



# MARCH 2009 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

OAK RIDGE, TN  
OAK RIDGE (KOQT)  
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 913 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	40	31	36	-8	26	33	29	0	RA BR			0.09	28.95	29.98	7.4	02	8.3	37*	06	20*	03	01		
02	37	22	30	-15	8	22	35	0				0.00	29.25	30.30	5.0	03	7.0	25	33	15	06	02		
03	39	17*	28*	-17	6	21	37	0				0.00	29.42	30.47	2.8	05	3.9	17	07	13	36	03		
04	54	25	40	-5	18	31	25	0				0.00	29.39	30.42	0.6	22	1.8	16	20	10	21	04		
05	65	29	47	1	27	39	18	0				0.00	29.34	30.34	5.3	21	5.7	26	21	18	21	05		
06	61	48	55	9	43	49	10	0				0.00	29.26		3.7	22	4.5	21	22	14	21	06		
07	70	41	56	10	49	52	9	0	BR			0.00	29.23	30.20	2.5	22	3.1	20	20	14	20	07		
08	74	46	60	13	52	56	5	0				0.00	29.10	30.05	5.7	21	5.8	26	19	17	21	08		
09	79	50	65	18	46	55	0	0	RA FG+ FG BR			0.14	29.13	30.11	1.7	22	2.3	17	18	13	20	09		
10	79*	51	65*	18	48	56	0	0				0.00	29.12	30.07	3.9	22	4.0	26	19	17	21	10		
11	68	44	56	9	40	49	9	0				0.00	29.23	30.23	4.4	03	5.1	23	05	13	03	11		
12	44	36	40	-8	26	35	25	0	RA BR			0.18	29.41	30.41	6.9	04	7.2	21	06	14	05	12		
13	46	38	42	-6	38	41	23	0	RA BR			0.25	29.28	30.28	4.0	06	4.3	12	06	8	06	13		
14	50	44	47	-1	46	46	18	0	RA BR			1.02	29.13	30.11	1.2	05	1.0	9	04	8	04	14		
15	57	48	53	4	50	51	12	0	RA BR			0.39	29.10	30.10	0.8	24	1.6	9	27	6	21	15		
16	61	46	54	5	52	53	11	0	RA BR			0.28	29.18	30.17	0.8	22	1.2	12	21	7	25	16		
17	70	40	55	6	43	48	10	0	FG+ FG BR			0.00	29.25	30.24	0.6	07	1.2	15	06	12	06	17		
18	70	40	55	6	43	49	10	0	BR			0.00	29.23	30.20	1.9	25	2.6	17	20	12	21	18		
19	67	39	53	3	41	47	12	0	RA			T	29.18	30.17	0.7	34	3.1	22	36	14	01	19		
20	59	37	48	-2	18	37	17	0				0.00	29.32	30.33	3.3	05	4.4	18	05	14	06	20		
21	63	32	48	-2	25	38	17	0				0.00	29.39	30.39	0.5	21	1.9	15	25	12	28	21		
22	70	33	52	1	33	43	13	0				0.00	29.36	30.35	0.8	22	2.1	14	27	10	26	22		
23	72	44	58	7			7	0				0.00										23		
24	75	44	60	9			5	0				0.00	29.22				5.1	25	17	17	18	24		
25	66	55	61	10	54	55	4	0	RA BR			0.52	29.08	30.04	3.1	20	4.1	21	21	13	20	25		
26	70	54	62	10	54	56	3	0	RA BR			0.95	28.91	29.88	0.1	29	2.8	17	27	10	26	26		
27	58	52	55	3	52	54	10	0	RA BR			0.28	28.86	29.81	2.1	05	2.7	13	03	9	05	27		
28	71	55	63	11	56	58	2	0	RA FG BR			0.26	28.71	29.62	1.0	15	3.8	29	28	16	28	28		
29	56	44	50	-2	35	41	15	0	RA			T	28.72	29.75	7.0	24	8.1	31	28	17	26	29		
30	62	32	47	-6	32	40	18	0				0.00	29.08	30.08	1.0	11	1.2	13	09	9	07	30		
31	58	41	50	-3	42	46	15	0	RA			0.02	29.00	29.97	0.4	15	0.8	13	05	8	13	31		
61.6		40.6	51.1	☼	38.0	44.9	13.7	0.0	< MONTHLY AVERAGES   TOTALS >				4.38	29.16	30.15	0.0	20	3.7	< MONTHLY AVERAGES					
0.6		4.0	2.3		<-----DEPARTURE FROM NORMAL----->				-1.34	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3														
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 1.14 DATE : 13-14				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.54 03 1215							
SEASON TO DATE									GREATEST SNOW DEPTH :				MINIMUM :				29.42 28 2153							
TOTAL DEPARTURE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 7				PRECIPITATION >= 0.01 INCH: 12			
HEATING : 424 -86 3465 -188									THUNDERSTORMS : 0				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 10			
COOLING : 0 -2 0 -2																	SNOWFALL >= 1.0 INCH :							

MARCH 2009  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
MARCH 2009

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		0.05	0.01		0.01	0.02	T						01											01	0.09	0.09		
02													02											02	0.00	0.00		
03													03											03	0.00	0.00		
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		0.14	T										09											09	0.14	0.14		
10													10											10	0.00	0.00		
11													11											11	0.00	0.00		
12													12	T	T	0.02	0.05	0.03	0.03	0.03	T	0.01	T	12	0.18	0.18		
13						T	T	T	T	0.01	T	T	13	T	T	0.01	T	T	0.03	T	0.03	0.05	0.09	0.05	0.02	13	0.25	0.25
14	0.01	0.04	0.05	0.05	0.09	0.09	0.07	0.04	0.06	0.03	0.04	0.05	14	0.08	0.04	0.07	0.05	0.01	0.02	0.01	0.02	0.06	0.02	0.01	0.01	14	1.02	1.02
15	0.04	0.06	0.08	0.01	0.02	0.10	0.05	0.02	0.01				15													15	0.39	0.39
16							0.01	T	T	0.07	0.11	0.06	16	0.03	T											16	0.28	0.28
17													17													17	0.00	0.00
18													18													18	0.00	0.00
19													19		T	T		T								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													23													23	0.00	0.00
24													24													24	0.00	0.00
25		T	0.04	0.05	0.01	0.08	0.02	0.04	0.02	0.04	0.02	0.05	25	0.04	T	T	0.02	0.02	0.05	0.01				0.01	25	0.52	0.52	
26	T		0.08	0.18	0.16	0.14	0.03	0.12	0.10	0.10	0.01	0.02	26	0.01												26	0.95	0.95
27											T	0.02	0.02	27	0.03	0.01	0.05	0.04	0.01	0.01	0.01	0.01	0.06	0.01		27	0.28	0.28
28								T	0.02	0.02			28											0.04	0.18	28	0.26	0.26
29	T												29			T										29	T	T
30													30													30	0.00	0.00
31								T			T	0.01	31	T	T	T	0.01	T								31	0.02	0.02

\* 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)	0.09	0.12	0.14	0.16	0.17	0.18	0.22	0.27	0.33	0.36	0.44	0.52
Ending Date	28	28	28	28	28	26	26	26	26	26	26	26
Ending Time (Hr/Min)	2306	2306	2315	2316	2317	0418	0418	0418	0418	0533	0533	0539

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.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

## 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	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

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

# OAK RIDGE, TN MARCH 2009

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).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the sum (not to exceed 8) of the sunrise to sunset cloud cover below and above 12,000 feet. Both ceilometer and satellite data must be present to compute Sky Condition. 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.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled to saturation at constant pressure by evaporation of water into it.

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

## ADDITIONAL NOTES:

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	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							5.00	10.00	
02							10.00	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							9.00	10.00	
07							4.00	10.00	
08							7.00	10.00	
09							0.50	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							5.00	10.00	
13							5.00	10.00	
14							2.50	9.00	
15							3.00	10.00	
16							1.00	10.00	
17							0.00	10.00	
18							5.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							3.00	10.00	
26							1.75	10.00	
27							2.00	10.00	
28							2.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							10.00	10.00	
MONTHLY AVGS							6.64	9.97	
<b>SUNSHINE (Minutes)</b>									
Total : 0					Possible :				
Percent Possible :									
<b>NUMBER OF DAYS WITH :</b>									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0			>= 7.0			
1			9			17			



# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2009

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
<b>SUNRISE: 0651 MAR 13</b>						<b>SUNSET: 1842</b>						<b>SUNRISE: 0642 MAR 19</b>						<b>SUNSET: 1848</b>											
01	OVC	050				39	34	37	82	3	07	29.33	30.34	01	CLR	NC				10.00	49	43	46	80	0	00	29.16	30.13	
04	OVC	050				40	35	38	82	5	06	29.28	30.29	04	CLR	NC				10.00	50	41	46	71	3	23	29.15	30.11	
07	OVC	044			-RA	40	35	38	82	5	06	29.30	30.31	07	CLR	NC				10.00	47	41	44	80	0	00	29.17	30.14	
10	OVC	038				42	36	39	79	6	05	29.30	30.32	10	CLR	NC				10.00	60	44	52	56	3	VR	29.18	30.15	
13	OVC	034				45	37	41	74	5	05	29.28	30.29	13	OVC	060				10.00	66	46	55	49	3	VR	29.16	30.13	
16	OVC	034				45	41	43	86	5	05	29.25	30.25	16	OVC	065				10.00	54	44	49	69	8	35	29.21	30.19	
19	OVC	028				44	42	43	93	3	02	29.23	30.23	19	BKN	090				10.00	53	33	44	47	3	05	29.25	30.24	
22	OVC	032			-RA BR	44	42	43	93	3	04	29.24	30.24	22	CLR	NC				10.00	43	36	40	76	0	00	29.27	30.26	
<b>SUNRISE: 0650 MAR 14</b>						<b>SUNSET: 1843</b>						<b>SUNRISE: 0641 MAR 20</b>						<b>SUNSET: 1848</b>											
01	OVC	028			-RA BR	44	43	44	96	0	00	29.20	30.20	01	CLR	NC				10.00	41	31	37	68	0	00	29.27	30.25	
04	OVC	024			RA BR	44	43	44	96	0	00	29.16	30.16	04	CLR	NC				10.00	41	22	34	47	3	05	29.28	30.27	
07	OVC	065			-RA BR	44	43	44	96	0	00	29.15	30.15	07	CLR	NC				10.00	37	21	31	52	3	02	29.35	30.35	
10	OVC	010			-RA BR	45	44	45	96	3	03	29.15	30.15	10	CLR	NC				10.00	49	17	37	28	6	VR	29.40	30.40	
13	OVC	034			RA BR	48	46	47	93	0	00	29.13	30.11	13	CLR	NC				10.00	55	14	40	20	6	VR	29.36	30.35	
16	OVC	018			-RA BR	49	47	48	93	0	00	29.07	30.05	16	CLR	NC				10.00	58	12	41	16	10	05	29.32	30.30	
19	OVC	018			-RA BR	49	48	48	96	0	00	29.08	30.06	19	CLR	NC				10.00	52	12	38	20	5	05	29.33	30.32	
22	OVC	013			-RA BR	48	48	48	100	0	00	29.09	30.07	22	CLR	NC				10.00	41	24	34	51	0	00	29.35	30.35	
<b>SUNRISE: 0648 MAR 15</b>						<b>SUNSET: 1844</b>						<b>SUNRISE: 0640 MAR 21</b>						<b>SUNSET: 1849</b>											
01	OVC	015			-RA BR	48	48	48	100	0	00	29.09	30.07	01	CLR	NC				10.00	37	25	32	62	0	00	29.35	30.35	
04	OVC	008			-RA	48	47	47	96	0	00	29.07	30.05	04	CLR	NC				10.00	35	26	32	70	0	00	29.35	30.35	
07	OVC	080			-RA	48	47	47	96	0	00	29.09	30.07	07	CLR	NC				10.00	32	27	30	82	0	00	29.41	30.42	
10	OVC	055				51	49	50	93	3	VR	29.13	30.11	10	CLR	NC				10.00	49	25	39	39	0	00	29.46	30.46	
13	OVC	011				54	50	52	86	5	24	29.13	30.10	13	CLR	NC				10.00	61	23	45	23	5	VR	29.42	30.42	
16	OVC	013				57	51	54	80	3	VR	29.12	30.09	16	OVC	085				10.00	61	22	45	22	6	21	29.37	30.36	
19	OVC	013				56	52	54	87	0	00	29.14	30.12	19	OVC	080				10.00	58	23	43	26	3	22	29.38	30.38	
22	OVC	017				56	52	54	87	0	00	29.17	30.15	22	CLR	NC				10.00	49	30	41	48	0	00	29.41	30.40	
<b>SUNRISE: 0647 MAR 16</b>						<b>SUNSET: 1845</b>						<b>SUNRISE: 0638 MAR 22</b>						<b>SUNSET: 1850</b>											
01	OVC	013				54	52	53	93	0	00	29.17	30.15	01	CLR	NC				10.00	39	31	36	73	0	00	29.41	30.40	
04	OVC	009			BR	54	52	53	93	0	00	29.18	30.15	04	CLR	NC				10.00	35	30	33	82	0	00	29.41	30.40	
07	OVC	001			BR	53	53	53	100	0	00	29.17	30.14	07	FEW	075				10.00	33	30	32	89	0	00	29.45	30.44	
10	OVC	016			RA BR	55	54	54	96	0	00	29.21	30.18	10	CLR	NC				10.00	53	33	44	47	3	25	29.45	30.44	
13	OVC	041			-RA BR	56	55	55	96	3	22	29.20	30.18	13	CLR	NC				10.00	64	34	50	33	5	VR	29.38	30.36	
16	SCT	055				61	56	58	84	5	22	29.16	30.13	16	CLR	NC				10.00	70	31	51	24	6	VR	29.29	30.27	
19	FEW	060				58	51	54	78	0	00	29.19	30.17	19	CLR	NC				10.00	65	35	50	33	5	16	29.27	30.26	
22	CLR	NC				51	48	49	90	0	00	29.22	30.20	22	CLR	NC				10.00	52	39	46	61	0	00	29.30	30.28	
<b>SUNRISE: 0645 MAR 17</b>						<b>SUNSET: 1846</b>						<b>SUNRISE: 0637 MAR 23</b>						<b>SUNSET: 1851</b>											
01	CLR	NC			BR	45	43	44	93	0	00	29.25	30.23	01	CLR	NC				10.00	46	39	43	77	0	00	29.27	30.25	
04	VV	001			FG	41	40	41	96	0	00	29.24	30.23	04	OVC	100				10.00	46	39	43	77	0	00	29.28	30.25	
07	OVC	005			FG	40	40	40	100	0	00	29.28	30.27	07	OVC	100				10.00	47	40	44	77	0	00	29.31	30.28	
10	FEW	001				50	49	49	96	0	00	29.31	30.29	10	CLR	NC				10.00	59	40	50	50			29.32	30.30	
13	CLR	NC				66	44	54	45	6	04	29.28	30.25	13	FEW	085				10.00	70	40	54	34			29.28	30.25	
16	CLR	NC				70	41	55	35	0	00	29.21	30.19	16															
19	CLR	NC				64	43	53	47	0	00	29.22	30.20	19															
22	CLR	NC				51	46	48	83	0	00	29.25	30.24	22															
<b>SUNRISE: 0644 MAR 18</b>						<b>SUNSET: 1847</b>						<b>SUNRISE: 0635 MAR 24</b>						<b>SUNSET: 1852</b>											
01	CLR	NC				45	42	44	89	0	00	29.25	30.22	01															
04	CLR	NC				42	40	41	93	0	00	29.23	30.21	04															
07	CLR	NC			BR	40	38	39	93	0	00	29.28	30.26	07															
10	CLR	NC				58	46	52	65	9	25	29.31	30.28	10															
13	SCT	048				65	46	55	50	3	VR	29.24	30.22	13						10.00	71	44	56	38	10	15	29.20	30.17	
16	FEW	060				70	44	56	39	7	VR	29.17	30.14	16						10.00	74	42	57	32	11	21	29.13	30.09	
19	CLR	NC				66	40	53	39	5	24	29.14	30.12	19						10.00	70	44	56	39	7	18	29.12	30.07	
22	CLR	NC				52	44	48	74	0	00	29.16	30.14	22						10.00	66	47	56	51	6	20	29.15	30.11	

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2009

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
<b>SUNRISE: 0634      MAR 25      SUNSET: 1853</b>													
01						63	49	55	60	3	13	29.13	30.07
04					-RA	58	54	56	87	3	16	29.12	30.06
07					-RA	56	55	55	96	0	00	29.12	30.07
10					-RA BR	57	55	56	93	3	23	29.13	30.09
13					RA BR	58	54	56	87	9	20	29.09	30.05
16					-RA	58	53	55	84	9	21	29.04	30.00
19						56	54	55	93	3	26	29.04	30.00
22						57	52	54	83	3	25	29.05	30.01
<b>SUNRISE: 0632      MAR 26      SUNSET: 1854</b>													
01						55	54	54	96	0	00	28.98	29.95
04					RA BR	55	54	54	96	0	00	28.96	29.93
07					RA BR	54	53	53	96	0	00	28.87	29.83
10					-RA BR	56	55	55	96	7	22	28.87	29.83
13						63	59	61	87	7	VR	28.89	29.85
16						68	56	61	66	3	25	28.90	29.85
19						65	51	57	61	3	33	28.92	29.87
22						59	51	55	75	6	06	28.98	29.94
<b>SUNRISE: 0631      MAR 27      SUNSET: 1854</b>													
01						54	49	51	83	3	07	28.94	29.90
04						53	49	51	86	0	00	28.91	29.87
07						52	49	50	90	6	05	28.90	29.85
10						56	49	52	78	5	05	28.88	29.84
13					-RA	55	53	54	93	5	VR	28.84	29.81
16					-RA	57	55	56	93	5	VR	28.77	29.72
19					-RA	57	56	56	96	0	00	28.77	29.74
22						57	56	56	96	0	00	28.82	29.78
<b>SUNRISE: 0629      MAR 28      SUNSET: 1855</b>													
01					BR	57	56	56	96	0	00	28.82	29.78
04						56	54	55	93	0	00	28.80	29.76
07					BR	56	55	55	96	0	00	28.81	29.78
10						58	57	57	97	8	06	28.71	29.67
13						62	58	60	87	3	VR	28.68	29.62
16						71	56	62	59	10	19	28.58	29.52
19						69	55	61	61	6	20	28.53	29.47
22						63	54	58	73	0	00	28.47	29.42
<b>SUNRISE: 0628      MAR 29      SUNSET: 1856</b>													
01						54	46	50	75	8	24	28.55	29.50
04						45	34	40	65	7	22	28.62	29.57
07						46	35	41	66	11	20	28.64	29.59
10						45	33	40	63	8	23	28.70	29.66
13						45	32	39	60	10	24	28.78	29.75
16						45	35	41	68	7	VR	28.85	29.83
19						46	35	41	66	5	26	28.91	29.90
22						46	34	41	63	7	24	28.99	29.97
<b>SUNRISE: 0627      MAR 30      SUNSET: 1857</b>													
01						44	28	37	53	0	00	29.05	30.03
04						35	31	33	85	0	00	29.07	30.07
07						33	30	32	89	0	00	29.13	30.14
10						48	31	41	52	9	09	29.14	30.14
13						56	30	44	37	3	19	29.12	30.09
16						61	30	47	31	3	12	29.07	30.05
19						58	31	46	36	0	00	29.06	30.04
22						47	37	42	68	0	00	29.07	30.05

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
<b>SUNRISE: 0625      MAR 31      SUNSET: 1858</b>													
01						42	37	40	83	0	00	29.05	30.03
04						42	38	40	86	0	00	29.02	29.99
07						43	39	41	86	3	08	29.05	30.02
10						51	40	46	66	0	00	29.07	30.05
13					-RA	53	43	48	69	0	00	29.03	30.02
16					-RA	57	45	51	64	0	00	28.94	29.92
19						57	45	51	64	3	11	28.92	29.89
22						52	48	50	86	0	00	28.90	29.87

## 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.

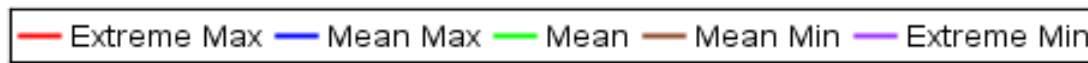
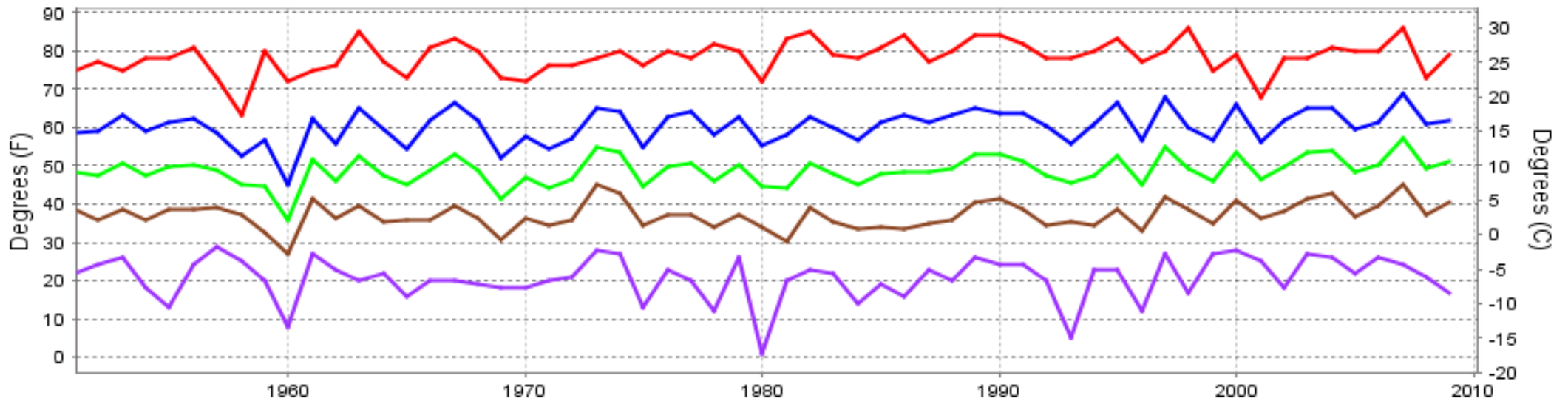
& = Original observation contained additional weather elements.

See page 3 for additional notes.

## SUMMARY BY HOUR

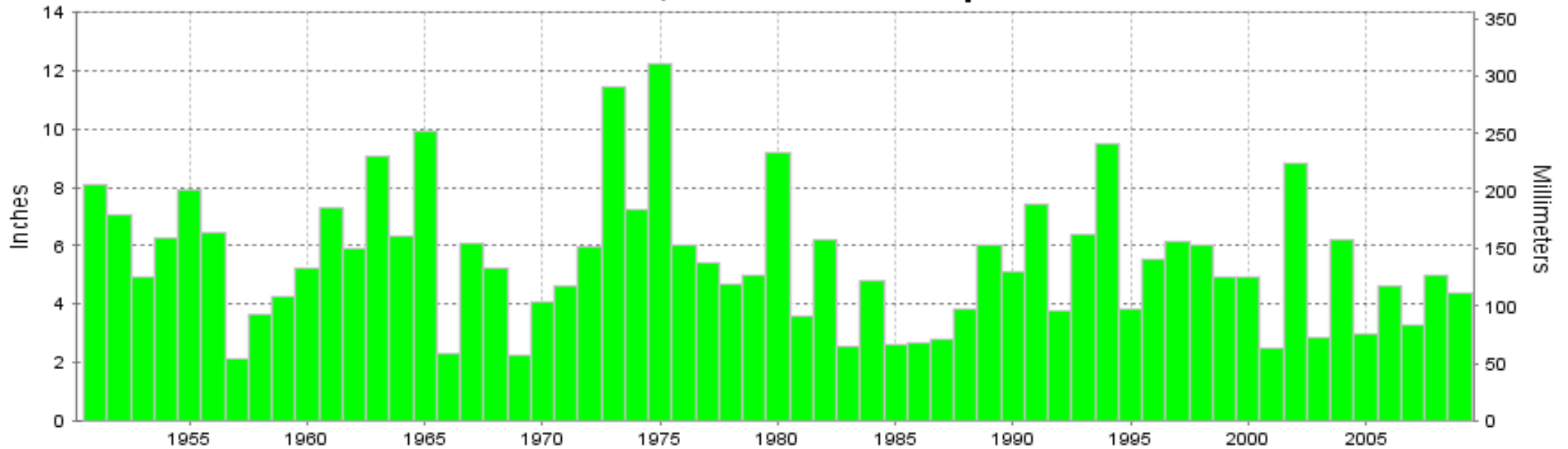
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			47	38	43	73	29.17	30.15	9.30	2	0	35
02			45	38	42	76	29.17	30.15	9.37	2	2	27
03			45	37	42	77	29.17	30.15	8.90	2	0	08
04			44	37	41	79	29.16	30.14	8.44	2	1	09
05			43	37	41	79	29.17	30.15	8.15	2	1	09
06			43	37	40	81	29.18	30.16	8.09	2	1	09
07			43	37	40	82	29.19	30.17	7.89	2	2	09
08			44	37	41	78	29.20	30.19	7.38	2	2	09
09			47	38	43	75	29.20	30.19	8.34	3	1	09
10			50	38	45	67	29.21	30.19	9.00	5	0	09
11			52	39	46	63	29.21	30.19	9.48	6	1	09
12			54	39	47	60	29.20	30.18	9.23	5	1	27
13			57	39	49	57	29.18	30.16	9.45	6	0	28
14			58	39	49	53	29.16	30.14	9.87	7	0	08
15			59	39	50	53	29.14	30.12	9.55	6	1	27
16			59	39	49	53	29.13	30.11	9.52	7	1	27
17			59	38	49	52	29.13	30.11	9.50	6	1	27
18			58	38	49	52	29.13	30.11	9.70	5	1	27
19			56	38	48	55	29.14	30.12	9.67	4	1	27
20			54	38	47	60	29.15	30.13	9.60	3	1	27
21			52	39	46	65	29.15	30.14	9.43	2	1	28
22			50	39	45	69	29.16	30.15	9.67	3	1	27
23			49	39	45	71	29.17	30.15	9.63	3	1	27
24			48	39	44	73	29.16	30.15	9.67	3	1	27

## OAK RIDGE, TN MARCH Temperatures



Long-Term (1951-2009) Mean: 48.7  
 1971-2000 Normal: 48.8

## OAK RIDGE, TN MARCH Precipitation



Long-Term (1951-2009) Mean Monthly Total: 5.52

1971-2000 Normal: 5.72



MARCH 2009  
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.*

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