

# Local Climatological Data Daily Summary May 2022

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

Generated on 06/16/2022

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		
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>		
01	80	61	71	8.6				0	6	0545	1924	RA BR	0.09			29.02		1.7	24	200	9	200		
02	82	53	68	5.3				0	3	0544	1925	BR	0.00			29.10		1.2	14	270	9	270		
03	85	59	72	9.1				0	7	0542	1926		0.00			29.02		2.4	29	220	13	190		
04	83	61	72	8.8				0	7	0541	1927	RA	T			29.05		3.8	24	280	13	300		
05	82	54	68	4.6				0	3	0540	1927	RA FG BR	0.62			29.05		1.4	13	080	8	100		
06	71	58	65	1.3				0	0	0539	1928	RA BR	0.64			28.76		1.6	32	190	14	260		
07	66	56	61	-2.9				4	0	0538	1929	RA	T			28.77		4.3	20	270	10	310		
08	68	53	61	-3.2				4	0	0537	1930		0.00			28.97		1.5	14	090	8	080		
09	78	53	66	1.5				0	1	0536	1931		0.00			29.15		1.7	11	100	7	150		
10	82	54	68	3.3				0	3	0536	1932	FG BR	0.00			29.23		0.5	10	130	7	090		
11	87	60	74	9.0				0	9	0535	1932		0.00			29.20		1.3	12	290	7	310		
12	85	57	71	5.7				0	6	0534	1933		0.00			29.13		1.2	13	340	7	090		
13	83	61	72	6.4				0	7	0533	1934		0.00			29.07		1.0	26	160	16	140		
14	82	61	72	6.2				0	7	0532	1935	RA	T			29.03		0.4	15	270	9	270		
15	81	62	72	5.9				0	7	0531	1936	RA	0.01			28.98		0.9	12	260	8	270		
16	81	58	70	3.6				0	5	0531	1936		0.00			28.92		2.0	17	330	9	330		
17	83	52*	68	1.3				0	3	0530	1937		0.00			29.07		0.7	12	290	8	280		
18	85	56	71	4.0				0	6	0529	1938		0.00			29.03		2.2	20	230	9	200		
19	90	65	78	10.8				0	13	0528	1939		0.00			28.89		1.9	19	200	8	210		
20	90	71	81	13.5				0	16	0528	1940		0.00			28.92		3.2	27	200	12	210		
21	88	70	79	11.2				0	14	0527	1940	RA	T			29.14		1.4	18	250	9	240		
22	87	68	78	9.9				0	13	0526	1941	RA BR	0.12			29.18		2.2	19	260	12	260		
23	72	60	66	-2.4				0	1	0526	1942	RA BR	0.58			29.13		1.1	13	070	7	070		
24	76	60	68	-0.7				0	3	0525	1943		T			29.13		0.9	12	090	8	090		
25	85	66	76	7.0				0	11	0525	1943	RA FG BR	0.27			29.13		1.5	22	220	8	200		
26	75	66	71	1.7				0	6	0524	1944	RA FG BR	1.44			29.03		1.6	25	200	12	200		
27	76	61	69	-0.6				0	4	0524	1945	RA FG BR	0.44			28.90		2.8	25	260	14	270		
28	75	58	67	-2.9				0	2	0523	1946		0.00			29.00		0.1	10	330	6	130		
29	85	58	72	1.8				0	7	0523	1946	FG BR	0.00			29.05		0.9	13	130	8	130		
30	88	63	76	5.5				0	11	0522	1947		T			29.11		1.4	15	190	8	280		
31	90*	67	79	8.2				0	14	0522	1948	HZ	0.00			29.14		1.4	14	120	7	290		
<b>Monthly Averages   Totals</b>													4.22			29.04	29.98	1.6						
<b>Departure from Normal (1981-2010)</b>													-0.07											

Degree Days				Number of days with...										
Monthly		Season-to-date		Temperature				Precipitation		Snow	Weather			
Total	Departure	Total	Departure	Max		Min								
Heating	9	-50	3195	>=90°	<=32°	<=32°	<=0°	>=0.01"	>=0.1"	>=1"	T-Storms	Heavy Fog		
Cooling	185	72	220	3	0	0	0	10s	7			5		
<b>Date of 5-sec to 3-sec wind equipment change</b>				<b>Sea Level Pressure</b>				<b>Greatest...</b>						
2007-03-22				<b>Maximum</b>		30.30		<b>Date</b>	10	<b>Time</b>		0844		<b>Snow Depth</b>
				<b>Minimum</b>		29.49		06	1459		1.44	<b>Snowfall</b>		
				<b>Date</b>										26-26
<b>Station Augmentation</b>														
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 May 2022

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

Generated on 06/16/2022

Date	Time (LST)	Station Type	Sky Conditions	Visi-bility	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)											
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 47	10.00		73	22.8	64	17.8	58	14.4	59	0	000		29.01	8	+0.01	29.94	FM-15	0.00	29.98
01	0153	6	OVC:08 49	10.00		71	21.7	63	17.2	58	14.4	63				29.01			29.93	FM-15	0.00	29.98
01	0253	7	SCT:04 55	10.00		71	21.7	63	17.2	58	14.4	63	0	000		28.99			29.92	FM-15	0.00	29.96
01	0353	7	BKN:07 45 OVC:08 60	10.00		71	21.7	63	17.2	58	14.4	63	0	000		28.99	8	+0.03	29.91	FM-15	0.00	29.96
01	0453	7	BKN:07 34 OVC:08 43	10.00		69	20.6	63	17.2	59	15.0	70	0	000		29.01			29.94	FM-15	0.00	29.98
01	0534	7	OVC:08 28	10.00		69	20.6	63	17.2	59	15.0	70	3	220		29.01				FM-16		29.98
01	0553	7	OVC:08 27	10.00		69	20.6	63	17.2	59	15.0	70	0	000		29.00			29.93	FM-15	0.00	29.97
01	0635	6	SCT:04 18 BKN:07 22 OVC:08 28	1.75	+RA:02 BR:1  RA  RA	66	18.9	64	17.8	62	16.7	87				29.03				FM-16		30.00
01	0642	7	BKN:07 16 OVC:08 22	4.00	-RA:02 BR:1  RA  RA	66	18.9	64	17.8	63	17.2	90	5	VRB		29.03				FM-16	0.09	30.00
01	0653	7	OVC:08 16	10.00		66	18.9	65	18.3	64	17.8	93	0	000		29.04	3	-0.05	29.97	FM-15	0.09	30.01
01	0731	7	OVC:08 14	10.00		66	18.9	64	17.8	63	17.2	90	3	VRB		29.05				FM-16		30.02
01	0753	7	OVC:08 13	10.00		66	18.9	65	18.3	64	17.8	93	3	200		29.04			29.98	FM-15	0.00	30.01
01	0853	7	OVC:08 13	10.00		67	19.4	65	18.3	64	17.8	91	0	000		29.06			30.00	FM-15	0.00	30.03
01	0923	7	BKN:07 15 OVC:08 21	10.00		68	20.0	65	18.3	64	17.8	87	3	VRB		29.07				FM-16		30.04
01	0953	7	OVC:08 19	10.00		69	20.6	66	18.9	64	17.8	84	0	000		29.08	3	-0.04	30.02	FM-15	0.00	30.05
01	1053	7	BKN:07 17 OVC:08 23	10.00		71	21.7	67	19.4	65	18.3	81	0	000		29.08			30.02	FM-15	0.00	30.05
01	1125	7	SCT:04 20 BKN:07 38 OVC:08 75	10.00		72	22.2	67	19.4	64	17.8	76	3	VRB		29.07				FM-16		30.04
01	1151	6	BKN:07 19 BKN:07 26 BKN:07 80	10.00		73	22.8	67	19.4	64	17.8	74	5	VRB		29.06				FM-16		30.03
01	1153	7	BKN:07 21 BKN:07 26 BKN:07 80	10.00		72	22.2	67	19.4	64	17.8	76	5	VRB		29.06			29.99	FM-15	0.00	30.03
01	1226	6	FEW:02 22 SCT:04 26 BKN:07 31	10.00		74	23.3	67	19.4	63	17.2	69				29.05				FM-16		30.02
01	1253	6	SCT:04 26 BKN:07 47 OVC:08 65	10.00		74	23.3	67	19.4	63	17.2	69				29.05	8	+0.03	29.98	FM-15	0.00	30.02
01	1353	7	FEW:02 30 BKN:07 37 BKN:07 44	10.00		75	23.9	67	19.4	62	16.7	64	7	150		29.02			29.95	FM-15	0.00	29.99
01	1453	7	FEW:02 34 FEW:02 55	10.00		79	26.1	68	20.0	62	16.7	56	5	VRB		29.00			29.93	FM-15	0.00	29.97
01	1553	7	FEW:02 48	10.00		79	26.1	68	20.0	62	16.7	56	3	VRB		28.98	6	+0.06	29.91	FM-15	0.00	29.95
01	1653	7	FEW:02 43	10.00		79	26.1	68	20.0	61	16.1	54	3	VRB	20	28.98			29.91	FM-15	0.00	29.95
01	1753	7	FEW:02 60	10.00		78	25.6	66	18.9	58	14.4	50	5	VRB		28.98			29.91	FM-15	0.00	29.95
01	1853	7	SCT:04 65	10.00		77	25.0	66	18.9	59	15.0	54	0	000		28.98	3	0.00	29.92	FM-15	0.00	29.95
01	1953	7	SCT:04 65	10.00		75	23.9	63	17.2	55	12.8	50	3	260		29.02			29.95	FM-15	0.00	29.99
01	2053	7	CLR:00	10.00		69	20.6	61	16.1	56	13.3	63	0	000		29.04			29.98	FM-15	0.00	30.01
01	2153	7	CLR:00	10.00		68	20.0	61	16.1	56	13.3	65	3	VRB		29.06	1	-0.07	29.99	FM-15	0.00	30.03
01	2253	7	CLR:00	10.00		65	18.3	60	15.6	56	13.3	73	0	000		29.06			30.00	FM-15	0.00	30.03

01	2353	7	CLR:00	10.00		61	16.1	58	14.4	56	13.3	84	0	000		29.08			30.02	FM-15	0.00	30.05
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U.S. Department of Commerce  
 National Oceanic & Atmospheric Administration  
 National Environmental Satellite, Data, and Information Service

**Local Climatological Data**  
**Hourly Remarks**  
**May 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 06/16/2022

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

Date	Time (LST)	Remarks
01	0053	MET11105/01/22 00:53:02 METAR KOQT 010553Z 00000KT 10SM OVC047 23/14 A2998 RMK AO2 SLP138 T02280144 10250 20222 58005
01	0153	MET09305/01/22 01:53:02 METAR KOQT 010653Z KT 10SM OVC049 22/14 A2998 RMK AO2 SLP137 T02170144
01	0253	MET09305/01/22 02:53:02 METAR KOQT 010753Z 00000KT 10SM SCT055 22/14 A2996 RMK AO2 SLP132 T02170144
01	0353	MET10605/01/22 03:53:02 METAR KOQT 010853Z 00000KT 10SM BKN045 OVC060 22/14 A2996 RMK AO2 SLP129 T02170144 58009
01	0453	MET10005/01/22 04:53:02 METAR KOQT 010953Z 00000KT 10SM BKN034 OVC043 21/15 A2998 RMK AO2 SLP138 T02060150
01	0534	MET08605/01/22 05:34:02 SPECI KOQT 011034Z 22003KT 10SM OVC028 21/15 A2998 RMK AO2 T02060150
01	0553	MET09305/01/22 05:53:02 METAR KOQT 011053Z 00000KT 10SM OVC027 21/15 A2997 RMK AO2 SLP137 T02060150
01	0635	MET12205/01/22 06:35:02 SPECI KOQT 011135Z KT 1 3/4SM +RA BR SCT018 BKN022 OVC028 19/17 A3000 RMK AO2 RAB10 P0003 T01890167
01	0642	MET11105/01/22 06:42:02 SPECI KOQT 011142Z VRB04KT 4SM -RA BR BKN016 OVC022 19/17 A3000 RMK AO2 RAB10 P0009 T01890172
01	0653	MET13805/01/22 06:53:02 METAR KOQT 011153Z 00000KT 10SM OVC016 19/18 A3001 RMK AO2 RAB10E47 SLP149 P0009 60009 70009 T01890178 10228 20189 53017
01	0731	MET08605/01/22 07:31:02 SPECI KOQT 011231Z VRB03KT 10SM OVC014 19/17 A3002 RMK AO2 T01890172
01	0753	MET09305/01/22 07:53:02 METAR KOQT 011253Z 20003KT 10SM OVC013 19/18 A3001 RMK AO2 SLP152 T01890178
01	0853	MET09305/01/22 08:53:02 METAR KOQT 011353Z 00000KT 10SM OVC013 19/18 A3003 RMK AO2 SLP158 T01940178
01	0923	MET09305/01/22 09:23:02 SPECI KOQT 011423Z VRB03KT 10SM BKN015 OVC021 20/18 A3004 RMK AO2 T02000178
01	0953	MET09905/01/22 09:53:02 METAR KOQT 011453Z 00000KT 10SM OVC019 21/18 A3005 RMK AO2 SLP165 T02060178 53015
01	1053	MET10005/01/22 10:53:02 METAR KOQT 011553Z 00000KT 10SM BKN017 OVC023 22/18 A3005 RMK AO2 SLP165 T02170183
01	1125	MET10005/01/22 11:25:02 SPECI KOQT 011625Z VRB03KT 10SM SCT020 BKN038 OVC075 22/18 A3004 RMK AO2 T02220178
01	1151	MET09505/01/22 11:51:02 SPECI KOQT 011651Z VRB04KT 10SM BKN019 BKN026 BKN080 23/18 A3003 RMK AO2 FIBI
01	1153	MET10705/01/22 11:53:02 METAR KOQT 011653Z VRB04KT 10SM BKN021 BKN026 BKN080 22/18 A3003 RMK AO2 SLP156 T02220178
01	1226	MET10005/01/22 12:26:02 SPECI KOQT 011726Z KT 10SM FEW022 SCT026 BKN031 23/17 A3002 RMK AO2 T02330172
01	1253	MET12505/01/22 12:53:02 METAR KOQT 011753Z KT 10SM SCT026 BKN047 OVC065 23/17 A3002 RMK AO2 SLP152 T02330172 10233 20189 58010
01	1353	MET10705/01/22 13:53:02 METAR KOQT 011853Z 15006KT 10SM FEW030 BKN037 BKN044 24/17 A2999 RMK AO2 SLP141 T02390167
01	1453	MET10005/01/22 14:53:02 METAR KOQT 011953Z VRB04KT 10SM FEW034 FEW055 26/17 A2997 RMK AO2 SLP134 T02610167
01	1553	MET09905/01/22 15:53:02 METAR KOQT 012053Z VRB03KT 10SM FEW048 26/17 A2995 RMK AO2 SLP128 T02610167 56022
01	1653	MET09605/01/22 16:53:02 METAR KOQT 012153Z VRB03G17KT 10SM FEW043 26/16 A2995 RMK AO2 SLP127 T02610161
01	1753	MET09305/01/22 17:53:02 METAR KOQT 012253Z VRB04KT 10SM FEW060 26/14 A2995 RMK AO2 SLP127 T02560144
01	1853	MET11105/01/22 18:53:02 METAR KOQT 012353Z 00000KT 10SM SCT065 25/15 A2995 RMK AO2 SLP131 T02500150 10267 20228 53001
01	1953	MET09305/01/22 19:53:01 METAR KOQT 020053Z 26003KT 10SM SCT065 24/13 A2999 RMK AO2 SLP142 T02390128
01	2053	MET09005/01/22 20:53:01 METAR KOQT 020153Z 00000KT 10SM CLR 21/13 A3001 RMK AO2 SLP152 T02060133
01	2153	MET09605/01/22 21:53:01 METAR KOQT 020253Z VRB03KT 10SM CLR 20/13 A3003 RMK AO2 SLP157 T02000133 51024
01	2253	MET09005/01/22 22:53:02 METAR KOQT 020353Z 00000KT 10SM CLR 18/13 A3003 RMK AO2 SLP160 T01830133
01	2353	MET10005/01/22 23:53:02 METAR KOQT 020453Z 00000KT 10SM CLR 16/13 A3005 RMK AO2 SLP166 T01610133 402670161

## Local Climatological Data Hourly Precipitation May 2022

Generated on 06/16/2022

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							0.09																		01				
02																									02				
03																									03				
04							T	T																	04				
05																						T	T	T	0.62	05			
06	0.15	T	0.01	T	T		T	T	0.03	T	0.02	0.05	0.01	0.05	0.07	0.07	0.06	0.02			T	T	0.02	0.08		06			
07		T					T	T								T	T				T					07			
08																										08			
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10																										10			
11																										11			
12																										12			
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15		0.01	T																							15			
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17																										17			
18																										18			
19																0.01										19			
20																										20			
21																										21			
22																										22			
23	T		0.04	0.03	0.01	0.02	0.04	0.01	0.04	0.09	0.09	0.06	0.05	0.04	0.03	0.03	T								0.07	0.05	T	23	
24																												T	24
25	0.24	0.03	T																										25
26			0.01	0.03	T	0.85	0.07	0.01	T																				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)	0.42	0.52	0.53	0.57	0.72	0.88	0.89	0.91	0.91	0.92	0.93	0.93
Ending Date Time (yyyy-mm-dd hh:mi)	2022-05-05 23:51	2022-05-05 23:55	2022-05-06 00:00	2022-05-26 05:43	2022-05-26 05:53	2022-05-26 06:02	2022-05-26 06:14	2022-05-26 06:28	2022-05-26 06:57	2022-05-26 07:11	2022-05-26 07:11	2022-05-26 07:11

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