

Local Climatological Data
Daily Summary
April 2022

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W

Generated on 06/01/2022

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

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	59	42	51	-3.7				14	0	0624	1859	RA	T			29.03		4.5	22	260	15	270									
02	64	35	50	-5.0				15	0	0622	1900		0.00			29.09		2.7	22	210	12	210									
03	66	42	54	-1.3				11	0	0621	1900		0.00			29.05		2.1	16	330	10	330									
04	73	39	56	0.5				9	0	0619	1901		0.00			29.00		2.1	22	190	12	270									
05	63	47	55	-0.8				10	0	0618	1902	RA BR	0.18			28.79		2.2	20	250	12	260									
06	79	49	64	7.9				1	0	0617	1903	RA FG BR	0.74			28.76		3.3	31	290	20	300									
07	66	47	57	0.7				8	0	0615	1904		0.00			28.79		4.7	29	270	16	290									
08	54	38	46	-10.6				19	0	0614	1905	RA	T			28.82		4.4	28	260	16	270									
09	50	36	43	-13.9s				22s	0s	0612	1905	RA SN BR	0.08			28.97		4.3	30	260	16	280									
10	69	30*	50	-7.1				15	0	0611	1906		0.00			29.10		1.4	15	150	9	150									
11	66	47	57	-0.4				8	0	0610	1907	RA	0.02			29.10		2.5	25	210	13	210									
12	70	57	64	6.4				1	0	0608	1908	RA BR	1.48			29.15		1.3	15	270	9	290									
13	83	57	70	12.1				0	5	0607	1909	RA BR	0.01			28.96		4.8	30	260	16	200									
14	71	47	59	0.9				6	0	0606	1910	RA BR	0.18			29.03		2.8	35	100	21	120									
15	74	38	56	-2.4				9	0	0604	1910		0.00			29.16		1.1	17	220	9	200									
16	73	53	63	4.3				2	0	0603	1911	RA BR	0.54			29.06		1.9	14	170	9	190									
17	70	50	60	1.1				5	0	0602	1912	RA	T			29.09		4.4	19	360	10	360									
18	58	43	51	-8.2				14	0	0600	1913	RA BR	0.51			29.02		3.9	22	280	12	280									
19	60	37	49	-10.4				16	0	0559	1914		0.00			29.23		2.6	21	220	10	250									
20	74	37	56	-3.7				9	0	0558	1915		0.00			29.30		1.6	16	150	9	180									
21	77	56	67	7.1				0	2	0556	1915	RA	T			29.35		3.0	26	220	13	200									
22	85	54	70	9.8				0	5	0555	1916		0.00			29.38		1.1	14	240	9	200									
23	85*	57	71	10.6				0	6	0554	1917		0.00			29.25		2.7	18	290	9	200									
24	83	60	72	11.3				0	7	0553	1918		0.00			29.18		3.5	22	260	13	260									
25	83	58	71	10.1				0	6	0552	1919		0.00			29.13		2.1	21	200	10	190									
26	68	50	59	-2.2				6	0	0550	1920	RA BR	0.41			29.20		2.2	18	320	9	350									
27	70	41	56	-5.4				9	0	0549	1921		0.00			29.28		3.1	21	060	12	090									
28	76	45	61	-0.7				4	0	0548	1921		0.00			29.20		1.5	13	030	8	070									
29	77	51	64	2.1				1	0	0547	1922	RA	T			29.12		0.8	16	180	8	230									
30	80	55	68	5.8				0	3	0546	1923		0.00			29.05		1.9	19	220	8	220									
Monthly Averages Totals													4.24			29.09	30.05	2.7													
Departure from Normal (1981-2010)													0.06s																		
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		220			5		3186		>=90°			<=32°		<=32°		<=0°		10		8s		1									
Cooling		31			4		34		0		0		1		0																
Date of 5-sec to 3-sec wind equipment change								Sea Level Pressure						Greatest...																	
2007-03-22								Maximum		30.42		Date		22		Time		0952		24-Hr... Precip		1.50		Snowfall		Snow Depth					
								Minimum		29.50				05		1448															
								Date														11-12									
Station Augmentation																															
Name:OAK RIDGE ATDD, TN Lat: 35.998 Lon: -84.2192 Elevation: N/A 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 WBAN: 72427053868 (KOQT)

Local Climatological Data Hourly Observations April 2022

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

Generated on 06/01/2022

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	SCT:04 60 BKN:07 100	10.00		46	7.8	44	6.7	42	5.6	86	5	180		28.88	1	-0.05	29.85	FM-15	0.00	29.85
01	0153	7	OVC:08 80	10.00		45	7.2	43	6.1	40	4.4	83	3	VRB		28.89			29.85	FM-15	0.00	29.86
01	0253	7	BKN:07 35 OVC:08 55	10.00	-RA:02 RA RA	45	7.2	43	6.1	40	4.4	83	7	VRB		28.91			29.87	FM-15	T	29.88
01	0353	7	SCT:04 27 OVC:08 36	10.00		45	7.2	42	5.6	39	3.9	80	6	250		28.92	3	-0.03	29.88	FM-15	0.00	29.89
01	0453	7	CLR:00	10.00		44	6.7	39	3.9	33	0.6	65	9	VRB		28.94			29.91	FM-15	0.00	29.91
01	0553	7	BKN:07 48	10.00		43	6.1	38	3.3	32	0.0	65	6	260		28.97			29.95	FM-15	0.00	29.94
01	0653	7	BKN:07 48	10.00		42	5.6	38	3.3	33	0.6	71	5	220		29.01	3	-0.09	29.99	FM-15	0.00	29.98
01	0753	7	OVC:08 43	10.00		43	6.1	39	3.9	33	0.6	68	5	VRB		29.05			30.03	FM-15	0.00	30.02
01	0853	7	FEW:02 24 BKN:07 35 OVC:08 45	10.00		43	6.1	39	3.9	34	1.1	71	6	260		29.09			30.07	FM-15	T	30.06
01	0930	7	BKN:07 27 OVC:08 38	10.00		45	7.2	39	3.9	32	0.0	61	3	290		29.10				FM-16		30.08
01	0943	7	SCT:04 27 BKN:07 36 OVC:08 45	10.00		45	7.2	39	3.9	32	0.0	61	5	VRB		29.10				FM-16		30.08
01	0953	7	FEW:02 27 SCT:04 35 OVC:08 43	10.00		45	7.2	39	3.9	31	-0.6	58	5	VRB		29.12	1	-0.10	30.09	FM-15	0.00	30.09
01	1053	7	BKN:07 37	10.00		48	8.9	41	5.0	31	-0.6	52	10	VRB		29.12			30.10	FM-15	0.00	30.09
01	1153	7	FEW:02 42	10.00		49	9.4	40	4.4	28	-2.2	44	6	VRB		29.12			30.11	FM-15	0.00	30.09
01	1253	7	CLR:00	10.00		52	11.1	42	5.6	28	-2.2	40	5	VRB		29.10	8	0.00	30.09	FM-15	0.00	30.08
01	1353	7	CLR:00	10.00		56	13.3	44	6.7	30	-1.1	37	7	210		29.09			30.06	FM-15	0.00	30.06
01	1453	6	CLR:00	10.00		56	13.3	44	6.7	28	-2.2	34				29.08			30.06	FM-15	0.00	30.05
01	1553	7	CLR:00	10.00		58	14.4	45	7.2	28	-2.2	32	3	VRB		29.09	5	+0.02	30.06	FM-15	0.00	30.06
01	1653	6	CLR:00	10.00		58	14.4	44	6.7	27	-2.8	31				29.09			30.07	FM-15	0.00	30.06
01	1753	7	CLR:00	10.00		58	14.4	44	6.7	26	-3.3	29	0	000		29.10			30.08	FM-15	0.00	30.07
01	1853	7	CLR:00	10.00		55	12.8	44	6.7	29	-1.7	37	0	000		29.12	3	-0.03	30.10	FM-15	0.00	30.09
01	1953	7	CLR:00	10.00		51	10.6	41	5.0	28	-2.2	41	3	060		29.13			30.12	FM-15	0.00	30.10
01	2053	7	CLR:00	10.00		49	9.4	40	4.4	29	-1.7	46	0	000		29.14			30.14	FM-15	0.00	30.12
01	2153	7	CLR:00	10.00		47	8.3	39	3.9	28	-2.2	48	3	060		29.16	1	-0.05	30.15	FM-15	0.00	30.14
01	2253	7	CLR:00	10.00		45	7.2	38	3.3	28	-2.2	52	3	050		29.15			30.15	FM-15	0.00	30.13
01	2353	7	CLR:00	10.00		44	6.7	37	2.8	28	-2.2	53	3	060		29.16			30.16	FM-15	0.00	30.14

U.S. Department of Commerce
 National Oceanic & Atmospheric Administration
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Local Climatological Data
Hourly Remarks
April 2022

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

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W

Generated on 06/01/2022

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

Date	Time (LST)	Remarks
01	0053	MET12404/01/22 00:53:02 METAR KOQT 010553Z 18004KT 10SM SCT060 BKN100 08/06 A2985 RMK AO2 SLP107 60004 T00780056 10133 20072 51018
01	0153	MET09304/01/22 01:53:02 METAR KOQT 010653Z VRB03KT 10SM OVC080 07/04 A2986 RMK AO2 SLP110 T00720044
01	0253	MET11604/01/22 02:53:02 METAR KOQT 010753Z VRB06KT 10SM -RA BKN035 OVC055 07/04 A2988 RMK AO2 RAB25 SLP115 P0000 T00720044
01	0353	MET12604/01/22 03:53:02 METAR KOQT 010853Z 25005KT 10SM SCT027 OVC036 07/04 A2989 RMK AO2 RAE0754 SLP119 P0000 60000 T00720039 53010
01	0453	MET09004/01/22 04:53:02 METAR KOQT 010953Z 27008KT 10SM CLR 07/01 A2991 RMK AO2 SLP129 T00670006
01	0553	MET09304/01/22 05:53:02 METAR KOQT 011053Z 26005KT 10SM BKN048 06/00 A2994 RMK AO2 SLP141 T00610000
01	0653	MET12304/01/22 06:53:02 METAR KOQT 011153Z 22004KT 10SM BKN048 06/01 A2998 RMK AO2 SLP155 60000 70004 T00560006 10078 20056 53032
01	0753	MET09304/01/22 07:53:02 METAR KOQT 011253Z VRB04KT 10SM OVC043 06/01 A3002 RMK AO2 SLP170 T00610006
01	0853	MET12204/01/22 08:53:02 METAR KOQT 011353Z 26005KT 10SM FEW024 BKN035 OVC045 06/01 A3006 RMK AO2 RAB31E49 SLP183 P0000 T00610011
01	0930	MET09304/01/22 09:30:02 SPECI KOQT 011430Z 29003KT 10SM BKN027 OVC038 07/00 A3008 RMK AO2 T00720000
01	0943	MET10004/01/22 09:43:02 SPECI KOQT 011443Z VRB04KT 10SM SCT027 BKN036 OVC045 07/00 A3008 RMK AO2 T00720000
01	0953	MET12004/01/22 09:53:02 METAR KOQT 011453Z VRB04KT 10SM FEW027 SCT035 OVC043 07/M01 A3009 RMK AO2 SLP191 60000 T00721006 51034
01	1053	MET09404/01/22 10:53:02 METAR KOQT 011553Z 26009KT 10SM BKN037 09/M01 A3009 RMK AO2 SLP192 T00891006
01	1153	MET09404/01/22 11:53:02 METAR KOQT 011653Z VRB05KT 10SM FEW042 09/M02 A3009 RMK AO2 SLP195 T00941022
01	1253	MET11504/01/22 12:53:02 METAR KOQT 011753Z VRB04KT 10SM CLR 11/M02 A3008 RMK AO2 SLP190 60000 T01111022 10117 20056 58001
01	1353	MET09104/01/22 13:53:02 METAR KOQT 011853Z 21006KT 10SM CLR 13/M01 A3006 RMK AO2 SLP180 T01331011
01	1453	MET09104/01/22 14:53:02 METAR KOQT 011953Z KT 10SM CLR 13/M02 A3005 RMK AO2 SLP178 T01331022
01	1553	MET09704/01/22 15:53:02 METAR KOQT 012053Z VRB03KT 10SM CLR 14/M02 A3006 RMK AO2 SLP180 T01441022 55008
01	1653	MET09104/01/22 16:53:02 METAR KOQT 012153Z KT 10SM CLR 14/M03 A3006 RMK AO2 SLP183 T01441028
01	1753	MET09104/01/22 17:53:02 METAR KOQT 012253Z 00000KT 10SM CLR 14/M03 A3007 RMK AO2 SLP186 T01441033
01	1853	MET10904/01/22 18:53:02 METAR KOQT 012353Z 00000KT 10SM CLR 13/M02 A3009 RMK AO2 SLP192 T01281017 10150 20111 53010
01	1953	MET09104/01/22 19:53:01 METAR KOQT 020053Z 06003KT 10SM CLR 11/M02 A3010 RMK AO2 SLP200 T01061022
01	2053	MET09104/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 09/M02 A3012 RMK AO2 SLP206 T00941017
01	2153	MET09704/01/22 21:53:01 METAR KOQT 020253Z 06003KT 10SM CLR 08/M02 A3014 RMK AO2 SLP210 T00831022 51016
01	2253	MET09104/01/22 22:53:02 METAR KOQT 020353Z 05003KT 10SM CLR 07/M02 A3013 RMK AO2 SLP210 T00721022
01	2353	MET10104/01/22 23:53:02 METAR KOQT 020453Z 06003KT 10SM CLR 07/M02 A3014 RMK AO2 SLP212 T00671022 401500056

Local Climatological Data
Hourly Precipitation
April 2022

Current Location: Elev: 900 ft. Lat: 36.0230° N Lon: -84.2337° W

Generated on 06/01/2022

Station: **OAK RIDGE ASOS, TN US WBAN: 72427053868 (KOQT)**

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																										03	
04																										04	
05											0.02	0.11						T	0.01	0.03	T	0.01				05	
06																		0.74	T	T	T					06	
07																										07	
08											T	T	T		T	T	T	T	T					T	T	T	08
09				T			0.01	0.01	T	T	0.04	0.02			T												09
10																											10
11															T	T				0.02			T	T			11
12	0.03	0.02	T	0.22	0.04	0.17	0.35	0.15	0.19	0.04	0.05	0.12	0.09	0.01													12
13					T	T	T	T	T																0.06	0.04	13
14	0.02	0.08	0.02	0.01				0.04	0.01			T															14
15																											15
16	T	0.19	0.12	0.11	0.06	0.06																					16
17																			T	T			T	T			17
18	T	0.01	T	T	0.25	0.17	0.05	0.01	0.02																		18
19																											19
20																											20
21							T	T																			21
22																											22
23																											23
24																											24
25																											25
26		0.03	0.04	0.03	0.19	0.05	T	0.06	0.01																		26
27																											27
28																											28
29															T	T											29
30																											30

Maximum Short Duration Precipitation

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (inches)	0.66	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.74	0.75	0.81
Ending Date Time (yyyy-mm-dd hh:mi)	2022-04-06 17:48	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-06 17:51	2022-04-12 08:09	2022-04-12 08:20

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