



MARCH 2010 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	45	35	40	-4	28	35	25	0				0.00	29.09	30.09	3.6	05	4.1	15	05	9	04	01		
02	40	33	37	-8	30	34	28	0	RA SN FG BR UP			0.10	28.85	29.85	4.2	02	5.8	21	34	15	01	02		
03	38	29	34*	-11	23	30	31	0				0.00	28.94	29.97	2.5	35	3.2	14	33	10	33	03		
04	51	29	40	-5	21	33	25	0				0.00	29.07	30.09	2.2	34	3.2	20	32	13	31	04		
05	50	22*	36	-10	16	29	29	0				0.00	29.22	30.25	2.3	05	3.0	18	04	15	09	05		
06	56	24	40	-6	18	32	25	0				0.00	29.31	30.33	2.5	06	2.8	17	07	12	09	06		
07	59	25	42	-4	21	33	23	0				0.00	29.26	30.25	0.4	20	1.0	10	22	8	18	07		
08	70	34	52	5	33	43	13	0	RA		T	29.10	30.07	1.0	25	1.7	20	26	12	26	08			
09	69	35	52	5	38	45	13	0	RA		T	29.00	29.96	0.9	24	1.9	18	19	12	20	09			
10	63	48	56	9	46	51	9	0	RA		T	28.91	29.86	1.1	24	2.1	20	20	10	21	10			
11	57	45	51	4	49	50	14	0	RA FG+ FG BR			0.27	28.83	29.79	0.2	06	0.6	10	09	8	09	11		
12	57	46	52	4	50	50	13	0	RA FG+ FG BR			1.05	28.69	29.62	0.8	01	1.0	16	29	10	27	12		
13	51	39	45	-3	41	44	20	0	RA BR			0.03	28.56	29.53	3.4	23	4.5	16	26	10	25	13		
14	48	42	45	-3	42	44	20	0	RA BR			0.07	28.67	29.68	3.1	22	4.1	16	20	10	21	14		
15	51	43	47	-2	38	42	18	0				0.00	28.96	29.98	3.3	35	4.0	17	01	12	35	15		
16	50	43	47	-2	39	43	18	0				0.00	29.12	30.12	2.2	04	2.7	13	05	8	04	16		
17	52	45	49	0	40	44	16	0				0.00	29.08	30.06	1.4	05	1.7	9	07	6	06	17		
18	67	43	55	6	39	46	10	0	BR			0.00	28.99	29.97	0.6	34	0.6	14	32	9	34	18		
19	70	34	52	2	33	43	13	0				0.00	29.04	30.03	1.0	22	1.4	14	20	9	19	19		
20	72	36	54	4	37	46	11	0				0.00	29.06	30.03	1.9	22	2.3	23	21	15	20	20		
21	59	43	51	1	44	48	14	0	RA BR			0.58	28.88	29.83	0.6	04	2.8	32*	26	17	24	21		
22	45	35	40	-11	33	37	25	0	RA			0.01	28.84	29.83	3.7	23	4.5	22	29	13	29	22		
23	65	35	50	-1	37	43	15	0	BR UP			T	28.97	29.99	3.6	25	4.5	21	26	13	27	23		
24	73	37	55	4	39	47	10	0				0.00	29.10	30.06	0.6	19	1.2	13	27	9	25	24		
25	57	46	52	1	47	49	13	0	RA BR			0.53	28.90	29.83	1.1	24	1.6	17	24	12	22	25		
26	50	37	44	-8	38	42	21	0	RA			0.02	28.90	29.94	2.0	35	6.1	20	05	11	35	26		
27	66	32	49	-3	34	42	16	0				0.00	29.11	30.10	2.2	15	3.9	20	18	14	19	27		
28	61	48	55	3	46	50	10	0	RA BR			0.91	28.86	29.80	3.1	23	4.2	28	24	18*	18	28		
29	54	45	50	-2	41	46	15	0				0.00	28.85	29.85	2.5	32	4.7	17	36	13	36	29		
30	64	44	54	1	38	46	11	0				0.00	29.01	30.00	0.5	22	1.6	12	07	8	17	30		
31	75*	37	56*	3	39	47	9	0	BR			0.00	29.08	30.06	0.4	18	1.8	16	19	10	15	31		
57.6		37.7	47.7	☼	36.1	42.4	17.2	0.0	< MONTHLY AVERAGES TOTALS >				3.57	28.97	29.96	0.4	30	2.9	< MONTHLY AVERAGES					
-3.4		1.1	-1.1		-----DEPARTURE FROM NORMAL -----								-2.15	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3										
DEGREE DAYS									GREATEST 24-HR PRECIPITATION : 1.05 DATE : 12				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY									GREATEST 24-HR SNOWFALL :				MAXIMUM : 30.40				06 0953							
TOTAL DEPARTURE									GREATEST SNOW DEPTH :				MINIMUM : 29.51				13 1653							
SEASON TO DATE									NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0				MINIMUM TEMP <= 32 : 6				PRECIPITATION >= 0.01 INCH : 10			
HEATING : 533 23 3790 137									THUNDERSTORMS : 0				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 6			
COOLING : 0 -2 0 -2																	SNOWFALL >= 1.0 INCH :							

MARCH 2010
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
MARCH 2010

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	T	T	T									02	0.10	0.10		
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				T									08												08	T	T		
09													09												09	T	T		
10	T	T											10												10	T	T		
11													11												11	0.27	0.27		
12													12	0.15	0.06										12	1.05	1.05		
13	T												13	0.08	0.57	0.17	0.20	0.03		T					13	0.03	0.03		
14		T	T										14	0.01	T	0.01	T	0.01							14	0.07	0.07		
15													15	0.01	0.01	T	0.02	0.01		T	T				15	0.00	0.00		
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	T	T	0.01	T				0.01	0.01	0.42	0.11	T	21	0.58	0.58	
22				T	T								22	T	0.01	T				T					22	0.01	0.01		
23													23												23	T	T		
24													24												24	0.00	0.00		
25													25	0.02	0.01	0.01	T	0.02		T			0.07	0.09	0.16	T	25	0.53	0.53
26			0.01	0.01									26												26	0.02	0.02		
27													27												27	0.00	0.00		
28					0.01	0.02							28	0.22	0.05		0.23	T							28	0.91	0.91		
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)	0.25	0.34	0.40	0.49	0.58	0.60	0.61	0.67	0.70	0.77	0.85	0.98
Ending Date	12	12	12	12	12	12	12	12	12	12	12	12
Ending Time (Hr/Min)	1311	1311	1321	1323	1323	1339	1349	1414	1434	1455	1525	1554

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 2010

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							0.50	10.00	
03							10.00	10.00	
04							10.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							10.00	10.00	
11							0.25	10.00	
12							0.25	10.00	
13							9.00	10.00	
14							4.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							5.00	10.00	
19							9.00	10.00	
20							10.00	10.00	
21							3.00	10.00	
22							10.00	10.00	
23							5.00	10.00	
24							8.00	10.00	
25							2.50	10.00	
26							8.00	10.00	
27							9.00	10.00	
28							1.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
31							5.00	10.00	
MONTHLY AVGS							7.31	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25		<= 3.0			>= 7.0				
2		6			21				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2010

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND RELATIVE HUMIDITY (PCT)	WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)	
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT			WET BULB	STATION
SUNRISE: 0707 MAR 01 SUNSET: 1832												
01	OVC	029				36	28	33	73	0 00	29.10	30.11
04	OVC	027				36	29	33	76	0 00	29.10	30.11
07	OVC	027				36	27	33	70	3 03	29.13	30.14
10	CLR	NC				39	26	34	60	0 00	29.13	30.14
13	CLR	NC				42	27	36	55	6 07	29.10	30.11
16	CLR	NC				44	28	37	53	7 02	29.06	30.06
19	FEW	120				40	28	35	62	5 04	29.06	30.06
22	BKN	110				38	29	34	70	5 05	29.04	30.04
SUNRISE: 0706 MAR 02 SUNSET: 1832												
01	OVC	110				37	29	34	73	6 03	28.96	29.96
04	OVC	100				37	29	34	73	8 05	28.93	29.93
07	OVC	070				37	28	33	70	7 05	28.86	29.85
10	OVC	020			-SN BR	35	32	34	89	0 00	28.88	29.88
13	OVC	038			-RA	38	35	37	89	6 VR	28.81	29.81
16	BKN	038				39	32	36	76	9 02	28.77	29.76
19	OVC	060				37	31	35	79	3 03	28.80	29.80
22	OVC	039				38	27	34	65	6 34	28.83	29.83
SUNRISE: 0705 MAR 03 SUNSET: 1833												
01	BKN	032				33	24	30	70	5 36	28.87	29.87
04	OVC	028				32	24	29	72	0 00	28.88	29.89
07	OVC	024				32	23	29	69	0 00	28.91	29.92
10	OVC	028				33	23	29	67	5 VR	28.95	29.96
13	BKN	034				37	22	31	55	5 33	28.96	29.97
16	OVC	036				37	21	31	52	6 36	28.97	29.97
19	BKN	040				34	21	29	59	0 00	29.01	30.03
22	BKN	070				30	23	28	75	0 00	29.05	30.06
SUNRISE: 0703 MAR 04 SUNSET: 1834												
01	OVC	030				34	25	31	70	6 35	29.04	30.04
04	OVC	080				34	25	31	70	7 34	29.03	30.04
07	BKN	080				33	25	30	72	3 VR	29.08	30.09
10	FEW	039				39	26	34	60	0 00	29.13	30.14
13	BKN	049				45	23	36	42	5 31	29.10	30.11
16	CLR	NC				50	16	37	26	6 VR	29.07	30.06
19	CLR	NC				44	14	33	30	6 36	29.10	30.10
22	CLR	NC				35	20	30	54	0 00	29.13	30.14
SUNRISE: 0702 MAR 05 SUNSET: 1835												
01	CLR	NC				28	21	26	75	0 00	29.15	30.17
04	CLR	NC				25	20	23	81	0 00	29.17	30.18
07	CLR	NC				22	19	21	88	0 00	29.22	30.24
10	CLR	NC				39	13	30	34	7 04	29.27	30.29
13	CLR	NC				46	10	34	23	6 36	29.27	30.28
16	CLR	NC				49	13	36	23	10 06	29.23	30.25
19	CLR	NC				43	12	32	28	0 00	29.25	30.27
22	CLR	NC				33	17	28	52	0 00	29.29	30.31
SUNRISE: 0701 MAR 06 SUNSET: 1836												
01	CLR	NC				28	20	25	72	3 03	29.30	30.32
04	CLR	NC				27	20	25	75	0 00	29.31	30.33
07	CLR	NC				25	20	23	81	3 04	29.35	30.37
10	CLR	NC				41	21	34	45	6 05	29.38	30.40
13	CLR	NC				51	14	37	23	8 07	29.34	30.35
16	CLR	NC				55	13	39	19	6 09	29.29	30.29
19	CLR	NC				50	11	36	21	0 00	29.28	30.30
22	CLR	NC				39	19	32	45	0 00	29.28	30.29
SUNRISE: 0659 MAR 07 SUNSET: 1837												
01	CLR	NC				32	21	28	64	0 00	29.30	30.30
04	CLR	NC				28	22	26	78	0 00	29.28	30.28
07	CLR	NC				25	21	24	85	0 00	29.32	30.34
10	CLR	NC				37	26	33	65	0 00	29.33	30.34
13	CLR	NC				51	18	38	27	0 00	29.26	30.27
16	CLR	NC				58	14	41	18	6 VR	29.17	30.18
19	CLR	NC				52	19	39	27	0 00	29.16	30.17
22	CLR	NC				40	24	34	53	0 00	29.17	30.18
SUNRISE: 0658 MAR 08 SUNSET: 1838												
01	CLR	NC				38	24	33	57	0 00	29.15	30.15
04	OVC	070				38	29	34	70	0 00	29.15	30.14
07	OVC	100				39	30	35	70	0 00	29.17	30.16
10	CLR	NC				50	23	39	35	0 00	29.15	30.15
13	CLR	NC				63	33	49	33	0 00	29.10	30.08
16	FEW	080				70	38	54	31	5 25	29.01	29.98
19	CLR	NC				65	37	51	36	0 00	29.00	29.98
22	SCT	070				50	39	45	66	0 00	29.03	30.01
SUNRISE: 0657 MAR 09 SUNSET: 1839												
01	CLR	NC				45	38	42	77	0 00	29.02	29.99
04	CLR	NC				38	35	37	89	0 00	29.01	29.98
07	CLR	NC				36	34	35	92	0 00	29.04	30.02
10	CLR	NC				53	40	47	62	0 00	29.07	30.04
13	CLR	NC				68	37	52	32	3 VR	29.00	29.96
16	OVC	095				66	34	50	31	7 22	28.94	29.91
19	OVC	085				61	41	51	48	3 25	28.95	29.92
22	CLR	NC				50	45	48	83	0 00	28.94	29.91
SUNRISE: 0655 MAR 10 SUNSET: 1840												
01	OVC	044			-RA	56	39	48	53	5 24	28.93	29.88
04	OVC	038				53	44	48	72	0 00	28.89	29.85
07	OVC	031				54	44	49	69	0 00	28.93	29.89
10	OVC	060				56	46	51	69	5 VR	28.93	29.90
13	OVC	037				60	47	53	62	3 VR	28.91	29.88
16	SCT	042				62	49	55	63	3 VR	28.87	29.83
19	CLR	NC				59	48	53	67	3 21	28.87	29.84
22	OVC	050				55	48	51	77	0 00	28.89	29.86
SUNRISE: 0654 MAR 11 SUNSET: 1841												
01	FEW	085				49	46	47	89	3 20	28.87	29.84
04	SCT	075				45	44	45	96	0 00	28.84	29.80
07	SCT	050				46	45	46	96	0 00	28.83	29.80
10	OVC	050				53	47	50	80	3 04	28.86	29.83
13	OVC	039			RA BR	53	52	52	96	0 00	28.84	29.81
16	OVC	030				55	53	54	93	0 00	28.77	29.73
19	OVC	060				56	54	55	93	0 00	28.78	29.76
22	VV	001			0.25 FG	51	51	51	100	0 00	28.81	29.79
SUNRISE: 0652 MAR 12 SUNSET: 1841												
01	VV	001			0.25 FG	48	48	48	100	0 00	28.81	29.79
04	VV	001			0.25 FG	47	47	47	100	5 04	28.76	29.72
07	VV	001			0.25 FG	46	46	46	100	0 00	28.73	29.69
10	CLR	NC			7.00	52	51	51	96	0 00	28.70	29.66
13	OVC	090			2.00 RA BR	55	54	54	96	0 00	28.63	29.59
16	OVC	070			1.75 +RA BR	54	52	53	93	8 33	28.56	29.52
19	BKN	018			10.00	52	51	51	96	0 00	28.59	29.55
22	FEW	024			6.00 BR	51	50	50	96	0 00	28.59	29.55

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2010

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 Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0634 MAR 25 SUNSET: 1853													
01	CLR	NC				49	41	45	74	0	00	29.02	29.98
04	CLR	NC				48	42	45	80	0	00	28.96	29.92
07	OVC	110			-RA	53	42	48	66	3	24	29.03	29.98
10	OVC	095			BR	53	51	52	93	0	00	28.93	29.90
13	OVC	085			-RA	56	52	54	87	3	22	28.87	29.84
16	OVC	055			-RA	54	47	50	77	3	26	28.79	29.76
19	OVC	046				53	47	50	80	0	00	28.71	29.68
22	OVC	060			RA BR	50	49	49	96	3	VR	28.71	29.67
SUNRISE: 0632 MAR 26 SUNSET: 1854													
01	BKN	065				49	48	48	96	0	00	28.70	29.65
04	OVC	026				49	47	48	93	7	24	28.71	29.68
07	OVC	037				45	42	44	89	5	24	28.80	29.78
10	OVC	021				42	36	39	79	7	VR	28.95	29.93
13	OVC	026				43	35	40	73	7	01	29.03	30.01
16	BKN	028				46	35	41	66	7	VR	29.06	30.04
19	OVC	024				43	33	39	68	8	04	29.13	30.12
22						41	33	38	73	6	06	29.14	30.14
SUNRISE: 0631 MAR 27 SUNSET: 1854													
01	CLR	NC				37	32	35	82	5	05	29.13	30.14
04	CLR	NC				34	31	33	89	6	04	29.13	30.14
07	CLR	NC				32	30	31	92	0	00	29.18	30.19
10	CLR	NC				45	34	40	65	0	00	29.20	30.20
13	CLR	NC				58	37	48	46	6	VR	29.14	30.14
16	CLR	NC				64	39	51	40	7	14	29.04	30.02
19	CLR	NC				64	34	50	33	10	19	29.00	29.98
22	CLR	NC				55	34	45	45	0	00	29.03	30.01
SUNRISE: 0629 MAR 28 SUNSET: 1855													
01	OVC	070				54	37	46	53	5	16	29.01	29.97
04	OVC	090				51	40	46	66	0	00	28.92	29.88
07	OVC	100				55	48	51	77	5	19	28.86	29.82
10	OVC	055			+RA BR	48	47	47	96	0	00	28.84	29.81
13	OVC	043			-RA	56	54	55	93	6	20	28.80	29.77
16	OVC	100			-RA	57	54	55	90	6	VR	28.74	29.71
19	BKN	080				58	42	50	55	8	27	28.78	29.74
22	CLR	NC				53	44	48	72	5	23	28.83	29.80
SUNRISE: 0628 MAR 29 SUNSET: 1856													
01	OVC	034				51	45	48	80	3	VR	28.81	29.78
04	OVC	032				50	43	47	77	7	26	28.79	29.76
07	OVC	038				49	44	47	83	3	23	28.80	29.77
10	OVC	033				51	42	47	71	8	33	28.85	29.82
13	OVC	060				53	41	47	64	3	36	28.87	29.84
16	OVC	047				50	40	45	69	8	01	28.88	29.86
19	OVC	024				46	39	43	77	8	35	28.94	29.92
22	OVC	022				46	39	43	77	0	00	28.98	29.96
SUNRISE: 0627 MAR 30 SUNSET: 1857													
01	OVC	022				46	40	43	80	0	00	28.99	29.96
04	OVC	029				46	40	43	80	0	00	28.99	29.97
07	OVC	023				46	41	44	83	0	00	29.03	30.02
10	OVC	025				51	39	45	64	5	34	29.08	30.06
13	CLR	NC				57	35	47	44	0	00	29.07	30.04
16	CLR	NC				63	34	49	34	0	00	29.00	29.96
19	CLR	NC				60	36	48	41	3	17	28.98	29.95
22	CLR	NC				49	40	45	71	0	00	29.04	30.01

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 Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0625 MAR 31 SUNSET: 1858													
01	CLR	NC				43	39	41	86	0	00	29.05	30.03
04	CLR	NC				39	37	38	93	0	00	29.07	30.04
07	CLR	NC			BR	37	36	37	96	0	00	29.13	30.11
10	CLR	NC				55	40	48	57	3	26	29.15	30.13
13	CLR	NC				68	38	53	33	0	00	29.10	30.07
16	CLR	NC				74	35	54	24	6	VR	29.05	30.02
19	CLR	NC				71	38	54	30	3	17	29.06	30.03
22	CLR	NC				56	44	50	64	0	00	29.10	30.07

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.

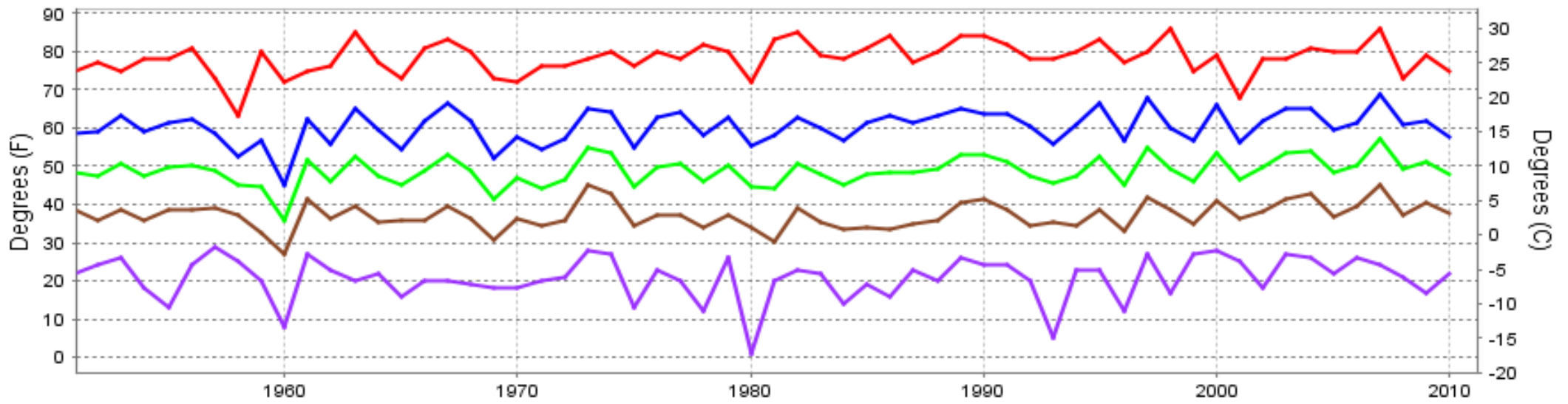
& = Original observation contained additional weather elements.

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)		WIND SPEED (MPH)	DIRECTION		
							STATION	SEA LEVEL				
01			43	36	40	78	28.98	29.96	9.62	2	1	31
02			42	36	39	80	28.98	29.96	9.69	1	1	33
03			41	36	39	82	28.97	29.95	9.60	1	2	30
04			41	36	39	82	28.97	29.95	9.59	2	1	31
05			40	35	38	83	28.97	29.96	9.30	2	2	29
06			40	35	38	84	28.99	29.97	9.30	2	1	30
07			40	35	38	84	29.00	29.98	9.23	2	1	32
08			42	37	40	83	29.00	29.99	9.23	2	1	34
09			45	37	41	74	29.01	30.00	9.48	3	2	28
10			47	37	42	68	29.02	30.00	9.13	3	1	31
11			50	37	44	64	29.01	30.00	9.37	4	1	31
12			52	37	45	60	29.01	29.99	9.61	4	1	07
13			54	37	46	58	28.99	29.97	9.13	4	1	29
14			55	36	46	55	28.97	29.95	9.71	5	2	28
15			56	36	47	53	28.95	29.93	9.53	6	1	29
16			56	36	47	53	28.94	29.92	9.64	6	1	30
17			56	35	47	52	28.94	29.92	10.00	5	0	01
18			55	35	46	53	28.95	29.93	9.90	5	1	28
19			53	35	45	56	28.96	29.94	9.97	3	1	29
20			50	37	44	63	28.97	29.95	9.74	2	2	29
21			48	37	43	68	28.98	29.96	9.05	1	3	29
22			46	37	42	71	28.98	29.97	9.25	1	1	33
23			44	37	41	75	28.99	29.97	9.31	1	1	31
24			43	36	40	77	28.98	29.96	9.29	2	1	35

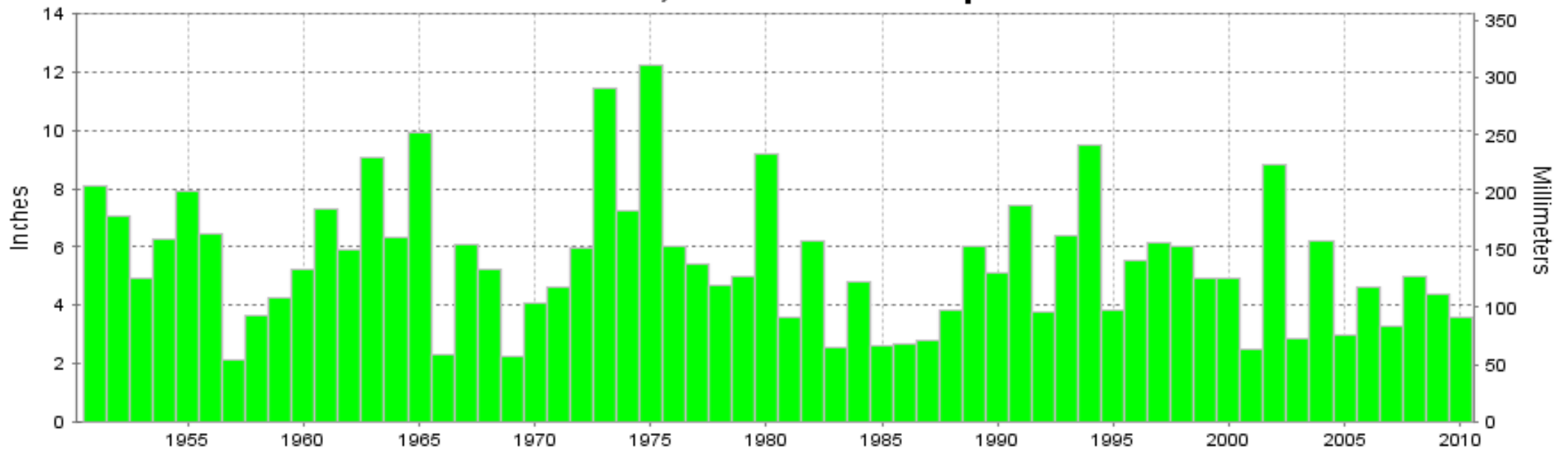
OAK RIDGE, TN MARCH Temperatures



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

Long-Term (1951-2010) Mean: 48.7
1971-2000 Normal: 48.8

OAK RIDGE, TN MARCH Precipitation



Long-Term (1951-2010) Mean Monthly Total: 5.49

1971-2000 Normal: 5.72



MARCH 2010
OAK RIDGE, TN

LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

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