

Local Climatological Data Daily Summary May 2018

Generated on 06/04/2018

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	82	43*	62	-0.7				3	0	0545	1924		0.00			29.26		1.9	15	180	9	180		
02	85	51	68	5.1				0	3	0544	1925		0.00			29.27		2.5	18	150	12	170		
03	86	59	72	8.8				0	7	0542	1926		0.00			29.21		2.6	17	190	10	190		
04	84	62	73	9.6				0	8	0541	1927		T			29.15		2.5	16	280	9	280		
05	79	62	70	6.3				0	5	0540	1927	RA	0.03			29.06		1.5	21	260	16	270		
06	82	57	70	6.1				0	5	0539	1928		0.00			29.01		3.0	24	350	8	350		
07	80	55	68	3.8				0	3	0538	1929		0.00			29.09		1.3	13	080	7	200		
08	82	56	69	4.5				0	4	0537	1930		0.00			29.13		1.4	13	250	8	170		
09	85	54	70	5.3				0	5	0536	1931		T			29.13		2.2	19	190	10	190		
10	84	66	75	10.0				0	10	0536	1932	RA BR	0.08			29.08		3.3	19	270	10	250		
11	90	63	76	10.7				0	11	0535	1932		0.00			29.11		2.4	17	190	10	190		
12	91	64	78	12.4				0	13	0534	1933		0.00			29.15		2.2	15	200	9	210		
13	91	60	76	10.2				0	11	0533	1934		0.00			29.13		1.4	18	150	10	160		
14	92	63	78	11.9				0	13	0532	1935	HZ	0.00			29.07		1.2	13	110	9	080		
15	88	68	78	11.6				0	13	0531	1936		0.03			29.02		2.2	17	160	10	170		
16	83	66	74	7.3				0	9	0531	1936		0.00			28.96		1.5	12	110	8	080		
17	87	66	76	9.0				0	11	0530	1937	RA BR	0.67			28.94		1.4	23	150	13	130		
18	82	66	74	6.8				0	9	0529	1938	RA FG BR	0.24			28.94		0.9	*		5s	099s		
19	86	65	76	8.5				0	11	0528	1939	RA BR	0.01			29.03		2.4	16	270	10	260		
20	89	67	78	10.2				0	13	0528	1940	BR	0.00			29.14		0.9	12	100	8	270		
21	86	68	77	8.9				0	12	0527	1940		0.00			29.16		2.8	14	290	10	270		
22	86	69	78	9.6				0	13	0526	1941	RA	0.10			29.11		1.5	13	060	8	180		
23	87	65	76	7.3				0	11	0526	1942	BR	0.00			29.11		1.5	14	080	9	070		
24	92*	67	80	11.0				0	15	0525	1943		0.00			29.12		2.0	12	200	8	280		
25	90	69	80	10.7				0	15	0525	1943		T			29.06		2.9	27s	130s	17	130		
26	86	70	78	8.4				0	13	0524	1944	RA BR	0.09			28.97		2.8	14	060	9	270		
27	86	69	78	8.1				0	13	0524	1945	RA BR	0.63			29.00		1.6	22	160	14	150		
28	77	68	72	1.8				0	7	0523	1946	RA BR	0.09			28.97		2.7	14	050	9	070		
29	83	69	76	5.5				0	11	0523	1946	RA BR	0.62			28.90		3.1	21	090	14	090		
30	84	70	77	6.2				0	12	0522	1947	RA BR	0.04			28.90		3.3	23	190	12	200		
31	82	68	75	3.9				0	10	0522	1948	RA BR	0.50		0	29.00		3.3	16	270	10	080		
Monthly Averages Totals													3.13		0	29.07	30.00							
Departure from Normal (1981-2010)													-1.16											

Degree Days				Number of days with...											
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather				
Total	Departure	Total	Departure	Max		Min									
Heating				>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog			
Cooling				6	0	0	0	13	6						
Date of 5-sec to 3-sec wind equipment change				Sea Level Pressure				Greatest...							
2007-03-22				Maximum		30.31		Date	02	Time		0857			
				Minimum		29.76			29			1700		24-Hr...	Snowfall
												0.74s			
								Date							
								17-18							
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 May 2018

Generated on 06/04/2018

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		48	8.9	46	7.8	44	6.7	86	0	000		29.24	8	+0.01	30.20	FM-15	0.00	30.22
01	0153	7	CLR:00	10.00		47	8.3	45	7.3	43	6.1	86	0	000		29.23			30.19	FM-15	0.00	30.21
01	0253	7	CLR:00	10.00		45	7.2	44	6.7	43	6.1	93	0	000		29.24			30.20	FM-15	0.00	30.22
01	0353	7	CLR:00	10.00		44	6.7	44	6.4	43	6.1	96	0	000		29.25	3	-0.01	30.21	FM-15	0.00	30.23
01	0453	7	CLR:00	10.00		43	6.1	43	5.9	42	5.6	97	0	000		29.26			30.23	FM-15	0.00	30.24
01	0553	6	CLR:00	10.00		43	6.1	43	5.9	42	5.6	97	0	000		29.28			30.25	FM-15	0.00	30.26
01	0653	7	CLR:00	10.00		46	7.8	46	7.5	45	7.2	96	0	000		29.30	3	-0.05	30.27	FM-15	0.00	30.28
01	0753	7	CLR:00	10.00		52	11.1	49	9.4	46	7.8	80	0	000		29.32			30.29	FM-15	0.00	30.30
01	0853	7	CLR:00	10.00		60	15.6	53	11.5	46	7.8	60	0	000		29.33			30.30	FM-15	0.00	30.31
01	0953	7	CLR:00	10.00		68	20.0	57	14.1	49	9.4	51	3	VRB		29.33	0	-0.02	30.29	FM-15	0.00	30.31
01	1053	6	CLR:00	10.00		72	22.2	57	14.0	45	7.2	38				29.32			30.28	FM-15	0.00	30.30
01	1153	7	CLR:00	10.00		76	24.4	59	14.9	45	7.2	33	6	VRB		29.30			30.26	FM-15	0.00	30.28
01	1253	6	CLR:00	10.00		78	25.6	60	15.8	47	8.3	33				29.28	8	+0.05	30.24	FM-15	0.00	30.26
01	1353	7	CLR:00	10.00		80	26.7	61	16.0	46	7.8	30	6	VRB		29.26			30.22	FM-15	0.00	30.24
01	1453	7	CLR:00	10.00		81	27.2	60	15.5	43	6.1	26	7	VRB		29.23			30.19	FM-15	0.00	30.21
01	1553	7	CLR:00	10.00		81	27.2	61	15.9	45	7.2	28	3	VRB		29.22	6	+0.06	30.18	FM-15	0.00	30.20
01	1653	7	CLR:00	10.00		82	27.8	61	15.9	44	6.7	26	7	VRB		29.21			30.17	FM-15	0.00	30.19
01	1753	7	CLR:00	10.00		80	26.7	59	15.1	42	5.6	26	5	VRB		29.21			30.17	FM-15	0.00	30.19
01	1853	7	CLR:00	10.00		78	25.6	59	14.9	43	6.1	29	5	240		29.21	5	+0.01	30.17	FM-15	0.00	30.19
01	1953	7	CLR:00	10.00		69	20.6	57	14.1	48	8.9	47	0	000		29.23			30.19	FM-15	0.00	30.21
01	2053	7	CLR:00	10.00		64	17.8	56	13.5	50	10.0	60	0	000		29.23			30.20	FM-15	0.00	30.21
01	2153	7	CLR:00	10.00		61	16.1	56	13.1	51	10.6	70	0	000		29.25	1	-0.04	30.20	FM-15	0.00	30.23
01	2253	7	CLR:00	10.00		59	15.0	55	12.6	51	10.6	75	0	000		29.25			30.20	FM-15	0.00	30.23
01	2353	7	CLR:00	10.00		57	13.9	54	12.1	51	10.6	81	0	000		29.25			30.20	FM-15	0.00	30.23

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
May 2018

Generated on 06/04/2018

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

Date	Time (LST)	Remarks
01	0053	MET10805/01/18 00:53:02 METAR KOQT 010553Z 0000KT 10SM CLR 09/07 A3022 RMK AO2 SLP228 T00890067 10222 20089 58002
01	0153	MET09005/01/18 01:53:02 METAR KOQT 010653Z 0000KT 10SM CLR 08/06 A3021 RMK AO2 SLP225 T00830061
01	0253	MET09405/01/18 02:53:02 METAR KOQT 010753Z 0000KT 10SM CLR 07/06 A3022 RMK AO2 SLP228 T00720061 RTX
01	0353	MET09605/01/18 03:53:02 METAR KOQT 010853Z 0000KT 10SM CLR 07/06 A3023 RMK AO2 SLP231 T00670061 53003
01	0453	MET09005/01/18 04:53:02 METAR KOQT 010953Z 0000KT 10SM CLR 06/06 A3024 RMK AO2 SLP236 T00610056
01	0553	MET09905/01/18 05:53:02 METAR KOQT 011053Z 0000KT 10SM CLR 06/06 A3026 RMK AO2 SLP243 T00610056 RTX FIBI
01	0653	MET10805/01/18 06:53:02 METAR KOQT 011153Z 0000KT 10SM CLR 08/07 A3028 RMK AO2 SLP251 T00780072 10089 20061 53018
01	0753	MET09005/01/18 07:53:02 METAR KOQT 011253Z 0000KT 10SM CLR 11/08 A3030 RMK AO2 SLP259 T01110078
01	0853	MET09005/01/18 08:53:02 METAR KOQT 011353Z 0000KT 10SM CLR 16/08 A3031 RMK AO2 SLP262 T01560078
01	0953	MET09605/01/18 09:53:02 METAR KOQT 011453Z VRB03KT 10SM CLR 20/09 A3031 RMK AO2 SLP259 T02000094 50008
01	1053	MET09005/01/18 10:53:02 METAR KOQT 011553Z KT 10SM CLR 22/07 A3030 RMK AO2 SLP253 T02220072
01	1153	MET09005/01/18 11:53:02 METAR KOQT 011653Z VRB05KT 10SM CLR 24/07 A3028 RMK AO2 SLP247 T02440072
01	1253	MET10805/01/18 12:53:02 METAR KOQT 011753Z KT 10SM CLR 26/08 A3026 RMK AO2 SLP240 T02560083 10256 20078 58016
01	1353	MET09005/01/18 13:53:02 METAR KOQT 011853Z VRB05KT 10SM CLR 27/08 A3024 RMK AO2 SLP235 T02670078
01	1453	MET09005/01/18 14:53:02 METAR KOQT 011953Z VRB06KT 10SM CLR 27/06 A3021 RMK AO2 SLP224 T02720061
01	1553	MET09605/01/18 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 27/07 A3020 RMK AO2 SLP219 T02720072 56020
01	1653	MET09005/01/18 16:53:02 METAR KOQT 012153Z VRB06KT 10SM CLR 28/07 A3019 RMK AO2 SLP217 T02780067
01	1753	MET09005/01/18 17:53:02 METAR KOQT 012253Z VRB04KT 10SM CLR 27/06 A3019 RMK AO2 SLP217 T02670056
01	1853	MET10805/01/18 18:53:02 METAR KOQT 012353Z 2400KT 10SM CLR 26/06 A3019 RMK AO2 SLP217 T02560061 10278 20250 55003
01	1953	MET09005/01/18 19:53:01 METAR KOQT 020053Z 0000KT 10SM CLR 21/09 A3021 RMK AO2 SLP224 T02060089
01	2053	MET09005/01/18 20:53:02 METAR KOQT 020153Z 0000KT 10SM CLR 18/10 A3021 RMK AO2 SLP226 T01780100
01	2153	MET09605/01/18 21:53:01 METAR KOQT 020253Z 0000KT 10SM CLR 16/11 A3023 RMK AO2 SLP228 T01610106 51013
01	2253	MET09005/01/18 22:53:02 METAR KOQT 020353Z 0000KT 10SM CLR 15/11 A3023 RMK AO2 SLP227 T01500106
01	2353	MET10005/01/18 23:53:02 METAR KOQT 020453Z 0000KT 10SM CLR 14/11 A3023 RMK AO2 SLP228 T01390106 402780061

Local Climatological Data
Hourly Precipitation
May 2018

Generated on 06/04/2018

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																									01		
02																										02	
03																										03	
04																T										04	
05																			T	T	T	T	0.03	T		05	
06																										06	
07																										07	
08																										08	
09																			T							09	
10				T									0.07	0.01												10	
11																										11	
12																										12	
13																										13	
14																										14	
15																0.03										15	
16																										16	
17																				T	0.67	T	T	T	T	17	
18	T							T	T	T			T				0.04	0.03				0.13	T	0.04	18		
19	0.01	T	T					T				M				T	T									19	
20																										20	
21																										21	
22														0.10												22	
23																										23	
24																										24	
25																				T					T	25	
26	0.01	0.01						T	T	T	T	T				T				T	0.05	0.01	0.01		26		
27	0.12s	0.11	0.03	T	T															0.29	0.08	T	T	T	27		
28												T	0.01	0.03	0.03		T	0.02	T						28		
29				T	T			0.04	T	0.01	T	T	T	0.01			T	0.56	T		T		T	T	29		
30	0.01		T	0.01	T					0.02			T	T											30		
31				0.01	0.04	T				0.01	0.27	T							0.04					0.11s	0.02	T	31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.30	0.52	0.57	0.62	0.67	0.67	0.67	0.67	0.67	0.67	0.67	0.67
Ending Date Time (yyyy-mm-dd hh:mi)	2018-05-29 17:29	2018-05-17 19:29	2018-05-17 19:34	2018-05-17 19:39	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45	2018-05-17 19:45

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