

Local Climatological Data Daily Summary April 2018

Generated on 05/07/2018

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	71	46	58	3.0				7	0	0624	1859		T			29.11		1.2	13	190	9	190					
02	72	53	62	6.7				3	0	0622	1900		0.00			28.99		1.9	13	280	8	260					
03	77	49	63	7.5				2	0	0621	1900	RA	0.07			28.92		6.3	37	200	22	210					
04	72s	40	56s	0.2s				9s	0s	0619	1901	RA BR	0.41			29.05		5.9	29	290	21	270					
05	61	31	46	-10.1				19	0	0618	1902		0.00			29.24		2.1	13	070	9	060					
06	58	37	48	-8.3				17	0	0617	1903	RA BR	0.72			29.05		2.6	18	210	14	190					
07	50	36	43	-13.6				22	0	0615	1904	RA BR	0.14			28.92		4.2	16	020	9	060					
08	50	29*	40	-16.9				25	0	0614	1905		0.00			29.04		2.7	16	360	9	080					
09	57	40	48	-9.1				17	0	0612	1905	RA BR	0.12			29.06		0.9	8	080	6	050					
10	64	35	50	-7.4				15	0	0611	1906		0.00			29.21		2.7	14	080	9	290					
11	66	34	50	-7.6				15	0	0610	1907		0.00			29.21		2.1	*		7	099					
12	79	44	62	4.1				3	0	0608	1908		0.00			29.11		5.9	29	180	18	190					
13	81	55	68	9.9				0	3	0607	1909		0.00			29.05		5.7	32	220	21	210					
14	78	58	68	9.6				0	3	0606	1910	RA BR	0.10			28.96		5.1	28	180	21	190					
15	63	42	52	-6.7				13	0	0604	1910	RA BR	1.10			28.80		4.5	22	090	13	260					
16	42	33	38	-20.9				27	0	0603	1911	RA SN UP	0.03			28.98		7.2	28	260	17	270					
17	71	31	51	-8.2				14	0	0602	1912		0.00			29.03		3.7	22	270	13	260					
18	82*	46	64	4.6				1	0	0600	1913		0.00			28.89		5.6	27	260	17	210					
19	68	42	55	-4.7				10	0	0559	1914	RA	0.01			29.11		5.7	21	300	14	330					
20	68	33	50	-9.9				15	0	0558	1915		0.00			29.37		3.2	17	060	13	080					
21	74	40	57	-3.2				8	0	0556	1915		0.00			29.32		1.5	13	080	9	080					
22	68	48	58	-2.4				7	0	0555	1916	RA	0.09			29.23		0.6	10	050	7	060					
23	61	54	58	-2.7				7	0	0554	1917	RA BR	0.63			29.05		3.1	20	070	15	060					
24	68	54	61	0.1				4	0	0553	1918	RA BR	0.87			28.90		2.0	24	290	15	290					
25	63	53	58	-3.2				7	0	0552	1919	RA BR	0.01			28.95		2.4	16	320	10	270					
26	58	49	54	-7.4				11	0	0550	1920	RA FG BR	0.12			28.94		0.1	7	360	5	070					
27	74	48	61	-0.7				4	0	0549	1921	FG BR	0.00			28.89		2.8	19	270	13	280					
28	78	45	62	0.1				3	0	0548	1921		0.00			28.96		4.2	24	280	16	280					
29	67	43	55	-7.2				10	0	0547	1922		0.00			29.23		3.5	18	060	12	090					
30	77	38	58	-4.4				7	0	0546	1923		0.00			29.29		1.9	14	280	9	270					
	67.3	42.9	55.1										4.42s			29.07	30.04										
	-3.3	-4.0	-3.7										0.24s														
	Departure from Normal (1981-2010)																										
	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		Cooling		0		0		3		0		14		9												
	Date of 5-sec to 3-sec wind equipment change							Sea Level Pressure					Greatest...														
	2007-03-22							Maximum		30.45		Date		20		Time		0952		24-Hr...		Snow Depth					
								Minimum		29.64				15				1.19s		Snowfall							
								Date																			
								14-15																			
	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 April 2018

Generated on 05/07/2018

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

Date	Time (LST)	Station Type	Sky Conditions	Visibility	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)	(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		50	10.0	45	7.4	40	4.4	68	0	000		29.16	1	-0.01	30.14	FM-15	0.00	30.14
01	0153	7	CLR:00	10.00		47	8.3	44	6.5	40	4.4	77	0	000		29.16			30.14	FM-15	0.00	30.14
01	0253	7	CLR:00	10.00		47	8.3	43	6.3	39	3.9	74	0	000		29.15			30.13	FM-15	0.00	30.13
01	0353	7	SCT:04 110	10.00		48	8.9	44	6.8	40	4.4	74	0	000		29.16	6	+0.01	30.13	FM-15	0.00	30.14
01	0453	7	BKN:07 100	10.00		49	9.4	46	7.6	42	5.6	77	0	000		29.16			30.13	FM-15	0.00	30.14
01	0553	7	BKN:07 80 OVC:08 100	10.00		50	10.0	46	7.9	42	5.6	74	3	180		29.17			30.14	FM-15	0.00	30.15
01	0653	7	OVC:08 80	10.00		51	10.6	47	8.1	42	5.6	71	0	000		29.19	3	-0.03	30.16	FM-15	0.00	30.17
01	0753	7	OVC:08 80	10.00		54	12.2	48	8.7	41	5.0	62	0	000		29.19			30.17	FM-15	0.00	30.17
01	0853	7	SCT:04 75 SCT:04 90	10.00		57	13.9	48	8.8	38	3.3	49	3	VRB		29.19			30.16	FM-15	0.00	30.17
01	0953	7	CLR:00	10.00		60	15.6	50	10.0	40	4.4	47	7	200		29.17	8	+0.01	30.14	FM-15	0.00	30.15
01	1053	7	FEW:02 100 SCT:04 120	10.00		64	17.8	52	11.0	40	4.4	41	6	240		29.15			30.12	FM-15	0.00	30.13
01	1153	7	SCT:04 75 BKN:07 90 OVC:08 120	10.00		66	18.9	53	11.7	41	5.0	40	6	300		29.14			30.11	FM-15	0.00	30.12
01	1253	7	SCT:04 70 SCT:04 85 BKN:07 120	10.00		66	18.9	53	11.7	41	5.0	40	3	290		29.13	6	+0.04	30.10	FM-15	0.00	30.11
01	1353	7	SCT:04 120	10.00		70	21.1	55	12.9	42	5.6	37	0	000		29.10			30.06	FM-15	0.00	30.08
01	1453	7	BKN:07 70 OVC:08 100	10.00		71	21.7	56	13.3	43	6.1	36	0	000		29.07			30.03	FM-15	0.00	30.04
01	1553	7	OVC:08 70	10.00		70	21.1	56	13.1	43	6.1	38	0	000		29.05	6	+0.09	30.01	FM-15	0.00	30.02
01	1653	7	OVC:08 70	10.00		68	20.0	56	13.1	45	7.2	44	0	000		29.03			29.98	FM-15	0.00	30.00
01	1753	7	OVC:08 75	10.00		68	20.0	56	13.6	47	8.3	47	0	000		29.01			29.97	FM-15	0.00	29.98
01	1853	7	BKN:07 85 OVC:08 110	10.00		65	18.3	57	13.7	50	10.0	59	0	000		29.00	6	+0.05	29.96	FM-15	0.00	29.97
01	1953	7	SCT:04 90 OVC:08 120	10.00		63	17.2	56	13.2	50	10.0	63	0	000		28.99			29.95	FM-15	0.00	29.96
01	2053	7	FEW:02 120	10.00		61	16.1	55	13.1	51	10.6	70	0	000		28.99			29.95	FM-15	0.00	29.96
01	2153	7	BKN:07 120	10.00		60	15.6	55	12.8	51	10.6	72	0	000		29.00	5	+0.00	29.95	FM-15	0.00	29.97
01	2253	7	OVC:08 110	10.00		60	15.6	55	12.5	50	10.0	70	0	000		29.00			29.95	FM-15	0.00	29.97
01	2353	7	SCT:04 110	10.00		58	14.4	55	12.6	52	11.1	81	0	000		28.98			29.93	FM-15	T	29.95

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 Remarks
April 2018

Generated on 05/07/2018

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

Date	Time (LST)	Remarks
01	0053	MET10804/01/18 00:53:02 METAR KOQT 010553Z 00000KT 10SM CLR 10/04 A3014 RMK AO2 SLP206 T01000044 10178 20094 51003
01	0153	MET09004/01/18 01:53:02 METAR KOQT 010653Z 00000KT 10SM CLR 08/04 A3014 RMK AO2 SLP205 T00830044
01	0253	MET09004/01/18 02:53:02 METAR KOQT 010753Z 00000KT 10SM CLR 08/04 A3013 RMK AO2 SLP203 T00830039
01	0353	MET09904/01/18 03:53:02 METAR KOQT 010853Z 00000KT 10SM SCT110 09/04 A3014 RMK AO2 SLP202 T00890044 56003
01	0453	MET09304/01/18 04:53:02 METAR KOQT 010953Z 00000KT 10SM BKN100 09/06 A3014 RMK AO2 SLP203 T00940056
01	0553	MET10004/01/18 05:53:02 METAR KOQT 011053Z 18003KT 10SM BKN080 OVC100 10/06 A3015 RMK AO2 SLP207 T01000056
01	0653	MET11104/01/18 06:53:02 METAR KOQT 011153Z 00000KT 10SM OVC080 11/06 A3017 RMK AO2 SLP213 T01060056 10106 20078 53011
01	0753	MET09304/01/18 07:53:02 METAR KOQT 011253Z 00000KT 10SM OVC080 12/05 A3017 RMK AO2 SLP217 T01220050
01	0853	MET10004/01/18 08:53:02 METAR KOQT 011353Z VRB03KT 10SM SCT075 SCT090 14/03 A3017 RMK AO2 SLP215 T01390033
01	0953	MET09604/01/18 09:53:02 METAR KOQT 011453Z 20006KT 10SM CLR 16/04 A3015 RMK AO2 SLP207 T01560044 58005
01	1053	MET10004/01/18 10:53:02 METAR KOQT 011553Z 24005KT 10SM FEW100 SCT120 18/04 A3013 RMK AO2 SLP201 T01780044
01	1153	MET10704/01/18 11:53:02 METAR KOQT 011653Z 30005KT 10SM SCT075 BKN090 OVC120 19/05 A3012 RMK AO2 SLP198 T01890050
01	1253	MET12504/01/18 12:53:02 METAR KOQT 011753Z 29003KT 10SM SCT070 SCT085 BKN120 19/05 A3011 RMK AO2 SLP193 T01890050 10194 20106 56015
01	1353	MET09304/01/18 13:53:02 METAR KOQT 011853Z 00000KT 10SM SCT120 21/06 A3008 RMK AO2 SLP181 T02110056
01	1453	MET10004/01/18 14:53:02 METAR KOQT 011953Z 00000KT 10SM BKN070 OVC100 22/06 A3004 RMK AO2 SLP170 T02170061
01	1553	MET09904/01/18 15:53:02 METAR KOQT 012053Z 00000KT 10SM OVC070 21/06 A3002 RMK AO2 SLP162 T02110061 56029
01	1653	MET09304/01/18 16:53:02 METAR KOQT 012153Z 00000KT 10SM OVC070 20/07 A3000 RMK AO2 SLP154 T02000072
01	1753	MET09304/01/18 17:53:02 METAR KOQT 012253Z 00000KT 10SM OVC075 20/08 A2998 RMK AO2 SLP150 T02000083
01	1853	MET11804/01/18 18:53:02 METAR KOQT 012353Z 00000KT 10SM BKN085 OVC110 18/10 A2997 RMK AO2 SLP145 T01830100 10217 20183 56018
01	1953	MET10004/01/18 19:53:01 METAR KOQT 020053Z 00000KT 10SM SCT090 OVC120 17/10 A2996 RMK AO2 SLP143 T01720100
01	2053	MET09304/01/18 20:53:02 METAR KOQT 020153Z 00000KT 10SM FEW120 16/11 A2996 RMK AO2 SLP142 T01610106
01	2153	MET09904/01/18 21:53:02 METAR KOQT 020253Z 00000KT 10SM BKN120 16/11 A2997 RMK AO2 SLP142 T01560106 55001
01	2253	MET09304/01/18 22:53:01 METAR KOQT 020353Z 00000KT 10SM OVC110 16/10 A2997 RMK AO2 SLP143 T01560100
01	2353	MET11804/01/18 23:53:02 METAR KOQT 020453Z 00000KT 10SM SCT110 14/11 A2995 RMK AO2 RAB14E31 SLP137 P0000 T01440111 402170078

Local Climatological Data
Hourly Precipitation
April 2018

Generated on 05/07/2018

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	01	
02																										02
03							T			T	0.01	T										T	0.06		03	
04	0.26	0.10	0.05	T																					04	
05																									05	
06																0.04	0.04	0.06	0.18	0.15	0.10	0.05	0.04	0.06	06	
07	0.06	0.03	0.02	0.01	T	T								T	0.02	T	T								07	
08																									08	
09			T	0.03	0.05	0.03	0.01																		09	
10																									10	
11																									11	
12																									12	
13																									13	
14																			T			T	T	0.10	14	
15	T	0.02	T	0.08s	0.11	0.06	0.08	0.18	0.02	0.01	0.10	0.02	0.14	0.05	0.21	0.01								0.01	15	
16	0.01	T	T	T	T	0.02	T		T	T	T					T		T	T	T	T				16	
17																										17
18																										18
19	0.01	T																							19	
20																									20	
21																									21	
22															T	T	0.01	T	T	T	T	0.01	0.03	0.02	0.02	22
23	T	0.03	0.07	0.03	0.04	0.07	0.08	0.11	0.06	0.03	T	T	0.01	T	T	0.05s	T					0.01	0.04	T	23	
24	0.01	0.06	0.01	0.17	0.20	0.18	0.16	0.04	0.02	T					0.01		T	0.01	T						24	
25								T	0.01	T																25
26										0.01s	0.03	0.03	0.01	T	0.01	0.01		0.01	T	T	0.01	T			26	
27																										27
28																										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)	0.07	0.11	0.14	0.18	0.20	0.26	0.28	0.30	0.35	0.41	0.48	0.58
Ending Date Time (yyyy-mm-dd hh:mi)	2018-04-15 14:42	2018-04-15 14:46	2018-04-15 14:50	2018-04-04 00:36	2018-04-04 00:42	2018-04-04 00:59	2018-04-04 01:15	2018-04-04 01:37	2018-04-04 01:47	2018-04-24 06:15	2018-04-24 06:20	2018-04-24 06:06

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