

Local Climatological Data Daily Summary November 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	66	43	55	0.3	59	38	48	10	0	0659	1740		T	0.0	0	29.11	30.17	11.3	35	270	23	270		
02	51	32	42	-12.4	51	23	34	23	0	0700	1739		0.00	0.0	0	29.31	30.38	5.0	26	340	17	350		
03	61	31	46	-8.0	58	30	39	19	0	0701	1738		0.00	0.0	0	29.26	30.33	1.9	11	200	8	270		
04	69	35	52	-1.7	67	39	45	13	0	0702	1737		0.00	0.0	0	29.31	30.37	1.6	8	340	6	290		
05	67	37	52	-1.4	72	42	47	13	0	0703	1736		0.00	0.0	0	29.31	30.36	1.5	10	290	7	290		
06	72	41	57	4.0	70	44	50	8	0	0704	1735		0.00	0.0	0	29.23	30.29	2.9	18	020	9	030		
07	75	42	59	6.3	72	49	53	6	0	0705	1734		0.00	0.0	0	29.20	30.25	3.1	13	020	9	030		
08	79	48	64	11.6	75	54	58	1	0	0706	1733	BR	0.00	0.0	0	29.21	30.25	3.7	14	020	12	040		
09	81	50	66	14.0	74	55	59	0	1	0707	1732		0.00	0.0	0	29.15	30.18	2.5	11	020	8	040		
10	82*	51	67	15.3	73	58	61	0	2	0708	1732	RA BR	0.07	0.0	0	29.00	30.02	5.1	25	170	20	150		
11	77	61	69	17.7	95	65	66	0	4	0709	1731	RA BR	0.30	0.0	0	28.89	29.91	4.3	23	280	16	290		
12	64	56	60	9.0	91	57	58	5	0	0710	1730	RA BR	T	0.0	0	28.91	29.95	4.8	17	020	13	050		
13	66	45	56	5.4	65	44	50	9	0	0711	1730	FG BR	0.00	0.0	0	29.03	30.09	3.5	16	230	13	240		
14	69	40	55	4.7	66	41	47	10	0	0712	1729		0.00	0.0	0	29.08	30.11	1.0	14	210	10	200		
15	68	44	56	6.1	65	41	48	9	0	0713	1728	RA BR	0.05	0.0	0	28.95	30.00	11.2	47	230	32	210		
16	58	34	46	-3.5	53	28	39	19	0	0714	1728		0.00	0.0	0	29.18	30.25	3.3	17	260	10	220		
17	56	37	47	-2.2	44	24	38	18	0	0715	1727		0.00	0.0	0	29.27	30.35	9.7	27	340	17	330		
18	54	30	42	-6.8	50	23	34	23	0	0716	1727		0.00	0.0	0	29.47	30.55	7.5	20	050	16	050		
19	62	30*	46	-2.5	61	31	39	19	0	0717	1726		0.00	0.0	0	29.43	30.50	1.9	12	230	9	220		
20	66	33	50	1.9	69	39	44	15	0	0718	1725		0.00	0.0	0	29.39	30.46	2.6	18	220	14	230		
21	67	37	52	4.3	77	44	48	13	0	0719	1725	BR	0.00	0.0	0	29.32	30.36	1.5	11	020	9	020		
22	70	43	57	9.6	83	48	51	8	0	0720	1725	RA BR	0.21	0.0	0	29.11	30.15	6.5	30	220	24	270		
23	53	36	45	-2.0	68	34	40	20	0	0721	1724		0.00	0.0	0	29.22	30.28	7.4	23	360	17	360		
24	58	32	45	-1.7	72	35	40	20	0	0722	1724		0.00	0.0	0	29.18	30.24	2.4	13	240	9	220		
25	68	39	54	7.7	80	47	50	11	0	0723	1724	RA BR	0.13	0.0	0	29.02	30.05	7.3	31	180	21	200		
26	68	46	57	11.0	81	51	54	8	0	0724	1723	FG BR	0.00	0.0	0	29.00	30.04	5.9	20	210	16	230		
27	64	37	51	5.4	71	44	49	14	0	0725	1723	FG BR	0.00	0.0	0	29.05	30.10	2.1	12	200	9	230		
28	61	43	52	6.7	68	41	47	13	0	0726	1723	RA	T	0.0	0	29.05	30.10	5.3	14	350	10	360		
29	52	36	44	-1.0	85	41	43	21	0	0726	1723	RA	0.10	0.0	0	28.99	29.99	2.7	14	030	10	020		
30	49	33	41	-3.6	90	38	39	24	0	0727	1722	RA SN BR	0.57	0.7	1	28.69	29.80	11.6	28	270	21	260		
	65.1	40.1	52.6										Monthly Averages Totals			1.43	0.7		29.13	30.19	4.7			
	4.7	1.1	2.9										Departure from Normal (1981-2010)			-2.58								
	Degree Days										Number of days with...													
	Monthly				Season-to-date				Temperature				Precipitation		Snow		Weather							
	Total	Departure	Total	Departure	Max	Min	Max	Min	Max	Min	Max	Min	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog							
Heating	378	-84	525		>=90°	<=32°	<=32°	<=0°	7	5	0													
Cooling	6	3	1597		0	0	5	0																
Date of 5-sec to 3-sec wind equipment change										Sea Level Pressure				Greatest...										
2007-04-17										Maximum		30.64	Date		18	Time		1049	24-Hr...		Snow Depth			
										Minimum		29.58			30			0353	Precip	Snowfall				
																			0.65	0.7	1.0			
												29-30	30-30		30									
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 November 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	BKN:07 42 OVC:08 50	10.00		49	9.4	48	8.9	47	8.3	93	0	000		29.14	6	+0.03	30.18	FM-15	0.00	30.19
01	0100	4	41	9.94		49	9.4	48	8.9	47	8.3	93	0	000		29.13	6	+0.03	30.18	FM-12		30.19
01	0153	7	BKN:07 39 OVC:08 46	10.00		50	10.0	48	8.9	47	8.3	89	0	000		29.12			30.16	FM-15	0.00	30.17
01	0253	7	OVC:08 34	10.00		50	10.0	48	8.9	47	8.3	89	0	000		29.12			30.16	FM-15	0.00	30.17
01	0345	7	OVC:08 29	10.00		51	10.6	49	9.4	47	8.3	86	3	180		29.12				FM-16		30.17
01	0353	7	OVC:08 29	10.00		51	10.6	49	9.4	47	8.3	86	0	000		29.12	6	+0.01	30.16	FM-15	0.00	30.17
01	0400	4	26	9.94		51	10.6	49	9.4	47	8.3	86	0	000		29.10	6	+0.01	30.16	FM-12		30.17
01	0453	7	OVC:08 25	10.00		52	11.1	50	10.0	49	9.4	89	5	180		29.12			30.16	FM-15	0.00	30.17
01	0553	7	FEW:02 16 BKN:07 27 OVC:08 70	10.00		53	11.7	51	10.6	50	10.0	89	6	180		29.12			30.16	FM-15	T	30.17
01	0600	7	SCT:04 23 BKN:07 55 BKN:07 70	10.00		52	11.1	51	10.6	50	10.0	93	7	180		29.12				FM-16		30.17
01	0609	7	BKN:07 23 BKN:07 60 BKN:07 70	10.00		53	11.7	51	10.6	50	10.0	89	6	200		29.12				FM-16		30.17
01	0618	7	SCT:04 21 BKN:07 70	10.00		52	11.1	51	10.6	50	10.0	93	7	200		29.11				FM-16		30.16
01	0653	7	FEW:02 20 BKN:07 65 OVC:08 250	10.00		54	12.2	52	11.1	51	10.6	90	11	220		29.11	8	+0.01	30.15	FM-15	0.00	30.16
01	0700	4	26	9.94		54	12.2	52	11.1	51	10.6	90	11	220		29.10	8	+0.01	30.15	FM-12		30.16
01	0753	7	FEW:02 40 BKN:07 60	10.00		54	12.2	52	11.1	51	10.6	90	11	210		29.11			30.16	FM-15	0.00	30.16
01	0853	7	FEW:02 27	10.00		57	13.9	55	12.8	53	11.7	87	16	210		29.12			30.16	FM-15	0.00	30.17
01	0938	7	BKN:07 18	10.00		59	15.0	56	13.3	53	11.7	81	16	220		29.11				FM-16		30.16
01	0953	7	BKN:07 18	10.00		59	15.0	56	13.3	53	11.7	81	15	220		29.10	8	+0.01	30.14	FM-15	0.00	30.15
01	1000	4	15	9.94		59	15.0	56	13.3	53	11.7	81	15	220		29.09	8	+0.01	30.14	FM-12		30.15
01	1053	7	BKN:07 19	10.00		63	17.2	57	13.9	52	11.1	68	18	240	32	29.10			30.14	FM-15	0.00	30.15
01	1153	7	BKN:07 19 BKN:07 250	10.00		64	17.8	56	13.3	49	9.4	58	15	230	26	29.07			30.11	FM-15	0.00	30.12
01	1200	7	BKN:07 34 BKN:07 45	10.00		63	17.2	55	12.8	49	9.4	60	16	250	24	29.08				FM-16		30.13
01	1253	7	BKN:07 43 BKN:07 55	10.00		65	18.3	56	13.3	49	9.4	56	15	250		29.06	8	+0.04	30.10	FM-15	0.00	30.11
01	1300	4	41	9.94		65	18.3	56	13.3	49	9.4	56	15	250		29.05	8	+0.04	30.10	FM-12		30.11
01	1353	7	BKN:07 50	10.00		66	18.9	55	12.8	45	7.2	47	15	300	24	29.04			30.08	FM-15	0.00	30.09
01	1453	7	OVC:08 250	10.00		65	18.3	53	11.7	41	5.0	42	21	280	29	29.04			30.08	FM-15	0.00	30.09
01	1553	7	FEW:02 50	10.00		64	17.8	50	10.0	34	1.1	33	14	280	25	29.05	5	+0.01	30.09	FM-15	0.00	30.10
01	1600	4	57	9.94		64	17.8	50	10.0	34	1.1	33	14	280		29.04	5	+0.01	30.09	FM-12		30.10
01	1653	7	FEW:02 30	10.00		60	15.6	46	7.8	29	-1.7	31	20	280	31	29.09			30.13	FM-15	0.00	30.14
01	1753	7	FEW:02 30	10.00		56	13.3	41	5.0	19	-7.2	24	17	280	34	29.12			30.16	FM-15	0.00	30.17
01	1853	7	FEW:02 30	10.00		54	12.2	41	5.0	22	-5.6	29	15	280	24	29.16	3	-0.12	30.21	FM-15	0.00	30.22
01	1900	4	26	9.94		54	12.2	41	5.0	22	-5.6	29	15	280		29.15	3	-0.12	30.21	FM-12		30.22
01	1953	7	FEW:02 30	10.00		51	10.6	38	3.3	18	-7.8	27	9	300		29.19			30.24	FM-15	0.00	30.25
01	2053	7	CLR:00	10.00		49	9.4	36	2.2	14	-10.0	25	15	310	28	29.22			30.27	FM-15	0.00	30.28
01	2153	7	CLR:00	10.00		47	8.3	35	1.7	13	-10.6	25	13	320	22	29.25	3	-0.09	30.30	FM-15	0.00	30.31

01	2200	4		9.94		47	8.3	35	1.7	13	-10.6	25	13	320		29.24	3	-0.09	30.30	FM-12		30.31
01	2253	7	CLR:00	10.00		45	7.2	35	1.7	16	-8.9	31	11	320	25	29.27			30.32	FM-15	0.00	30.33
01	2353	7	CLR:00	10.00		43	6.1	34	1.1	18	-7.8	37	8	350		29.29			30.34	FM-15	0.00	30.35

Local Climatological Data
Hourly Remarks
November 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)	Remarks
01	0053	MET12411/01/20 00:53:02 METAR KTYS 010553Z 00000KT 10SM BKN042 OVC050 09/08 A3019 RMK AO2 SLP220 T00940083 10128 20083 56009 (JTD)
01	0100	SYN08072326 32666 80000 10094 20083 39863 40220 56009 90553 333 10144 20044 555 90106=
01	0153	MET10611/01/20 01:53:02 METAR KTYS 010653Z 00000KT 10SM BKN039 OVC046 10/08 A3017 RMK AO2 SLP215 T01000083 (JTD)
01	0253	MET09911/01/20 02:53:02 METAR KTYS 010753Z 00000KT 10SM OVC034 10/08 A3017 RMK AO2 SLP213 T01000083 (JTD)
01	0345	MET09211/01/20 03:45:02 SPECI KTYS 010845Z 18003KT 10SM OVC029 11/08 A3017 RMK AO2 T01060083 (JTD)
01	0353	MET10511/01/20 03:53:02 METAR KTYS 010853Z 00000KT 10SM OVC029 11/08 A3017 RMK AO2 SLP213 T01060083 56005 (JTD)
01	0400	SYN06472326 32566 80000 10106 20083 39856 40213 56005 90853 555 90109=
01	0453	MET09911/01/20 04:53:02 METAR KTYS 010953Z 18004KT 10SM OVC025 11/09 A3017 RMK AO2 SLP214 T01110094 (JTD)
01	0553	MET12811/01/20 05:53:02 METAR KTYS 011053Z 18005KT 10SM FEW016 BKN027 OVC070 12/10 A3017 RMK AO2 RAB28E38 SLP212 P0000 T01170100 (JTD)
01	0600	MET10611/01/20 06:00:02 SPECI KTYS 011100Z 18006KT 10SM SCT023 BKN055 BKN070 11/10 A3017 RMK AO2 T01110100 (JTD)
01	0609	MET10611/01/20 06:09:02 SPECI KTYS 011109Z 20005KT 10SM BKN023 BKN060 BKN070 12/10 A3017 RMK AO2 T01170100 (JTD)
01	0618	MET09911/01/20 06:18:02 SPECI KTYS 011118Z 20006KT 10SM SCT021 BKN070 11/10 A3016 RMK AO2 T01110100 (JTD)
01	0653	MET13711/01/20 06:53:02 METAR KTYS 011153Z 22010KT 10SM FEW020 BKN065 OVC250 12/11 A3016 RMK AO2 SLP211 60000 T01220106 10122 20094 58003 (JTD)
01	0700	SYN08672326 12566 82210 10122 20106 39853 40211 58003 69901 91153 333 10178 20083 555 90112=
01	0753	MET10611/01/20 07:53:02 METAR KTYS 011253Z 21010KT 10SM FEW040 BKN060 12/11 A3016 RMK AO2 SLP212 T01220106 (JTD)
01	0853	MET09911/01/20 08:53:02 METAR KTYS 011353Z 21014KT 10SM FEW027 14/12 A3017 RMK AO2 SLP214 T01390117 (JTD)
01	0938	MET09211/01/20 09:38:02 SPECI KTYS 011438Z 22014KT 10SM BKN018 15/12 A3016 RMK AO2 T01500117 (JTD)
01	0953	MET09911/01/20 09:53:02 METAR KTYS 011453Z 22013KT 10SM BKN018 15/12 A3015 RMK AO2 SLP208 T01500117 58003
01	1000	SYN06472326 32466 62213 10150 20117 39850 40208 58003 91453 555 90115=
01	1053	MET11911/01/20 10:53:02 METAR KTYS 011553Z 24016G28KT 10SM BKN019 17/11 A3015 RMK AO2 PK WND 22028/1544 SLP208 T01720111 (KD)
01	1153	MET12611/01/20 11:53:02 METAR KTYS 011653Z 23013G23KT 10SM BKN019 BKN250 18/09 A3012 RMK AO2 PK WND 24028/1604 SLP197 T01780094 (KD)
01	1200	MET10111/01/20 12:00:02 SPECI KTYS 011700Z 25014G21KT 10SM BKN034 BKN045 17/09 A3013 RMK AO2 T01720094 (KD)
01	1253	MET12311/01/20 12:53:02 METAR KTYS 011753Z 25013KT 10SM BKN043 BKN055 18/09 A3011 RMK AO2 SLP193 T01830094 10189 20122 58013 (KD)
01	1300	SYN08072326 32666 62513 10183 20094 39837 40193 58013 91753 333 10189 20122 555 90118=
01	1353	MET10111/01/20 13:53:02 METAR KTYS 011853Z 30013G21KT 10SM BKN050 19/07 A3009 RMK AO2 SLP185 T01890072 (KD)
01	1453	MET11911/01/20 14:53:02 METAR KTYS 011953Z 28018G25KT 10SM OVC250 18/05 A3009 RMK AO2 PK WND 27026/1915 SLP185 T01830050 (KD)
01	1553	MET12511/01/20 15:53:02 METAR KTYS 012053Z 28012G22KT 10SM FEW050 18/01 A3010 RMK AO2 PK WND 29027/2033 SLP190 T01780011 55003 (KD)
01	1600	SYN07472326 32766 22812 10178 20011 39833 40190 55003 92053 333 91022 555 90121=
01	1653	MET12011/01/20 16:53:02 METAR KTYS 012153Z 28017G27KT 10SM FEW030 16/M02 A3014 RMK AO2 PK WND 28027/2153 SLP203 T01561017 (GW)
01	1753	MET12011/01/20 17:53:02 METAR KTYS 012253Z 28015G30KT 10SM FEW030 13/M07 A3017 RMK AO2 PK WND 27030/2250 SLP215 T01331072 (GW)
01	1853	MET13811/01/20 18:53:02 METAR KTYS 012353Z 28013G21KT 10SM FEW030 12/M06 A3022 RMK AO2 PK WND 29027/2303 SLP231 T01221056 10189 20122 53039 (GW)
01	1900	SYN08672326 32566 22813 10122 21056 39873 40231 53039 92353 333 10189 20094 91021 555 90200=
01	1953	MET11211/01/20 19:53:01 METAR KTYS 020053Z 30008KT 10SM FEW030 11/M08 A3025 RMK AO2 PK WND 28026/0009 SLP242 T01061078
01	2053	MET11211/01/20 20:53:01 METAR KTYS 020153Z 31013G24KT 10SM CLR 09/M10 A3028 RMK AO2 PK WND 31026/0140 SLP251 T00941100
01	2153	MET10011/01/20 21:53:01 METAR KTYS 020253Z 32011G19KT 10SM CLR 08/M11 A3031 RMK AO2 SLP262 T00831106 53030
01	2200	SYN07472326 32966 03211 10083 21106 39902 40262 53030 90253 333 91019 555 90203=
01	2253	MET09411/01/20 22:53:01 METAR KTYS 020353Z 32010G22KT 10SM CLR 07/M09 A3033 RMK AO2 SLP267 T00721089
01	2353	MET10111/01/20 23:53:02 METAR KTYS 020453Z 35007KT 10SM CLR 06/M08 A3035 RMK AO2 SLP274 T00611078 401890061

Local Climatological Data
Hourly Precipitation
November 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						T																			01	
02																										02
03																										03
04																										04
05																										05
06																										06
07																										07
08																										08
09																										09
10																										10
11						T	0.03	T		T	0.02	T	T	T				T	0.06s	0.02	0.02	0.06	0.07	T	11	
12	T						T	T	T																	12
13																										13
14																										14
15										T	T	0.05	T	T	T											15
16																										16
17																										17
18																										18
19																										19
20																										20
21																										21
22														T	T	T		0.01	T	T	T	0.19s	0.01	T	22	
23																										23
24																										24
25													T	T	0.07	0.06	T									25
26																										26
27																										27
28		T	T																							28
29																			T	T	0.01	0.03	0.05	0.01	T	29
30	0.08	0.05	0.09	0.07	0.04	0.05	0.07	0.01			T	T	T	T	0.01	T	0.02	0.03	0.02	0.02	T	0.01	T	T	30	

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.09	0.13	0.16	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.24
Ending Date Time (yyyy-mm-dd hh:mi)	2020-11-22 21:44	2020-11-22 21:48	2020-11-22 21:53	2020-11-22 21:58	2020-11-22 22:03	2020-11-22 22:03	2020-11-22 22:03	2020-11-22 22:03	2020-11-22 22:03	2020-11-22 22:03	2020-11-22 22:03	2020-11-30 03:17

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