

Local Climatological Data Daily Summary June 2018

Generated on 07/24/2018

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		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	85	67	76	4.6				0	11	0522	1948	RA BR	0.20			28.98		3.3	15	230	9	270								
02	89	67	78	6.3				0	13	0521	1949	RA BR	0.07			28.94		1.3	12	280	8	270								
03	91	67	79	7.0				0	14	0521	1949		0.00			28.93		2.8	20	280	12	290								
04	86	59	73	0.7				0	8	0521	1950		0.00			29.00		2.1	19	280	13	270								
05	84	58	71	-1.6				0	6	0520	1951		0.00			28.96		0.9	15	060	9	070								
06	88	58*	73	0.1				0	8	0520	1951		0.00			28.95		2.2	12	260	7	310								
07	89	59	74	0.8				0	9	0520	1952		0.00			29.07		1.1	11	080	7	070								
08	91	61	76	2.6				0	11	0520	1952		0.00			29.18		1.3	12	150	8	270								
09	91	67	79	5.3				0	14	0520	1953		0.00			29.14		2.5	15	340	9	320								
10	89	67	78	4.0				0	13	0520	1953	RA	T			29.03		2.2	25	280	14	270								
11	86	70	78	3.7				0	13	0520	1954	RA	T			29.00		1.6	15	010	9	010								
12	89	67	78	3.5				0	13	0520	1954	BR	0.00			29.08		4.0	17	200	9	210								
13	86	72	79	4.2				0	14	0520	1954	RA BR HZ	0.03			29.08		3.9	15	260	12	270								
14	93	70	82	7.0				0	17	0520	1955	BR	0.00			29.07		1.0	12	320	8	310								
15	94	68	81	5.7				0	16	0520	1955		0.00			29.05		1.2	13	070	8	080								
16	96	66	81	5.5				0	16	0520	1956		0.00			29.08		1.4	13	010	8	100								
17	95	71	83	7.3				0	18	0520	1956		0.02			29.15		2.4	23	140	15	110								
18	96*	70	83	7.1				0	18	0520	1956		0.00			29.16		1.4	16	280	12	280								
19	95	72	83	6.9				0	18	0520	1956		0.00			29.08		1.9	15	330	9	280								
20	92	71	82	5.7				0	17	0520	1957	RA	0.06			29.00		2.1	19	260	12	270								
21	82	73	78	1.5				0	13	0520	1957	RA BR	0.10			28.91		2.8	15	210	9	190								
22	87	70	79	2.3				0	14	0521	1957	RA	T			28.85		4.4	21	230	13	210								
23	89	70	80	3.1				0	15	0521	1957	RA	T			28.92		4.7	21	220	13	170								
24	92	71	82	5.0				0	17	0521	1957	RA FG BR	0.63			29.02		2.6	16	200	9	250								
25	84	70	77	-0.2				0	12	0521	1958	RA FG BR	0.39			29.11		1.2	17	300	9	320								
26	90	69	80	2.6				0	15	0522	1958	RA BR	0.40			29.16		2.7	22	350	14	350								
27	73	68	71	-6.5				0	6	0522	1958	RA BR	0.89			29.08		2.1	17	280	9	280								
28	77	67	72	-5.6				0	7	0522	1958	RA FG BR	1.82			29.03		2.7	18	160	12	170								
29	92	71	82	4.3				0	17	0523	1958	BR	0.00			29.08		1.5	9	080	7	080								
30	95	71	83	5.2				0	18	0523	1958	BR	0.00			29.10		1.2	12	050	8	080								
Monthly Averages Totals													4.61			29.04	29.97	2.2												
Departure from Normal (1981-2010)													0.33																	
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		-2		3557		>=90°		<=32°		<=32°		<=0°		11		7												
Cooling		396		91		717		14		0		0		0		11		7												
Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure							Greatest...																
2007-03-22							Maximum			30.17			Date			08			Time			0909			24-Hr...			Snow Depth		
							Minimum			29.73			22			1537			2.60s			Snowfall								
Date														27-28																
Station Augmentation																														
Name:OAK RIDGE ATDD, TN Lat: 35.998 Lon: -84.2192 Elevation: 1019ft Distance: 1.5mi SW Elements: TEMP, PRECIP, SNOW Equipment: PRECIP-MODEL TRP525M, TEMP-VAISALA HMP35C, SNOWBOARD, SNOWSTICK																														

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data, and Information Service
Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W
Station: OAK RIDGE ASOS, TN US 53868

Local Climatological Data Hourly Observations June 2018

Generated on 07/24/2018

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	CLR:00	10.00		68	20.0	68	20.0	68	20.0	100	7	250		28.99	6	+0.09	29.92	FM-15	0.00	29.96
01	0153	7	CLR:00	10.00		68	20.0	68	20.0	68	20.0	100	3	VRB		28.97			29.90	FM-15	0.00	29.94
01	0253	7	CLR:00	10.00		67	19.4	67	19.4	67	19.4	100	0	000		28.99			29.92	FM-15	0.00	29.96
01	0353	7	CLR:00	10.00		67	19.4	67	19.4	67	19.4	100	3	200		28.99	3	-0.00	29.92	FM-15	0.00	29.96
01	0453	7	BKN:07 41	10.00		67	19.4	67	19.4	67	19.4	100	3	VRB		29.00			29.93	FM-15	0.00	29.97
01	0523	7	SCT:04 8 BKN:07 35 BKN:07 42	10.00		67	19.4	67	19.4	67	19.4	100	3	200		29.01				FM-16		29.98
01	0543	7	BKN:07 6 OVC:08 35	10.00		67	19.4	67	19.4	67	19.4	100	3	VRB		29.01				FM-16		29.98
01	0553	7	BKN:07 7 BKN:07 33 BKN:07 42	10.00		67	19.4	67	19.4	67	19.4	100	0	000		29.01			29.95	FM-15	0.00	29.98
01	0628	7	SCT:04 8 SCT:04 15 OVC:08 29	10.00		68	20.0	68	20.0	68	20.0	100	5	VRB		29.02				FM-16		29.99
01	0648	7	OVC:08 31	10.00		68	20.0	68	20.0	68	20.0	100	3	VRB		29.03				FM-16		30.00
01	0653	7	OVC:08 31	10.00		68	20.0	68	20.0	68	20.0	100	3	240		29.02	0	-0.03	29.96	FM-15	0.00	29.99
01	0714	7	BKN:07 33 OVC:08 41	1.75	+RA:02 BR:1 RA RA	68	20.0	68	20.0	68	20.0	100	5	260		29.04				FM-16	0.03	30.01
01	0723	7	FEW:02 32 OVC:08 42	0.75	+RA:02 BR:1 RA RA	67	19.4	67	19.4	67	19.4	100	3	VRB		29.04				FM-16	0.12	30.01
01	0733	7	FEW:02 32 BKN:07 49 OVC:08 90	2.00	-RA:02 BR:1 RA RA	67	19.4	67	19.4	67	19.4	100	0	000		29.04				FM-16	0.18	30.01
01	0741	7	SCT:04 46 SCT:04 65 OVC:08 90	10.00	-RA:02 RA RA	67	19.4	67	19.4	67	19.4	100	5	210		29.05				FM-16	0.19	30.02
01	0751	6	FEW:02 8 BKN:07 85 OVC:08 100	10.00		68	20.0	68	20.0	68	20.0	100	0	000		29.05				FM-16		30.02
01	0753	7	FEW:02 8 BKN:07 85 OVC:08 100	10.00		68	20.0	68	20.0	68	20.0	100	3	220		29.05			29.98	FM-15	0.19	30.02
01	0851	6	BKN:07 8 BKN:07 50 OVC:08 110	10.00	-RA:02 RA RA	70	21.0	70	21.1	70	21.0	100	0	000		29.00				FM-16		29.97
01	0853	7	BKN:07 8 BKN:07 50 OVC:08 110	10.00	-RA:02 RA RA	70	21.1	70	21.1	70	21.1	100	3	VRB		29.00			29.93	FM-15	0.01	29.97
01	0951	6	BKN:07 10 OVC:08 13	10.00		72	22.0	71	21.5	70	21.0	94	6	VRB		29.01				FM-16		29.98
01	0953	7	BKN:07 10 OVC:08 13	10.00		72	22.2	71	21.5	70	21.1	94	6	VRB		29.01	5	+0.03	29.95	FM-15	0.00	29.98
01	1009	7	BKN:07 9 OVC:08 14	10.00		71	21.7	70	21.3	70	21.1	96	7	270		29.02				FM-16		29.99
01	1016	7	FEW:02 9 BKN:07 14 OVC:08 22	10.00		71	21.7	70	21.3	70	21.1	96	6	260		29.02				FM-16		29.99
01	1028	7	FEW:02 9 BKN:07 33 OVC:08 45	10.00		73	22.8	71	21.7	70	21.1	90	5	VRB		29.01				FM-16		29.98

01	1053	7	FEW:02 16 SCT:04 43 SCT:04 120	10.00		77	25.0	73	22.7	71	21.7	82	3	VRB		29.00			29.93	FM-15	0.00	29.97
01	1115	7	FEW:02 17 BKN:07 23 BKN:07 120	10.00		76	24.4	73	22.6	71	21.7	85	3	VRB		29.00				FM-16		29.97
01	1125	7	FEW:02 18 SCT:04 23 SCT:04 120	10.00		76	24.4	72	22.2	70	21.1	82	5	VRB		28.99				FM-16		29.96
01	1153	7	FEW:02 17 SCT:04 23 BKN:07 110	10.00		74	23.3	71	21.8	70	21.1	88	3	VRB		29.00			29.94	FM-15	0.00	29.97
01	1253	7	FEW:02 22	10.00		75	23.9	72	22.0	70	21.1	84	3	VRB		29.00	6	+0.01	29.93	FM-15	0.00	29.97
01	1353	7	FEW:02 18	10.00		78	25.6	73	22.9	71	21.7	79	5	VRB		28.98			29.91	FM-15	0.00	29.95
01	1453	7	CLR:00	10.00		81	27.2	73	22.7	69	20.6	67	7	VRB		28.97			29.90	FM-15	0.00	29.94
01	1553	7	FEW:02 46	10.00		83	28.3	73	23.0	69	20.6	63	3	VRB		28.95	8	+0.05	29.88	FM-15	0.00	29.92
01	1653	7	CLR:00	10.00		83	28.3	73	23.0	69	20.6	63	6	VRB		28.94			29.87	FM-15	0.00	29.91
01	1753	7	FEW:02 39 FEW:02 48	10.00		84	28.9	71	21.9	65	18.3	53	8	270		28.94			29.87	FM-15	0.00	29.91
01	1853	7	CLR:00	10.00		82	27.8	71	21.5	65	18.3	56	6	VRB		28.95	3	-0.00	29.88	FM-15	0.00	29.92
01	1953	7	CLR:00	10.00		77	25.0	70	21.3	67	19.4	71	0	000		28.96			29.88	FM-15	0.00	29.93
01	2053	7	CLR:00	10.00		75	23.9	70	21.3	68	20.0	79	0	000		28.96			29.89	FM-15	0.00	29.93
01	2153	7	CLR:00	10.00		72	22.2	69	20.8	68	20.0	87	0	000		28.98	3	-0.02	29.91	FM-15	0.00	29.95
01	2253	7	CLR:00	10.00		71	21.7	69	20.6	68	20.0	90	0	000		28.96			29.89	FM-15	0.00	29.93
01	2353	7	CLR:00	10.00		69	20.6	68	19.8	67	19.4	93	0	000		28.97			29.91	FM-15	0.00	29.94

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National Environmental Satellite, Data, and Information Service
Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W
Station: OAK RIDGE ASOS, TN US 53868

Local Climatological Data
Hourly Remarks
June 2018

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

Generated on 07/24/2018

Date	Time (LST)	Remarks
01	0053	MET11406/01/18 00:53:02 METAR KOQT 010553Z 25006KT 10SM CLR 20/20 A2996 RMK AO2 SLP131 60013 T02000200 10217 20200 56031
01	0153	MET09006/01/18 01:53:02 METAR KOQT 010653Z VRB03KT 10SM CLR 20/20 A2994 RMK AO2 SLP124 T02000200
01	0253	MET09006/01/18 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 19/19 A2996 RMK AO2 SLP132 T01940194
01	0353	MET09606/01/18 03:53:02 METAR KOQT 010853Z 20003KT 10SM CLR 19/19 A2996 RMK AO2 SLP132 T01940194 53001
01	0453	MET09306/01/18 04:53:02 METAR KOQT 010953Z VRB03KT 10SM BKN041 19/19 A2997 RMK AO2 SLP134 T01940194
01	0523	MET10406/01/18 05:23:02 SPECI KOQT 011023Z 20003KT 10SM SCT008 BKN035 BKN042 19/19 A2998 RMK AO2 T01940194 RTX
01	0543	MET09706/01/18 05:43:02 SPECI KOQT 011043Z VRB03KT 10SM BKN006 OVC035 19/19 A2998 RMK AO2 T01940194 RTX
01	0553	MET12806/01/18 05:53:02 METAR KOQT 011053Z 00000KT 10SM BKN007 BKN033 BKN042 19/19 A2998 RMK AO2 CIG 004V009 SLP141 T01940194 RTX FIBI
01	0628	MET10406/01/18 06:28:02 SPECI KOQT 011128Z VRB04KT 10SM SCT008 SCT015 OVC029 20/20 A2999 RMK AO2 T02000200 RTX
01	0648	MET08506/01/18 06:48:02 SPECI KOQT 011148Z VRB03KT 10SM OVC031 20/20 A3000 RMK AO2 RTX FIBI
01	0653	MET11706/01/18 06:53:02 METAR KOQT 011153Z 24003KT 10SM OVC031 20/20 A2999 RMK AO2 SLP145 70045 T02000200 10200 20194 50009
01	0714	MET11906/01/18 07:14:02 SPECI KOQT 011214Z 26004KT 1 3/4SM +RA BR BKN033 OVC041 20/20 A3001 RMK AO2 RAB01 P0003 T02000200 RTX
01	0723	MET11706/01/18 07:23:02 SPECI KOQT 011223Z VRB03KT 3/4SM +RA BR FEW032 OVC042 19/19 A3001 RMK AO2 RAB01 P0012 T01940194 RTX
01	0733	MET11806/01/18 07:33:02 SPECI KOQT 011233Z 00000KT 2SM -RA BR FEW032 BKN049 OVC090 19/19 A3001 RMK AO2 RAB01 P0018 T01940194
01	0741	MET11606/01/18 07:41:02 SPECI KOQT 011241Z 21004KT 10SM -RA SCT046 SCT065 OVC090 19/19 A3002 RMK AO2 RAB01 P0019 T01940194
01	0751	MET11006/01/18 07:51:02 SPECI KOQT 011251Z 00000KT 10SM FEW008 BKN085 OVC100 20/20 A3002 RMK AO2 RAB01E49 P0019 FIBI
01	0753	MET12206/01/18 07:53:02 METAR KOQT 011253Z 22003KT 10SM FEW008 BKN085 OVC100 20/20 A3002 RMK AO2 RAB01E49 SLP154 P0019 T02000200
01	0851	MET11306/01/18 08:51:02 SPECI KOQT 011351Z 00000KT 10SM -RA BKN008 BKN050 OVC110 21/21 A2997 RMK AO2 RAB1255 P0001 FIBI
01	0853	MET12506/01/18 08:53:02 METAR KOQT 011353Z VRB03KT 10SM -RA BKN008 BKN050 OVC110 21/21 A2997 RMK AO2 RAB1255 SLP136 P0001 T02110211
01	0951	MET11406/01/18 09:51:02 SPECI KOQT 011451Z VRB05KT 10SM BKN010 OVC013 22/21 A2998 RMK AO2 RAE1356 CIG 007V012 P0000 FIBI
01	0953	MET13806/01/18 09:53:02 METAR KOQT 011453Z VRB05KT 10SM BKN010 OVC013 22/21 A2998 RMK AO2 RAE1356 CIG 007V013 SLP142 P0000 60020 T02220211 55011
01	1009	MET10906/01/18 10:09:02 SPECI KOQT 011509Z 27006KT 10SM BKN009 OVC014 22/21 A2999 RMK AO2 CIG 008V013 T02170211 RTX
01	1016	MET10006/01/18 10:16:02 SPECI KOQT 011516Z 26005KT 10SM FEW009 BKN014 OVC022 22/21 A2999 RMK AO2 T02170211
01	1028	MET10406/01/18 10:28:02 SPECI KOQT 011528Z VRB04KT 10SM FEW009 BKN033 OVC045 23/21 A2998 RMK AO2 T02280211 RTX
01	1053	MET10706/01/18 10:53:02 METAR KOQT 011553Z VRB03KT 10SM FEW016 SCT043 SCT120 25/22 A2997 RMK AO2 SLP135 T02500217
01	1115	MET10406/01/18 11:15:02 SPECI KOQT 011615Z VRB03KT 10SM FEW017 BKN023 BKN120 24/22 A2997 RMK AO2 T02440217 RTX
01	1125	MET10406/01/18 11:25:02 SPECI KOQT 011625Z VRB04KT 10SM FEW018 SCT023 SCT120 24/21 A2996 RMK AO2 T02440211 RTX
01	1153	MET10706/01/18 11:53:02 METAR KOQT 011653Z VRB03KT 10SM FEW017 SCT023 BKN110 23/21 A2997 RMK AO2 SLP139 T02330211
01	1253	MET11706/01/18 12:53:02 METAR KOQT 011753Z VRB03KT 10SM FEW022 24/21 A2997 RMK AO2 SLP135 60020 T02390211 10250 20194 56005
01	1353	MET09306/01/18 13:53:02 METAR KOQT 011853Z VRB04KT 10SM FEW018 26/22 A2995 RMK AO2 SLP129 T02560217
01	1453	MET09006/01/18 14:53:02 METAR KOQT 011953Z VRB06KT 10SM CLR 27/21 A2994 RMK AO2 SLP126 T02720206
01	1553	MET09906/01/18 15:53:02 METAR KOQT 012053Z VRB03KT 10SM FEW046 28/21 A2992 RMK AO2 SLP117 T02830206 58016
01	1653	MET09006/01/18 16:53:02 METAR KOQT 012153Z VRB05KT 10SM CLR 28/21 A2991 RMK AO2 SLP115 T02830206
01	1753	MET10006/01/18 17:53:02 METAR KOQT 012253Z 27007KT 10SM FEW039 FEW048 29/18 A2991 RMK AO2 SLP114 T02890183
01	1853	MET10806/01/18 18:53:02 METAR KOQT 012353Z VRB05KT 10SM CLR 28/18 A2992 RMK AO2 SLP118 T02780183 10294 20239 53001
01	1953	MET09006/01/18 19:53:01 METAR KOQT 020053Z 00000KT 10SM CLR 25/19 A2993 RMK AO2 SLP120 T02500194
01	2053	MET09006/01/18 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 24/20 A2993 RMK AO2 SLP123 T02390200
01	2153	MET09606/01/18 21:53:02 METAR KOQT 020253Z 00000KT 10SM CLR 22/20 A2995 RMK AO2 SLP128 T02220200 53007
01	2253	MET09006/01/18 22:53:01 METAR KOQT 020353Z 00000KT 10SM CLR 22/20 A2993 RMK AO2 SLP122 T02170200
01	2353	MET10006/01/18 23:53:01 METAR KOQT 020453Z 00000KT 10SM CLR 21/19 A2994 RMK AO2 SLP127 T02060194 402940194

Local Climatological Data
Hourly Precipitation
June 2018

Generated on 07/24/2018

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								0.19	0.01																01
02														T		0.07									02
03																									03
04																									04
05																									05
06																									06
07																									07
08																									08
09																									09
10														T											10
11	T	T								T	T														11
12																									12
13														T	0.03	T									13
14																									14
15																									15
16																									16
17																	T	0.02							17
18																									18
19																									19
20								T							0.06										20
21					T			T	T		0.01	0.04	0.05	T						T			T		21
22														T											22
23																T	T								23
24		T	T													0.20	0.43	T	T						24
25												0.19	T	0.15	0.02	T			0.03	T					25
26				0.10													0.17	0.06	0.04	0.03					26
27	0.07		T	T	0.01	0.03	0.01	T		T	0.20	0.13	0.16	0.20	0.04	T								0.01	27
28	0.03	T	0.03	0.60	0.20	M	M	T	0.80	0.01	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)	0.38	0.44	0.58	0.60	0.73	0.80	0.81	0.81	0.81	0.88	0.88	0.90
Ending Date Time (yyyy-mm-dd hh:mi)	2018-06-28 03:23	2018-06-28 08:28	2018-06-28 03:33	2018-06-28 03:34	2018-06-28 08:47	2018-06-28 08:53	2018-06-28 09:08	2018-06-28 09:08	2018-06-28 09:08	2018-06-28 05:17	2018-06-28 05:17	2018-06-28 05:17

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