27*	45	-10.0	48	24	37	20	0	0620	1859		0.00	0.0	0	29.34	30.40	2.8	19	290	12	270			
04	71	36	54	-1.3	46	32	44	11	0	0619	1900		0.00	0.0	0	29.21	30.25	2.1	15	320	10	310			
05	76	41	59	3.5	45	37	48	6	0	0617	1901		0.00	0.0	0	29.08	30.11	2.4	22	250	15	260			
06	78	48	63	7.2	49	43	53	2	0	0616	1902	HZ	0.00	0.0	0	29.02	30.04	3.4	20	260	15	250			
07	80	50	65	8.9	57	50	57	0	0	0614	1903		0.00	0.0	0	28.95	29.97	3.4	18	250	14	230			
08	76	61	69	12.6	67	55	60	0	4	0613	1903	RA BR	0.18	0.0	0	28.79	29.80	8.1	37	210	26	200			
09	83*	56	70	13.3	56	51	59	0	5	0612	1904		0.00	0.0	0	28.84	29.87	5.1	23	220	18	230			
10	72	57	65	8.0	76	57	60	0	0	0610	1905	RA BR	0.02	0.0	0	28.69	29.68	8.6	34	170	24	170			
11	72	54	63	5.8	52	43	53	2	0	0609	1906		0.00	0.0	0	28.58	29.61	14.6	36	220	28	220			
12	79	51	65	7.5	40	39	52	0	0	0607	1907		0.00	0.0	0	28.77	29.82	8.8	27	260	21	280			
13	72	47	60	2.2	58	46	54	5	0	0606	1908		T	0.0	0	29.02	30.04	5.3	15	030	13	040			
14	76	50	63	4.9	75	52	55	2	0	0605	1908	RA BR	0.12	0.0	0	28.97	29.99	4.9	24	300	16	300			
15	65	47	56	-2.4	54	39	48	9	0	0603	1909		0.00	0.0	0	28.89	29.93	6.3	25	270	20	260			
16	64	38	51	-7.7	55	35	45	14	0	0602	1910		0.00	0.0	0	28.88	29.91	3.3	15	020	12	020			
17	66	46	56	-3.0	58	40	48	9	0	0601	1911		T	0.0	0	28.82	29.86	4.3	16	340	13	270			
18	68	43	56	-3.2	58	40	48	9	0	0600	1912	RA	T	0.0	0	28.87	29.90	2.1	14	330	10	270			
19	68	50	59	-0.5	60	43	50	6	0	0558	1913	RA	0.02	0.0	0	28.88	29.93	4.9	20	230	13	230			
20	73	43	58	-1.8	55	41	50	7	0	0557	1913		0.00	0.0	0	28.90	29.93	6.9	29	250	22	250			
21	58	34	46	-14.1	61	32	40	19	0	0556	1914	RA BR	0.06	0.0	0	29.01	30.06	8.2	26	260	21	260			
22	60	30	45	-15.4	53	27	38	20	0	0554	1915		0.00	0.0	0	29.11	30.17	4.9	29	280	16	270			
23	54	36	45	-15.7				20	0	0553	1916	RA	T	0.0	0			3.3			7	030			
24	59	46	53	-7.9	91	49	50	12	0	0552	1917	RA BR	0.64	0.0	0	28.81	29.81	5.6	25	040	16	040			
25	66	48	57	-4.2	70	47	51	8	0	0551	1918	BR	T	0.0	0	28.90	29.97	5.5	20	330	15	330			
26	77	42	60	-1.5	65	48	54	5	0	0550	1918		0.00	0.0	0	29.03	30.07	4.0	17	270	13	240			
27	82	54	68	6.2	59	55	61	0	3	0548	1919		0.00	0.0	0	29.02	30.05	10.1	29	230	23	230			
28	82	63	73	11.0	65	59	64	0	8	0547	1920	RA	T	0.0	0	29.00	30.01	8.1	28	220	22	220			
29	78	64	71	8.7	71	60	64	0	6	0546	1921	RA BR	0.19	0.0	0	28.88	29.90	13.2	44	240	33	230			
30	77	53	65	2.4	54	47	56	0	0	0545	1922		0.00	0.0	0	28.99	30.03	4.9	22	290	16	320			
	69.7	45.9	57.8										1.23			28.97	30.00	6.0							
	-0.6	-1.4	-1.0										-2.78												
	<b>Monthly Averages   Totals</b>																								
	<b>Departure from Normal (1981-2010)</b>																								
	<b>Degree Days</b>											<b>Number of days with...</b>													
	<b>Monthly</b>				<b>Season-to-date</b>				<b>Temperature</b>				<b>Precipitation</b>		<b>Snow</b>	<b>Weather</b>									
	<b>Total</b>	<b>Departure</b>	<b>Total</b>	<b>Departure</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>Max</b>	<b>Min</b>	<b>&gt;=0.01"</b>	<b>&gt;=0.1"</b>	<b>&gt;=1"</b>	<b>T-Storms</b>	<b>Heavy Fog</b>								
	Heating	240	22	3313	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog												
	Cooling	24	-8	25	0	0	3	0	7	4	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>		30.53	<b>Date</b>	02	<b>Time</b>	1104	<b>24-Hr...</b>		<b>Snow Depth</b>											
					<b>Minimum</b>		29.54	11	1722	<b>Precip</b>	0.64	<b>Snowfall</b>	0.0	0.0											
									<b>Date</b>																
									24-24																
	<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 April 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	CLR:00	10.00		40	4.4	40	4.4	39	3.9	97	0	000		29.18	6	+0.01	30.23	FM-15	0.00	30.23
01	0100	4		9.94		40	4.4	40	4.4	39	3.9	97	0	000		29.16	6	+0.01	30.23	FM-12		30.23
01	0153	7	BKN:07 70	10.00		40	4.4	40	4.4	40	4.4	100	5	300		29.16			30.22	FM-15	0.00	30.22
01	0253	7	CLR:00	10.00		38	3.3	38	3.3	38	3.3	100	0	000		29.15			30.21	FM-15	0.00	30.21
01	0353	7	CLR:00	10.00		38	3.3	35	1.7	31	-0.6	76	6	340		29.16	5	+0.01	30.22	FM-15	0.00	30.22
01	0400	4		9.94		38	3.3	35	1.7	31	-0.6	76	6	340		29.15	5	+0.01	30.22	FM-12		30.22
01	0453	7	CLR:00	10.00		38	3.3	34	1.1	27	-2.8	65	9	340		29.18			30.24	FM-15	0.00	30.23
01	0553	7	CLR:00	10.00		36	2.2	32	0.0	26	-3.3	67	3	310		29.19			30.26	FM-15	0.00	30.25
01	0653	7	FEW:02 50	10.00		36	2.2	31	-0.6	23	-5.0	59	6	320		29.21	1	-0.04	30.27	FM-15	0.00	30.26
01	0700	4	57	9.94		36	2.2	31	-0.6	23	-5.0	59	6	320		29.19	1	-0.04	30.27	FM-12		30.26
01	0753	7	CLR:00	10.00		38	3.3	32	0.0	21	-6.1	51	8	310		29.21			30.28	FM-15	0.00	30.27
01	0853	7	CLR:00	10.00		39	3.9	32	0.0	18	-7.8	43	10	320		29.23			30.29	FM-15	0.00	30.29
01	0953	7	FEW:02 50	10.00		40	4.4	33	0.6	20	-6.7	45	9	340	17	29.24	3	-0.04	30.31	FM-15	0.00	30.30
01	1000	4	57	9.94		40	4.4	33	0.6	20	-6.7	45	9	340		29.23	3	-0.04	30.31	FM-12		30.30
01	1053	7	FEW:02 55	10.00		41	5.0	33	0.6	20	-6.7	43	8	300	20	29.25			30.32	FM-15	0.00	30.31
01	1153	7	SCT:04 55	10.00		43	6.1	34	1.1	20	-6.7	40	14	320	20	29.26			30.32	FM-15	0.00	30.32
01	1253	7	FEW:02 60	10.00		45	7.2	36	2.2	21	-6.1	39	8	300		29.25	0	-0.01	30.32	FM-15	0.00	30.31
01	1300	4	57	9.94		45	7.2	36	2.2	21	-6.1	39	8	300		29.24	9	+0.01	30.32	FM-12		30.31
01	1353	7	OVC:08 60	10.00		44	6.7	36	2.2	22	-5.6	41	9	VRB		29.24			30.30	FM-15	0.00	30.30
01	1453	7	BKN:07 70	10.00		46	7.8	36	2.2	21	-6.1	37	9	VRB		29.23			30.30	FM-15	0.00	30.29
01	1553	7	FEW:02 70	10.00		45	7.2	35	1.7	19	-7.2	35	11	330		29.23	6	+0.02	30.29	FM-15	0.00	30.29
01	1600	4	74	9.94		45	7.2	35	1.7	19	-7.2	35	11	330		29.22	6	+0.02	30.29	FM-12		30.29
01	1653	7	SCT:04 65	10.00		44	6.7	35	1.7	19	-7.2	37	10	340		29.23			30.30	FM-15	0.00	30.29
01	1739	7	BKN:07 65	10.00		45	7.2	36	2.2	20	-6.7	37	11	010	23	29.24				FM-16		30.30
01	1753	7	BKN:07 65	10.00		44	6.7	35	1.7	19	-7.2	37	15	010	21	29.24			30.31	FM-15	0.00	30.30
01	1853	7	CLR:00	10.00		41	5.0	33	0.6	18	-7.8	39	13	350		29.27	3	-0.04	30.34	FM-15	0.00	30.33
01	1900	4		9.94		41	5.0	33	0.6	18	-7.8	39	13	350		29.26	3	-0.04	30.34	FM-12		30.33
01	1953	7	SCT:04 65	10.00		40	4.4	32	0.0	17	-8.3	40	10	350		29.28			30.35	FM-15	0.00	30.34
01	2053	7	BKN:07 60	10.00		39	3.9	32	0.0	18	-7.8	43	8	350		29.30			30.37	FM-15	0.00	30.36
01	2153	7	OVC:08 60	10.00		38	3.3	32	0.0	20	-6.7	48	9	360		29.30	0	-0.03	30.37	FM-15	0.00	30.36
01	2200	4	57	9.94		38	3.3	32	0.0	20	-6.7	48	9	360		29.29	9	+0.03	30.37	FM-12		30.36
01	2253	7	FEW:02 60	10.00		37	2.8	31	-0.6	20	-6.7	50	10	350		29.31			30.38	FM-15	0.00	30.37
01	2353	7	CLR:00	10.00		36	2.2	30	-1.1	20	-6.7	52	9	180		29.33			30.40	FM-15	0.00	30.39

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

**Local Climatological Data**  
**Hourly Remarks**  
**April 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)	Remarks
01	0053	MET12004/01/21 00:53:02 METAR KTYS 010553Z 0000KT 10SM CLR 04/04 A3023 RMK AO2 SLP236 60007 T00440039 10078 20044 56005 (JTD)
01	0100	SYN08672326 12966 00000 10044 20039 39876 40236 56005 60021 90553 333 10167 20044 555 90106=
01	0153	MET09904/01/21 01:53:02 METAR KTYS 010653Z 3000KT 10SM BKN070 04/04 A3022 RMK AO2 SLP232 T00440044 (JTD)
01	0253	MET09604/01/21 02:53:02 METAR KTYS 010753Z 0000KT 10SM CLR 03/03 A3021 RMK AO2 SLP231 T00330033 (JTD)
01	0353	MET10304/01/21 03:53:02 METAR KTYS 010853Z 3400KT 10SM CLR 03/M01 A3022 RMK AO2 SLP234 T00331006 55004 (JTD)
01	0400	SYN06472326 32966 03405 10033 21006 39873 40234 55004 90853 555 90109=
01	0453	MET09704/01/21 04:53:02 METAR KTYS 010953Z 3400KT 10SM CLR 03/M03 A3023 RMK AO2 SLP239 T00331028 (JTD)
01	0553	MET09704/01/21 05:53:02 METAR KTYS 011053Z 3100KT 10SM CLR 02/M03 A3025 RMK AO2 SLP246 T00221033 (JTD)
01	0653	MET12404/01/21 06:53:02 METAR KTYS 011153Z 3200KT 10SM FEW050 02/M05 A3026 RMK AO2 SLP250 70043 T00221050 10044 20022 51013 (JTD)
01	0700	SYN08672326 32766 23205 10022 21050 39886 40250 51013 91153 333 10194 20022 70109 555 90112=
01	0753	MET09604/01/21 07:53:02 METAR KTYS 011253Z 3100KT 10SM CLR 03/M06 A3027 RMK AO2 SLP254 T00331061 (KD)
01	0853	MET09604/01/21 08:53:02 METAR KTYS 011353Z 3200KT 10SM CLR 04/M08 A3029 RMK AO2 SLP258 T00391078 (KD)
01	0953	MET10804/01/21 09:53:02 METAR KTYS 011453Z 3400KT 10SM FEW050 04/M07 A3030 RMK AO2 SLP264 T00441067 53014 (KD)
01	1000	SYN07472326 32766 23408 10044 21067 39899 40264 53014 91453 333 91015 555 90115=
01	1053	MET10204/01/21 10:53:02 METAR KTYS 011553Z 3000KT 10SM FEW055 05/M07 A3031 RMK AO2 SLP267 T00501067 (KD)
01	1153	MET10204/01/21 11:53:02 METAR KTYS 011653Z 3201KT 10SM SCT055 06/M07 A3032 RMK AO2 SLP269 T00611067 (KD)
01	1253	MET11704/01/21 12:53:02 METAR KTYS 011753Z 3000KT 10SM FEW060 07/M06 A3031 RMK AO2 SLP266 T00721061 10072 20022 50002 (KD)
01	1300	SYN08072326 32766 23007 10072 21061 39902 40266 50002 91753 333 10072 20022 555 90118=
01	1353	MET09904/01/21 13:53:02 METAR KTYS 011853Z 3600KT 10SM OVC060 07/M06 A3030 RMK AO2 SLP262 T00671056 (KD)
01	1453	MET09904/01/21 14:53:02 METAR KTYS 011953Z 3200KT 10SM BKN070 08/M06 A3029 RMK AO2 SLP260 T00781061 (KD)
01	1553	MET10504/01/21 15:53:02 METAR KTYS 012053Z 3301KT 10SM FEW070 07/M07 A3029 RMK AO2 SLP259 T00721072 56007 (GW)
01	1600	SYN06472326 32866 23310 10072 21072 39896 40259 56007 92053 555 90121=
01	1653	MET09904/01/21 16:53:02 METAR KTYS 012153Z 3400KT 10SM SCT065 07/M07 A3029 RMK AO2 SLP260 T00671072 (GW)
01	1739	MET10604/01/21 17:39:02 SPECI KTYS 012239Z 01010G20KT 10SM BKN065 07/M07 A3030 RMK AO2 WSHFT 2219 T00721067 (GW)
01	1753	MET11304/01/21 17:53:02 METAR KTYS 012253Z 01013G18KT 10SM BKN065 07/M07 A3030 RMK AO2 WSHFT 2219 SLP265 T00671072 (GW)
01	1853	MET11404/01/21 18:53:02 METAR KTYS 012353Z 3501KT 10SM CLR 05/M08 A3033 RMK AO2 SLP273 T00501078 10083 20050 53012 (GW)
01	1900	SYN08072326 32966 03511 10050 21078 39909 40273 53012 92353 333 10083 20022 555 90200=
01	1953	MET09404/01/21 19:53:01 METAR KTYS 020053Z 3500KT 10SM SCT065 04/M08 A3034 RMK AO2 SLP279 T00441083
01	2053	MET09404/01/21 20:53:01 METAR KTYS 020153Z 3500KT 10SM BKN060 04/M08 A3036 RMK AO2 SLP285 T00391078
01	2153	MET10004/01/21 21:53:01 METAR KTYS 020253Z 3600KT 10SM OVC060 03/M07 A3036 RMK AO2 SLP284 T00331067 50011
01	2200	SYN06472326 32766 83608 10033 21067 39919 40284 50011 90253 555 90203=
01	2253	MET09404/01/21 22:53:02 METAR KTYS 020353Z 3500KT 10SM FEW060 03/M07 A3037 RMK AO2 SLP288 T00281067
01	2353	MET10104/01/21 23:53:02 METAR KTYS 020453Z 1800KT 10SM CLR 02/M07 A3039 RMK AO2 SLP294 T00221067 400830017

**Local Climatological Data**  
**Hourly Precipitation**  
**April 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																										02
03																										03
04																										04
05																										05
06																										06
07																										07
08								T	T	0.02	0.06	0.09	0.01	T												08
09																										09
10				T									T	T	T	0.01	0.01							T	T	10
11																										11
12																										12
13														T	T											13
14																		0.01	T	0.05	0.06	T				14
15																										15
16																										16
17																T	T									17
18																									T	18
19	T	T			T	T	0.01	0.01																		19
20																										20
21							T	0.04	0.02																	21
22	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	22
23	M	M	M	M	M	M	M	M	M	M	T	M	M	M	T	T	T	M	M	M	M	M	M	M	M	23
24				M		T	0.02s	0.06	0.18	0.16	0.14	0.04	0.01	T							0.01	0.01	T	T	0.01	24
25	T	T																								25
26																										26
27																										27
28																T	T									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)	0.07	0.11	0.12	0.12	0.12	0.16	0.20	0.24	0.30	0.37	0.43	0.47
Ending Date Time (yyyy-mm-dd hh:mi)	2021-04-29 20:29	2021-04-29 20:33	2021-04-29 20:35	2021-04-29 20:35	2021-04-29 20:35	2021-04-24 10:23	2021-04-24 10:28	2021-04-24 10:28	2021-04-24 10:20	2021-04-24 10:23	2021-04-24 10:28	2021-04-24 10:59

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