



# MAY 2013 LOCAL CLIMATOLOGICAL DATA

## NOAA, National Climatic Data Center

OAK RIDGE, TN  
OAK RIDGE (KOQT)  
Lat:36° 1'N Long: 84° 14'W Elev (Ground) 910 Feet  
Time Zone : EASTERN WBAN: 53868 ISSN#: 0198-487X



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24	
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		LST 11	LST 12	LST 13	LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM						
																			3-SEC		2-MIN				
20	21	22	23	24																					
01	79	55	67	6	53	59	0	2				0.00	29.16		1.8	06	3.2	18	07	14	09	01			
02	79	54	67	5	54	59	0	2				0.00	29.18	30.14	1.0	08	2.1	14	07	8	06	02			
03	77	55	66	4	52	58	0	1	RA			0.01	29.08	30.02	2.9	08	4.3	18	17	13	16	03			
04	63	54	59	-3	50	53	6	0	RA BR			0.82	28.98	29.93	2.7	07	3.2	18	10	12	08	04			
05	59	51	55	-8	53	53	10	0	RA BR			2.02	28.87	29.83	1.0	07	1.9	16	22	10	23	05			
06	61	49	55	-8	47	50	10	0	RA BR			0.24	28.89	29.87	0.8	25	2.3	15	21	9	19	06			
07	70	46	58	-5	51	54	7	0	RA FG BR			0.09	28.97	29.94	0.6	12	0.8	12	09	8	08	07			
08	76	57	67	4	57	60	0	2	RA BR			0.05	29.03	30.00	1.0	26	2.8	17	32	10	31	08			
09	80	53	67	3	57	61	0	2	FG+ FG BR			0.00	29.10	30.06	0.9	19	1.3	16	21	10	20	09			
10	73	56	65	1	58	61	0	0	RA BR			0.03	29.05	29.99	1.5	22	2.4	16	21	10	21	10			
11	77	52	65	1	57	60	0	0	RA BR			0.06	28.97	29.92	2.2	27	3.5	22	28	14	26	11			
12	66	46	56	-9	34	47	9	0				0.00	29.10	30.08	1.6	31	3.5	22	33	14	33	12			
13	68	38*	53*	-12	33	45	12	0				0.00	29.21	30.20	1.4	27	2.8	20	33	13	28	13			
14	79	40	60	-5	46	53	5	0				0.00	29.19	30.15	2.4	20	3.6	21	20	14	21	14			
15	88	60	74	9	54	62	0	9				0.00	29.10	30.04	1.8	21	3.9	18	21	12	20	15			
16	84	59	72	6	58	62	0	7	RA			0.01	29.06	30.00	0.5	20	1.7	17	27	10	19	16			
17	80	60	70	4	62	64	0	5	RA FG BR			1.11	29.10	30.04	0.6	20	0.8	46*	08	31*	09	17			
18	74	64	69	3	66	67	0	4	RA BR			0.50	29.08	30.02	0.3	19	0.4	12	20	8	21	18			
19	75	62	69	3	65	66	0	4	RA BR			0.23	29.08	30.02	0.6	22	1.2	29	22	14	23	19			
20	83	59	71	4	64	66	0	6	FG+ FG BR			0.00	29.10	30.04	1.4	18	1.9	14	19	8	18	20			
21	87	64	76	9	65	68	0	11	RA BR			0.03	29.03	29.97	1.0	22	2.3	38	30	20	28	21			
22	86	63	75	8	64	67	0	10	RA			0.07	28.96	29.89	1.6	25	2.3	24	19	14	26	22			
23	83	63	73	5	59	63	0	8	FG BR			0.00	28.98	29.93	1.9	26	4.3	28	27	16	27	23			
24	73	51	62	-6	46	54	3	0	RA			T	29.21	30.19	1.0	35	3.2	20	01	13	07	24			
25	77	45	61	-7	45	53	4	0				0.00	29.32	30.29	0.2	07	1.6	10	35	8	20	25			
26	77	55	66	-2	51	57	0	1	RA			0.06	29.27	30.23	0.5	10	0.7	13	16	8	16	26			
27	85	54	70	1	55	61	0	5				0.00	29.21	30.15	1.6	23	2.5	21	26	13	20	27			
28	87	63	75	6	59	65	0	10				0.00	29.16	30.10	1.1	22	2.7	21	19	13	19	28			
29	88	61	75	6	61	66	0	10				0.00	29.18	30.12	1.0	21	2.8	18	19	10	19	29			
30	88	63	76	7	62	67	0	11				0.00	29.20	30.14	0.8	20	2.1	21	18	10	19	30			
31	88*	63	76*	6	62	67	0	11				0.00	29.16	30.08	3.0	20	3.7	22	15	15	16	31			
77.7		55.3	66.5	☼	54.8	59.6	2.1	3.9	< MONTHLY AVERAGES   TOTALS >				5.33	29.10	30.05	0.5	21	2.4	< MONTHLY AVERAGES						
-0.6		0.1	-0.3		-----DEPARTURE FROM NORMAL ----->				1.04	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3															
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 2.17 DATE : 05-06				SEA LEVEL PRESSURE				DATE		TIME						
MONTHLY					SEASON TO DATE				GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.37		25		0709				
TOTAL DEPARTURE					TOTAL DEPARTURE				GREATEST SNOW DEPTH :				MINIMUM :				29.77		06		0325				
HEATING :		66		7		3618		-76		NUMBER OF ->		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :		15			
COOLING :		121		8		155		11		THUNDERSTORMS :		0		HEAVY FOG :		2		PRECIPITATION >= 0.10 INCH :		6		SNOWFALL >= 1.0 INCH :			

MAY 2013  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
MAY 2013

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			
01													01												01	0.00	0.00	
02													02												02	0.00	0.00	
03													03			0.01	T							03	0.01	0.01		
04													04	0.01	0.02	0.07	0.14	0.08	0.09	0.12	0.01	0.06	0.04	0.05	0.07	0.4	0.82	0.82
05	0.07	0.02	T	0.05	0.10	0.16	0.14	0.14	0.12	0.11	0.15	0.15	05	0.07	0.07	0.06	0.02	0.07	T	0.05	0.19	0.12	0.01	0.13	0.02	05	2.02	2.02
06	0.05	0.07	0.12	T									06	T	T	T									06	0.24	0.24	
07													07			0.03	0.06	T				T			07	0.09	0.09	
08	T		0.03	T									08			0.01	T		0.01	T				08	0.05	0.05		
09													09												09	0.00	0.00	
10													10									T	0.03		10	0.03	0.03	
11		T	0.02	0.04	T								11												11	0.06	0.06	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16						T	T	T	0.01			16	0.01	0.01	
17													17				T		T	0.01	0.31				17	1.11	1.11	
18	0.01	T	0.01	T	0.02	0.23	0.13	0.03	0.02		T	T	18	0.01	0.01	T	T		0.03						18	0.50	0.50	
19		T	0.01	0.12							T		19	0.07	0.03											19	0.23	0.23
20													20													20	0.00	0.00
21													21					T	0.03	T					21	0.03	0.03	
22													22					T	0.04						22	0.07	0.07	
23													23												23	0.00	0.00	
24				T	T			T					24												24	T	T	
25													25												25	0.00	0.00	
26					T	0.05	0.01	T					26												26	0.06	0.06	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

\* Indicates sum of Hourly and Daily disagree.

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.31	0.52	0.68	0.78	0.79	0.79	0.79	0.80	0.80	0.80	0.80	0.80
Ending Date	17	17	17	17	17	17	17	18	18	18	18	18
Ending Time (Hr/Min)	1939	2349	2353	2358	2358	2358	2358	0044	0044	0044	0044	0044

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. NWS does not edit ASOS hourly values but may edit daily and monthly totals. Hourly, daily, and monthly totals are printed as reported by the ASOS site.

Date and time are not entered for TRACE amounts.

# REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one).

T = Trace precipitation amount.

+ = also occurs on earlier date.

FG+ = Heavy fog, visibility .25 miles or less.

BLANK entries denote missing or unreported data.

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24-hour period ending at the time indicated in the column heading.

Ceilometer (30-second) data are used to derive cloudiness at or below 12,000 feet. This cloudiness is the mean cloud cover detected during sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

## WEATHER NOTATIONS

QUALIFIER	WEATHER PHENOMENA		
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER
BC Patches	DZ Drizzle	BR Mist	DS Duststorm
BL Blowing	GR Hail	DU Widespread Dust	FC Funnel Cloud
DR Low Drifting	GS Small Hail and/or Snow Pellets	FG Fog	+FC Tornado Waterspout
FZ Freezing	IC Ice Crystals	FU Smoke	PO Well-Developed Dust/Sand Whirls
MI Shallow	PL Ice Pellets	HZ Haze	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unkown Precipitation		GL Glaze

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    '' = Moderate    '-' = Light

# OAK RIDGE, TN MAY 2013

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet.

Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Snow Depth, Snowfall, and Sunshine data may come from nearby sites that the National Weather Service deems Climatologically representative of this site.

**NORMALS ARE FOR THE YEARS 1981-2010**

### ADDITIONAL NOTES & ERRATA:

Station Augmentation-OAK RIDGE ATDD COOP  
Lat/Lon:36.00278/-84.24861 Elevation:905FT  
Distance:1.5 MI Dir:SW  
Augmented Elements:Temp,Precip,Snow  
Equipment:Pcpn-Model TRP525M, Temp Vaisala HMP35C,  
Snow Board, Snow Stick

Beginning with the January 2013 LCD, monthly mean temperature calculations have changed to the National Data Stewardship Team standard. Monthly maximum and minimum temperature are not rounded until after monthly mean temperature is calculated. This is the most accurate outcome, but may be slightly different from the mean derived from rounded monthly maximum and minimum.

Date	VISIBILITY (MILES)	
	MINIMUM	MAXIMUM
01	9.00	10.00
02	10.00	10.00
03	6.00	10.00
04	2.50	10.00
05	1.75	10.00
06	5.00	10.00
07	0.50	10.00
08	4.00	10.00
09	0.25	10.00
10	4.00	10.00
11	5.00	10.00
12	10.00	10.00
13	10.00	10.00
14	10.00	10.00
15	10.00	10.00
16	10.00	10.00
17	0.50	10.00
18	2.00	10.00
19	6.00	10.00
20	0.00	10.00
21	5.00	10.00
22	9.00	10.00
23	0.50	10.00
24	10.00	10.00
25	10.00	10.00
26	9.00	10.00
27	10.00	10.00
28	10.00	10.00
29	10.00	10.00
30	10.00	10.00
31	10.00	10.00
<b>AVGS</b>	6.45	10.00
<b>MINIMUM VISIBILITY (MILES)</b>		
<= .25	<= 3.0	>= 7.0
2	8	16

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)					
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
<b>SUNRISE: 0545</b>					<b>MAY 01</b>					<b>SUNSET: 1923</b>					<b>SUNRISE: 0539</b>					<b>MAY 07</b>					<b>SUNSET: 1928</b>				
01	OVC	065	10.00		61	55	58	81	0	00	29.14	30.09	01	SCT	080	10.00		50	48	49	93	0	00	28.94	29.91				
04	CLR	NC	10.00		58	54	56	87	0	00	29.14	30.09	04	OVC	060	2.50	BR	47	46	47	97	0	00	28.95	29.92				
07	CLR	NC	10.00		58	55	56	90	0	00	29.19	30.14	07	BKN	050	10.00		48	47	47	96	3	22	28.99	29.96				
10			10.00								29.24		10	CLR	NC	10.00		62	48	54	60	0	00	28.99	29.96				
13	CLR	NC	10.00		77	56	64	48	6	07	29.18	30.13	13	BKN	120	10.00		66	49	57	54	0	00	28.99	29.95				
16	CLR	NC	10.00		77	53	63	43	9	07	29.16	30.11	16	BKN	070	10.00		68	50	58	53	5	08	28.95	29.91				
19	CLR	NC	10.00		72	53	61	52	0	00	29.16	30.12	19	BKN	100	10.00		63	57	60	81	0	00	28.98	29.94				
22	CLR	NC	10.00		67	51	58	57	5	05	29.20		22	OVC	075	10.00	-RA	59	57	58	93	0	00	29.02	29.97				
<b>SUNRISE: 0544</b>					<b>MAY 02</b>					<b>SUNSET: 1924</b>					<b>SUNRISE: 0538</b>					<b>MAY 08</b>					<b>SUNSET: 1929</b>				
01	OVC	047	10.00		61	52	56	72	0	00	29.20	30.15	01	OVC	085	10.00		57	56	56	96	0	00	29.00	29.95				
04	CLR	NC	10.00		56	52	54	87	0	00	29.20	30.15	04	OVC	070	10.00	-RA	57	56	56	96	0	00	28.99	29.94				
07	CLR	NC	10.00		56	52	54	87	0	00	29.21	30.17	07	FEW	004	10.00		58	56	57	93	5	25	29.04	30.00				
10	CLR	NC	10.00		66	54	59	65	5	06	29.24	30.19	10	BKN	065	10.00		64	58	60	81	5	VR	29.06	30.02				
13	BKN	050	10.00		74	55	63	52	3	VR	29.21	30.16	13	BKN	090	10.00		71	57	63	61	7	VR	29.05	30.00				
16	FEW	050	10.00		78	55	64	45	5	VR	29.15	30.11	16	OVC	100	10.00		74	54	62	50	3	VR	29.02	29.97				
19	BKN	100	10.00		72	55	62	55	5	07	29.13	30.09	19	CLR	NC	10.00		68	60	63	76	3	20	29.04	29.99				
22	OVC	095	10.00		68	55	60	63	0	00	29.17	30.12	22	CLR	NC	10.00		62	59	60	90	0	00	29.12	30.07				
<b>SUNRISE: 0543</b>					<b>MAY 03</b>					<b>SUNSET: 1925</b>					<b>SUNRISE: 0537</b>					<b>MAY 09</b>					<b>SUNSET: 1930</b>				
01	CLR	NC	10.00		60	55	57	84	0	00	29.15	30.10	01	CLR	NC	4.00	BR	57	56	56	96	0	00	29.10	30.05				
04	CLR	NC	10.00		57	53	55	87	0	00	29.13	30.07	04	OVC	110	4.00	BR	55	55	55	100	0	00	29.10	30.05				
07	CLR	NC	10.00		57	53	55	87	0	00	29.13	30.09	07	VV	002	0.25	FG	54	54	54	100	0	00	29.13	30.10				
10	CLR	NC	10.00		69	53	60	57	8	07	29.10	30.05	10	CLR	NC	10.00		70	60	64	71	3	VR	29.15	30.10				
13	SCT	048	10.00		73	52	61	48	8	09	29.06	30.00	13	BKN	110	10.00		78	55	64	45	10	21	29.13	30.08				
16	OVC	080	6.00	-RA	69	55	61	61	0	00	29.02	29.97	16	SCT	100	10.00		78	55	64	45	0	00	29.09	30.03				
19	SCT	070	10.00		68	49	57	51	5	09	29.03	29.98	19	CLR	NC	10.00		75	57	64	54	0	00	29.07	30.02				
22	BKN	060	10.00		65	48	56	54	6	09	29.03	29.98	22	CLR	NC	10.00		65	60	62	84	0	00	29.10	30.05				
<b>SUNRISE: 0542</b>					<b>MAY 04</b>					<b>SUNSET: 1926</b>					<b>SUNRISE: 0536</b>					<b>MAY 10</b>					<b>SUNSET: 1931</b>				
01	OVC	060	10.00		63	47	54	56	0	00	29.00	29.94	01	CLR	NC	10.00		61	58	59	90	0	00	29.10	30.04				
04	OVC	055	10.00		61	47	54	60	7	08	28.97	29.91	04	CLR	NC	6.00	BR	58	56	57	93	0	00	29.08	30.02				
07	OVC	060	10.00		59	38	49	46	6	07	29.00	29.95	07	FEW	055	6.00	BR	58	56	57	93	0	00	29.08	30.02				
10	OVC	100	10.00	-RA	56	48	52	75	5	06	28.98	29.93	10	BKN	050	10.00		70	58	63	66	7	25	29.10	30.04				
13	OVC	090	10.00		57	53	55	87	0	00	28.98	29.93	13	SCT	080	10.00		72	59	64	64	5	VR	29.07	30.01				
16	OVC	044	2.50	RA BR	56	55	55	97	0	00	28.98	29.93	16	CLR	NC	10.00		71	59	64	66	5	19	29.01	29.96				
19	OVC	070	4.00	RA BR	55	54	54	96	0	00	28.97	29.94	19	OVC	110	10.00		69	58	62	68	3	VR	28.99	29.93				
22	OVC	080	7.00	-RA	54	53	53	97	5	VR	28.96	29.93	22	OVC	070	10.00	-RA	68	56	61	65	3	23	29.01	29.95				
<b>SUNRISE: 0541</b>					<b>MAY 05</b>					<b>SUNSET: 1927</b>					<b>SUNRISE: 0535</b>					<b>MAY 11</b>					<b>SUNSET: 1932</b>				
01	OVC	070	10.00	-RA	53	52	52	96	6	05	28.90	29.87	01	OVC	060	10.00		63	60	61	90	0	00	29.00	29.94				
04	OVC	046	8.00	-RA	52	51	51	97	0	00	28.85	29.82	04	OVC	036	6.00	-RA BR	61	60	60	97	0	00	28.97	29.92				
07	OVC	049	3.00	RA BR	52	52	52	100	0	00	28.88	29.85	07	OVC	037	5.00	BR	62	61	61	96	0	00	28.98	29.92				
10	OVC	027	3.00	RA BR	54	53	53	97	3	VR	28.89	29.86	10	OVC	033	10.00		66	61	63	84	3	VR	28.98	29.92				
13	OVC	019	1.75	RA BR	56	55	55	97	3	07	28.88	29.84	13	BKN	050	10.00		73	61	66	66	8	27	28.95	29.89				
16	OVC	013	6.00	-RA BR	57	56	56	96	3	VR	28.85	29.81	16	CLR	NC	10.00		75	54	63	48	9	28	28.92	29.86				
19	OVC	044	8.00	-RA	57	56	56	96	3	09	28.83	29.80	19	FEW	042	10.00		67	50	57	55	6	28	28.98	29.92				
22	OVC	015	10.00	-RA	52	50	51	93	7	VR	28.87	29.83	22	CLR	NC	10.00		57	49	53	74	0	00	29.03	29.98				
<b>SUNRISE: 0540</b>					<b>MAY 06</b>					<b>SUNSET: 1927</b>					<b>SUNRISE: 0534</b>					<b>MAY 12</b>					<b>SUNSET: 1932</b>				
01	OVC	045	7.00	-RA	50	49	49	96	6	VR	28.87	29.84	01	OVC	070	10.00		54	50	52	87	0	00	29.06	30.01				
04	OVC	100	10.00		50	48	49	93	0	00	28.83	29.80	04	SCT	090	10.00		56	44	50	65	7	33	29.06	30.00				
07	OVC	010	10.00		50	47	48	89	0	00	28.88	29.85	07	CLR	NC	10.00		52	36	45	55	5	35	29.12	30.07				
10	OVC	037	10.00		55	46	50	72	0	00	28.91	29.88	10	FEW	050	10.00		57	33	46	41	5	VR	29.13	30.11				
13	BKN	090	10.00		58	47	52	67	5	VR	28.90	29.87	13	CLR	NC	10.00		63	28	47	27	6	VR	29.13	30.09				
16	OVC	075	10.00		60	47	53	62	5	VR	28.89	29.86	16	CLR	NC	10.00		65	23	47	20	3	33	29.10	30.06				
19	FEW	085	10.00		57	47	52	69	3	VR	28.91	29.88	19	CLR	NC	10.00		61	25	45	25	6	31	29.13	30.09				
22	OVC	100	10.00		52	50	51	93	0	00	28.97	29.93	22	CLR	NC	10.00		51	35	44	54	0	00	29.17	30.16				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F					WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)																																																																																																									
					DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION		SEA LEVEL	DRY BULB						DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL																																																																																																											
SUNRISE: 0533					MAY 13					SUNSET: 1933					SUNRISE: 0529					MAY 19					SUNSET: 1938																																																																																																								
01	CLR	NC	10.00		45	37	41	74	0	00	29.20	30.18	01	OVC	019	10.00		68	67	67	96	0	00	29.07	30.01	04	OVC	016	10.00		68	67	67	96	0	00	29.07	30.01	07	OVC	016	7.00		68	67	67	96	0	00	29.10	30.03	10	CLR	NC	10.00		58	30	45	35	7	28	29.28	30.25	13	BKN	080	8.00		64	30	48	28	7	VR	29.23	30.21	16	SCT	014	10.00		67	27	49	22	7	26	29.18	30.16	19	CLR	NC	10.00		65	28	48	25	3	32	29.18	30.16	22	CLR	NC	10.00		51	38	45	61	0	00	29.24	30.22	22	CLR	NC	10.00		63	62	62	97	0	00	29.10	30.03
SUNRISE: 0532					MAY 14					SUNSET: 1934					SUNRISE: 0528					MAY 20					SUNSET: 1939																																																																																																								
01	CLR	NC	10.00		45	40	43	83	0	00	29.24	30.22	01	CLR	NC	10.00		62	61	61	96	0	00	29.10	30.05	04	OVC	002	1.50	BR	60	59	59	96	0	00	29.10	30.05	07	CLR	NC	10.00		46	41	44	83	0	00	29.27	30.25	10	OVC	045	10.00	FG	60	60	60	100	0	00	29.13	30.09	13	CLR	NC	10.00		64	38	51	38	5	VR	29.26	30.23	16	CLR	NC	10.00		73	45	58	37	11	21	29.19	30.16	19	CLR	NC	10.00		78	50	62	37	9	20	29.10	30.06	22	CLR	NC	10.00		76	54	63	47	10	19	29.08	30.03	22	CLR	NC	10.00		70	55	61	59	3	24	29.10	30.05
SUNRISE: 0532					MAY 15					SUNSET: 1935					SUNRISE: 0527					MAY 21					SUNSET: 1940																																																																																																								
01	CLR	NC	10.00		65	55	59	70	0	00	29.12	30.06	01	CLR	NC	9.00		68	66	67	93	0	00	29.06	29.98	04	CLR	NC	7.00		66	64	65	93	0	00	29.05	29.98	07	CLR	NC	10.00		63	55	58	76	6	VR	29.17	30.12	10	CLR	NC	10.00		75	56	64	52	7	VR	29.17	30.11	13	CLR	NC	10.00		84	55	66	37	11	18	29.12	30.04	16	BKN	080	10.00		87	53	66	31	8	22	29.05	29.98	19	CLR	NC	10.00		82	52	64	35	3	VR	29.03	29.96	22	CLR	NC	10.00		71	55	62	57	0	00	29.07	30.00													
SUNRISE: 0531					MAY 16					SUNSET: 1936					SUNRISE: 0527					MAY 22					SUNSET: 1940																																																																																																								
01	CLR	NC	10.00		62	54	57	75	0	00	29.07	30.00	01	CLR	NC	9.00		64	63	63	96	0	00	29.00	29.92	04	CLR	NC	10.00		60	53	56	78	0	00	29.06	29.99	07	CLR	NC	10.00		61	54	57	78	0	00	29.10	30.03	10	CLR	NC	10.00		71	56	62	59	7	VR	29.12	30.06	13	CLR	NC	10.00		78	59	66	52	6	VR	29.07	30.01	16	FEW	050	10.00		81	57	66	44	0	00	29.03	29.96	19	BKN	095	10.00		74	61	66	64	0	00	29.03	29.97	22	FEW	090	10.00		67	64	65	91	0	00	29.07	30.01													
SUNRISE: 0530					MAY 17					SUNSET: 1936					SUNRISE: 0526					MAY 23					SUNSET: 1941																																																																																																								
01	CLR	NC	8.00		63	61	62	93	0	00	29.07	30.01	01	OVC	095	10.00		67	65	66	93	0	00	28.95	29.88	04	VV	001	0.50	FG	60	60	60	100	0	00	29.10	30.04	07	OVC	110	7.00		61	61	61	100	0	00	29.13	30.08	10	SCT	110	10.00		72	62	66	71	0	00	29.14	30.08	13	CLR	NC	10.00		78	61	67	56	0	00	29.12	30.06	16	CLR	NC	10.00		78	61	67	56	0	00	29.08	30.01	19	OVC	090	6.00	-RA	70	65	67	84	0	00	29.07	30.02	22	OVC	110	8.00		65	64	64	97	0	00	29.10	30.04													
SUNRISE: 0529					MAY 18					SUNSET: 1937					SUNRISE: 0525					MAY 24					SUNSET: 1942																																																																																																								
01	OVC	055	6.00	-RA BR	66	65	65	96	0	00	29.12	30.05	01	OVC	047	10.00		65	51	57	61	3	VR	29.08	30.01	04	OVC	110	2.50	-RA BR	65	64	64	97	0	00	29.08	30.02	07	OVC	019	2.50	-RA BR	65	64	64	97	0	00	29.10	30.05	10	OVC	025	6.00	BR	66	65	65	96	0	00	29.12	30.06	13	OVC	018	3.00	-RA BR	68	66	67	93	0	00	29.10	30.04	16	OVC	080	10.00		73	68	70	84	0	00	29.06	29.99	19	OVC	085	9.00		71	68	69	90	0	00	29.06	30.00	22	OVC	012	2.50	BR	69	68	68	96	0	00	29.08	30.02													

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2013

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0525 MAY 25					SUNSET: 1943							
01	CLR	NC	10.00		50	45	48	83	0	00	29.33	30.29
04	CLR	NC	10.00		46	44	45	93	0	00	29.35	30.32
07	CLR	NC	10.00		49	46	48	90	3	VR	29.39	30.36
10	CLR	NC	10.00		63	44	53	50	5	VR	29.38	30.35
13	CLR	NC	10.00		71	41	55	34	5	09	29.33	30.30
16	CLR	NC	10.00		76	45	59	33	3	32	29.29	30.25
19	CLR	NC	10.00		73	45	58	37	0	00	29.26	30.23
22	CLR	NC	10.00		61	48	54	63	0	00	29.25	30.22
SUNRISE: 0524 MAY 26					SUNSET: 1943							
01	OVC	100	10.00	-RA	57	49	53	74	0	00	29.26	30.23
04	OVC	110	10.00		57	50	53	78	0	00	29.27	30.22
07	OVC	100	9.00		56	54	55	93	0	00	29.31	30.27
10	OVC	080	10.00		63	51	56	65	0	00	29.34	30.31
13	FEW	110	10.00		72	45	57	38	0	00	29.30	30.26
16	SCT	055	10.00		75	50	61	41	3	19	29.24	30.19
19	CLR	NC	10.00		75	51	61	43	0	00	29.22	30.17
22	CLR	NC	10.00		63	56	59	78	0	00	29.24	30.20
SUNRISE: 0524 MAY 27					SUNSET: 1944							
01	CLR	NC	10.00		58	55	56	90	0	00	29.23	30.19
04	CLR	NC	10.00		55	54	54	96	0	00	29.22	30.18
07	CLR	NC	10.00		57	55	56	93	0	00	29.27	30.22
10	CLR	NC	10.00		72	55	62	55	0	00	29.24	30.19
13	CLR	NC	10.00		81	56	66	42	6	VR	29.20	30.15
16	CLR	NC	10.00		84	53	65	34	9	21	29.15	30.10
19	CLR	NC	10.00		80	56	65	44	7	20	29.13	30.07
22	CLR	NC	10.00		69	58	62	68	0	00	29.15	30.10
SUNRISE: 0523 MAY 28					SUNSET: 1945							
01	CLR	NC	10.00		67	59	62	76	0	00	29.15	30.09
04	CLR	NC	10.00		64	59	61	84	0	00	29.14	30.08
07	CLR	NC	10.00		68	60	63	76	0	00	29.20	30.14
10	CLR	NC	10.00		76	61	67	60	0	00	29.22	30.16
13	CLR	NC	10.00		83	59	68	44	7	23	29.18	30.11
16	BKN	060	10.00		86	59	69	40	5	VR	29.15	30.08
19	CLR	NC	10.00		82	55	65	40	5	VR	29.13	30.06
22	CLR	NC	10.00		75	57	64	54	3	22	29.15	30.08
SUNRISE: 0523 MAY 29					SUNSET: 1946							
01	CLR	NC	10.00		68	58	62	70	0	00	29.15	30.09
04	CLR	NC	10.00		63	59	61	87	0	00	29.19	30.13
07	CLR	NC	10.00		68	60	63	76	0	00	29.23	30.17
10	CLR	NC	10.00		78	61	67	56	3	VR	29.25	30.18
13	SCT	043	10.00		84	63	70	49	0	00	29.22	30.15
16	CLR	NC	10.00		86	61	70	43	5	VR	29.15	30.09
19	CLR	NC	10.00		85	63	71	48	0	00	29.14	30.07
22	CLR	NC	10.00		76	63	68	64	0	00	29.18	30.11
SUNRISE: 0523 MAY 30					SUNSET: 1946							
01	CLR	NC	10.00		67	61	63	81	0	00	29.18	30.11
04	CLR	NC	10.00		64	61	62	90	0	00	29.22	30.15
07	CLR	NC	10.00		67	62	64	84	0	00	29.26	30.20
10	CLR	NC	10.00		79	62	68	56	6	VR	29.26	30.19
13	SCT	047	10.00		84	62	70	48	6	VR	29.22	30.15
16	CLR	NC	10.00		87	60	70	40	3	20	29.15	30.09
19	CLR	NC	10.00		80	66	71	62	6	23	29.14	30.08
22	CLR	NC	10.00		74	65	68	74	0	00	29.17	30.10

HOUR (LST)	SKY COVER	CEILING 100's of FT.	VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)	
					DRY BULB	DEW POINT	WET BULB		SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0522 MAY 31					SUNSET: 1947							
01	CLR	NC	10.00		67	63	65	87	0	00	29.20	30.13
04	CLR	NC	10.00		64	62	63	93	0	00	29.16	30.09
07	CLR	NC	10.00		70	63	66	79	0	00	29.21	30.14
10	CLR	NC	10.00		80	61	68	52	9	20	29.21	30.14
13	CLR	NC	10.00		85	59	68	42	10	19	29.15	30.09
16	BKN	090	10.00		85	61	70	45	5	VR	29.13	30.05
19	CLR	NC	10.00		82	63	70	53	0	00	29.10	30.03
22	CLR	NC	10.00		77	62	67	60	5	21	29.12	30.03

## 3-HOURLY OBSERVATION NOTES

Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8

Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

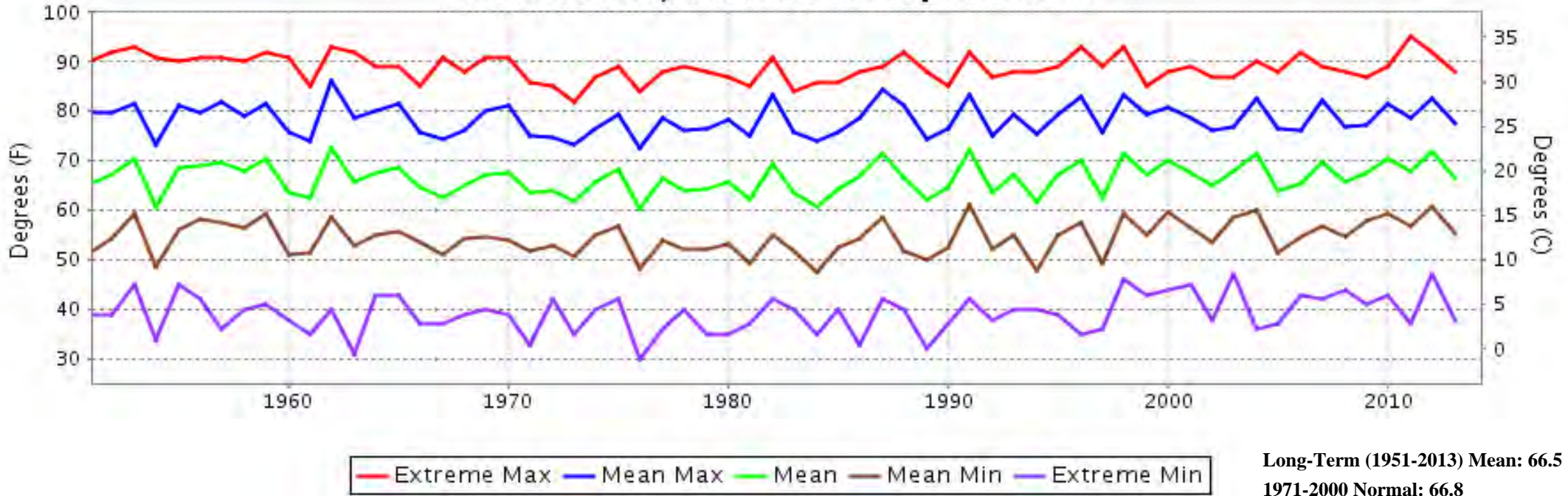
& = Original observation contained additional weather elements.

See page 3 for additional notes.

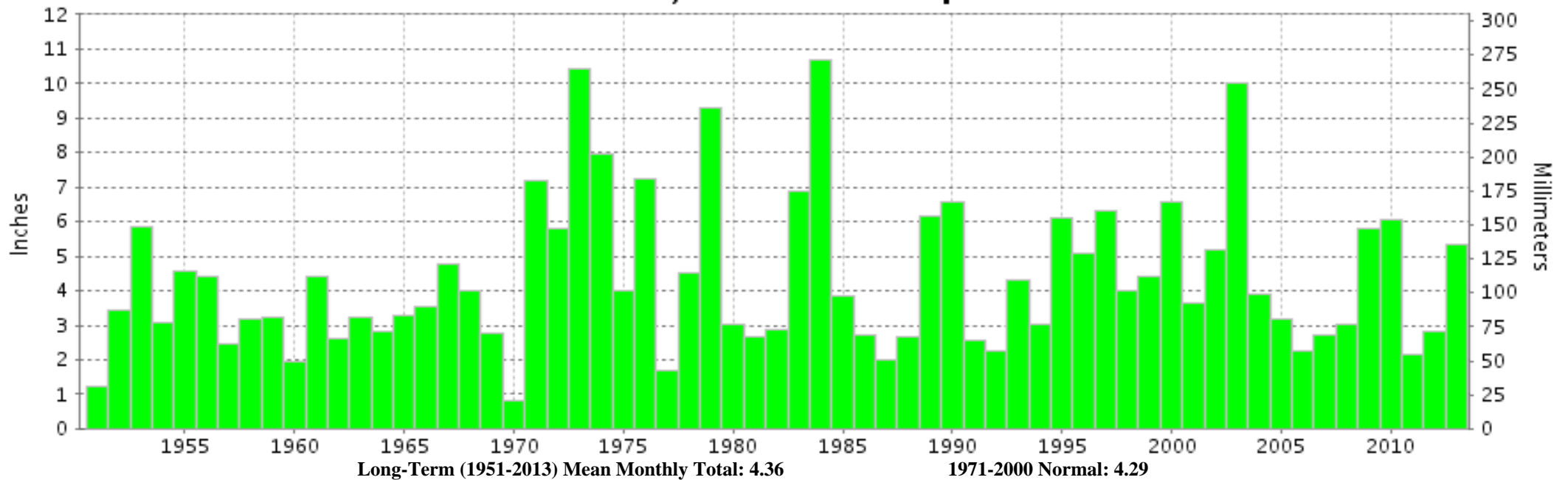
## SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)	
	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
					STATION	SEA LEVEL				
01	60	55	57	85	29.10	30.04	9.45	0	xx	xx
02	59	55	57	86	29.09	30.04	9.04	0	xx	xx
03	59	55	57	88	29.09	30.03	8.81	1	xx	xx
04	58	54	56	89	29.09	30.04	8.26	0	xx	xx
05	57	54	55	89	29.10	30.05	8.26	1	1	15
06	57	54	55	90	29.12	30.07	7.31	1	1	19
07	59	54	56	87	29.13	30.08	8.19	1	1	21
08	62	55	58	79	29.14	30.09	9.19	2	2	11
09	65	55	60	72	29.14	30.09	9.52	3	1	12
10	68	55	60	65	29.14	30.09	9.65	4	0	17
11	70	55	62	60	29.13	30.08	9.60	5	2	26
12	72	55	62	57	29.13	30.07	9.68	5	1	26
13	74	55	62	54	29.11	30.06	9.44	5	1	25
14	75	54	63	52	29.10	30.04	9.53	5	1	26
15	76	54	63	50	29.08	30.02	9.56	5	3	26
16	75	54	63	51	29.07	30.01	9.50	5	2	26
17	74	54	63	52	29.07	30.01	9.65	5	3	27
18	73	54	62	55	29.06	30.01	9.81	4	1	26
19	71	55	62	60	29.07	30.02	9.58	3	1	26
20	68	55	61	66	29.08	30.03	9.77	2	1	24
21	66	56	60	71	29.09	30.03	9.81	1	1	11
22	65	56	59	75	29.10	30.04	9.60	1	1	22
23	63	56	59	79	29.10	30.04	9.65	0	xx	xx
24	62	56	58	82	29.10	30.05	9.15	1	2	12

# OAK RIDGE, TN MAY Temperatures



# OAK RIDGE, TN MAY Precipitation





**MAY 2013  
OAK RIDGE, TN**

**LOCAL CLIMATOLOGICAL DATA  
NOAA, National Climatic Data Center**

*I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA-National Weather Service / Department Of Transportation-Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.*

A handwritten signature in black ink, appearing to read "Thomas R. Karl".

**DIRECTOR**

NCDC now offers free online access to the **Edited Local Climatological Data Publication**. Go to : [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov) and choose Most Popular.

We welcome your questions or comments, please contact us at:  
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Fax Number : 828-271-4876  
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NOAA\National Climatic Data Center  
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Asheville, NC 28801-5001