



# MARCH 2011 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	59	35	47	3	34	41	18	0				0.00	29.24	30.25	1.7	05	2.7	17	01	10	07	01		
02	66	32	49	4	32	41	16	0	BR			0.00	29.28	30.29	1.0	09	1.6	10	05	7	03	02		
03	69	38	54	9	31	43	11	0				0.00	29.32	30.30	1.5	17	4.8	18	21	13	18	03		
04	67	48	58	13	37	47	7	0				0.00	29.33	30.30	4.9	20	5.6	31	17	22*	19	04		
05	59	53	56	10	49	52	9	0	RA BR			1.39	29.13	30.07	1.3	22	2.5	21	21	13	20	05		
06	54	36	45	-1	34	38	20	0	RA BR			0.92	29.05	30.07	3.7	35	4.7	18	30	13	35	06		
07	52	34	43	-3	29	37	22	0				0.00	29.20	30.20	3.2	03	4.0	17	06	12	07	07		
08	60	37	49	2	36	42	16	0	RA BR			0.23	29.24	30.23	0.4	17	0.9	12	09	8	10	08		
09	58	46	52	5	49	50	13	0	RA BR			1.26	29.03	29.99	0.4	03	1.3	16	08	12	08	09		
10	53	37	45	-2	38	42	20	0	RA BR			0.63	28.98	29.98	4.1	26	5.1	22	25	15	26	10		
11	51	36	44	-3	27	36	21	0	RA SN			T	29.15	30.17	3.1	26	4.7	17	32	13	26	11		
12	72	32*	52	4	32	43	13	0				0.00	29.14	30.12	4.0	22	4.7	28	21	18	21	12		
13	72	44	58	10	39	49	7	0				0.00	29.18	30.17	1.0	23	3.5	16	21	10	25	13		
14	59	47	53	5	40	46	12	0	RA			T	29.20	30.17	4.0	05	5.3	17	05	12	06	14		
15	61	48	55	6	47	50	10	0	RA BR			0.28	29.13	30.11	1.7	24	4.7	23	25	14	25	15		
16	57	40	49	0	38	43	16	0				0.00	29.26	30.26	1.1	24	1.7	10	21	8	21	16		
17	73	34	54	5	39	46	11	0	FG+ FG BR			0.00	29.29	30.28	1.9	21	2.9	17	20	12	18	17		
18	80	48	64	15	48	56	1	0				0.00	29.19	30.15	3.1	24	3.8	18	19	12	21	18		
19	72	56	64	14	39	51	1	0				0.00	29.28	30.25	5.4	05	6.0	20	06	14	06	19		
20	77	52	65	15	41	52	0	0				0.00	29.33	30.29	2.9	19	5.7	24	18	17	20	20		
21	78	59	69	19	51	58	0	4				0.00	29.25	30.19	3.1	22	4.7	21	20	14	20	21		
22	83*	54	69*	18	47	57	0	4				0.00	29.05	29.97	3.2	22	4.8	24	24	16	20	22		
23	68	55	62	11	54	58	3	0	RA BR			0.33	28.79	29.71	4.9	22	5.5	32*	20	18	21	23		
24	60	41	51	0	34	41	14	0				0.00	28.92	29.94	2.1	30	4.2	18	28	12	32	24		
25	52	40	46	-5	33	40	19	0	RA			0.02	29.04	30.04	0.5	35	2.0	10	26	7	25	25		
26	52	44	48	-4	41	45	17	0	RA BR			0.35	28.90	29.87	3.5	06	3.9	14	02	9	07	26		
27	49	39	44	-8	36	40	21	0	RA BR			0.04	28.94	29.95	5.5	05	6.6	16	05	12	07	27		
28	52	37	45	-7	36	40	20	0	RA BR			0.34	29.05	30.07	2.9	07	3.6	14	04	9	06	28		
29	64	36	50	-2	39	45	15	0	RA BR			0.05	29.13	30.11	0.3	04	1.8	13	25	9	25	29		
30	56	41	49	-4	47	48	16	0	RA BR			0.68	28.91	29.87	1.2	36	2.2	14	36	9	36	30		
31	43	39	41*	-12	36	39	24	0	RA BR			0.13	28.82	29.80	0.8	02	1.8	12	29	8	28	31		
62.2		42.5	52.4	☼	39.1	45.7	12.7	0.3	< MONTHLY AVERAGES   TOTALS >				6.65	29.12	30.10	0.3	24	3.8	< MONTHLY AVERAGES					
1.2	5.9	3.6	-----DEPARTURE FROM NORMAL ----->				0.93	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																
<b>DEGREE DAYS</b>									GREATEST 24-HR PRECIPITATION : 2.30 DATE : 05-06				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.40 17 0907							
SEASON TO DATE									GREATEST SNOW DEPTH :				MINIMUM :				29.58 23 1853							
TOTAL DEPARTURE			TOTAL DEPARTURE			NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0		MINIMUM TEMP <= 32 : 2		PRECIPITATION >= 0.01 INCH: 14										
HEATING : 393			-117			3442 -211				MAXIMUM TEMP <= 32 : 0		MINIMUM TEMP <= 0 : 0		PRECIPITATION >= 0.10 INCH: 11										
COOLING : 8			6			8 6				THUNDERSTORMS : 0		HEAVY FOG : 1		SNOWFALL >= 1.0 INCH :										

**MARCH 2011  
OAK RIDGE, TN**

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
MARCH 2011

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												03	0.00	0.00	
04													04												04	0.00	0.00	
05								T	0.01	T	T	T	05	T	0.02	0.01	0.02	0.14	0.14	0.13	0.16	0.07	0.16	0.18	0.35	05	1.39	1.39
06	0.16	0.13	0.07	0.07	0.10	0.17	0.12	0.10	T				06												06	0.92	0.92	
07													07												07	0.00	0.00	
08													08				0.01	0.02	0.06	0.06	0.02	0.03	0.02	0.01	08	0.23	0.23	
09	0.03	0.02	T		0.01	0.06	0.11	0.19	0.24	0.22	0.30	0.04	09	T			T		0.01	0.01	0.01	0.01			09	1.26	1.26	
10	0.22	0.07	0.04	0.05	0.08	0.05	0.09	0.02	T				10	T	T		T	T	T	T	T	T		0.01	10	0.63	0.63	
11	T	T	T	T	T								11												11	T	T	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14						T	T				T	T	14									T	T		14	T	T	
15	0.01	0.03	0.03	T	0.11	T		0.01	T	0.01	0.03	0.03	15	0.02	T										15	0.28	0.28	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23			T	0.11	0.05	0.03		0.04	0.09	0.01		23	0.33	0.33	
24													24												24	0.00	0.00	
25													25			T	0.02	T		T			T	T	25	0.02	0.02	
26			T										26			0.01	0.02	0.03	0.08	0.13	0.06	0.02	T		26	0.35	0.35	
27		T	0.01	0.02	0.01								27												27	0.04	0.04	
28	0.01	0.02	0.12	0.03	0.09	0.03	0.03	0.01	T				28												28	0.34	0.34	
29													29												29	0.05	0.05	
30	0.01	T	0.07	0.33	0.08	0.12	0.03	0.01	0.01			T	30	T	0.02	T					T		0.05	30	0.68	0.68		
31								T	0.01	0.04	0.02	0.04	31	0.01	0.01										31	0.13	0.13	

\* 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)	0.10	0.11	0.14	0.16	0.20	0.28	0.35	0.43	0.49	0.53	0.65	0.77
Ending Date	23	23	30	09	05	05	05	05	09	09	09	09
Ending Time (Hr/Min)	1514	1518	0322	1012	2351	2358	2358	2358	1102	1108	1058	1052

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 2011

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							10.00	10.00	
02							1.25	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							2.00	10.00	
06							4.00	10.00	
07							10.00	10.00	
08							4.00	10.00	
09							1.50	10.00	
10							3.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							2.50	10.00	
16							10.00	10.00	
17							0.25	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							10.00	10.00	
23							4.00	10.00	
24							10.00	10.00	
25							9.00	10.00	
26							3.00	10.00	
27							3.00	10.00	
28							2.00	10.00	
29							6.00	10.00	
30							1.75	10.00	
31							4.00	10.00	
MONTHLY AVGS							6.49	10.00	
<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		10			16				



# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

## MARCH 2011

## KOQT

## WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)											
			Observation Time (LST)	Eff Cld Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Cld Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL								
SUNRISE: 0651												MAR 13												SUNSET: 1842											
01	CLR	NC			10.00		48	38	43	68	3	20	29.14	30.12	01	FEW	100			10.00		66	52	58	61	0	00	29.19	30.13						
04	CLR	NC			10.00		45	38	42	77	0	00	29.15	30.12	04	BKN	100			10.00		60	50	55	70	6	06	29.22	30.16						
07	CLR	NC			10.00		46	37	42	71	0	00	29.20	30.17	07	OVC	044			10.00		56	46	51	69	6	05	29.30	30.26						
10	CLR	NC			10.00		60	40	50	48	0	00	29.23	30.19	10	SCT	085			10.00		60	41	50	50	8	05	29.35	30.30						
13	BKN	060			10.00		69	42	55	38	8	31	29.21	30.18	13	CLR	NC			10.00		69	35	52	29	9	05	29.34	30.29						
16	SCT	065			10.00		72	43	56	35	5	VR	29.18	30.15	16	CLR	NC			10.00		71	31	52	23	8	06	29.28	30.24						
19	OVC	075			10.00		67	44	55	44	6	26	29.20	30.18	19	CLR	NC			10.00		66	32	50	28	3	05	29.30	30.27						
22	OVC	090			10.00		62	32	48	32	3	06	29.23	30.20	22	CLR	NC			10.00		60	32	47	35	3	04	29.34	30.31						
SUNRISE: 0650												MAR 14												SUNSET: 1843											
01	OVC	080			10.00		57	32	46	39	3	05	29.22	30.18	01	CLR	NC			10.00		56	30	44	37	6	04	29.35	30.31						
04	OVC	070			10.00		52	32	43	47	0	00	29.18	30.14	04	BKN	090			10.00		56	30	44	37	6	06	29.34	30.30						
07	OVC	090			10.00		49	39	44	69	7	06	29.24	30.21	07	BKN	085			10.00		52	33	43	49	0	00	29.37	30.34						
10	OVC	036			10.00	-RA	48	40	44	74	8	03	29.27	30.25	10	OVC	080			10.00		60	33	47	36	0	00	29.40	30.36						
13	OVC	043			10.00		53	42	48	66	6	05	29.22	30.20	13	BKN	080			10.00		73	44	57	35	7	VR	29.34	30.30						
16	SCT	085			10.00		56	43	49	62	5	VR	29.14	30.12	16	FEW	060			10.00		76	50	61	40	9	20	29.27	30.22						
19	SCT	080			10.00		55	43	49	64	6	04	29.15	30.13	19	FEW	050			10.00		70	50	59	49	10	20	29.28	30.25						
22	OVC	110			10.00		53	43	48	69	7	06	29.14	30.13	22	CLR	NC			10.00		62	49	55	63	6	22	29.33	30.30						
SUNRISE: 0648												MAR 15												SUNSET: 1844											
01	OVC	050			8.00	-RA	51	46	48	83	3	18	29.17	30.15	01	OVC	033			10.00		60	49	54	67	6	24	29.31	30.26						
04	OVC	070			8.00		51	49	50	93	0	00	29.13	30.10	04	OVC	036			10.00		59	49	54	70	6	24	29.30	30.26						
07	OVC	065			4.00	BR	50	49	49	96	0	00	29.13	30.11	07	OVC	027			10.00		59	50	54	72	0	00	29.34	30.30						
10	OVC	048			6.00	-RA BR	53	50	51	90	3	05	29.13	30.10	10	BKN	025			10.00		66	54	59	65	6	24	29.32	30.28						
13	OVC	060			10.00	-RA	56	52	54	87	0	00	29.10	30.07	13	FEW	043			10.00		75	54	63	48	8	22	29.25	30.20						
16	BKN	070			10.00		60	48	54	65	7	VR	29.07	30.03	16	FEW	055			10.00		76	53	62	45	8	22	29.16	30.11						
19	OVC	055			10.00		55	42	49	62	8	28	29.13	30.11	19	CLR	NC			10.00		73	50	60	44	7	20	29.13	30.08						
22	BKN	048			10.00		50	38	44	64	8	26	29.19	30.18	22	SCT	060			10.00		66	52	58	61	3	21	29.16	30.11						
SUNRISE: 0647												MAR 16												SUNSET: 1845											
01	OVC	045			10.00		48	38	43	68	5	21	29.20	30.19	01	CLR	NC			10.00		62	51	56	67	0	00	29.14	30.09						
04	OVC	035			10.00		47	38	43	71	0	00	29.18	30.16	04	CLR	NC			10.00		58	51	54	78	0	00	29.12	30.06						
07	OVC	031			10.00		47	37	42	68	5	29	29.25	30.23	07	BKN	065			10.00		56	50	53	80	0	00	29.13	30.08						
10	OVC	025			10.00		48	37	43	66	5	VR	29.30	30.29	10	CLR	NC			10.00		68	51	58	55	6	25	29.13	30.07						
13	OVC	032			10.00		51	38	45	61	0	00	29.31	30.29	13	CLR	NC			10.00		79	47	61	32	6	VR	29.03	29.96						
16	BKN	036			10.00		55	39	47	55	0	00	29.28	30.27	16	CLR	NC			10.00		80	41	59	25	11	21	28.93	29.87						
19	CLR	NC			10.00		52	39	46	61	0	00	29.30	30.28	19	CLR	NC			10.00		77	39	57	26	7	21	28.91	29.85						
22	CLR	NC			10.00		43	38	41	83	0	00	29.32	30.32	22	CLR	NC			10.00		70	44	56	39	0	00	28.92	29.85						
SUNRISE: 0645												MAR 17												SUNSET: 1846											
01	CLR	NC			10.00		38	35	37	89	0	00	29.31	30.31	01	CLR	NC			10.00		63	45	53	52	3	24	28.91	29.84						
04	BKN	002			7.00		36	34	35	92	0	00	29.32	30.31	04	CLR	NC			10.00		57	48	52	72	0	00	28.84	29.78						
07	VV	001			0.25	FG	35	33	34	92	0	00	29.36	30.37	07	CLR	NC			10.00		63	52	57	68	5	22	28.83	29.76						
10	CLR	NC			10.00		49	41	45	74	0	00	29.38	30.38	10	OVC	033			10.00		66	55	60	68	8	21	28.82	29.76						
13	CLR	NC			10.00		63	41	52	45	6	22	29.31	30.30	13	OVC	026			10.00		67	56	61	68	11	21	28.77	29.71						
16	CLR	NC			10.00		73	43	57	34	8	19	29.22	30.20	16	OVC	031			10.00		64	59	61	84	8	23	28.67	29.62						
19	CLR	NC			10.00		69	42	55	38	7	21	29.20	30.19	19	FEW	039			10.00		66	58	61	76	13	24	28.64	29.58						
22	CLR	NC			10.00		64	42	53	45	3	VR	29.21	30.18	22	CLR	NC			10.00		58	54	56	87	0	00	28.69	29.63						
SUNRISE: 0644												MAR 18												SUNSET: 1847											
01	CLR	NC			10.00		58	42	50	55	6	24	29.20	30.16	01	FEW	044			10.00		59	45	52	60	6	29	28.77	29.70						
04	CLR	NC			10.00		56	42	49	60	0	00	29.22	30.18	04	CLR	NC			10.00		48	37	43	66	0	00	28.83	29.79						
07	BKN	060			10.00		50	43	47	77	0	00	29.25	30.22	07	CLR	NC			10.00		45	33	40	63	3	27	28.88	29.85						
10	OVC	050			10.00		64	44	54	48	6	23	29.27	30.23	10	OVC	043			10.00		48	34	42	59	5	27	28.97	29.93						
13	CLR	NC			10.00		77	52	62	42	7	VR	29.19	30.14	13	OVC	046			10.00		49	33	42	54	6	VR	29.00	29.97						
16	CLR	NC			10.00		79	53	63	41	8	23	29.13	30.07	16	OVC	041			10.00		49	34	42	56	3	VR	29.02	30.00						
19	SCT	070			10.00		77	52	62	42	0	00	29.13	30.09	19	OVC	050			10.00		45	33	40	63	3	34	29.08	30.07						
22	CLR	NC			10.00		71	53	61	53	3	24	29.17	30.12	22	OVC	046			10.00		43	32	38	65	0	00	29.08	30.07						

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

## MARCH 2011

## 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 Clد 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	OVC	039				40	33	37	76	6	07	29.05	30.04
04	OVC	037				41	31	37	68	0	00	29.10	30.09
07	OVC	035				40	29	36	65	0	00	29.08	30.08
10	CLR	NC				47	29	39	50	0	00	29.08	30.07
13	FEW	120				50	31	42	48	0	00	29.04	30.03
16	OVC	070				51	32	43	48	3	25	29.01	30.00
19	OVC	060				47	39	43	74	0	00	29.01	30.00
22	OVC	070				47	39	43	74	0	00	29.01	29.99
<b>SUNRISE: 0632      MAR 26      SUNSET: 1854</b>													
01	OVC	065				46	41	44	83	0	00	29.00	29.98
04	OVC	055				45	37	41	74	5	05	28.96	29.94
07	OVC	060				45	37	41	74	6	05	28.96	29.94
10	OVC	060				48	37	43	66	5	VR	28.94	29.92
13	OVC	024				52	40	46	64	6	06	28.87	29.85
16	OVC	020			-RA	50	45	48	83	0	00	28.82	29.80
19	OVC	024			+RA BR	48	46	47	93	6	10	28.82	29.80
22	OVC	055				48	46	47	93	3	06	28.79	29.78
<b>SUNRISE: 0631      MAR 27      SUNSET: 1854</b>													
01	OVC	017				49	46	47	89	5	06	28.79	29.77
04	OVC	014			-RA BR	42	40	41	93	9	06	28.85	29.83
07	OVC	014				39	36	38	89	5	07	28.93	29.92
10	OVC	020				43	36	40	76	9	06	28.97	29.95
13	OVC	020				45	36	41	71	6	VR	29.00	29.99
16	OVC	024				47	36	42	66	6	06	29.00	29.98
19	OVC	026				43	34	39	71	5	VR	29.02	30.02
22	OVC	022				40	32	37	73	6	VR	29.05	30.04
<b>SUNRISE: 0629      MAR 28      SUNSET: 1855</b>													
01	OVC	020			-RA	39	34	37	82	6	06	28.99	29.98
04	OVC	033			-RA BR	38	36	37	93	6	VR	28.95	29.94
07	OVC	019			-RA BR	39	37	38	93	0	00	29.08	30.07
10	OVC	036				39	36	38	89	6	06	29.12	30.11
13	OVC	024				48	39	44	71	3	VR	29.08	30.07
16	OVC	033				50	37	44	61	6	10	29.08	30.07
19	OVC	041				49	36	43	61	5	08	29.10	30.09
22	CLR	NC				40	36	38	86	0	00	29.15	30.16
<b>SUNRISE: 0628      MAR 29      SUNSET: 1856</b>													
01	CLR	NC				37	34	36	89	0	00	29.14	30.14
04	CLR	NC				37	35	36	93	3	04	29.14	30.14
07	CLR	NC				39	34	37	82	0	00	29.17	30.17
10	CLR	NC				50	35	43	57	3	06	29.21	30.21
13	CLR	NC				59	38	49	46	0	00	29.14	30.13
16	CLR	NC				63	41	52	45	3	VR	29.09	30.06
19	BKN	080				58	44	51	60	5	24	29.06	30.04
22	OVC	090				54	44	49	69	3	27	29.10	30.07
<b>SUNRISE: 0627      MAR 30      SUNSET: 1857</b>													
01	OVC	055				51	48	49	90	0	00	29.04	30.01
04	OVC	060			+RA BR	49	47	48	93	0	00	28.97	29.94
07	OVC	030			-RA BR	51	49	50	93	0	00	28.92	29.89
10	OVC	036				53	50	51	90	0	00	28.87	29.84
13	OVC	006			BR	54	52	53	93	3	VR	28.84	29.81
16	OVC	019				55	51	53	86	5	28	28.81	29.78
19	OVC	029				48	42	45	80	7	36	28.86	29.83
22	OVC	021				43	37	40	79	5	01	28.91	29.89

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 Clد 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	OVC	027				41	36	39	82	3	06	28.88	29.86
04	OVC	035				41	36	39	82	0	00	28.82	29.80
07	OVC	014				40	35	38	82	3	07	28.83	29.82
10	OVC	008			-RA BR	40	37	39	89	3	04	28.82	29.81
13	OVC	013			-RA	40	37	39	89	3	07	28.80	29.79
16	OVC	030				42	38	40	86	0	00	28.77	29.75
19	OVC	026				42	34	39	73	5	28	28.77	29.77
22	OVC	042				42	35	39	76	0	00	28.79	29.79

### 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.

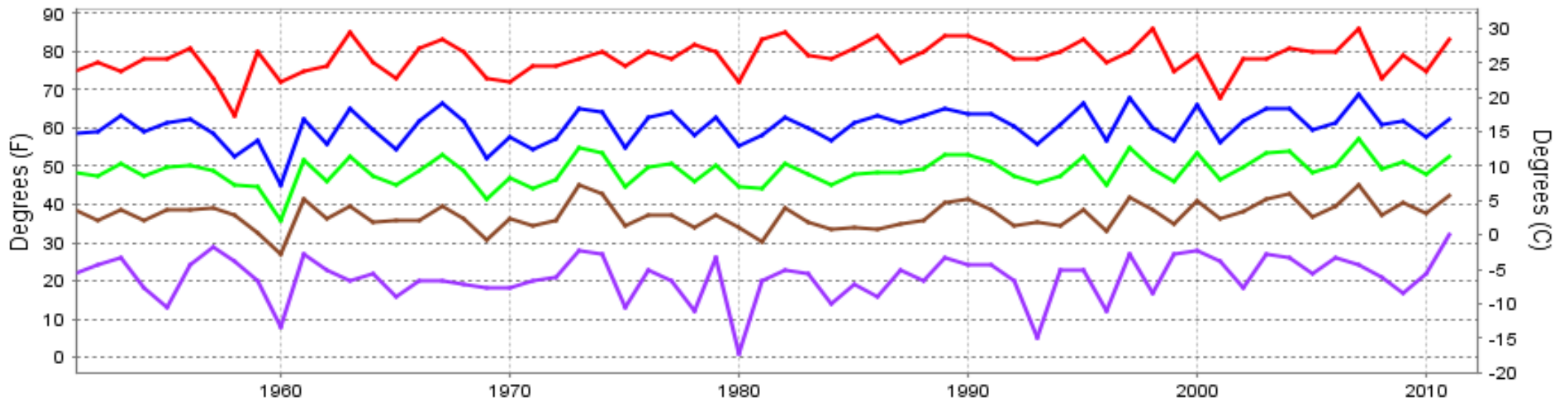
& = Original observation contained additional weather elements.

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			48	39	44	72	29.12	30.10	9.16	3	0	15
02			48	38	43	73	29.12	30.10	8.77	3	0	16
03			47	38	43	74	29.12	30.10	8.87	3	2	10
04			46	38	42	75	29.12	30.09	8.73	2	1	12
05			45	37	42	75	29.13	30.10	8.63	3	2	11
06			45	37	42	76	29.14	30.12	8.63	2	1	12
07			45	38	42	78	29.15	30.13	8.39	2	1	13
08			46	38	42	77	29.16	30.14	8.41	2	2	11
09			48	38	44	71	29.17	30.15	8.56	4	1	13
10			51	39	45	65	29.17	30.15	9.34	5	1	24
11			53	39	46	62	29.16	30.14	9.60	4	0	16
12			55	40	48	58	29.15	30.13	9.52	5	0	21
13			57	40	49	56	29.13	30.11	9.66	5	2	25
14			59	40	49	53	29.11	30.08	9.74	6	2	25
15			60	40	50	53	29.09	30.07	9.77	6	1	26
16			60	40	50	53	29.08	30.06	9.71	6	2	26
17			59	40	50	54	29.08	30.06	9.23	6	2	26
18			58	40	49	56	29.09	30.07	9.50	5	2	26
19			56	40	48	59	29.10	30.08	9.35	5	2	26
20			54	40	47	63	29.11	30.09	9.40	3	1	25
21			53	40	46	65	29.12	30.10	9.68	3	1	23
22			51	39	46	67	29.12	30.10	9.61	3	1	24
23			50	39	45	69	29.12	30.10	9.44	2	1	23
24			49	39	45	71	29.11	30.09	9.39	3	1	23

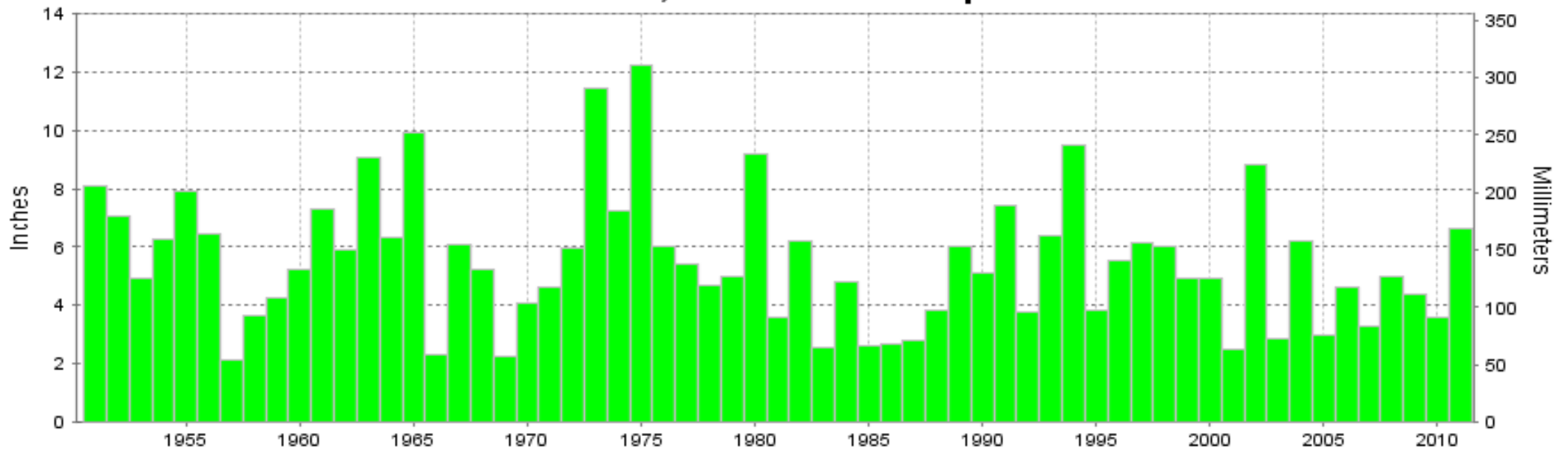
# OAK RIDGE, TN MARCH Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2011) Mean: 48.8  
1971-2000 Normal: 48.8

# OAK RIDGE, TN MARCH Precipitation



Long-Term (1951-2011) Mean Monthly Total: 5.50

1971-2000 Normal: 5.72



MARCH 2011  
OAK RIDGE, TN

## LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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