

Local Climatological Data Daily Summary June 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	83	65	74	2.5	83	67	69	0	9	0521	1947	RA	0.01	0.0	0	28.89	29.91	7.9	28	240	22	250									
02	86	67	76	4.2	84	71	72	0	11	0521	1947	TS RA BR	0.02	0.0	0	28.85	29.86	5.1	17	250	14	250									
03	88	68	78	6.0	77	69	71	0	13	0520	1948	TS	0.02	0.0	0	28.84	29.86	5.1	26	010	21	010									
04	84	59	72	-0.3	56	55	62	0	7	0520	1948		0.00	0.0	0	28.91	29.93	3.8	16	300	13	270									
05	82	59	71	-1.6	62	56	62	0	6	0520	1949		0.00	0.0	0	28.87	29.88	3.3	16	030	13	030									
06	89	59*	74	1.1	63	59	64	0	9	0520	1950		0.00	0.0	0	28.85	29.88	3.5	18	230	14	240									
07	87	61	74	0.9	62	59	64	0	9	0520	1950		0.00	0.0	0	28.98	30.01	3.9	14	030	10	010									
08	91	61	76	2.6	66	63	68	0	11	0519	1951		0.00	0.0	0	29.08	30.10	2.4	13	310	9	130									
09	90	66	78	4.3	67	67	71	0	13	0519	1951		0.00	0.0	0	29.05	30.05	3.7	14	310	12	280									
10	90	68	79	5.1	75	68	71	0	14	0519	1952	RA	0.06	0.0	0	28.94	29.94	6.0	27	300	21	300									
11	85	68	76	1.8	81	68	70	0	11	0519	1952	TS	0.02	0.0	0	28.92	29.92	5.7	21	240	16	250									
12	89	65	77	2.6	72	67	70	0	12	0519	1952		0.00	0.0	0	28.99	30.00	7.1	23	240	20	230									
13	86	70	78	3.3	75	68	71	0	13	0519	1953		0.00	0.0	0	28.98	30.00	8.4	23	220	17	240									
14	90	69	80	5.1	74	69	72	0	15	0519	1953		0.00	0.0	0	28.97	29.99	4.0	11	350	9	010									
15	92	67	79	3.8	61	64	69	0	14	0519	1954		0.00	0.0	0	28.96	29.97	3.8	14	030	10	020									
16	94	64	79	3.6	56	62	69	0	14	0519	1954		0.00	0.0	0	28.98	30.00	3.6			9	340									
17	94	72	83	7.4	68	68	72	0	18	0519	1954	TS	T	0.0	0	29.07	30.08	5.7	24	110	18	100									
18	95	68	82	6.2	65	67	72	0	17	0519	1955	TS	0.00	0.0	0	29.07	30.08	4.2	25	330	20	330									
19	95*	72	83	7.0	66	69	73	0	18	0520	1955	TS	0.00	0.0	0	28.98	29.99	4.9	22	330	17	320									
20	91	72	82	5.8	67	68	72	0	17	0520	1955		0.00	0.0	0	28.90	29.91	6.8	21	260	16	250									
21	80	70	75	-1.4	85	70	72	0	10	0520	1955	RA BR	0.47	0.0	0	28.82	29.82	7.7	22	220	17	220									
22	88	70	79	2.4	80	68	71	0	14	0520	1956	RA	0.05	0.0	0	28.77	29.78	12.3	30	220	23	210									
23	87	69	78	1.2	80	68	70	0	13	0520	1956		0.00	0.0	0	28.84	29.86	11.5	33	210	28	200									
24	91	70	81	4.0	84	71	73	0	16	0521	1956	TS RA BR	0.65	0.0	0	28.94	29.96	8.5	29	210	23	330									
25	87	68	78	0.9	92	70	71	0	13	0521	1956	TS RA BR	0.52	0.0	0	29.03	30.06	4.8	37	260	29	270									
26	89	68	79	1.7	88	70	71	0	14	0521	1956	TS RA BR	0.44	0.0	0	29.07	30.08	8.0	36	330	28	320									
27	75	67	71	-6.4	94	69	69	0	6	0522	1956	TS RA BR	0.86	0.0	0	28.99	30.00	7.2	18	300	14	290									
28	77	67	72	-5.6	92	69	69	0	7	0522	1956	TS RA BR	1.01	0.0	0	28.95	29.98	7.6	29	310	22	310									
29	89	70	80	2.3	79	71	73	0	15	0522	1956		0.00	0.0	0	28.99	30.01	4.3	13	110	10	070									
30	93	70	82	4.2	74	72	75	0	17	0523	1956		0.00	0.0	0	29.00	30.01	4.3	16	040	12	070									
Monthly Averages Totals													4.13			28.95	29.96	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			0			-4			3572			>=90°		<=32°		<=32°		<=0°		12		6		0							
Cooling			373			68			677			12		0		0		0		12		6		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							
								30.16				08				0912				Precip				Snowfall				Snow Depth			
								29.74				22				1553				1.80				0.0				0			
Date																27-28															
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 2018

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

Generated on 02/18/2019

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	SCT:04 120 OVC:08 250	10.00		68	20.0	67	19.6	67	19.4	96	9	270		28.87	6	+0.15	29.89	FM-15	0.00	29.92
01	0100	4		9.94		68	20.0	67	19.6	67	19.4	96	9	270		28.86	6	+0.15	29.89	FM-12		29.92
01	0153	7	BKN:07 150 OVC:08 250	10.00		68	20.0	67	19.3	66	18.9	93	10	240		28.87			29.88	FM-15	0.00	29.92
01	0253	7	BKN:07 150 BKN:07 250	10.00		67	19.4	66	19.1	66	18.9	97	7	240		28.89			29.91	FM-15	0.00	29.94
01	0353	7	SCT:04 150 BKN:07 250	10.00		66	18.9	65	18.5	65	18.3	96	5	210		28.90	3	-0.03	29.92	FM-15	0.00	29.95
01	0400	4		9.94		66	18.9	65	18.5	65	18.3	96	5	210		28.89	3	-0.03	29.92	FM-12		29.95
01	0453	7	SCT:04 150 BKN:07 250	10.00		65	18.3	64	18.0	64	17.8	97	3	210		28.90			29.92	FM-15	0.00	29.95
01	0551	6	FEW:02 2 SCT:04 35 BKN:07 250	10.00		66	19.0	65	18.2	64	18.0	94	3	250		28.92				FM-16		29.97
01	0553	7	FEW:02 2 SCT:04 35 BKN:07 250	10.00		66	18.9	65	18.5	65	18.3	96	3	260		28.92			29.94	FM-15	0.00	29.97
01	0653	7	BKN:07 6 OVC:08 32	10.00		67	19.4	66	19.1	66	18.9	97	3	230		28.93	3	-0.03	29.95	FM-15	0.00	29.98
01	0700	4	5	9.94		67	19.4	66	19.1	66	18.9	97	3	230		28.92	3	-0.03	29.95	FM-12		29.98
01	0753	7	BKN:07 6 OVC:08 24	9.00	-RA:02 RA RA	68	20.0	67	19.3	66	18.9	93	8	270		28.96			29.98	FM-15	0.01	30.01
01	0812	7	FEW:02 6 SCT:04 45 BKN:07 70	10.00	RA RA	69	20.6	68	19.8	67	19.4	93	6	190		28.95				FM-16	0.01	30.00
01	0853	7	FEW:02 12 SCT:04 35 BKN:07 120	10.00		71	21.7	69	20.6	68	20.0	90	10	180		28.93			29.94	FM-15	T	29.98
01	0953	7	SCT:04 35 BKN:07 120 BKN:07 250	10.00		75	23.9	71	21.7	69	20.6	82	11	220		28.90	8	+0.03	29.92	FM-15	0.00	29.95
01	1000	4	41	9.94		75	23.9	71	21.7	69	20.6	82	11	220		28.89	8	+0.03	29.92	FM-12		29.95
01	1053	7	SCT:04 25 BKN:07 120 BKN:07 250	10.00		77	25.0	72	22.0	69	20.6	77	15	240	28	28.91			29.93	FM-15	0.00	29.96
01	1153	7	SCT:04 25 BKN:07 120 BKN:07 250	10.00		75	23.9	70	21.3	68	20.0	79	13	240		28.91			29.93	FM-15	0.00	29.96
01	1253	7	SCT:04 30 BKN:07 110 BKN:07 250	10.00		76	24.4	71	21.5	68	20.0	77	7	270		28.90	0	-0.00	29.92	FM-15	0.00	29.95
01	1300	4	26	9.94		76	24.4	71	21.5	68	20.0	77	7	270		28.89	9	0.00	29.92	FM-12		29.95
01	1353	7	SCT:04 30 BKN:07 110 BKN:07 250	10.00		78	25.6	72	22.2	69	20.6	74	9	220		28.89			29.91	FM-15	0.00	29.94
01	1453	7	SCT:04 30 SCT:04 70 BKN:07 110	10.00		81	27.2	70	21.4	65	18.3	58	9	260		28.88			29.89	FM-15	0.00	29.93
01	1553	7	SCT:04 30 SCT:04 70 SCT:04 110	10.00		81	27.2	72	22.4	68	20.0	65	7	310		28.86	8	+0.04	29.88	FM-15	0.00	29.91
01	1600	4	26	9.94		81	27.2	72	22.4	68	20.0	65	7	310		28.85	8	+0.04	29.88	FM-12		29.91

01	1653	7	BKN:07 41 BKN:07 100 BKN:07 250	10.00		81	27.2	73	22.7	69	20.6	67	13	220		28.85			29.86	FM-15	0.00	29.90
01	1753	7	SCT:04 48 SCT:04 100 BKN:07 250	10.00		80	26.7	74	23.2	71	21.7	74	7	240		28.84			29.86	FM-15	0.00	29.89
01	1853	7	SCT:04 32 SCT:04 40 BKN:07 250	10.00		82	27.8	71	21.9	66	18.9	58	7	280		28.86	5	+0.01	29.87	FM-15	0.00	29.91
01	1900	4	26	9.94		82	27.8	71	21.9	66	18.9	58	7	280		28.85	5	+0.01	29.87	FM-12		29.91
01	1953	7	SCT:04 45 BKN:07 250	10.00		79	26.1	70	21.3	66	18.9	65	5	280		28.86			29.87	FM-15	0.00	29.91
01	2053	7	FEW:02 37 BKN:07 250	10.00		77	25.0	70	21.3	67	19.4	71	5	260		28.87			29.88	FM-15	0.00	29.92
01	2153	7	FEW:02 40 BKN:07 250	10.00		73	22.8	71	21.7	70	21.1	90	7	220		28.88	3	-0.02	29.89	FM-15	0.00	29.93
01	2200	4	41	9.94		73	22.8	71	21.7	70	21.1	90	7	220		28.87	3	-0.02	29.89	FM-12		29.93
01	2253	7	FEW:02 40 BKN:07 250	10.00		72	22.2	71	21.5	70	21.1	94	9	210		28.88			29.89	FM-15	0.00	29.93
01	2353	7	FEW:02 40 BKN:07 250	10.00		71	21.7	70	20.9	69	20.6	94	7	190		28.88			29.90	FM-15	0.00	29.93

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
June 2018

Generated on 02/18/2019

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

Date	Time (LST)	Remarks
01	0053	MET13006/01/18 00:53:02 METAR KTYS 010553Z 27008KT 10SM SCT120 OVC250 20/19 A2992 RMK AO2 SLP121 60009 T02000194 10233 20200 56051 (JTD)
01	0100	SYN08672326 12966 82708 10200 20194 39774 40121 56051 60021 90553 333 10272 20200 555 90106=
01	0153	MET10606/01/18 01:53:02 METAR KTYS 010653Z 24009KT 10SM BKN150 OVC250 20/19 A2992 RMK AO2 SLP120 T02000189 (JTD)
01	0253	MET10606/01/18 02:53:02 METAR KTYS 010753Z 24006KT 10SM BKN150 BKN250 19/19 A2994 RMK AO2 SLP129 T01940189 (JTD)
01	0353	MET11206/01/18 03:53:02 METAR KTYS 010853Z 21004KT 10SM SCT150 BKN250 19/18 A2995 RMK AO2 SLP133 T01890183 53010 (JTD)
01	0400	SYN06472326 32966 62104 10189 20183 39784 40133 53010 90853 555 90109=
01	0453	MET10606/01/18 04:53:02 METAR KTYS 010953Z 21003KT 10SM SCT150 BKN250 18/18 A2995 RMK AO2 SLP133 T01830178 (JTD)
01	0551	MET10106/01/18 05:51:02 SPECI KTYS 011051Z 25003KT 10SM FEW002 SCT035 BKN250 19/18 A2997 RMK AO2 FIBI (JTD)
01	0553	MET11306/01/18 05:53:02 METAR KTYS 011053Z 26003KT 10SM FEW002 SCT035 BKN250 19/18 A2997 RMK AO2 SLP138 T01890183 (JTD)
01	0653	MET13006/01/18 06:53:02 METAR KTYS 011153Z 23003KT 10SM BKN006 OVC032 19/19 A2998 RMK AO2 SLP143 70009 T01940189 10200 20183 53010 (JTD)
01	0700	SYN08672326 32266 82303 10194 20189 39794 40143 53010 91153 333 10272 20183 70023 555 90112=
01	0753	MET12006/01/18 07:53:02 METAR KTYS 011253Z 27007KT 9SM -RA BKN006 OVC024 20/19 A3001 RMK AO2 RAB43 SLP154 P0000 T02000189 (NS)
01	0812	MET11506/01/18 08:12:02 SPECI KTYS 011312Z 19005KT 10SM -RA FEW006 SCT045 BKN070 21/19 A3000 RMK AO2 P0001 T02060194 (NS)
01	0853	MET12406/01/18 08:53:02 METAR KTYS 011353Z 18009KT 10SM FEW012 SCT035 BKN120 22/20 A2998 RMK AO2 RAE18 SLP140 P0001 T02170200 (NS)
01	0953	MET12406/01/18 09:53:02 METAR KTYS 011453Z 22010KT 10SM SCT035 BKN120 BKN250 24/21 A2995 RMK AO2 SLP132 60001 T02390206 58010 (NS)
01	1000	SYN07072326 12666 62210 10239 20206 39784 40132 58010 69937 91453 555 90115=
01	1053	MET11506/01/18 10:53:02 METAR KTYS 011553Z 24013G24KT 10SM SCT025 BKN120 BKN250 25/21 A2996 RMK AO2 SLP136 T02500206 (NS)
01	1153	MET11206/01/18 11:53:02 METAR KTYS 011653Z 24011KT 10SM SCT025 BKN120 BKN250 24/20 A2996 RMK AO2 SLP135 T02390200 (NS)
01	1253	MET13606/01/18 12:53:02 METAR KTYS 011753Z 27006KT 10SM SCT030 BKN110 BKN250 24/20 A2995 RMK AO2 SLP133 60001 T02440200 10256 20194 50000 (NS)
01	1300	SYN08672326 12566 62706 10244 20200 39784 40133 50000 69931 91753 333 10256 20194 555 90118=
01	1353	MET11206/01/18 13:53:02 METAR KTYS 011853Z 22008KT 10SM SCT030 BKN110 BKN250 26/21 A2994 RMK AO2 SLP127 T02560206 (NS)
01	1453	MET11206/01/18 14:53:02 METAR KTYS 011953Z 26008KT 10SM SCT030 SCT070 BKN110 27/18 A2993 RMK AO2 SLP123 T02720183 (NS)
01	1553	MET11906/01/18 15:53:02 METAR KTYS 012053Z 31006KT 10SM SCT030 SCT070 SCT110 27/20 A2991 RMK AO2 SLP117 T02720200 58014 (ALG)
01	1600	SYN06472326 32566 63106 10272 20200 39771 40117 58014 92053 555 90121=
01	1653	MET11306/01/18 16:53:02 METAR KTYS 012153Z 22011KT 10SM BKN041 BKN100 BKN250 27/21 A2990 RMK AO2 SLP113 T02720206 (ALG)
01	1753	MET11306/01/18 17:53:02 METAR KTYS 012253Z 24006KT 10SM SCT048 SCT100 BKN250 27/22 A2989 RMK AO2 SLP112 T02670217 (ALG)
01	1853	MET13106/01/18 18:53:02 METAR KTYS 012353Z 28006KT 10SM SCT032 SCT040 BKN250 28/19 A2991 RMK AO2 SLP116 T02780189 10283 20239 55002 (ALG)
01	1900	SYN08072326 32566 62806 10278 20189 39771 40116 55002 92353 333 10283 20183 555 90200=
01	1953	MET10006/01/18 19:53:01 METAR KTYS 020053Z 28004KT 10SM SCT045 BKN250 26/19 A2991 RMK AO2 SLP116 T02610189
01	2053	MET12606/01/18 20:53:01 METAR KTYS 020153Z 26004KT 10SM FEW037 BKN250 25/19 A2992 RMK AO2 SLP119 OCNL LTG DSNT E CB DSNT E T02500194
01	2153	MET10606/01/18 21:53:02 METAR KTYS 020253Z 22006KT 10SM FEW040 BKN250 23/21 A2993 RMK AO2 SLP123 T02280211 53007
01	2200	SYN06472326 32666 62206 10228 20211 39777 40123 53007 90253 555 90203=
01	2253	MET10006/01/18 22:53:01 METAR KTYS 020353Z 21008KT 10SM FEW040 BKN250 22/21 A2993 RMK AO2 SLP123 T02220211
01	2353	MET11006/01/18 23:53:01 METAR KTYS 020453Z 19006KT 10SM FEW040 BKN250 22/21 A2993 RMK AO2 SLP124 T02170206 402830183

Local Climatological Data
Hourly Precipitation
June 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								0.01	T																01
02													0.01	T			0.01		T						02
03																0.01	0.01								03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10																	0.05	0.01							10
11		0.01	T	0.01																					11
12																									12
13																									13
14																									14
15																									15
16																									16
17																	T	T							17
18																									18
19																									19
20																									20
21								T	T	T		T	0.15s	0.24	0.07	0.01	T								21
22																T	T	0.03	0.02				T	T	22
23																									23
24					T	T			0.05	T					0.05		0.31	0.24	T	T					24
25													0.36s	T	0.09	0.07	T	T							25
26																0.02	0.26	0.06	0.09	0.01	T	T			26
27					0.05	T	0.02	T			T	T	0.49s	0.13	0.11	0.06	T		T						27
28			0.06	0.04	0.23	0.49	0.03	0.14	T	0.02															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)	0.23	0.36	0.40	0.42	0.42	0.43	0.53	0.72	0.73	0.73	0.81	0.88
Ending Date Time (yyyy-mm-dd hh:mi)	2018-06-28 05:51	2018-06-28 05:56	2018-06-28 05:59	2018-06-28 06:02	2018-06-28 06:02	2018-06-28 06:27	2018-06-28 05:51	2018-06-28 06:02	2018-06-28 06:27	2018-06-28 06:27	2018-06-28 07:20	2018-06-28 07:40

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