

Local Climatological Data Daily Summary June 2017

Generated on 04/11/2018

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	81	61	71	-0.5	73	60	64	0	6	0521	1947	TS RA BR	0.02	0.0	0	29.05	30.06	4.4	22	310	17	340					
02	85	60	72	0.2	66	60	65	0	7	0521	1947	BR HZ FG	0.00	0.0	0	29.02	30.05	2.8	18	320	10	340					
03	85	60	72	0.0	61	58	64	0	7	0520	1948		0.00	0.0	0	29.00	30.02	4.3	14	030	12	030					
04	81	62	72	-0.3	82	65	67	0	7	0520	1948	TS RA BR	0.08	0.0	0	28.92	29.93	3.2	23	220	20	210					
05	76	67	72	-0.6	90	67	68	0	7	0520	1949	TS RA BR	1.34	0.0	0	28.78	29.79	5.8	24	280	14	310					
06	81	63	72	-0.9	71	58	62	0	7	0520	1950	BR FG	0.00	0.0	0	28.77	29.79	5.9	18	030	16	040					
07	78	56	67	-6.1	57	52	59	0	2	0520	1950		0.00	0.0	0	28.84	29.86	9.7	17	070	14	020					
08	77	58	68	-5.4	63	54	60	0	3	0519	1951		T	0.0	0	28.85	29.88	5.8	20	240	14	270					
09	80	58	69	-4.7	61	55	61	0	4	0519	1951		0.00	0.0	0	28.91	29.94	3.0	16	260	13	260					
10	85	58	72	-1.9	62	58	64	0	7	0519	1952		0.00	0.0	0	29.02	30.05	3.5	20	250	15	210					
11	88	63	76	1.8	62	62	67	0	11	0519	1952		0.00	0.0	0	29.10	30.13	3.5			8	270					
12	89	70	80	5.6	66	66	70	0	15	0519	1952		0.00	0.0	0	29.10	30.10	4.3	20	210	15	220					
13	91*	68	80	5.3	71	66	70	0	15	0519	1953	TS RA BR	1.50	0.0	0	29.03	30.05	5.9	19	150	16	150					
14	87	66	76	1.1	82	68	70	0	11	0519	1953	TS RA	T	0.0	0	28.99	30.01	3.1	32	350	24	350					
15	87	68	78	2.8	78	67	70	0	13	0519	1954	TS RA BR	T	0.0	0	28.92	29.94	6.4	30	280	24	280					
16	85	66	76	0.6	74	64	67	0	11	0519	1954	BR	0.00	0.0	0	28.87	29.88	4.5	13	260	10	250					
17	88	66	77	1.4	68	66	70	0	12	0519	1954		0.00	0.0	0	28.81	29.82	6.4			13	230					
18	87	71	79	3.2	69	67	71	0	14	0519	1955		0.00	0.0	0	28.82	29.85	9.5	26	250	20	240					
19	79	67	73	-3.0	82	68	70	0	8	0520	1955	TS RA	0.07	0.0	0	28.90	29.94	9.6	26	240	20	230					
20	84	62	73	-3.2	67	61	66	0	8	0520	1955	BR FG	0.00	0.0	0	29.01	30.03	3.6	16	030	13	040					
21	83	67	75	-1.4	75	66	69	0	10	0520	1955		0.00	0.0	0	29.02	30.04	5.8	18	230	14	220					
22	77	70	74	-2.6	88	69	70	0	9	0520	1956	RA BR	0.20	0.0	0	29.00	30.02	3.6	16	200	14	220					
23	88	72	80	3.2	73	68	71	0	15	0520	1956	RA BR	0.20	0.0	0	28.84	29.85	16.6	47	210	35	210					
24	86	68	77	0.0	72	66	70	0	12	0521	1956	TS RA BR	0.64	0.0	0	28.92	29.96	7.0	21	280	15	280					
25	80	61	70	-7.1	59	54	61	0	5	0521	1956		0.00	0.0	0	29.10	30.14	4.5	16	020	13	040					
26	78	56	67	-10.3	65	55	60	0	2	0521	1956		T	0.0	0	29.10	30.12	4.1	16	230	13	240					
27	79	60	70	-7.4	61	54	60	0	5	0522	1956		0.00	0.0	0	29.05	30.08	4.0	16	060	12	010					
28	85	54*	70	-7.6	59	55	61	0	5	0522	1956		0.00	0.0	0	29.08	30.11	4.5	17	260	14	270					
29	87	63	75	-2.7	66	63	68	0	10	0522	1956		T	0.0	0	29.05	30.07	6.8	22	230	20	230					
30	82	70	76	-1.8	83	69	71	0	11	0523	1956	RA BR	0.37	0.0	0	28.98	30.00	7.1	28	210	20	210					
Monthly Averages Totals													4.42			28.97	29.98	5.6									
Departure from Normal (1981-2010)													0.61														
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		0			-4			2632		>=90°		<=32°		<=32°		<=0°	9		6	0							
Cooling		255			-50			492		1		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			
								30.21				11				0926				Precip		Snowfall		0			
								29.70				23				1753				1.50		0.0					
								Date								13-13											
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 June 2017

Generated on 04/11/2018

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	SCT:04 70	10.00		67	19.4	63	17.4	61	16.1	81	3	250		29.04	3	-0.01	30.06	FM-15	0.00	30.09
01	0100	4	74	9.94		67	19.4	63	17.4	61	16.1	81	3	250		29.03	3	-0.01	30.06	FM-12		30.09
01	0153	7	SCT:04 70	10.00		66	18.9	62	16.9	60	15.6	81	5	230		29.03			30.06	FM-15	0.00	30.08
01	0253	7	BKN:07 70	10.00		63	17.2	61	16.2	60	15.6	90	0	000		29.03			30.05	FM-15	0.00	30.08
01	0353	7	SCT:04 70	10.00		62	16.7	60	15.7	59	15.0	90	0	000		29.03	5	+0.01	30.05	FM-15	0.00	30.08
01	0400	4	74	9.94		62	16.7	60	15.7	59	15.0	90	0	000		29.02	5	+0.01	30.05	FM-12		30.08
01	0453	7	FEW:02 70 SCT:04 250	10.00		63	17.2	61	15.9	59	15.0	87	0	000		29.04			30.06	FM-15	0.00	30.09
01	0553	7	BKN:07 250	10.00		63	17.2	61	15.9	59	15.0	87	0	000		29.06			30.08	FM-15	0.00	30.11
01	0653	7	FEW:02 150 BKN:07 250	10.00		66	18.9	63	17.2	61	16.1	84	0	000		29.07	2	-0.04	30.09	FM-15	0.00	30.12
01	0700	4		9.94		66	18.9	63	17.2	61	16.1	84	0	000		29.06	2	-0.04	30.09	FM-12		30.12
01	0753	7	FEW:02 150 BKN:07 250	10.00		68	20.0	64	17.6	61	16.1	78	5	240		29.09			30.11	FM-15	0.00	30.14
01	0853	7	OVC:08 250	10.00		71	21.7	65	18.6	62	16.7	73	5	220		29.09			30.11	FM-15	0.00	30.14
01	0953	7	FEW:02 31 BKN:07 200 OVC:08 250	10.00		75	23.9	67	19.3	62	16.7	64	3	VRB		29.08	0	-0.01	30.10	FM-15	0.00	30.13
01	1000	4	26	9.94		75	23.9	67	19.3	62	16.7	64	3			29.07	9	0.01	30.10	FM-12		30.13
01	1053	7	FEW:02 34 OVC:08 250	10.00		78	25.6	67	19.3	60	15.6	54	6	240		29.08			30.10	FM-15	0.00	30.13
01	1153	7	FEW:02 36 OVC:08 250	10.00		79	26.1	65	18.3	56	13.3	45	3	220		29.07			30.09	FM-15	0.00	30.12
01	1253	7	FEW:02 40 FEW:02 180 OVC:08 250	10.00		81	27.2	64	17.9	53	11.7	38	8	VRB		29.06	8	+0.02	30.08	FM-15	0.00	30.11
01	1300	4	41	9.94		81	27.2	64	17.9	53	11.7	38	8	260		29.05	8	+0.02	30.08	FM-12		30.11
01	1353	7	FEW:02 45 SCT:04 150 OVC:08 250	10.00		80	26.7	65	18.2	55	12.8	42	9	250		29.04			30.06	FM-15	0.00	30.09
01	1453	7	FEW:02 45 SCT:04 120 OVC:08 250	10.00		79	26.1	65	18.3	56	13.3	45	9	230		29.02			30.04	FM-15	0.00	30.07
01	1553	7	FEW:02 50 SCT:04 120 OVC:08 250	10.00		81	27.2	66	19.0	57	13.9	44	7	210		29.01	6	+0.06	30.03	FM-15	0.00	30.06
01	1600	4	57	9.94		81	27.2	66	19.0	57	13.9	44	7	210		29.00	6	+0.06	30.03	FM-12		30.06
01	1653	6	FEW:02 50 BKN:07 120 OVC:08 250	10.00		79	26.1	65	18.3	56	13.3	45	7	260		29.01			30.03	FM-15	0.00	30.06
01	1753	7	SCT:04 90 OVC:08 110	5.00	-RA:02 RA	68	20.0	64	17.9	62	16.7	81	9	310		29.01			30.03	FM-15	T	30.06
01	1832	7	FEW:02 70 BKN:07 110 OVC:08 250	10.00	VC-RA:02 RA	69	20.6	65	18.5	63	17.2	81	8	330		29.01				FM-16	0.01	30.06
01	1849	7	FEW:02 70 BKN:07 110 OVC:08 250	10.00	-RA:02 RA	70	21.0	66	18.7	63	17.0	78	14	320	21	29.01				FM-16	0.01	30.06
01	1853	7	FEW:02 70 BKN:07 110 OVC:08 250	10.00	-RA:02 RA	68	20.0	64	17.9	62	16.7	81	14	320		29.02	2	-0.01	30.04	FM-15	0.01	30.07
01	1900	4	74	9.94	RA	68	20.0	64	17.9	62	16.7	81	14	320		29.01	2	-0.01	30.04	FM-12		30.07

01	1953	7	FEW:02 50 BKN:07 85 BKN:07 110	10.00		68	20.0	65	18.3	63	17.2	84	7	250		29.01			30.03	FM-15	0.01	30.06
01	2053	7	FEW:02 85 FEW:02 110 OVC:08 250	10.00		68	20.0	66	18.9	65	18.3	90	0	000		29.00			30.02	FM-15	0.00	30.05
01	2153	7	FEW:02 10 FEW:02 85 BKN:07 250	10.00		65	18.3	64	18.0	64	17.8	97	5	340		29.02	3	-0.01	30.05	FM-15	0.00	30.07
01	2200	4	15	9.94		65	18.3	64	18.0	64	17.8	97	5	340		29.01	3	-0.01	30.05	FM-12		30.07
01	2238	7	FEW:02 3 SCT:04 250	10.00		65	18.3	64	18.0	64	17.8	97	0	000		29.02				FM-16		30.07
01	2253	7	FEW:02 3 SCT:04 250	10.00		65	18.3	64	18.0	64	17.8	97	0	000		29.02			30.04	FM-15	0.00	30.07
01	2353	7	FEW:02 3 SCT:04 250	6.00	BR:1	65	18.3	64	18.0	64	17.8	97	0	000		29.02			30.04	FM-15	0.00	30.07

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Current Location: Elev: 962 ft. Lat: 35.8181° N Lon: -83.9858° W
Station: **KNOXVILLE AIRPORT, TN US 13891**

Local Climatological Data
Hourly Remarks
June 2017

Generated on 04/11/2018

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

Date	Time (LST)	Remarks
01	0053	MET11706/01/17 00:53:02 METAR KTYS 010553Z 25003KT 10SM SCT070 19/16 A3009 RMK AO2 SLP180 T01940161 10256 20194 53002 (JTD)
01	0100	SYN08072326 32866 42503 10194 20161 39830 40180 53002 90553 333 10272 20178 555 90106=
01	0153	MET09906/01/17 01:53:02 METAR KTYS 010653Z 23004KT 10SM SCT070 19/16 A3008 RMK AO2 SLP178 T01890156 (JTD)
01	0253	MET09906/01/17 02:53:02 METAR KTYS 010753Z 00000KT 10SM BKN070 17/16 A3008 RMK AO2 SLP175 T01720156 (JTD)
01	0353	MET10506/01/17 03:53:02 METAR KTYS 010853Z 00000KT 10SM SCT070 17/15 A3008 RMK AO2 SLP176 T01670150 55004 (JTD)
01	0400	SYN06472326 32866 40000 10167 20150 39827 40176 55004 90853 555 90109=
01	0453	MET10606/01/17 04:53:02 METAR KTYS 010953Z 00000KT 10SM FEW070 SCT250 17/15 A3009 RMK AO2 SLP180 T01720150 (JTD)
01	0553	MET09906/01/17 05:53:02 METAR KTYS 011053Z 00000KT 10SM BKN250 17/15 A3011 RMK AO2 SLP187 T01720150 (JTD)
01	0653	MET12406/01/17 06:53:02 METAR KTYS 011153Z 00000KT 10SM FEW150 BKN250 19/16 A3012 RMK AO2 SLP191 T01890161 10194 20161 52014 (JTD)
01	0700	SYN08072326 32966 60000 10189 20161 39840 40191 52014 91153 333 10278 20161 555 90112=
01	0753	MET10506/01/17 07:53:02 METAR KTYS 011253Z 24004KT 10SM FEW150 BKN250 20/16 A3014 RMK AO2 SLP195 T02000161 (MB)
01	0853	MET09806/01/17 08:53:02 METAR KTYS 011353Z 22004KT 10SM OVC250 22/17 A3014 RMK AO2 SLP195 T02170167 (MB)
01	0953	MET11806/01/17 09:53:02 METAR KTYS 011453Z VRB03KT 10SM FEW031 BKN200 OVC250 24/17 A3013 RMK AO2 SLP194 T02390167 50003 (MB)
01	1000	SYN06472326 32566 8/03 10239 20167 39843 40194 50003 91453 555 90115=
01	1053	MET10506/01/17 10:53:02 METAR KTYS 011553Z 24005KT 10SM FEW034 OVC250 26/16 A3013 RMK AO2 SLP193 T02560156 (MB)
01	1153	MET10506/01/17 11:53:02 METAR KTYS 011653Z 22003KT 10SM FEW036 OVC250 26/13 A3012 RMK AO2 SLP190 T02610133 (MB)
01	1253	MET13006/01/17 12:53:02 METAR KTYS 011753Z 26007KT 10SM FEW040 FEW180 OVC250 27/12 A3011 RMK AO2 SLP187 T02720117 10272 20189 58007 (MB)
01	1300	SYN08072326 32666 82607 10272 20117 39837 40187 58007 91753 333 10272 20189 555 90118=
01	1353	MET11206/01/17 13:53:02 METAR KTYS 011853Z 25008KT 10SM FEW045 SCT150 OVC250 27/13 A3009 RMK AO2 SLP180 T02670128 (MB)
01	1453	MET12406/01/17 14:53:02 METAR KTYS 011953Z 23008KT 10SM FEW045 SCT120 OVC250 26/13 A3007 RMK AO2 LTG DSNT NW SLP174 T02610133 (MB)
01	1553	MET13506/01/17 15:53:02 METAR KTYS 012053Z 21006KT 10SM FEW050 SCT120 OVC250 27/14 A3006 RMK AO2 SLP168 CB DSNT NW-N-NE T02720139 56019 (ALG)
01	1600	SYN06472326 32766 82106 10272 20139 39820 40168 56019 92053 555 90121=
01	1653	MET12506/01/17 16:53:02 METAR KTYS 012153Z 26006KT 10SM FEW050 BKN120 OVC250 26/13 A3006 RMK AO2 SLP170 CB DSNT WNW T02610133 (ALG)
01	1753	MET12106/01/17 17:53:02 METAR KTYS 012253Z 31008KT 5SM -RA SCT090 OVC110 20/17 A3006 RMK AO2 RAB10 SLP171 T02000167 PNO \$ (ALG)
01	1832	MET16106/01/17 18:32:02 SPECI KTYS 012332Z 33007KT 10SM VCTS -RA FEW070CB BKN110 OVC250 21/17 A3006 RMK AO2 OCNL LTGICCG VC NW TS VC NW MOV ESE P0001 T02060172 \$ (ALG)
01	1849	MET12706/01/17 18:49:02 SPECI KTYS 012349Z 32012G18KT 10SM -RA FEW070 BKN110 OVC250 21/17 A3006 RMK AO2 TS VC NW DSIPTD P0001 \$ (ALG)
01	1853	MET14906/01/17 18:53:02 METAR KTYS 012353Z 32012KT 10SM -RA FEW070 BKN110 OVC250 20/17 A3007 RMK AO2 SLP173 P0001 60001 T02000167 10272 20200 52003 \$ (ALG)
01	1900	SYN09272326 11866 83212 10200 20167 39823 40173 52003 69931 761// 92353 333 10272 20161 555 90200=
01	1953	MET12106/01/17 19:53:01 METAR KTYS 020053Z 25006KT 10SM FEW050 BKN085 BKN110 20/17 A3006 RMK AO2 RAE29 SLP170 P0001 T02000172 \$
01	2053	MET10906/01/17 20:53:02 METAR KTYS 020153Z 00000KT 10SM FEW085 FEW110 OVC250 20/18 A3005 RMK AO2 SLP167 T02000183 \$
01	2153	MET12106/01/17 21:53:02 METAR KTYS 020253Z 34004KT 10SM FEW010 FEW085 BKN250 18/18 A3007 RMK AO2 SLP175 60001 T01830178 53002 \$
01	2200	SYN07072326 12466 63404 10183 20178 39823 40175 53002 69937 90253 555 90203=
01	2238	MET09506/01/17 22:38:02 SPECI KTYS 020338Z 00000KT 10SM FEW003 SCT250 19/18 A3007 RMK AO2 T01830178 \$
01	2253	MET10206/01/17 22:53:02 METAR KTYS 020353Z 00000KT 10SM FEW003 SCT250 19/18 A3007 RMK AO2 SLP173 T01830178 \$
01	2353	MET11406/01/17 23:53:02 METAR KTYS 020453Z 00000KT 6SM BR FEW003 SCT250 18/18 A3007 RMK AO2 SLP173 T01830178 402720161 \$

Local Climatological Data
Hourly Precipitation
June 2017

Generated on 04/11/2018

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	0.01	0.01					01	
02																										02
03																										03
04											T				0.04	0.04							T	T		04
05	0.03s	0.03	T				0.04	0.07	0.05		T	0.01	0.13	0.05	0.89	0.04	T			T	T	T			05	
06																										06
07																										07
08																										08
09																										09
10																										10
11																										11
12																										12
13																				T	T	1.48s	0.02	T		13
14															T	T	T									14
15															T											15
16																										16
17																										17
18																										18
19			T	0.01	0.05	0.01						T				T	T	T								19
20																										20
21																										21
22						T	T	T	T	0.01	0.03	T	T	0.03	0.02	0.01	0.02	T	0.01	0.03	T	0.04				22
23		0.01	T					T	T	0.01									0.01	0.15	0.02					23
24	0.21	T			T	0.02	0.28s	0.11	0.02	T																24
25																										25
26															T	M										26
27																										27
28																										28
29																										29
30	M	T	T	T	T	T		T	0.20	0.08	0.03		0.01	0.04	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	0.70	0.95	1.18	1.40	1.48	1.49	1.49	1.49	1.50	1.50	1.50
Ending Date Time (yyyy-mm-dd hh:mi)	2017-06-13 21:23	2017-06-13 21:27	2017-06-13 21:32	2017-06-13 21:35	2017-06-13 21:44	2017-06-13 21:54	2017-06-13 22:03	2017-06-13 22:03	2017-06-13 22:03	2017-06-13 22:56	2017-06-13 22:56	2017-06-13 22:56

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