

Local Climatological Data Daily Summary January 2018

Generated on 02/06/2018

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	23	11	17	-20.9				48	0	0748	1734		0.00			29.57		3.0	17	030	10	080		
02	30	8	19	-18.9				46	0	0748	1734		0.00			29.59		2.3	14	060	10	070		
03	35	13	24	-13.8				41	0	0748	1735		0.00			29.23		1.9	14	290	9	290		
04	29	12	20	-17.7				45	0	0748	1736	SN	T			29.15		3.8	21	350	14	350		
05	26	10	18	-19.7				47	0	0748	1737		0.00			29.35		0.9	14	260	9	260		
06	29	8	18	-19.6				47	0	0748	1738		0.00			29.51		1.2	11	070	8	080		
07	37	10	24	-13.6				41	0	0748	1739		0.00			29.49		1.4	10	270	8	260		
08	37	29	33	-4.5				32	0	0748	1739	RA FZRA BR	0.28			29.24		3.6	18	250	12	260		
09	47	35	41	3.5				24	0	0748	1740	RA BR	T			29.28		1.1	10	070	7	060		
10	68*	43	56	18.5				9	0	0748	1741	BR	0.00			29.23		1.6	17	190	12	200		
11	57	43	50	12.6				15	0	0748	1742	RA FG BR	0.30			29.08		0.3	8	210	5	080		
12	58	30	44	6.6				21	0	0748	1743	RA SN FG BR	0.37			28.77		2.6	22	280	15	280		
13	32	17	24	-13.4				41	0	0748	1744		T			29.29		6.1	25	330	15	320		
14	30	14	22	-15.4				43	0	0747	1745		0.00			29.55		2.6	16	070	12	070		
15	45	18	32	-5.4				33	0	0747	1746		0.00			29.42		2.4	23	200	14	210		
16	35	15	25	-12.5				40	0	0747	1747	SN FZFG BR FG	0.14			29.41		1.6	12	010	8	270		
17	23	4*	14	-23.5				51	0	0746	1748		0.00			29.52		1.8	13	320	9	330		
18	34	7	20	-17.5				45	0	0746	1749	UP	Ts			29.47		0.6	9	270	7	260		
19	46	12	29	-8.5				36	0	0746	1750	UP	T			29.31		1.0	13	200	8	210		
20	59	28	44	6.4				21	0	0745	1751		0.00			29.26		1.5	13	220	10	210		
21	64	39	52	14.4				13	0	0745	1752		T			29.23		1.2	*		5	099		
22	60	38	49	11.3				16	0	0744	1753	RA FG BR	0.10	0.0	0	29.03		0.6	13	250	5	200		
23	54	41	48	10.2				17	0	0744	1754	RA BR	0.03			28.95		7.1	25	250	14	260		
24	47	36	42	4.1				23	0	0743	1755		0.00			29.28		3.8	18	270	12	260		
25	52	24	38	0.1				27	0	0743	1756	UP	Ts			29.50		0.8	9	080	7	090		
26	57	26	42	4.0				23	0	0742	1757		0.00			29.54		0.8	14	200	9	190		
27	56	39	48	9.9				17	0	0741	1758	RA BR	0.02			29.41		2.6	12	250	8	260		
28	53	47	50	11.7				15	0	0741	1800	RA BR	0.73			29.24		1.8	14	030	7	010		
29	57	32	44	5.6				21	0	0740	1801	SN UP	T			29.18		4.5	23	320	14	340		
30	42	25	34	-4.5				31	0	0739	1802		0.00			29.39		2.9	18	350	12	340		
31	54	23	38	-0.7				27	0	0739	1803		0.00			29.26		3.3	19	260	12	200		
Monthly Averages Totals													1.97			29.31	30.34							
Departure from Normal (1981-2010)													-2.57											

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				0	8	22	0	8	6			
Date of 5-sec to 3-sec wind equipment change				Sea Level Pressure				Greatest...				
2007-03-22				Maximum		Date		Time		24-Hr...		Snow Depth
				30.77		02		0920		Precip	Snowfall	
				Minimum		12		1437		0.75s		
										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 January 2018

Generated on 02/06/2018

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		15	-9.4	12	-11.1	1	-17.2	53	0	000		29.49	3	-0.03	30.54	FM-15	0.00	30.47
01	0153	7	CLR:00	10.00		14	-10.0	11	-11.5	2	-16.7	58	5	350		29.49			30.54	FM-15	0.00	30.47
01	0253	7	CLR:00	10.00		14	-10.0	12	-11.4	3	-16.1	61	6	330		29.50			30.57	FM-15	0.00	30.49
01	0353	6	CLR:00	10.00		14	-10.0	12	-11.3	4	-15.6	64				29.52	3	-0.03	30.57	FM-15	0.00	30.50
01	0453	7	CLR:00	10.00		13	-10.6	11	-11.7	4	-15.6	67	5	VRB		29.52			30.59	FM-15	0.00	30.51
01	0553	7	CLR:00	10.00		13	-10.6	11	-11.6	5	-15.0	70	0	000		29.54			30.61	FM-15	0.00	30.53
01	0653	7	CLR:00	10.00		13	-10.6	11	-11.7	4	-15.6	67	3	040		29.55	1	-0.04	30.62	FM-15	0.00	30.54
01	0753	7	CLR:00	10.00		13	-10.6	11	-11.7	4	-15.6	67	3	040		29.58			30.65	FM-15	0.00	30.57
01	0853	6	CLR:00	10.00		16	-8.9	13	-10.3	5	-15.0	62				29.60			30.67	FM-15	0.00	30.59
01	0953	7	CLR:00	10.00		18	-7.8	15	-9.5	5	-15.0	57	7	010		29.62	1	-0.06	30.69	FM-15	0.00	30.61
01	1053	7	BKN:07 36	10.00		19	-7.2	15	-9.2	4	-15.6	51	3	VRB		29.64			30.71	FM-15	0.00	30.63
01	1153	7	SCT:04 38	10.00		18	-7.8	15	-9.6	4	-15.6	54	5	VRB		29.64			30.71	FM-15	0.00	30.63
01	1253	7	BKN:07 38	10.00		21	-6.1	17	-8.4	4	-15.6	47	9	070		29.61	8	+0.01	30.68	FM-15	0.00	30.60
01	1353	7	BKN:07 39	10.00		21	-6.1	17	-8.4	4	-15.6	47	3	VRB		29.60			30.67	FM-15	0.00	30.59
01	1453	7	OVC:08 39	10.00		22	-5.6	18	-8.0	5	-15.0	48	7	070		29.60			30.67	FM-15	0.00	30.59
01	1553	7	SCT:04 39	10.00		20	-6.7	16	-8.8	4	-15.6	50	3	VRB		29.61	3	-0.00	30.68	FM-15	0.00	30.60
01	1653	7	CLR:00	10.00		20	-6.7	16	-8.8	4	-15.6	50	3	VRB		29.62			30.69	FM-15	0.00	30.61
01	1753	7	CLR:00	10.00		18	-7.8	14	-9.7	3	-16.1	52	0	000		29.62			30.70	FM-15	0.00	30.61
01	1853	7	CLR:00	10.00		17	-8.3	14	-10.1	3	-16.1	54	0	000		29.64	3	-0.03	30.72	FM-15	0.00	30.63
01	1953	7	CLR:00	10.00		15	-9.4	12	-10.8	4	-15.6	61	0	000		29.65			30.73	FM-15	0.00	30.64
01	2053	7	CLR:00	10.00		13	-10.6	11	-11.6	5	-15.0	70	0	000		29.65			30.73	FM-15	0.00	30.64
01	2153	7	CLR:00	10.00		14	-10.0	12	-11.3	4	-15.6	64	0	000		29.66	3	-0.02	30.73	FM-15	0.00	30.65
01	2253	7	CLR:00	10.00		13	-10.6	11	-11.6	5	-15.0	70	0	000		29.66			30.74	FM-15	0.00	30.65
01	2353	7	CLR:00	10.00		13	-10.6	11	-11.8	3	-16.1	64	3	030		29.67			30.74	FM-15	0.00	30.66

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
January 2018

Generated on 02/06/2018

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

Date	Time (LST)	Remarks
01	0053	MET11001/01/18 00:53:02 METAR KOQT 010553Z 0000KT 10SM CLR M09/M17 A3047 RMK AO2 SLP342 T10941172 11056 21094 53011
01	0153	MET09201/01/18 01:53:02 METAR KOQT 010653Z 35004KT 10SM CLR M10/M17 A3047 RMK AO2 SLP343 T11001167
01	0253	MET09201/01/18 02:53:02 METAR KOQT 010753Z 33005KT 10SM CLR M10/M16 A3049 RMK AO2 SLP351 T11001161
01	0353	MET09801/01/18 03:53:02 METAR KOQT 010853Z KT 10SM CLR M10/M16 A3050 RMK AO2 SLP352 T11001156 53009
01	0453	MET09201/01/18 04:53:02 METAR KOQT 010953Z VRB04KT 10SM CLR M11/M16 A3051 RMK AO2 SLP359 T11061156
01	0553	MET09201/01/18 05:53:02 METAR KOQT 011053Z 0000KT 10SM CLR M11/M15 A3053 RMK AO2 SLP365 T11061150
01	0653	MET11001/01/18 06:53:02 METAR KOQT 011153Z 04003KT 10SM CLR M11/M16 A3054 RMK AO2 SLP369 T11061156 11094 21106 51014
01	0753	MET09201/01/18 07:53:02 METAR KOQT 011253Z 04003KT 10SM CLR M11/M16 A3057 RMK AO2 SLP379 T11061156
01	0853	MET09201/01/18 08:53:02 METAR KOQT 011353Z KT 10SM CLR M09/M15 A3059 RMK AO2 SLP387 T10891150
01	0953	MET09801/01/18 09:53:02 METAR KOQT 011453Z 01006KT 10SM CLR M08/M15 A3061 RMK AO2 SLP392 T10781150 51022
01	1053	MET09501/01/18 10:53:02 METAR KOQT 011553Z VRB03KT 10SM BKN036 M07/M16 A3063 RMK AO2 SLP400 T10721156
01	1153	MET09501/01/18 11:53:02 METAR KOQT 011653Z VRB04KT 10SM SCT038 M08/M16 A3063 RMK AO2 SLP399 T10781156
01	1253	MET11301/01/18 12:53:02 METAR KOQT 011753Z 07008KT 10SM BKN038 M06/M16 A3060 RMK AO2 SLP389 T10611156 11050 21106 58003
01	1353	MET09501/01/18 13:53:02 METAR KOQT 011853Z VRB03KT 10SM BKN039 M06/M16 A3059 RMK AO2 SLP386 T10611156
01	1453	MET09501/01/18 14:53:02 METAR KOQT 011953Z 07006KT 10SM OVC039 M06/M15 A3059 RMK AO2 SLP385 T10561150
01	1553	MET10101/01/18 15:53:02 METAR KOQT 012053Z VRB03KT 10SM SCT039 M07/M16 A3060 RMK AO2 SLP391 T10671156 53001
01	1653	MET09201/01/18 16:53:02 METAR KOQT 012153Z VRB03KT 10SM CLR M07/M16 A3061 RMK AO2 SLP393 T10671156
01	1753	MET09201/01/18 17:53:02 METAR KOQT 012253Z 0000KT 10SM CLR M08/M16 A3061 RMK AO2 SLP397 T10781161
01	1853	MET11001/01/18 18:53:02 METAR KOQT 012353Z 0000KT 10SM CLR M08/M16 A3063 RMK AO2 SLP403 T10831161 11050 21083 53009
01	1953	MET09201/01/18 19:53:01 METAR KOQT 020053Z 0000KT 10SM CLR M09/M16 A3064 RMK AO2 SLP406 T10941156
01	2053	MET09201/01/18 20:53:01 METAR KOQT 020153Z 0000KT 10SM CLR M11/M15 A3064 RMK AO2 SLP406 T11061150
01	2153	MET09801/01/18 21:53:02 METAR KOQT 020253Z 0000KT 10SM CLR M10/M16 A3065 RMK AO2 SLP408 T11001156 53006
01	2253	MET09201/01/18 22:53:02 METAR KOQT 020353Z 0000KT 10SM CLR M11/M15 A3065 RMK AO2 SLP410 T11061150
01	2353	MET10201/01/18 23:53:02 METAR KOQT 020453Z 03003KT 10SM CLR M11/M16 A3066 RMK AO2 SLP411 T11061161 410501117

Local Climatological Data
Hourly Precipitation
January 2018

Generated on 02/06/2018

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			T	T																04	
05																										05	
06																										06	
07																										07	
08					T			T	0.03	0.04	0.04	0.03	0.04	0.03	0.02	0.03	0.01	0.01	T							08	
09					T	T	T																			09	
10																										10	
11										T	0.01	0.01	0.12	0.13	T	T	0.02	T	0.01							11	
12						T	0.01	T	T	0.06	0.09	0.07	0.08	0.01	0.02	0.02				T	0.01	T				12	
13						T					T															13	
14																										14	
15																										15	
16													T	0.03	0.04	0.02	0.01	0.02	0.02	T						16	
17																										17	
18									T	T																18	
19								T	T																	19	
20																										20	
21											T															21	
22														T	0.07	0.01	0.02					T			T	22	
23	0.03	T																								23	
24																										24	
25									T	T																25	
26																										26	
27														T	T					T				0.01s	T	0.01	27
28	0.01	0.04	0.10	0.05	0.07	0.08	0.05	0.05	0.03	0.01	0.02	0.04	0.06	0.09	0.02	0.01				T						28	
29								T	T	T															T		29
30																											30
31																											31

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.04	0.06	0.07	0.09	0.10	0.13	0.14	0.21	0.23	0.25	0.26	0.26
Ending Date Time (yyyy-mm-dd hh:mi)	2018-01-11 13:31	2018-01-11 13:33	2018-01-11 13:33	2018-01-11 13:33	2018-01-11 13:42	2018-01-11 13:33	2018-01-11 13:42	2018-01-11 13:33	2018-01-11 13:54	2018-01-11 13:54	2018-01-11 13:54	2018-01-11 13:54

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