

Local Climatological Data Daily Summary May 2018

Generated on 02/18/2019

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	80	42*	61	-2.1	56	45	53	4	0	0544	1923		0.00	0.0	0	29.16	30.21	4.3	21	260	16	280					
02	83	52	67	3.6	61	54	60	0	2	0543	1923		0.00	0.0	0	29.18	30.21	5.8	25	240	17	240					
03	85	59	72	8.3	57	55	62	0	7	0542	1924		0.00	0.0	0	29.13	30.16	8.2	24	220	18	220					
04	84	62	73	9.1	62	59	64	0	8	0541	1925		0.00	0.0	0	29.06	30.07	10.5	28	230	23	230					
05	80	61	71	6.8	76	61	65	0	6	0540	1926	TS RA BR	0.17	0.0	0	28.97	29.98	6.3	25	240	21	230					
06	79	58	68	3.5	65	54	59	0	3	0539	1927	RA	0.01	0.0	0	28.92	29.96	5.7	31	320	20	360					
07	80	55	68	3.3	63	53	59	0	3	0538	1928	RA	T	0.0	0	29.00	30.03	4.3	20	340	15	350					
08	80	57	69	4.0	63	54	60	0	4	0537	1928		0.00	0.0	0	29.05	30.07	3.9	17	250	12	240					
09	84	56	70	4.7	63	57	62	0	5	0536	1929		0.00	0.0	0	29.03	30.05	5.9	24	210	21	210					
10	85	67	76	10.5	60	59	65	0	11	0535	1930	RA	T	0.0	0	28.98	30.00	10.7	26	250	22	230					
11	89	60	75	9.2	62	61	66	0	10	0534	1931		0.00	0.0	0	29.03	30.05	7.6	22	240	16	240					
12	89	63	76	9.9	57	60	66	0	11	0533	1932		0.00	0.0	0	29.06	30.08	6.3	18	300	14	240					
13	89	62	76	9.7	58	60	66	0	11	0532	1933		0.00	0.0	0	29.03	30.05	3.2	17	210	13	210					
14	91*	63	77	10.4	61	63	68	0	12	0532	1933		0.00	0.0	0	28.98	29.98	3.1	14	080	10	090					
15	89	66	78	11.1	75	65	69	0	13	0531	1934	TS RA	0.04	0.0	0	28.93	29.94	5.7	27	110	23	140					
16	83	65	74	6.9	79	65	67	0	9	0530	1935	RA	T	0.0	0	28.87	29.88	4.0	16	060	13	060					
17	86	66	76	8.6	80	66	68	0	11	0529	1936	RA TS	0.05	0.0	0	28.84	29.86	4.7	18	110	13	210					
18	82	64	73	5.3	90	67	68	0	8	0529	1937	TS RA BR	0.79	0.0	0	28.85	29.87	4.2	37	230	29	220					
19	85	65	75	7.1	77	66	68	0	10	0528	1937	RA BR	0.13	0.0	0	28.95	29.98	7.3	24	200	21	210					
20	88	66	77	8.8	74	67	70	0	12	0527	1938		0.00	0.0	0	29.05	30.07	5.6	15	280	13	280					
21	84	67	75	6.5	73	66	69	0	10	0526	1939	TS RA	T	0.0	0	29.07	30.08	3.8	20	140	16	130					
22	82	68	75	6.3	82	67	69	0	10	0526	1940	TS RA BR	0.64	0.0	0	29.03	30.04	3.5	25	150	20	160					
23	86	65	75	6.0	76	66	69	0	10	0525	1940	BR FG	0.00	0.0	0	29.03	30.04	3.4	15	060	10	060					
24	90	66	78	8.7	68	66	70	0	13	0525	1941	RA	T	0.0	0	29.03	30.04	5.6	20	160	16	150					
25	88	70	79	9.4	72	67	71	0	14	0524	1942		T	0.0	0	28.97	29.97	4.9	20	120	15	110					
26	86	69	78	8.2	80	68	71	0	13	0524	1943	TS RA BR	0.20	0.0	0	28.87	29.89	6.1	19	160	15	150					
27	84	67	75	4.9	86	69	70	0	10	0523	1943	TS RA BR	1.23	0.0	0	28.90	29.92	3.8	31	130	25	130					
28	75	68	72	1.6	96	70	70	0	7	0523	1944	RA BR	0.25	0.0	0	28.88	29.89	7.5	22	040	16	050					
29	83	69	76	5.3	92	71	72	0	11	0522	1945	RA	0.25	0.0	0	28.80	29.81	8.0	21	130	16	130					
30	82	70	76	5.1	90	71	72	0	11	0522	1945	RA BR	0.34	0.0	0	28.82	29.84	6.7	28	210	23	220					
31	81	68	74	2.8	86	69	71	0	9	0521	1946	TS RA BR	0.09	0.0	0	28.91	29.93	9.1	24	030	20	020					
	84.3	63.1	73.7										4.19			28.98	30.00	5.8									
	6.2	6.9	6.5										-0.32														
Monthly Averages Totals												4.19			28.98	30.00	5.8										
Departure from Normal (1981-2010)												-0.32															
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		4		-54		3572		>=90°		<=32°		<=32°		<=0°		13		9		0							
Cooling		273		148		304		2		0		0		0		13		9		0							
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure								Greatest...											
2007-04-17								Maximum		30.29		Date		02		Time		0953		24-Hr...		Precip		Snowfall		Snow Depth	
								Minimum		29.75		Date		29		Time		1606		1.41		0.0		0			
								Date						26-27													
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
Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W
Station: **KNOXVILLE AIRPORT, TN US 13891**

Local Climatological Data Hourly Observations May 2018

Generated on 02/18/2019

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	Weather Type (see documentation) AU AW MW	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)
						(F)	(C)	(F)	(C)	(F)	(C)											
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		48	8.9	45	7.3	42	5.6	80	0	000		29.15	8	+0.01	30.19	FM-15	0.00	30.20
01	0100	4		9.94		48	8.9	45	7.3	42	5.6	80	0	000		29.13	8	+0.01	30.19	FM-12		30.20
01	0153	7	CLR:00	10.00		49	9.4	45	7.3	41	5.0	74	0	000		29.13			30.17	FM-15	0.00	30.18
01	0253	7	CLR:00	10.00		47	8.3	44	6.8	41	5.0	80	0	000		29.14			30.18	FM-15	0.00	30.19
01	0353	7	CLR:00	10.00		45	7.2	43	6.2	41	5.0	86	0	000		29.15	3	-0.00	30.19	FM-15	0.00	30.20
01	0400	4		9.94		45	7.2	43	6.2	41	5.0	86	0	000		29.13	3	-0.00	30.19	FM-12		30.20
01	0453	7	CLR:00	10.00		43	6.1	42	5.6	41	5.0	93	3	040		29.15			30.20	FM-15	0.00	30.21
01	0553	7	CLR:00	10.00		44	6.7	43	5.9	41	5.0	89	0	000		29.18			30.22	FM-15	0.00	30.24
01	0653	7	CLR:00	10.00		47	8.3	45	7.0	42	5.6	83	0	000		29.21	3	-0.05	30.24	FM-15	0.00	30.26
01	0700	4		9.94		47	8.3	45	7.0	42	5.6	83	0	000		29.19	3	-0.05	30.24	FM-12		30.26
01	0753	7	CLR:00	10.00		53	11.7	49	9.4	45	7.2	74	0	000		29.22			30.27	FM-15	0.00	30.28
01	0853	7	CLR:00	10.00		60	15.6	52	11.2	45	7.2	58	0	000		29.24			30.28	FM-15	0.00	30.30
01	0953	7	CLR:00	10.00		65	18.3	55	12.7	46	7.8	51	3	010		29.24	1	-0.04	30.28	FM-15	0.00	30.30
01	1000	4		9.94		65	18.3	55	12.7	46	7.8	51	3	010		29.23	1	-0.04	30.28	FM-12		30.30
01	1053	7	CLR:00	10.00		70	21.1	57	13.8	46	7.8	42	3	VRB		29.23			30.27	FM-15	0.00	30.29
01	1153	7	CLR:00	10.00		74	23.3	59	14.9	47	8.3	38	9	220		29.21			30.25	FM-15	0.00	30.27
01	1253	7	CLR:00	10.00		77	25.0	60	15.8	48	8.9	36	14	240	17	29.19	8	+0.04	30.24	FM-15	0.00	30.25
01	1300	4		9.94		77	25.0	60	15.8	48	8.9	36	14	240		29.18	8	+0.04	30.24	FM-12		30.25
01	1353	7	CLR:00	10.00		78	25.6	60	15.8	47	8.3	33	13	230		29.18			30.21	FM-15	0.00	30.23
01	1453	7	CLR:00	10.00		79	26.1	60	15.8	46	7.8	31	13	250		29.15			30.19	FM-15	0.00	30.20
01	1553	7	FEW:02 60	10.00		78	25.6	60	15.8	47	8.3	33	7	VRB		29.13	8	+0.07	30.16	FM-15	0.00	30.18
01	1600	4	57	9.94		78	25.6	60	15.8	47	8.3	33	7			29.12	8	+0.07	30.16	FM-12		30.18
01	1653	7	FEW:02 60	10.00		79	26.1	60	15.5	45	7.2	30	10	250		29.12			30.16	FM-15	0.00	30.17
01	1753	7	CLR:00	10.00		78	25.6	60	15.5	46	7.8	32	10	260		29.13			30.16	FM-15	0.00	30.18
01	1853	7	FEW:02 250	10.00		76	24.4	60	15.4	47	8.3	36	6	250		29.13	5	+0.00	30.16	FM-15	0.00	30.18
01	1900	4		9.94		76	24.4	60	15.4	47	8.3	36	6	250		29.12	5	+0.00	30.16	FM-12		30.18
01	1953	7	FEW:02 250	10.00		73	22.8	59	14.7	47	8.3	40	5	200		29.14			30.18	FM-15	0.00	30.19
01	2053	7	FEW:02 250	10.00		68	20.0	57	13.9	48	8.9	49	0	000		29.15			30.18	FM-15	0.00	30.20
01	2153	7	SCT:04 250	10.00		66	18.9	57	13.7	49	9.4	54	3	160		29.15	1	-0.03	30.19	FM-15	0.00	30.21
01	2200	4		9.94		66	18.9	57	13.7	49	9.4	54	3	160		29.14	1	-0.03	30.19	FM-12		30.21
01	2253	7	SCT:04 250	10.00		63	17.2	55	13.0	49	9.4	60	0	000		29.15			30.18	FM-15	0.00	30.21
01	2353	7	SCT:04 250	10.00		63	17.2	56	13.3	50	10.0	63	3	190		29.15			30.18	FM-15	0.00	30.21

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W
Station: **KNOXVILLE AIRPORT, TN US 13891**

Local Climatological Data
Hourly Remarks
May 2018

Generated on 02/18/2019

National Centers for Environmental Information
151 Patton Avenue
Asheville, North Carolina 28801

Date	Time (LST)	Remarks
01	0053	MET11405/01/18 00:53:02 METAR KTYS 010553Z 00000KT 10SM CLR 09/06 A3020 RMK AO2 SLP223 T00890056 10217 20089 58002 (JTD)
01	0100	SYN08072326 32966 00000 10089 20056 39866 40223 58002 90553 333 10217 20039 555 90106=
01	0153	MET09605/01/18 01:53:02 METAR KTYS 010653Z 00000KT 10SM CLR 09/05 A3018 RMK AO2 SLP216 T00940050 (JTD)
01	0253	MET09605/01/18 02:53:02 METAR KTYS 010753Z 00000KT 10SM CLR 08/05 A3019 RMK AO2 SLP220 T00830050 (JTD)
01	0353	MET10205/01/18 03:53:02 METAR KTYS 010853Z 00000KT 10SM CLR 07/05 A3020 RMK AO2 SLP223 T00720050 53001 (JTD)
01	0400	SYN06472326 32966 00000 10072 20050 39866 40223 53001 90853 555 90109=
01	0453	MET09605/01/18 04:53:02 METAR KTYS 010953Z 04003KT 10SM CLR 06/05 A3021 RMK AO2 SLP227 T00610050 (JTD)
01	0553	MET09605/01/18 05:53:02 METAR KTYS 011053Z 00000KT 10SM CLR 07/05 A3024 RMK AO2 SLP234 T00670050 (JTD)
01	0653	MET11405/01/18 06:53:02 METAR KTYS 011153Z 00000KT 10SM CLR 08/06 A3026 RMK AO2 SLP242 T00830056 10106 20056 53018 (JTD)
01	0700	SYN08072326 32966 00000 10083 20056 39886 40242 53018 91153 333 10239 20056 555 90112=
01	0753	MET09505/01/18 07:53:02 METAR KTYS 011253Z 00000KT 10SM CLR 12/07 A3028 RMK AO2 SLP250 T01170072 (NS)
01	0853	MET09505/01/18 08:53:02 METAR KTYS 011353Z 00000KT 10SM CLR 16/07 A3030 RMK AO2 SLP254 T01560072 (NS)
01	0953	MET10105/01/18 09:53:02 METAR KTYS 011453Z 01003KT 10SM CLR 18/08 A3030 RMK AO2 SLP254 T01830078 51013 (NS)
01	1000	SYN06472326 32966 00103 10183 20078 39899 40254 51013 91453 555 90115=
01	1053	MET09505/01/18 10:53:02 METAR KTYS 011553Z VRB03KT 10SM CLR 21/08 A3029 RMK AO2 SLP251 T02110078 (NS)
01	1153	MET09505/01/18 11:53:02 METAR KTYS 011653Z 22008KT 10SM CLR 23/08 A3027 RMK AO2 SLP243 T02330083 (NS)
01	1253	MET11605/01/18 12:53:02 METAR KTYS 011753Z 24012G15KT 10SM CLR 25/09 A3025 RMK AO2 SLP239 T02500089 10250 20083 58015 (NS)
01	1300	SYN08672326 32966 02412 10250 20089 39883 40239 58015 91753 333 10250 20083 91015 555 90118=
01	1353	MET09505/01/18 13:53:02 METAR KTYS 011853Z 23011KT 10SM CLR 26/08 A3023 RMK AO2 SLP231 T02560083 (NS)
01	1453	MET09505/01/18 14:53:02 METAR KTYS 011953Z 25011KT 10SM CLR 26/08 A3020 RMK AO2 SLP222 T02610078 (NS)
01	1553	MET10505/01/18 15:53:02 METAR KTYS 012053Z VRB06KT 10SM FEW060 26/08 A3018 RMK AO2 SLP215 T02560083 58023 (ALG)
01	1600	SYN06472326 32766 2/06 10256 20083 39860 40215 58023 92053 555 90121=
01	1653	MET09905/01/18 16:53:02 METAR KTYS 012153Z 25009KT 10SM FEW060 26/07 A3017 RMK AO2 SLP212 T02610072 (ALG)
01	1753	MET09605/01/18 17:53:02 METAR KTYS 012253Z 26009KT 10SM CLR 26/08 A3018 RMK AO2 SLP213 T02560078 (ALG)
01	1853	MET11705/01/18 18:53:02 METAR KTYS 012353Z 25005KT 10SM FEW250 24/08 A3018 RMK AO2 SLP214 T02440083 10267 20239 55001 (ALG)
01	1900	SYN08072326 32966 22505 10244 20083 39860 40214 55001 92353 333 10267 20056 555 90200=
01	1953	MET09305/01/18 19:53:01 METAR KTYS 020053Z 20004KT 10SM FEW250 23/08 A3019 RMK AO2 SLP219 T02280083
01	2053	MET09305/01/18 20:53:02 METAR KTYS 020153Z 00000KT 10SM FEW250 20/09 A3020 RMK AO2 SLP220 T02000089
01	2153	MET09905/01/18 21:53:01 METAR KTYS 020253Z 16003KT 10SM SCT250 19/09 A3021 RMK AO2 SLP223 T01890094 51011
01	2200	SYN06472326 32966 41603 10189 20094 39869 40223 51011 90253 555 90203=
01	2253	MET09305/01/18 22:53:02 METAR KTYS 020353Z 00000KT 10SM SCT250 17/09 A3021 RMK AO2 SLP221 T01720094
01	2353	MET10305/01/18 23:53:02 METAR KTYS 020453Z 19003KT 10SM SCT250 17/10 A3021 RMK AO2 SLP221 T01720100 402670056

Local Climatological Data
Hourly Precipitation
May 2018

Generated on 02/18/2019

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						0.01s	0.12	0.04	05			
06	T			0.01																						06			
07																		T						T	T	07			
08																										08			
09																										09			
10															T	T										10			
11																										11			
12																										12			
13																										13			
14																										14			
15																		T	T	0.04	T	T	T	T		15			
16								T	T																	16			
17																		T	T	0.01	0.03				0.01	17			
18	0.01												0.01	0.11	T		0.61	0.03	0.02							18			
19		0.03	0.07	0.03	T						T	T	T													19			
20																										20			
21														T	T											21			
22													T		0.55	T				T	0.09	T				22			
23																										23			
24																										24			
25													M												T	25			
26																						0.03	0.16	0.01		26			
27	0.13	0.13	0.03	0.05	0.03	0.08	T												T	0.63s	0.13	0.02	T			27			
28								T	T	T	T	0.01	0.03	T	0.01	0.13s	0.07	T	M							28			
29	T	T	T	T	T	T	0.01	0.01	0.02	T	T	T	0.02	T	T		0.05	0.01	0.02	0.01	T			0.03	0.07	29			
30	0.02	T		T			0.01																		0.01		30		
31												T	T			T										0.03s	0.06	T	31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.43	0.58	0.61	0.61	0.61	0.62	0.64	0.69	0.75	0.76	0.77	0.78
Ending Date Time (yyyy-mm-dd hh:mi)	2018-05-18 16:45	2018-05-18 16:48	2018-05-18 16:51	2018-05-18 16:51	2018-05-18 16:51	2018-05-27 18:54	2018-05-27 19:04	2018-05-27 19:28	2018-05-27 19:45	2018-05-27 19:52	2018-05-27 20:15	2018-05-27 20:42

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