



MARCH 2014 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			
																			SPEED 20	DIR 21	SPEED 22	DIR 23		
01	60	41	51	7	33	42	14	0	RA			T	29.21	30.22	2.3	21	3.7	19	27	13	25	01		
02	70	49	60*	15	44	50	5	0	RA BR		0.11	0.11	29.11	30.06	1.5	22	4.0	26	25	16	21	02		
03	50	24	37	-8	28	30	28	0	RA FZRA SN BR UP		1.44	1.44	29.07	30.10	4.9	04	7.4	21	01	14	06	03		
04	41	24*	33*	-12	25	29	32	0			0.00	0.00	29.23	30.26	1.4	04	2.9	16	06	10	06	04		
05	57	29	43	-3	28	36	22	0	BR		0.00	0.00	29.18	30.19	2.6	06	3.5	16	03	10	07	05		
06	57	35	46	0	26	38	19	0			0.00	0.00	29.13	30.12	3.1	06	4.4	16	09	12	07	06		
07	64	42	53	7	33	43	12	0			0.00	0.00	29.02	30.00	2.1	06	3.3	13	05	8	13	07		
08	69	34	52	5	33	44	13	0			0.00	0.00	29.09	30.08	0.7	24	2.4	18	21	12	19	08		
09	66	42	54	7	33	44	11	0			0.00	0.00	29.17	30.15	1.1	23	1.9	12	21	9	20	09		
10	71	38	55	8	36	45	10	0			0.00	0.00	29.05	30.00	3.8	22	4.5	21	15	15	20	10		
11	76*	40	58	11	41	50	7	0			0.00	0.00	28.85	29.79	3.1	21	3.9	19	20	13	19	11		
12	69	34	52	4	43	48	13	0	RA SN BR		0.14	0.14	28.68	29.67	5.9	26	9.0	38*	29	24*	29	12		
13	49	32	41	-7	15	31	24	0			0.00	0.00	29.18	30.19	1.5	31	3.4	19	31	13	34	13		
14	65	28	47	-1	23	38	18	0			0.00	0.00	29.18	30.17	3.8	21	5.2	31	18	20	21	14		
15	69	40	55	6	36	46	10	0			0.00	0.00	29.09	30.06	1.9	17	3.1	18	17	12	18	15		
16	53	41	47	-2	43	46	18	0	RA BR		0.60	0.60	28.87	29.82	3.7	05	5.0	20	06	14	06	16		
17	43	38	41	-8	37	39	24	0	RA BR		0.02	0.02	28.79	29.80	3.2	06	3.8	12	07	9	07	17		
18	56	39	48	-1	41	44	17	0	BR		0.00	0.00	28.95	29.96	1.0	14	3.5	14	23	10	21	18		
19	57	45	51	1	44	47	14	0	RA		T	T	29.05	30.04	4.0	22	6.2	29	21	20	21	19		
20	62	38	50	0	28	41	15	0	BR		0.00	0.00	29.13	30.12	0.8	27	2.6	15	26	10	32	20		
21	68	31	50	0	26	41	15	0			0.00	0.00	29.11	30.09	1.6	22	2.8	20	18	14	19	21		
22	72	42	57	6	35	46	8	0			0.00	0.00	29.05	30.01	1.5	23	2.6	13	21	10	19	22		
23	58	38	48	-3	31	41	17	0	RA BR		0.43	0.43	29.15	30.14	3.2	01	5.1	22	33	14	34	23		
24	55	29	42	-9	19	34	23	0			0.00	0.00	29.21	30.19	1.5	08	3.3	20	13	9	17	24		
25	44	32	38	-13	17	31	27	0	RA SN		T	T	29.05	30.08	4.6	29	5.4	29	30	18	32	25		
26	49	25	37	-15	11	28	28	0			0.00	0.00	29.31	30.33	0.6	29	2.8	18	28	12	35	26		
27	68	29	49	-3	19	38	16	0			0.00	0.00	29.23	30.21	5.1	19	6.2	32	19	21	19	27		
28	62	51	57	5	52	54	8	0	RA BR		0.25	0.25	29.10	30.05	1.5	25	2.8	17	25	9	25	28		
29	59	42	51	-1	47	49	14	0	RA FG BR		0.75	0.75	28.92	29.90	1.7	30	3.3	22	33	15	33	29		
30	62	36	49	-4	28	39	16	0			0.00	0.00	29.16	30.16	1.5	35	4.0	20	36	13	33	30		
31	74	32	53	0	29	42	12	0			0.00	0.00	29.18	30.16	0.5	09	1.5	12	04	8	06	31		

60.5		36.1		48.3		☼	31.7		41.1		16.5		0.0		< MONTHLY AVERAGES TOTALS >				3.74		29.08		30.07		0.4		24		4.0		< MONTHLY AVERAGES						
-0.9		-3.2		-2.1			<-----DEPARTURE FROM NORMAL----->												-1.32		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																
DEGREE DAYS												GREATEST 24-HR PRECIPITATION : 1.55				DATE : 02-03				SEA LEVEL PRESSURE				DATE TIME													
MONTHLY						SEASON TO DATE						GREATEST 24-HR SNOWFALL :				DATE :				MAXIMUM :				30.41				26 1053									
TOTAL DEPARTURE						TOTAL DEPARTURE						GREATEST SNOW DEPTH :				DATE :				MINIMUM :				29.43				12 1053									
HEATING :		510		52		3647		227		NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 :				0				MINIMUM TEMP <= 32 :				11				PRECIPITATION >= 0.01 INCH :				8			
COOLING :		0		-4		0		-4		MAXIMUM TEMP <= 32 :				0				MINIMUM TEMP <= 0 :				0				PRECIPITATION >= 0.10 INCH :				7							
										THUNDERSTORMS :				0				HEAVY FOG :				0				SNOWFALL >= 1.0 INCH :											

**MARCH 2014
OAK RIDGE, TN**

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
MARCH 2014

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			T										01												01	T	T	
02													02								T	0.05	0.01	0.05	02	0.11	0.11	
03	0.19	0.33	0.32	0.15	0.27	0.13	T	T	0.01	T	0.02	0.01	03	0.01	T	T	T								03	1.44	1.44	
04													04												04	0.00	0.00	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12					0.02	0.03	0.02	0.02	0.02			0.02	12			T	T	T	0.01	T	T	T	T	12	0.14	0.14		
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16							T	0.03	0.07	0.14	0.18	0.06	16			T	0.01		T	T	0.03	0.02	0.04	0.02	16	0.60	0.60	
17	T	T	0.01	T	0.01	T							17												17	0.02	0.02	
18													18												18	0.00	0.00	
19													19												19	T	T	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23				T	0.19	0.05	0.07	0.09	0.03	T			23												23	0.43	0.43	
24													24												24	0.00	0.00	
25													25		T	T	T	T	T					25	T	T		
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28	0.09		T	0.01	T		T	0.03	0.07	0.05	T	T	28											28	0.25	0.25		
29				0.01	0.01		0.06	0.13	0.06	0.13	T	0.11	29	0.22	0.02	T	T	T	T	T	T	T	T	29	0.75	0.75		
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)	0.07	0.11	0.15	0.19	0.26	0.35	0.40	0.54	0.62	0.68	0.81	0.91
Ending Date	03	03	03	03	03	03	03	03	03	03	03	03
Ending Time (Hr/Min)	0145	0150	0150	0153	0202	0218	0234	0253	0255	0332	0258	0330

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 MARCH 2014

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

Date	VISIBILITY (MILES)		
	MINIMUM	MAXIMUM	
01	10.00	10.00	
02	6.00	10.00	
03	1.75	10.00	
04	9.00	10.00	
05	0.75	10.00	
06	10.00	10.00	
07	10.00	10.00	
08	10.00	10.00	
09	8.00	10.00	
10	10.00	10.00	
11	10.00	10.00	
12	2.00	10.00	
13	10.00	10.00	
14	10.00	10.00	
15	10.00	10.00	
16	2.50	10.00	
17	3.00	10.00	
18	4.00	10.00	
19	10.00	10.00	
20	5.00	10.00	
21	10.00	10.00	
22	10.00	10.00	
23	3.00	10.00	
24	10.00	10.00	
25	3.00	10.00	
26	10.00	10.00	
27	10.00	10.00	
28	2.00	10.00	
29	1.00	10.00	
30	10.00	10.00	
31	10.00	10.00	
AVGS	7.13	10.00	
MINIMUM VISIBILITY (MILES)			
	<= .25	<= 3.0	>= 7.0
	0	9	19

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
MARCH 2014 **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				
SUNRISE: 0707					MAR 01					SUNSET: 1832					SUNRISE: 0659					MAR 07					SUNSET: 1837				
01	OVC	100	10.00		41	24	34	51	0	00	29.17	30.17	01	OVC	110	10.00		47	22	37	37	5	05	29.04	30.01				
04	OVC	050	10.00		44	31	39	60	3	VR	29.21	30.20	04	OVC	110	10.00		45	26	37	48	5	04	29.01	29.98				
07	OVC	060	10.00		42	33	38	71	0	00	29.23	30.23	07	OVC	070	10.00		43	29	37	58	6	06	29.04	30.02				
10	OVC	085	10.00		47	33	41	59	0	00	29.28	30.29	10	BKN	095	10.00		49	34	42	56	5	VR	29.08	30.06				
13	OVC	042	10.00		56	29	44	36	7	VR	29.24	30.23	13	CLR	NC	10.00		59	37	48	44	3	VR	29.02	29.99				
16	BKN	039	10.00		59	33	47	38	7	VR	29.19	30.17	16	CLR	NC	10.00		63	37	50	38	3	31	28.97	29.94				
19	OVC	030	10.00		55	37	46	51	5	19	29.19	30.18	19	BKN	065	10.00		59	37	48	44	0	00	28.99	29.97				
22	OVC	047	10.00		52	37	45	57	3	22	29.24	30.22	22	BKN	055	10.00		51	38	45	61	0	00	29.04	30.01				
SUNRISE: 0706					MAR 02					SUNRISE: 0658					MAR 08					SUNSET: 1838									
01	OVC	045	10.00		51	37	45	59	0	00	29.22	30.20	01	CLR	NC	10.00		42	37	40	82	0	00	29.05	30.03				
04	OVC	060	10.00		50	38	44	63	0	00	29.18	30.16	04	CLR	NC	10.00		38	35	37	89	0	00	29.08	30.05				
07	OVC	037	10.00		50	38	44	63	3	23	29.17	30.16	07	CLR	NC	10.00		35	32	34	89	0	00	29.13	30.12				
10	OVC	027	10.00		54	39	47	57	5	VR	29.15	30.13	10	CLR	NC	10.00		51	37	45	59	3	26	29.16	30.14				
13	OVC	030	10.00		63	47	54	56	5	VR	29.10	30.06	13	CLR	NC	10.00		65	34	50	32	6	VR	29.12	30.09				
16	OVC	044	10.00		68	51	58	55	9	21	29.00	29.96	16	CLR	NC	10.00		68	32	51	26	7	VR	29.05	30.02				
19	OVC	048	10.00		58	48	53	70	5	05	28.99	29.96	19	CLR	NC	10.00		64	26	47	24	5	26	29.08	30.06				
22	OVC	042	6.00	-RA BR	53	52	52	96	0	00	28.99	29.96	22	CLR	NC	10.00		52	33	43	49	0	00	29.13	30.11				
SUNRISE: 0705					MAR 03					SUNRISE: 0657					MAR 09					SUNSET: 1839									
01	OVC	055	4.00	RA BR	46	45	46	96	6	VR	28.95	29.92	01	CLR	NC	10.00		48	34	42	58	0	00	29.14	30.12				
04	OVC	032	8.00	-RA	37	35	36	93	9	07	28.91	29.88	04	BKN	095	10.00		49	39	44	69	3	23	29.15	30.12				
07	OVC	048	10.00	-RA	36	34	35	93	8	04	28.96	29.94	07	OVC	090	10.00		48	40	44	74	0	00	29.22	30.19				
10	OVC	025	7.00		32	29	31	88	8	05	29.04	30.03	10	CLR	NC	8.00		51	36	44	56	0	00	29.24	30.22				
13	OVC	044	10.00		30	25	28	82	10	05	29.13	30.13	13	CLR	NC	10.00		59	36	48	42	5	18	29.20	30.18				
16	OVC	042	10.00		31	25	29	79	6	VR	29.16	30.18	16	CLR	NC	10.00		64	30	48	28	0	00	29.14	30.11				
19	CLR	NC	10.00		26	19	24	75	9	06	29.25	30.28	19	CLR	NC	10.00		60	21	44	22	6	26	29.13	30.11				
22	OVC	024	10.00		26	18	23	71	7	06	29.29	30.33	22	CLR	NC	10.00		48	28	40	46	0	00	29.14	30.13				
SUNRISE: 0703					MAR 04					SUNRISE: 0655					MAR 10					SUNSET: 1840									
01	OVC	024	10.00		24	17	22	75	9	04	29.25	30.28	01	CLR	NC	10.00		41	30	36	65	3	25	29.13	30.11				
04	OVC	019	10.00		25	18	23	75	3	VR	29.23	30.27	04	CLR	NC	10.00		39	30	35	70	0	00	29.12	30.09				
07	OVC	014	10.00		25	19	23	78	6	04	29.25	30.29	07	OVC	027	10.00		43	34	39	71	0	00	29.12	30.09				
10	OVC	035	10.00		30	23	28	75	5	36	29.27	30.31	10	OVC	024	10.00		51	37	44	59	5	22	29.12	30.10				
13	OVC	038	10.00		36	26	32	67	5	VR	29.24	30.27	13	FEW	039	10.00		61	42	51	50	5	VR	29.04	30.02				
16	BKN	037	10.00		40	29	36	65	0	00	29.17	30.20	16	CLR	NC	10.00		70	41	55	35	8	21	28.95	29.91				
19	FEW	037	10.00		38	30	35	73	3	05	29.20	30.23	19	CLR	NC	10.00		67	37	52	33	3	24	28.91	29.88				
22	CLR	NC	10.00		34	30	32	85	0	00	29.19	30.22	22	CLR	NC	10.00		54	37	46	53	5	22	28.93	29.90				
SUNRISE: 0702					MAR 05					SUNRISE: 0654					MAR 11					SUNSET: 1841									
01	CLR	NC	8.00		32	30	31	92	0	00	29.20	30.22	01	CLR	NC	10.00		51	37	44	59	3	23	28.93	29.89				
04	CLR	NC	6.00	BR	31	29	30	92	0	00	29.18	30.20	04	CLR	NC	10.00		43	36	40	76	0	00	28.91	29.87				
07	VV	002	0.75	BR	30	28	29	92	3	VR	29.19	30.22	07	CLR	NC	10.00		41	36	39	82	0	00	28.92	29.89				
10	SCT	003	10.00		37	33	35	86	3	VR	29.24	30.25	10	CLR	NC	10.00		60	44	52	56	8	19	28.91	29.87				
13	CLR	NC	10.00		52	35	44	53	5	VR	29.17	30.17	13	CLR	NC	10.00		71	42	56	35	9	19	28.83	29.79				
16	CLR	NC	10.00		55	25	42	31	10	08	29.12	30.11	16	CLR	NC	10.00		76	38	56	25	8	22	28.77	29.71				
19	CLR	NC	10.00		49	23	39	36	5	05	29.15	30.16	19	CLR	NC	10.00		71	44	56	38	5	19	28.74	29.70				
22	CLR	NC	10.00		42	27	36	55	3	08	29.18	30.19	22	SCT	110	10.00		66	47	56	50	3	20	28.74	29.68				
SUNRISE: 0701					MAR 06					SUNRISE: 0652					MAR 12					SUNSET: 1841									
01	CLR	NC	10.00		40	27	35	60	3	06	29.18	30.18	01	BKN	100	10.00		63	48	55	58	0	00	28.66	29.59				
04	CLR	NC	10.00		36	28	33	73	5	06	29.15	30.14	04	OVC	060	10.00		65	53	58	66	10	21	28.58	29.50				
07	CLR	NC	10.00		36	28	33	73	0	00	29.17	30.17	07	OVC	009	5.00	-RA BR	60	59	59	96	7	21	28.55	29.48				
10	CLR	NC	10.00		48	28	40	46	7	07	29.19	30.19	10	OVC	033	10.00		64	58	60	81	10	21	28.52	29.45				
13	CLR	NC	10.00		52	29	42	41	5	VR	29.13	30.13	13	SCT	027	10.00		54	41	48	62	16	28	28.61	29.55				
16	CLR	NC	10.00		54	25	42	33	7	06	29.08	30.06	16	OVC	050	10.00	-RA	46	34	41	63	10	29	28.79	29.75				
19	CLR	NC	10.00		52	21	40	30	6	07	29.07	30.06	19	OVC	060	8.00	-RA	39	33	36	79	5	VR	28.92	29.89				
22	OVC	110	10.00		50	20	38	30	3	04	29.06	30.04	22	BKN	048	9.00		35	30	33	82	0	00	29.02	29.99				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN MARCH 2014

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
SUNRISE: 0651 MAR 13					SUNSET: 1842					SUNRISE: 0642 MAR 19					SUNSET: 1848										
01	OVC	080	10.00		36	21	31	55	3	29	29.05	30.03	01	CLR	NC	10.00		46	42	44	86	5	22	29.07	30.04
04	OVC	050	10.00		35	22	30	59	0	00	29.06	30.06	04	SCT	038	10.00		48	42	45	80	5	VR	29.07	30.04
07	OVC	045	10.00		32	19	28	59	3	VR	29.13	30.15	07	OVC	029	10.00		49	42	46	77	3	VR	29.08	30.06
10	CLR	NC	10.00		35	13	28	40	5	VR	29.23	30.25	10	OVC	036	10.00		52	42	47	69	10	21	29.07	30.05
13	CLR	NC	10.00		42	13	32	30	0	00	29.23	30.24	13	OVC	028	10.00		56	43	49	62	11	22	29.03	30.01
16	CLR	NC	10.00		48	7	34	19	5	VR	29.20	30.20	16	OVC	023	10.00		54	45	49	72	8	22	29.03	30.01
19	CLR	NC	10.00		45	9	33	23	3	24	29.24	30.25	19	OVC	018	10.00		53	46	49	77	5	VR	29.05	30.03
22	CLR	NC	10.00		36	17	30	46	0	00	29.25	30.27	22	OVC	017	10.00		53	47	50	80	5	VR	29.08	30.05
SUNRISE: 0650 MAR 14					SUNSET: 1843					SUNRISE: 0641 MAR 20					SUNSET: 1848										
01	CLR	NC	10.00		32	18	27	56	0	00	29.25	30.27	01	CLR	NC	10.00		50	46	48	86	0	00	29.10	30.07
04	CLR	NC	10.00		29	20	26	69	0	00	29.25	30.26	04	CLR	NC	6.00	BR	43	40	42	89	0	00	29.12	30.10
07	CLR	NC	10.00		29	20	26	69	0	00	29.27	30.28	07	CLR	NC	10.00		41	29	36	62	5	VR	29.17	30.16
10	CLR	NC	10.00		46	17	35	31	6	VR	29.28	30.29	10	CLR	NC	10.00		49	27	40	43	0	00	29.20	30.18
13	CLR	NC	10.00		61	26	46	26			29.18	30.17	13	CLR	NC	10.00		58	24	44	27	0	00	29.15	30.13
16	CLR	NC	10.00		64	24	46	22	11	19	29.07	30.05	16	CLR	NC	10.00		61	17	43	18	5	13	29.10	30.08
19	BKN	110	10.00		61	26	46	26	8	21	29.08	30.06	19	CLR	NC	10.00		57	18	41	22	8	27	29.12	30.10
22	BKN	090	10.00		57	32	46	39	7	22	29.10	30.07	22	CLR	NC	10.00		44	27	37	51	0	00	29.14	30.14
SUNRISE: 0648 MAR 15					SUNSET: 1844					SUNRISE: 0640 MAR 21					SUNSET: 1849										
01	OVC	075	10.00		53	34	44	48	5	VR	29.10	30.06	01	CLR	NC	10.00		37	29	34	73	0	00	29.15	30.14
04	CLR	NC	10.00		43	34	39	71	0	00	29.10	30.07	04	CLR	NC	10.00		33	28	31	82	0	00	29.15	30.15
07	SCT	050	10.00		44	34	40	68	5	23	29.12	30.09	07	CLR	NC	10.00		31	27	30	85	0	00	29.18	30.18
10	CLR	NC	10.00		58	37	48	46	5	17	29.15	30.12	10	CLR	NC	10.00		52	29	42	41	0	00	29.18	30.17
13	CLR	NC	10.00		65	37	51	36	9	18	29.12	30.08	13	CLR	NC	10.00		65	23	47	20	7	VR	29.13	30.10
16	CLR	NC	10.00		68	33	51	27	8	18	29.06	30.02	16	CLR	NC	10.00		67	18	46	15	9	22	29.04	30.01
19	CLR	NC	10.00		64	34	50	33	3	17	29.06	30.03	19	CLR	NC	10.00		63	25	46	24	3	25	29.03	30.01
22	CLR	NC	10.00		53	38	46	57	0	00	29.05	30.02	22	CLR	NC	10.00		58	26	44	29	3	24	29.05	30.02
SUNRISE: 0647 MAR 16					SUNSET: 1845					SUNRISE: 0638 MAR 22					SUNSET: 1850										
01	FEW	100	10.00		49	38	44	66	0	00	29.02	29.98	01	CLR	NC	10.00		52	28	42	40	3	22	29.06	30.01
04	SCT	100	10.00		47	39	43	74	0	00	28.96	29.92	04	CLR	NC	10.00		43	32	38	65	0	00	29.03	30.00
07	OVC	065	10.00	-RA	46	42	44	86	0	00	28.93	29.90	07	CLR	NC	10.00		43	33	39	68	0	00	29.05	30.02
10	OVC	055	3.00	RA BR	45	43	44	93	8	06	28.94	29.92	10	CLR	NC	10.00		62	31	48	31	5	VR	29.08	30.03
13	OVC	018	10.00		52	48	50	86	5	04	28.78	29.76	13	BKN	090	10.00		66	34	50	30	5	VR	29.06	30.02
16	OVC	009	3.00	BR	51	49	50	92	6	04	28.74	29.70	16	OVC	090	10.00		70	38	54	31	5	VR	29.01	29.98
19	OVC	017	4.00	-RA BR	48	46	47	93	6	03	28.74	29.72	19	SCT	065	10.00		66	39	52	37	3	26	29.04	30.01
22	OVC	018	7.00	-RA	43	41	42	93	7	07	28.78	29.77	22	CLR	NC	10.00		53	41	47	64	0	00	29.07	30.03
SUNRISE: 0645 MAR 17					SUNSET: 1846					SUNRISE: 0637 MAR 23					SUNSET: 1851										
01	OVC	016	10.00		42	39	41	89	6	06	28.77	29.75	01	BKN	090	10.00		50	36	44	59	5	06	29.07	30.03
04	OVC	016	10.00		39	37	38	93	6	07	28.74	29.73	04	OVC	060	10.00	-RA	52	33	43	49	7	30	29.10	30.07
07	OVC	018	10.00		39	35	37	86	0	00	28.79	29.78	07	OVC	043	4.00	RA BR	42	39	41	89	0	00	29.15	30.13
10	OVC	016	10.00		39	36	38	89	6	05	28.81	29.81	10	OVC	060	6.00	BR	45	41	43	86	0	00	29.17	30.16
13	OVC	014	10.00		41	37	39	86	3	VR	28.82	29.81	13	BKN	044	10.00		53	32	44	45	11	33	29.16	30.15
16	OVC	014	10.00		42	37	40	82	5	07	28.80	29.79	16	CLR	NC	10.00		57	22	42	26	3	36	29.13	30.10
19	OVC	028	10.00		41	39	40	93	3	05	28.83	29.82	19	CLR	NC	10.00		49	25	39	39	10	33	29.20	30.20
22	OVC	013	5.00	BR	39	38	39	96	3	08	28.88	29.88	22	CLR	NC	10.00		41	24	34	51	0	00	29.28	30.28
SUNRISE: 0644 MAR 18					SUNSET: 1847					SUNRISE: 0635 MAR 24					SUNSET: 1852										
01	OVC	004	4.00	BR	39	37	38	93	0	00	28.91	29.91	01	CLR	NC	10.00		36	22	31	57	0	00	29.27	30.27
04	OVC	021	10.00		40	38	39	93	6	07	28.88	29.87	04	CLR	NC	10.00		31	25	29	79	0	00	29.26	30.27
07	OVC	022	10.00		41	39	40	93	3	06	28.92	29.91	07	CLR	NC	10.00		30	23	28	75	0	00	29.29	30.30
10	OVC	028	10.00		45	40	43	83	6	09	29.00	29.99	10	CLR	NC	10.00		41	21	34	45	7	12	29.29	30.29
13	OVC	030	10.00		52	42	47	69	3	26	29.04	30.03	13	CLR	NC	10.00		49	14	36	25	6	VR	29.22	30.22
16	OVC	024	10.00		55	44	49	67	5	21	29.00	29.98	16	CLR	NC	10.00		55	16	40	21	0	00	29.10	30.10
19	OVC	019	10.00		52	44	48	75	5	21	28.97	29.95	19	CLR	NC	10.00		50	20	38	30	5	07	29.08	30.08
22	CLR	NC	9.00		47	43	45	86	0	00	29.00	29.99	22	BKN	120	10.00		47	13	35	25	3	VR	29.07	30.06

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN
MARCH 2014

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: 0634 MAR 25					SUNSET: 1853							
01	BKN	120	10.00		43	15	33	32	3	VR	29.02	30.00
04	OVC	090	10.00		40	18	32	41	0	00	28.98	29.96
07	CLR	NC	10.00		34	20	29	56	0	00	29.00	29.99
10	OVC	046	10.00		41	21	34	45	8	30	29.03	30.02
13	OVC	055	10.00		40	20	33	45	11	31	29.06	30.05
16	SCT	090	9.00		39	26	34	60	6	27	29.09	30.09
19	SCT	070	10.00		37	8	28	30	13	29	29.14	30.16
22	FEW	065	10.00		33	9	26	36	0	00	29.23	30.24
SUNRISE: 0632 MAR 26					SUNSET: 1854							
01	FEW	055	10.00		32	12	26	43	6	33	29.27	30.29
04	CLR	NC	10.00		28	12	23	51	6	VR	29.27	30.29
07	CLR	NC	10.00		25	13	21	60	0	00	29.34	30.37
10	CLR	NC	10.00		34	10	27	37	5	21	29.39	30.41
13	CLR	NC	10.00		41	7	30	24	6	26	29.36	30.37
16	CLR	NC	10.00		48	8	35	19	3	VR	29.30	30.31
19	CLR	NC	10.00		45	9	33	23	3	17	29.29	30.30
22	CLR	NC	10.00		35	18	29	50	0	00	29.29	30.31
SUNRISE: 0631 MAR 27					SUNSET: 1854							
01	CLR	NC	10.00		30	20	27	66	0	00	29.31	30.33
04	CLR	NC	10.00		30	21	27	69	5	09	29.26	30.27
07	CLR	NC	10.00		32	22	28	66	0	00	29.32	30.33
10	CLR	NC	10.00		45	18	35	34	0	00	29.30	30.32
13	SCT	110	10.00		63	15	44	15	7	VR	29.21	30.21
16	FEW	110	10.00		67	13	45	12	11	17	29.10	30.09
19	CLR	NC	10.00		64	18	45	17	13	19	29.10	30.09
22	SCT	120	10.00		60	23	44	24	6	22	29.12	30.09
SUNRISE: 0629 MAR 28					SUNSET: 1855							
01	OVC	085	10.00	-RA	51	44	48	77	6	VR	29.13	30.10
04	OVC	075	10.00	-RA	54	48	51	80	5	20	29.05	30.01
07	OVC	028	10.00		54	50	52	87	3	23	29.09	30.05
10	OVC	026	4.00	-RA BR	55	53	54	93	5	25	29.13	30.09
13	OVC	021	10.00		59	55	57	87	5	VR	29.12	30.09
16	OVC	033	10.00		61	55	58	81	0	00	29.08	30.04
19	OVC	070	10.00		61	54	57	78	0	00	29.08	30.04
22	OVC	050	10.00		57	54	55	90	0	00	29.09	30.06
SUNRISE: 0628 MAR 29					SUNSET: 1856							
01	BKN	044	3.00	BR	54	53	53	97	0	00	29.05	30.01
04	OVC	036	2.50	-RA BR	52	51	51	97	0	00	28.94	29.91
07	OVC	037	1.75	+RA BR	53	52	52	96	0	00	28.90	29.87
10	OVC	045	3.00	BR	55	54	54	96	0	00	28.84	29.81
13	OVC	009	6.00	-RA BR	57	56	56	96	3	21	28.77	29.73
16	OVC	034	10.00		53	44	48	72	9	30	28.85	29.82
19	OVC	060	10.00	-RA	46	40	43	79	6	26	29.01	29.98
22	OVC	100	10.00		45	35	41	68	8	30	29.07	30.05
SUNRISE: 0627 MAR 30					SUNSET: 1857							
01	OVC	018	10.00		40	34	37	79	5	35	29.13	30.11
04	BKN	033	10.00		40	30	36	68	8	34	29.13	30.11
07	CLR	NC	10.00		37	28	33	70	0	00	29.20	30.20
10	CLR	NC	10.00		46	28	39	50	7	VR	29.22	30.22
13	CLR	NC	10.00		56	29	44	36	7	VR	29.18	30.17
16	CLR	NC	10.00		61	21	44	21	3	36	29.13	30.12
19	CLR	NC	10.00		57	24	43	28	3	VR	29.14	30.14
22	CLR	NC	10.00		46	30	39	54	3	35	29.19	30.19

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: 0625 MAR 31					SUNSET: 1858							
01	CLR	NC	10.00		39	32	36	76	0	00	29.21	30.20
04	CLR	NC	10.00		34	31	33	89	0	00	29.20	30.19
07	CLR	NC	10.00		33	30	32	89	0	00	29.24	30.24
10	CLR	NC	10.00		55	32	45	42	6	VR	29.25	30.23
13	CLR	NC	10.00		67	26	48	21			29.18	30.16
16	CLR	NC	10.00		71	19	48	14	5	18	29.12	30.09
19	CLR	NC	10.00		66	28	49	24	0	00	29.10	30.08
22	CLR	NC	10.00		52	36	45	55	0	00	29.12	30.09

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.

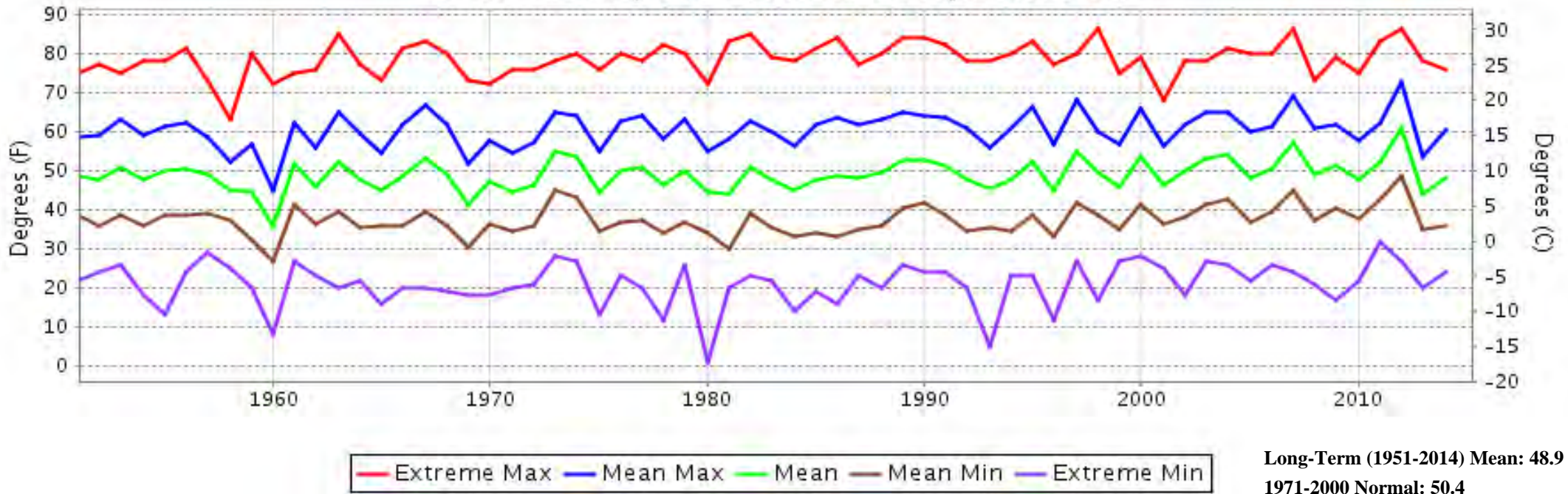
& = Original observation contained additional weather elements.

See page 3 for additional notes.

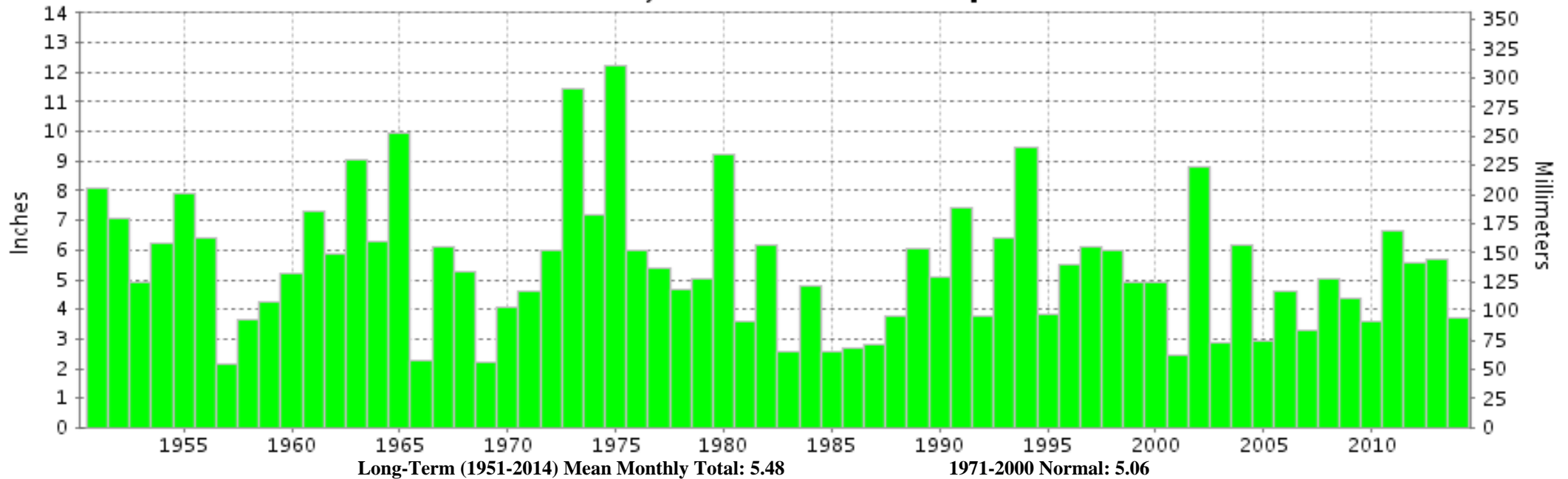
SUMMARY BY HOUR

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	43	32	39	67	29.09	30.07	9.32	2	1	02
02	42	32	38	68	29.09	30.07	9.29	3	1	36
03	42	32	38	71	29.08	30.06	9.20	3	1	36
04	41	32	37	73	29.07	30.06	9.44	3	2	04
05	40	32	37	75	29.08	30.06	9.16	2	2	34
06	40	32	37	76	29.09	30.07	9.32	2	1	04
07	39	32	37	77	29.10	30.09	9.08	2	2	02
08	42	33	38	73	29.11	30.10	8.57	3	1	35
09	45	33	40	66	29.12	30.11	8.57	3	1	02
10	48	33	42	60	29.12	30.11	9.06	5	1	02
11	50	33	43	56	29.11	30.10	9.42	5	1	02
12	52	33	44	52	29.10	30.09	9.55	6	2	30
13	55	32	45	47	29.08	30.07	9.87	6	3	29
14	56	32	45	45	29.06	30.05	9.67	7	3	29
15	57	31	46	42	29.05	30.03	9.71	6	3	29
16	58	30	46	42	29.04	30.02	9.74	6	1	30
17	57	30	45	42	29.04	30.02	9.69	6	1	32
18	56	30	45	42	29.05	30.03	9.58	5	2	30
19	54	30	43	46	29.06	30.05	9.74	5	1	30
20	51	31	42	51	29.07	30.06	9.81	3	1	32
21	49	31	42	54	29.08	30.07	9.71	3	2	36
22	47	32	41	59	29.09	30.08	9.55	2	1	35
23	46	32	40	61	29.09	30.08	9.55	3	2	34
24	45	32	39	63	29.09	30.08	9.71	3	1	03

OAK RIDGE, TN MARCH Temperatures



OAK RIDGE, TN MARCH Precipitation





MARCH 2014
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

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151 Patton Avenue
Asheville, NC 28801-5001