

## Local Climatological Data Daily Summary October 2018

Generated on 12/05/2018

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	85	68	76	11.1	84	69	71	0	11	0632	1821		0.00			29.30	30.24	1.3			7	099	
02	80	67	73	8.4	89	69	70	0	8	0633	1819	RA BR	0.02			29.26	30.19	1.4			5	180	
03	85	64	74	9.8	87	69	70	0	9	0633	1818	FG BR	0.00			29.18	30.11	1.2	11	260	7	200	
04	88	65	76	12.2	85	70	72	0	11	0634	1817	FG BR	0.00			29.15	30.09	1.2			6	260	
05	89	68	79	15.6	85	71	73	0	14	0635	1815	FG BR	0.00			29.13	30.07	1.3	11	150	8	160	
06	90*	68	79	16.0	83	71	72	0	14	0636	1814	FG BR	0.00			29.15	30.10	1.2	11	180	7	210	
07	89	67	78	15.3	83	71	73	0	13	0637	1812	FG BR	0.00			29.21	30.15	0.5	9	220	6	130	
08	88	68	78	15.7	83	71	72	0	13	0638	1811	FG BR	0.00			29.22	30.15	1.2	12	080	8	070	
09	84	69	77	15.0	80	67	70	0	12	0638	1810		0.00			29.15	30.07	1.1	13	090	8	090	
10	85	68	76	14.4	85	71	72	0	11	0639	1808	RA BR	0.16			28.93	29.84	0.5	11	230	7	220	
11	76	57	66	4.8	79	61	64	0	1	0640	1807	RA BR	0.43			28.84	29.80	1.3			9	340	
12	68	48	58	-2.9	67	46	51	7	0	0641	1805		0.00			29.00	29.96	2.1			7	090	
13	62	50	56	-4.5	74	47	51	9	0	0642	1804		0.00			29.03	30.02	1.9	13	060	8	100	
14	67	51	59	-1.2	95	57	58	6	0	0643	1803	RA BR	0.17			29.13	30.09	0.6	7	070	6	070	
15	76	58	67	7.2	94	64	65	0	2	0644	1801	RA BR	0.42			29.15	30.11	1.7	15	260	8	220	
16	63	56	59	-0.5	95	57	58	6	0	0644	1800	RA BR	0.22			29.21	30.19	0.8	9	080	7	090	
17	71	50	61	1.9	78	50	54	4	0	0645	1759		0.00			29.29	30.29	1.2	13	360	8	350	
18	65	45	55	-3.8				10	0	0646	1757		0.00						8	360	5	020	
19	72	42	57	-1.5	81	51	53	8	0	0647	1756	RA FG BR	T			29.28	30.17	2.4	17	190	10	260	
20	64	51	58	-0.1	82	52	55	7	0	0648	1755	RA BR	0.35			29.05	30.03	5.3	26	350	14	270	
21	57	38	47	-10.8	63	31	39	18	0	0649	1754		0.00			29.31	30.32	2.6	20	330	13	320	
22	64	35*	50	-7.4	80	40	44	15	0	0650	1753	FG BR	0.00			29.29	30.30	1.6	15	270	10	280	
23	67	40	53	-4.1	84	45	48	12	0	0651	1751	FG BR	0.00			29.26	30.25	0.6	9	160	6	180	
24	65	39	52	-4.8	73	42	46	13	0	0652	1750	FG BR RA	0.00			29.26	30.25	2.9	16	080	12	080	
25	55	44	50	-6.4	84	45	47	15	0	0653	1749	RA BR	0.12			29.16	30.12	0.6	9	070	5	060	
26	55	49	52	-4.1	100	52	52	13	0	0654	1748	RA BR	0.74			28.81	29.76	2.2	13	240	8	070	
27	54	49	51	-4.7	89	48	49	14	0	0655	1747		0.00			28.85	29.87	4.2	16	270	10	270	
28	69	43	56	0.6	76	47	51	9	0	0655	1746	BR	0.00			29.02	30.00	2.9	25	190	14	220	
29	66	40	53	-2.1	73	40	46	12	0	0656	1744		0.00			29.15	30.15	0.9	11	270	8	260	
30	67	38	52	-2.7	82	44	47	13	0	0657	1743	FG BR	0.00			29.20	30.20	0.9			6	260	
31	72	47	59	4.6	84	55	57	6	0	0658	1742	BR	0.00			29.13	30.08	1.2	14	260	9	260	
	72.2	53.0	62.6										2.63			29.13	30.12	1.6					
	1.1	5.0	3.1										-0.29										

Monthly Averages   Totals												2.63			29.13	30.12	1.6					
Departure from Normal (1981-2010)												-0.29										
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	196	-3	196			>=90°	<=32°	<=32°	<=0°	9	8											
Cooling	119	89	2070			1	0	0	0													
Date of 5-sec to 3-sec wind equipment change						Sea Level Pressure				Greatest...												
2007-03-22						Maximum		30.42		Date	18		Time		0553		24-Hr...		Snowfall		Snow Depth	
						Minimum		29.67		26 <th colspan="2">1659 <th colspan="2">0.83</th> <th colspan="2"></th> <th colspan="2"></th> </th>		1659 <th colspan="2">0.83</th> <th colspan="2"></th> <th colspan="2"></th>		0.83								
												Date										
Station Augmentation												25-26										

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 October 2018

Generated on 12/05/2018

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	OVC:08 55	10.00		70	21.1	69	20.7	69	20.6	97	0	000		29.30	0	-0.01	30.23	FM-15	0.00	30.28
01	0153	7	SCT:04 60 OVC:08 70	10.00		70	21.1	70	21.1	70	21.1	100	0	000		29.30			30.23	FM-15	0.00	30.28
01	0253	7	BKN:07 55 BKN:07 75 OVC:08 90	10.00		70	21.1	70	21.1	70	21.1	100	0	000		29.30			30.23	FM-15	0.00	30.28
01	0353	7	BKN:07 95	10.00		68	20.0	68	20.0	68	20.0	100	0	000		29.30	0	-0.00	30.23	FM-15	0.00	30.28
01	0453	7	OVC:08 95	10.00		68	20.0	68	20.0	68	20.0	100	0	000		29.32			30.25	FM-15	0.00	30.30
01	0553	7	SCT:04 42 SCT:04 49 OVC:08 95	10.00		68	20.0	68	20.0	68	20.0	100	0	000		29.33			30.27	FM-15	0.00	30.31
01	0653	7	FEW:02 47 OVC:08 95	10.00		68	20.0	68	20.0	68	20.0	100	0	000		29.34	1	-0.04	30.28	FM-15	0.00	30.32
01	0753	7	OVC:08 95	10.00		69	20.6	69	20.6	69	20.6	100	0	000		29.36			30.30	FM-15	0.00	30.34
01	0853	7	OVC:08 95	10.00		73	22.8	71	21.7	70	21.1	90	0	000		29.37			30.31	FM-15	0.00	30.35
01	0953	7	CLR:00	10.00		76	24.4	71	21.9	69	20.6	79	0	000		29.37	1	-0.03	30.32	FM-15	0.00	30.35
01	1053	7	FEW:02 26	10.00		79	26.1	72	22.4	69	20.6	72	7	VRB		29.36			30.30	FM-15	0.00	30.34
01	1153	7	FEW:02 35	10.00		81	27.2	72	22.4	68	20.0	65	3	250		29.35			30.28	FM-15	0.00	30.33
01	1253	7	FEW:02 40 SCT:04 70	10.00		83	28.3	73	22.7	68	20.0	61	3	VRB		29.32	8	+0.06	30.25	FM-15	0.00	30.30
01	1353	7	BKN:07 39 BKN:07 70	10.00		85	29.4	73	23.0	68	20.0	57	0	000		29.29			30.22	FM-15	0.00	30.27
01	1453	6	SCT:04 45	10.00		84	28.9	73	22.5	67	19.4	57				29.27			30.21	FM-15	0.00	30.25
01	1553	7	CLR:00	10.00		85	29.4	73	23.0	68	20.0	57	3	VRB		29.26	6	+0.06	30.19	FM-15	0.00	30.24
01	1653	7	CLR:00	10.00		82	27.8	73	22.5	68	20.0	63	3	250		29.25			30.19	FM-15	0.00	30.23
01	1753	7	CLR:00	10.00		80	26.7	73	22.6	69	20.6	69	5	260		29.25			30.19	FM-15	0.00	30.23
01	1853	7	BKN:07 80	10.00		78	25.6	73	22.9	71	21.7	79	3	VRB		29.26	5	+0.00	30.19	FM-15	0.00	30.24
01	1953	7	OVC:08 90	10.00		77	25.0	73	22.7	71	21.7	82	0	000		29.26			30.20	FM-15	0.00	30.24
01	2053	7	CLR:00	10.00		74	23.3	73	22.6	72	22.2	94	0	000		29.28			30.22	FM-15	0.00	30.26
01	2153	7	FEW:02 49	10.00		74	23.3	73	22.6	72	22.2	94	0	000		29.29	3	-0.03	30.23	FM-15	0.00	30.27
01	2253	7	CLR:00	10.00		72	22.2	71	21.9	71	21.7	97	0	000		29.29			30.22	FM-15	0.00	30.27
01	2353	7	BKN:07 44	10.00		72	22.2	71	21.9	71	21.7	97	0	000		29.28			30.21	FM-15	0.00	30.26

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**  
**October 2018**  
Generated on 12/05/2018

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

Date	Time (LST)	Remarks
01	0053	MET11110/01/18 00:53:02 METAR KOQT 010553Z 0000KT 10SM OVC055 21/21 A3028 RMK AO2 SLP238 T02110206 10244 20211 50005
01	0153	MET10010/01/18 01:53:02 METAR KOQT 010653Z 0000KT 10SM SCT060 OVC070 21/21 A3028 RMK AO2 SLP238 T02110211
01	0253	MET10710/01/18 02:53:02 METAR KOQT 010753Z 0000KT 10SM BKN055 BKN075 OVC090 21/21 A3028 RMK AO2 SLP237 T02110211
01	0353	MET09910/01/18 03:53:02 METAR KOQT 010853Z 0000KT 10SM BKN095 20/20 A3028 RMK AO2 SLP237 T02000200 50000
01	0453	MET09310/01/18 04:53:02 METAR KOQT 010953Z 0000KT 10SM OVC095 20/20 A3030 RMK AO2 SLP244 T02000200
01	0553	MET10710/01/18 05:53:02 METAR KOQT 011053Z 0000KT 10SM SCT042 SCT049 OVC095 20/20 A3031 RMK AO2 SLP249 T02000200
01	0653	MET12210/01/18 06:53:02 METAR KOQT 011153Z 0000KT 10SM FEW047 OVC095 20/20 A3032 RMK AO2 SLP255 T02000200 10211 20200 51014 RTX
01	0753	MET09710/01/18 07:53:02 METAR KOQT 011253Z 0000KT 10SM OVC095 21/21 A3034 RMK AO2 SLP262 T02060206 RTX
01	0853	MET09310/01/18 08:53:02 METAR KOQT 011353Z 0000KT 10SM OVC095 23/21 A3035 RMK AO2 SLP264 T02280211
01	0953	MET09610/01/18 09:53:02 METAR KOQT 011453Z 0000KT 10SM CLR 24/21 A3035 RMK AO2 SLP266 T02440206 51011
01	1053	MET09710/01/18 10:53:02 METAR KOQT 011553Z VRB06KT 10SM FEW026 26/21 A3034 RMK AO2 SLP261 T02610206 RTX
01	1153	MET09710/01/18 11:53:02 METAR KOQT 011653Z 2500KT 10SM FEW035 27/20 A3033 RMK AO2 SLP254 T02720200 RTX
01	1253	MET11810/01/18 12:53:02 METAR KOQT 011753Z VRB03KT 10SM FEW040 SCT070 28/20 A3030 RMK AO2 SLP244 T02830200 10289 20200 58019
01	1353	MET10010/01/18 13:53:02 METAR KOQT 011853Z 0000KT 10SM BKN039 BKN070 29/20 A3027 RMK AO2 SLP235 T02940200
01	1453	MET09310/01/18 14:53:02 METAR KOQT 011953Z KT 10SM SCT045 29/19 A3025 RMK AO2 SLP229 T02890194
01	1553	MET10010/01/18 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 29/20 A3024 RMK AO2 SLP223 T02940200 56020 RTX
01	1653	MET09010/01/18 16:53:02 METAR KOQT 012153Z 2500KT 10SM CLR 28/20 A3023 RMK AO2 SLP223 T02780200
01	1753	MET09010/01/18 17:53:02 METAR KOQT 012253Z 2600KT 10SM CLR 27/21 A3023 RMK AO2 SLP224 T02670206
01	1853	MET11110/01/18 18:53:02 METAR KOQT 012353Z VRB03KT 10SM BKN080 26/22 A3024 RMK AO2 SLP225 T02560217 10294 20256 55001
01	1953	MET09310/01/18 19:53:01 METAR KOQT 020053Z 0000KT 10SM OVC090 25/22 A3024 RMK AO2 SLP228 T02500217
01	2053	MET09010/01/18 20:53:02 METAR KOQT 020153Z 0000KT 10SM CLR 23/22 A3026 RMK AO2 SLP233 T02330222
01	2153	MET09910/01/18 21:53:02 METAR KOQT 020253Z 0000KT 10SM FEW049 23/22 A3027 RMK AO2 SLP236 T02330222 53011
01	2253	MET09010/01/18 22:53:01 METAR KOQT 020353Z 0000KT 10SM CLR 22/22 A3027 RMK AO2 SLP234 T02220217
01	2353	MET10310/01/18 23:53:02 METAR KOQT 020453Z 0000KT 10SM BKN044 22/22 A3026 RMK AO2 SLP231 T02220217 402940200

**Local Climatological Data**  
**Hourly Precipitation**  
**October 2018**

Generated on 12/05/2018

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								T	0.02			T													02	
03																									03	
04															T										04	
05																									05	
06																									06	
07																									07	
08																									08	
09																									09	
10				T	T	T															T	0.01	0.05	0.05	0.05	10
11	0.06	0.11	0.13	0.02	0.03	0.05	0.03	T	T																11	
12																									12	
13																									13	
14		T	T	T	T	0.01	0.01	0.06	0.01	T	T	0.01					T	T	0.02	0.05	T				14	
15																	T	0.36	0.06						15	
16					T	T						T	T	T		T	0.02	0.01	0.04	0.01	0.05	0.09	T	T	16	
17																									17	
18							M	M	M	M	M	M	M	M	M										18	
19																								T	19	
20	T	0.01	0.07	0.06	0.11	0.02	0.04	0.02	0.02	T															20	
21																									21	
22																									22	
23																									23	
24		T		T	T		T	T																	24	
25																		T			0.01	T	0.01	0.01	0.09	25
26	0.06	0.17	0.16	0.11	0.05	0.05	0.03	0.01	0.01	0.01	0.01	T	T		T	0.02				0.01	0.01	0.02	0.01	0.01	26	
27																									27	
28																									28	
29																									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)												
Ending Date Time (yyyy-mm-dd hh:mi)												

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