



MARCH 2012 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			
01	70	44	57	13	38	49	8	0	RA			0.06	28.92	29.89	2.6	22	3.9	21	24	13	24	01		
02	72	43	58	13	50	53	7	0	RA BR			0.48	28.79	29.72	2.7	22	3.2	40*	27	26*	29	02		
03	58	42	50	5	25	40	15	0	RA			0.02	28.84	29.84	3.6	31	5.7	20	28	13	27	03		
04	49	33	41	-4	21	35	24	0				0.00	28.95	29.95	2.8	27	4.7	26	30	17	29	04		
05	50	31	41*	-5	21	35	24	0	RA			T	29.22	30.28	3.3	28	4.7	38	31	21	27	05		
06	65	27*	46	0	23	37	19	0				0.00	29.49	30.50	1.0	21	1.4	17	19	12	18	06		
07	68	38	53	7	37	46	12	0				0.00	29.46	30.43	5.4	19	5.8	30	19	18	18	07		
08	68	50	59	12	50	53	6	0	RA BR			1.25	29.25	30.21	0.5	36	3.0	25	36	17	36	08		
09	60	40	50	3	29	40	15	0	RA			0.01	29.34	30.36	3.0	02	4.8	16	35	12	33	09		
10	64	35	50	3	24	39	15	0				0.00	29.44	30.43	1.9	06	2.9	14	06	10	06	10		
11	69	32	51	4	34	43	14	0				0.00	29.42	30.41	0.7	19	1.3	17	26	12	20	11		
12	65	56	61	13	50	55	4	0	RA			0.01	29.28	30.24	2.6	21	3.8	20	22	14	19	12		
13	78	56	67	19			0	2	RA			T	29.21				1.5	16	23	10	19	13		
14	80	49	65	17	50	56	0	0				0.00	29.24	30.20	1.2	16	1.7	21	18	10	20	14		
15	83	52	68	19	54	58	0	3	RA BR			0.69	29.26	30.22	0.6	17	2.6	25	27	15	27	15		
16	78	53	66	17	57	59	0	1	RA FG BR			0.22	29.24	30.19	0.8	26	1.7	33	27	22	27	16		
17	75	55	65	16	58	60	0	0	RA FG+ FG BR			0.37	29.24	30.20	0.6	21	1.0	14	25	8	23	17		
18	81	59	70	21	57	61	0	5	RA BR			0.53	29.23	30.19	0.4	17	1.8	13	28	8	20	18		
19	83	53	68	18	53	59	0	3	BR			0.00	29.18	30.14	0.8	18	1.5	14	22	10	21	19		
20	86*	57	72*	22	56	61	0	7	RA			T	29.15	30.11	0.5	16	1.1	25	14	16	12	20		
21	84	56	70	20	54	60	0	5				0.00	29.20	30.14	0.8	19	1.9	18	22	12	20	21		
22	80	56	68	17	57	61	0	3	RA			T	29.19	30.14	0.3	10	1.0	22	18	15	18	22		
23	73	62	68	17	61	63	0	3	RA BR			0.22	29.06	29.98	2.9	19	3.4	23	19	15	18	23		
24	67	52	60	9	52	55	5	0	RA BR			1.61	28.91	29.87	1.4	20	3.1	29	23	18	19	24		
25	74	49	62	11	47	54	3	0	RA FG BR			T	28.94	29.91	0.7	36	2.0	20	34	13	32	25		
26	77	55	66	14	48	56	0	1				0.00	29.08	30.05	4.9	05	5.4	22	03	14	07	26		
27	79	49	64	12	41	51	1	0				0.00	29.21	30.17	0.9	05	3.2			8	27	27		
28	82	55	69	17	51	59	0	4	RA			T	29.11	30.05	3.7	22	4.6	24	22	15	21	28		
29	79	58	69	17	56	61	0	4	RA			0.02	29.01	29.95	1.0	17	2.0	22	15	13	15	29		
30	79	56	68	15	58	60	0	3	RA BR			0.10	28.97	29.91	1.5	20	1.8	26	22	14	22	30		
31	73	56	65	12	58	61	0	0	RA BR			T	28.90	29.85	2.5	19	3.5	13	22	10	19	31		

72.5	48.7	60.6	☼	45.7	52.7	5.5	1.4	< MONTHLY AVERAGES TOTALS >				5.59	29.15	30.12	0.7	21	2.9	< MONTHLY AVERAGES			
11.1	9.4	10.2		-----DEPARTURE FROM NORMAL ----->				0.53	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												

DEGREE DAYS				GREATEST 24-HR PRECIPITATION : 1.61 DATE : 24				SEA LEVEL PRESSURE			
MONTHLY				GREATEST 24-HR SNOWFALL :				DATE 06 TIME 0953			
TOTAL DEPARTURE				GREATEST SNOW DEPTH :				MINIMUM : 29.58 DATE 02 TIME 1753			
SEASON TO DATE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 0			
TOTAL DEPARTURE				THUNDERSTORMS : 0				MINIMUM TEMP <= 32 : 3			
HEATING : 172 -286 2665 -988				MAXIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH : 14			
COOLING : 44 40 44 42				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH : 9			
				HEAVY FOG : 1				SNOWFALL >= 1.0 INCH :			

MARCH 2012
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
MARCH 2012

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	0.06											01												01	0.06	0.06	
02									0.01	T	T		02	0.04	0.03	T			0.03			0.35	0.02		02	0.48	0.48	
03	T	0.01	T	0.01									03												03	0.02	0.02	
04													04												04	0.00	0.00	
05				T	T			T	T				05												05	T	T	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08													08		T	0.02	T	0.02	0.16	0.48	0.25	0.10	0.14	0.08	08	1.25	1.25	
09	0.01												09												09	0.01	0.01	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12													12		T		0.01	T	T			T		12	0.01	0.01		
13													13												13	0.00*	T	
14													14												14	0.00	0.00	
15													15					0.31	0.15	T	0.10	0.10	0.03	15	0.69	0.69		
16	T												16			0.21	0.01			T	T			16	0.22	0.22		
17						T		0.03	0.25	0.09	T	T	17							T				17	0.37	0.37		
18	0.10	0.07	0.26	0.08	0.02								18												18	0.53	0.53	
19													19												19	0.00	0.00	
20													20						T	T					20	T	T	
21													21												21	0.00	0.00	
22													22			T	T								22	T	T	
23				T					0.05	0.01	0.10	0.02	23	0.03		0.01						T		23	0.22	0.22		
24	0.32	0.67	0.07	0.03			T						24		0.07	T		0.02	T		0.09	0.34		24	1.61	1.61		
25		T	T	T									25												25	T	T	
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28										T		28	T	T	
29													29		0.02	T	T								29	0.02	0.02	
30													30		T	0.01	T	T		0.01	T	0.01	0.02	0.05	30	0.10	0.10	
31													31	T	T										31	T	T	

* 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)	0.20	0.31	0.40	0.45	0.57	0.63	0.67	0.91	0.99	1.03	1.04	1.09
Ending Date	15	24	24	24	24	24	24	24	24	24	24	24
Ending Time (Hr/Min)	1851	0126	0127	0134	0141	0158	0208	0141	0201	0221	0247	0312

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 1981-2010

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 2012

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							7.00	10.00	
02							5.00	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							2.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							8.00	10.00	
13							9.00	10.00	
14							9.00	10.00	
15							1.25	10.00	
16							0.50	10.00	
17							0.25	10.00	
18							4.00	10.00	
19							6.00	10.00	
20							10.00	10.00	
21							7.00	10.00	
22							9.00	10.00	
23							1.50	10.00	
24							3.00	10.00	
25							0.50	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
29							7.00	10.00	
30							3.00	10.00	
31							6.00	10.00	
MONTHLY AVGS							6.74	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				
1		8			19				

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2012

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)		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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)		Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL	
			VISIBILITY (MILES)	DRY BULB																							DEW POINT
SUNRISE: 0707 MAR 01 SUNSET: 1832												SUNRISE: 0659 MAR 07 SUNSET: 1837															
01	OVC	095		7.00	-RA	63	60	61	90	9	21	28.87	29.82	01	CLR	NC		10.00		45	27	38	49	0	00	29.49	30.48
04	CLR	NC		10.00		59	45	52	60	5	25	28.92	29.87	04	CLR	NC		10.00		42	27	36	55	0	00	29.49	30.47
07	CLR	NC		10.00		47	41	44	80	0	00	28.97	29.93	07	CLR	NC		10.00		39	28	35	65	0	00	29.50	30.50
10	CLR	NC		10.00		58	32	46	37	3	VR	29.00	29.96	10	CLR	NC		10.00		58	40	49	51	7	VR	29.52	30.50
13	CLR	NC		10.00		66	33	50	29	6	22	28.97	29.91	13	BKN	060		10.00		66	42	54	42	15	18	29.49	30.47
16	CLR	NC		10.00		70	30	51	23	8	21	28.91	29.86	16	CLR	NC		10.00		65	40	52	40	10	18	29.40	30.38
19	CLR	NC		10.00		62	32	48	32	3	18	28.91	29.88	19	CLR	NC		10.00		62	40	51	45	7	21	29.37	30.36
22	CLR	NC		10.00		50	39	45	66	0	00	28.91	29.88	22	CLR	NC		10.00		59	44	51	58	6	20	29.37	30.34
SUNRISE: 0706 MAR 02 SUNSET: 1832												SUNRISE: 0658 MAR 08 SUNSET: 1838															
01	CLR	NC		10.00		44	39	42	83	0	00	28.90	29.87	01	FEW	060		10.00		54	45	49	72	0	00	29.35	30.32
04	OVC	030		10.00		47	39	43	74	0	00	28.88	29.84	04	OVC	070		10.00		52	45	48	77	0	00	29.32	30.29
07	OVC	018		10.00		50	40	45	69	0	00	28.85	29.81	07	SCT	080		10.00		54	46	50	75	0	00	29.31	30.28
10	OVC	024		10.00	-RA	54	42	48	64	0	00	28.80	29.77	10	SCT	060		10.00		63	49	55	60	5	25	29.29	30.26
13	OVC	028		7.00	-RA	65	59	61	81	8	25	28.74	29.71	13	CLR	NC		10.00		66	50	57	57	8	21	29.22	30.19
16	BKN	055		10.00		69	62	65	79	6	21	28.66	29.61	16	OVC	050		10.00		61	55	58	81	0	00	29.13	30.10
19	BKN	110		10.00		67	60	63	78	7	22	28.67	29.61	19	OVC	044		3.00	+RA BR	57	55	56	93	0	00	29.13	30.10
22	OVC	095		5.00	RA BR	61	58	59	90	5	VR	28.68	29.62	22	OVC	075		10.00	-RA	57	52	54	83	17	36	29.22	30.18
SUNRISE: 0705 MAR 03 SUNSET: 1833												SUNRISE: 0657 MAR 09 SUNSET: 1839															
01	OVC	090		10.00		55	46	50	72	6	VR	28.73	29.67	01	OVC	049		10.00		54	51	52	90	0	00	29.24	30.20
04	OVC	070		10.00		48	38	43	68	5	02	28.82	29.78	04	CLR	NC		10.00		46	35	41	66	8	01	29.26	30.24
07	CLR	NC		10.00		43	33	39	68	6	33	28.90	29.87	07	CLR	NC		10.00		41	31	37	68	6	01	29.37	30.36
10	CLR	NC		10.00		46	25	38	44	6	31	28.97	29.93	10	CLR	NC		10.00		43	28	37	56	7	03	29.45	30.44
13	CLR	NC		10.00		55	20	41	25	5	20	28.91	29.88	13	CLR	NC		10.00		53	24	41	32	3	VR	29.42	30.41
16	CLR	NC		10.00		57	14	41	18	6	29	28.84	29.81	16	CLR	NC		10.00		59	20	43	22	6	VR	29.35	30.34
19	CLR	NC		10.00		53	17	39	24	6	28	28.85	29.83	19	CLR	NC		10.00		55	25	42	31	5	33	29.37	30.36
22	CLR	NC		10.00		50	18	38	28	3	29	28.88	29.86	22	CLR	NC		10.00		45	27	38	49	5	04	29.42	30.42
SUNRISE: 0703 MAR 04 SUNSET: 1834												SUNRISE: 0655 MAR 10 SUNSET: 1840															
01	OVC	080		10.00		45	22	36	40	6	36	28.90	29.87	01	CLR	NC		10.00		43	22	35	43	0	00	29.44	30.44
04	CLR	NC		10.00		40	22	33	49	0	00	28.90	29.87	04	CLR	NC		10.00		40	23	34	51	5	08	29.43	30.42
07	CLR	NC		10.00		34	25	31	70	0	00	28.95	29.94	07	CLR	NC		10.00		36	23	31	59	0	00	29.49	30.49
10	OVC	060		10.00		40	23	34	51	5	VR	29.01	30.00	10	CLR	NC		10.00		46	25	38	44	6	VR	29.50	30.50
13	OVC	065		10.00		44	17	34	34	13	27	29.00	29.98	13	CLR	NC		10.00		57	20	42	24	3	VR	29.48	30.47
16	OVC	090		10.00		46	21	36	37	5	22	28.98	29.97	16	CLR	NC		10.00		64	20	46	18	0	00	29.40	30.38
19	SCT	070		10.00		46	18	36	33	3	23	28.99	29.98	19	CLR	NC		10.00		57	25	43	29	0	00	29.38	30.38
22	OVC	080		10.00		46	22	37	39	3	VR	29.01	30.00	22	CLR	NC		10.00		45	32	39	60	0	00	29.42	30.42
SUNRISE: 0702 MAR 05 SUNSET: 1835												SUNRISE: 0654 MAR 11 SUNSET: 1841															
01	OVC	080		10.00		45	23	36	42	5	29	28.94	29.92	01	CLR	NC		10.00		39	33	37	79	0	00	29.42	30.42
04	OVC	065		10.00	-RA	47	35	42	63	9	24	28.92	29.91	04	CLR	NC		10.00		35	31	33	85	0	00	29.43	30.42
07	BKN	060		10.00		41	25	35	53	7	26	29.13	30.12	07	CLR	NC		10.00		33	29	31	85	0	00	29.49	30.49
10	OVC	060		10.00		40	22	33	49	5	31	29.31	30.31	10	CLR	NC		10.00		50	30	41	46	0	00	29.52	30.51
13	BKN	075		10.00		44	19	35	37	3	VR	29.39	30.39	13	CLR	NC		10.00		64	27	47	25	9	18	29.47	30.46
16	CLR	NC		10.00		49	11	36	21	7	VR	29.41	30.40	16	CLR	NC		10.00		67	38	52	35	3	VR	29.36	30.35
19	CLR	NC		10.00		45	11	33	25	3	32	29.46	30.46	19	CLR	NC		10.00		62	41	51	46	0	00	29.33	30.32
22	CLR	NC		10.00		35	21	30	57	0	00	29.49	30.50	22	BKN	050		10.00		54	43	49	67	0	00	29.34	30.33
SUNRISE: 0701 MAR 06 SUNSET: 1836												SUNRISE: 0652 MAR 12 SUNSET: 1841															
01	CLR	NC		10.00		31	23	28	72	0	00	29.50	30.53	01	OVC	055		10.00		59	43	51	56	3	22	29.34	30.30
04	CLR	NC		10.00		29	23	27	78	0	00	29.50	30.53	04	OVC	055		10.00		57	45	51	64	0	00	29.30	30.27
07	CLR	NC		10.00		28	24	27	85	0	00	29.53	30.56	07	OVC	039		10.00		57	47	52	69	0	00	29.29	30.26
10	CLR	NC		10.00		41	24	35	51	0	00	29.56	30.58	10	OVC	035		10.00		61	50	55	67	3	VR	29.32	30.29
13	CLR	NC		10.00		55	21	41	27	0	00	29.50	30.51	13	OVC	031		10.00		64	51	57	63	7	19	29.29	30.26
16	CLR	NC		10.00		64	21	46	19	7	21	29.41	30.41	16	OVC	029		10.00		63	53	57	70	3	29	29.24	30.21
19	CLR	NC		10.00		58	25	44	28	0	00	29.42	30.42	19	OVC	030		10.00		62	54	57	75	5	23	29.22	30.19
22	CLR	NC		10.00		54	21	41	28	3	24	29.49	30.48	22	OVC	024		10.00		61	54	57	78	5	22	29.24	30.21

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2012

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)																
			Observation Time (LST)	Eff Cld Amt Okta		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL													
SUNRISE: 0651						MAR 13						SUNSET: 1842															
01	OVC	022				59	56	57	90	0	00	29.24	30.21	01	CLR	NC				58	54	56	87	0	00	29.20	30.15
04														04	CLR	NC				55	53	54	93	0	00	29.20	30.15
07														07	CLR	NC				53	51	52	93	0	00	29.22	30.18
10														10	CLR	NC				70	57	62	64	0	00	29.25	30.21
13	SCT	028				70	58	63	66	5	VR	29.23	30.19	13	CLR	NC				81	54	65	39	0	00	29.22	30.16
16	FEW	060				76	53	62	45	8	20	29.17	30.11	16	CLR	NC				83	49	63	31	6	17	29.13	30.08
19	CLR	NC				72	53	61	51	0	00	29.16	30.12	19	CLR	NC				75	52	62	45	0	00	29.13	30.08
22	CLR	NC				61	54	57	78	0	00	29.21	30.18	22	CLR	NC				65	55	59	70	0	00	29.15	30.11
SUNRISE: 0650						MAR 14						SUNSET: 1843															
01	CLR	NC				54	51	52	90	0	00	29.23	30.19	01	CLR	NC				60	54	57	81	0	00	29.14	30.08
04	CLR	NC				51	49	50	93	0	00	29.22	30.18	04	CLR	NC				57	53	55	87	0	00	29.14	30.09
07	CLR	NC				49	47	48	93	0	00	29.27	30.24	07	CLR	NC				57	53	55	87	0	00	29.18	30.14
10	CLR	NC				68	55	60	63	3	21	29.31	30.26	10	CLR	NC				72	55	62	55	0	00	29.22	30.17
13	CLR	NC				79	52	63	39	3	VR	29.27	30.22	13	CLR	NC				83	54	65	37	3	24	29.18	30.12
16	CLR	NC				80	50	62	35	7	15	29.21	30.16	16	FEW	070				86	52	65	31	0	00	29.10	30.03
19	CLR	NC				74	49	60	41	3	18	29.21	30.17	19	CLR	NC				69	61	64	76	0	00	29.12	30.07
22	CLR	NC				61	51	56	70	0	00	29.25	30.21	22	OVC	100				66	61	63	84	0	00	29.17	30.12
SUNRISE: 0648						MAR 15						SUNSET: 1844															
01	CLR	NC				57	50	53	78	0	00	29.26	30.21	01	CLR	NC				61	58	59	90	0	00	29.19	30.13
04	CLR	NC				54	49	51	83	0	00	29.26	30.21	04	CLR	NC				58	56	57	93	0	00	29.19	30.13
07	CLR	NC				52	49	50	90	0	00	29.30	30.26	07	CLR	NC				56	54	55	93	0	00	29.23	30.19
10	CLR	NC				70	56	62	61	0	00	29.32	30.28	10	CLR	NC				71	56	62	59	0	00	29.26	30.21
13	CLR	NC				78	56	65	47	3	VR	29.26	30.21	13	CLR	NC				80	54	64	41	7	VR	29.21	30.15
16	CLR	NC				81	51	63	35	0	00	29.18	30.13	16	FEW	080				83	52	64	34	6	22	29.14	30.08
19	OVC	070				66	58	61	76	7	30	29.23	30.20	19	CLR	NC				77	50	61	39	3	22	29.17	30.12
22	OVC	080				5.00	RA	RA	BR	61	58	59	90	5	15	29.32	30.27	22	CLR	NC						29.20	30.14
SUNRISE: 0647						MAR 16						SUNSET: 1845															
01	OVC	014				60	58	59	93	3	VR	29.28	30.23	01	CLR	NC				61	54	57	78	0	00	29.21	30.16
04	CLR	NC				57	55	56	93	0	00	29.20	30.15	04	CLR	NC				58	53	55	84	0	00	29.19	30.13
07	VV	001				53	53	53	100	0	00	29.24	30.21	07	CLR	NC				56	53	54	90	0	00	29.20	30.16
10	CLR	NC				65	57	60	75	6	25	29.27	30.24	10	CLR	NC				73	56	63	55	0	00	29.24	30.18
13	CLR	NC				75	57	64	54	3	VR	29.24	30.19	13	BKN	110				79	55	64	44	0	00	29.21	30.15
16	OVC	095				75	56	64	52	5	26	29.18	30.13	16	OVC	080				76	58	65	54	7	VR	29.15	30.10
19	CLR	NC				61	58	59	90	0	00	29.20	30.18	19	CLR	NC				67	63	65	87	0	00	29.15	30.11
22	BKN	110				60	58	59	93	0	00	29.24	30.20	22	CLR	NC				65	62	63	90	0	00	29.16	30.11
SUNRISE: 0645						MAR 17						SUNSET: 1846															
01	VV	001				57	56	56	96	0	00	29.23	30.18	01	OVC	110				63	62	62	97	0	00	29.14	30.09
04	VV	001				56	55	55	96	0	00	29.22	30.18	04	OVC	095				62	61	61	97	0	00	29.12	30.06
07	OVC	002				55	54	54	96	0	00	29.27	30.24	07	OVC	090				62	60	61	93	0	00	29.10	30.06
10	OVC	095				59	58	58	97	5	20	29.31	30.28	10	OVC	055				65	63	64	93	0	00	29.10	30.06
13	OVC	010				66	61	63	84	0	00	29.27	30.23	13	BKN	090				71	66	68	84	3	VR	29.05	29.99
16	CLR	NC				74	58	64	58	5	VR	29.20	30.16	16	BKN	110				71	61	65	71	9	18	28.98	29.92
19	CLR	NC				70	59	63	68	0	00	29.20	30.16	19	CLR	NC				70	60	64	71	7	20	28.95	29.90
22	FEW	090				65	60	62	84	0	00	29.22	30.19	22	BKN	028				66	57	61	73	3	VR	28.95	29.89
SUNRISE: 0644						MAR 18						SUNSET: 1847															
01	OVC	110				63	60	61	90	0	00	29.23	30.18	01	OVC	095				60	54	57	81	6	18	28.92	29.86
04	OVC	095				60	58	59	93	3	10	29.24	30.19	04	OVC	085				57	54	55	90	0	00	28.92	29.87
07	OVC	100				60	58	59	93	0	00	29.30	30.26	07	BKN	120				57	55	56	93	0	00	28.95	29.90
10	OVC	010				66	60	62	81	5	02	29.34	30.29	10	BKN	085				63	52	57	68	3	21	28.95	29.90
13	CLR	NC				75	59	65	58	5	VR	29.27	30.22	13	OVC	100				65	47	55	52	8	24	28.88	29.83
16	CLR	NC				80	55	65	42	3	VR	29.19	30.14	16	SCT	060				64	50	56	61	0	00	28.86	29.81
19	CLR	NC				76	52	62	43	3	18	29.16	30.11	19	OVC	095				57	49	53	75	0	00	28.90	29.86
22	CLR	NC				63	55	58	75	0	00	29.20	30.15	22	OVC	065				53	51	52	93	0	00	28.92	29.88

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2012

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
SUNRISE: 0634					MAR 25		SUNSET: 1853						
01	BKN	075			FG	51	49	50	93	0	00	28.93	29.89
04	OVC	100				51	50	50	96	0	00	28.91	29.87
07	CLR	NC				49	47	48	93	0	00	28.94	29.91
10	CLR	NC				61	46	53	58	0	00	28.96	29.93
13	BKN	060				70	46	57	42	5	09	28.94	29.89
16	OVC	065				72	45	57	38	3	01	28.93	29.88
19	FEW	065				70	45	56	41	5	30	28.96	29.91
22	CLR	NC				65	48	56	54	5	36	29.01	29.96
SUNRISE: 0632					MAR 26		SUNSET: 1854						
01	SCT	043				58	51	54	78	0	00	29.03	29.98
04	FEW	044				60	51	55	72	0	00	29.05	29.99
07	CLR	NC				55	50	52	83	0	00	29.09	30.04
10	CLR	NC				67	49	57	53	8	06	29.14	30.09
13	CLR	NC				74	49	60	41	9	08	29.12	30.06
16	CLR	NC				76	45	59	33	7	06	29.07	30.01
19	CLR	NC				68	49	57	51	6	01	29.10	30.06
22	CLR	NC				61	44	52	54	8	01	29.18	30.14
SUNRISE: 0631					MAR 27		SUNSET: 1854						
01	CLR	NC				56	38	47	51	5	06	29.20	30.16
04	CLR	NC				51	36	44	57	3	05	29.21	30.17
07	CLR	NC				50	34	43	54	5	05	29.25	30.22
10	CLR	NC				58	35	47	42	0	00	29.29	30.25
13	CLR	NC				71	41	55	34	0	00	29.22	30.19
16	CLR	NC				78	44	59	30	6	VR	29.17	30.12
19	CLR	NC				73	46	58	38	0	00	29.15	30.11
22	CLR	NC				61	50	55	67	0	00	29.18	30.14
SUNRISE: 0629					MAR 28		SUNSET: 1855						
01	CLR	NC				57	49	53	75	0	00	29.17	30.14
04	CLR	NC				58	47	52	67	3	VR	29.14	30.10
07	CLR	NC				57	48	52	72	3	22	29.18	30.14
10	CLR	NC				65	52	58	63	7	25	29.18	30.14
13	CLR	NC				78	55	64	45	6	VR	29.10	30.04
16	BKN	070				80	52	63	38	8	23	29.02	29.96
19	SCT	090				77	52	62	42	5	24	29.00	29.95
22	BKN	100				72	54	61	53	3	VR	29.04	29.98
SUNRISE: 0628					MAR 29		SUNSET: 1856						
01	CLR	NC				65	56	60	73	3	21	29.03	29.96
04	CLR	NC				62	53	57	73	0	00	29.02	29.96
07	CLR	NC				58	53	55	84	0	00	29.04	29.98
10	CLR	NC				72	55	62	55	3	VR	29.06	30.00
13	OVC	100				78	54	64	44	3	VR	29.02	29.96
16	BKN	110				75	58	65	56	8	15	28.97	29.91
19	BKN	080				73	55	62	53	0	00	28.97	29.91
22	BKN	080				66	59	62	78	0	00	29.01	29.95
SUNRISE: 0627					MAR 30		SUNSET: 1857						
01	CLR	NC				59	57	58	93	0	00	28.99	29.93
04	SCT	075			BR	57	55	56	93	0	00	28.98	29.92
07	SCT	060			BR	57	54	55	90	0	00	29.02	29.97
10	CLR	NC				70	58	63	66	0	00	29.01	29.95
13	SCT	050				75	58	65	56	7	22	28.95	29.89
16	BKN	100				65	59	61	81	5	18	28.93	29.89
19	OVC	100			-RA	65	60	62	84	0	00	28.92	29.87
22	OVC	055			-RA	63	61	62	93	0	00	28.94	29.88

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						
														MAR 31 <th colspan="2">MAR 31 </th>		MAR 31			
SUNRISE: 0625					MAR 31		SUNSET: 1858												
01	OVC	008						9.00				63	61	62	93	0	00	28.91	29.85
04	SCT	035						9.00				61	60	60	97	6	20	28.87	29.82
07	SCT	006			BR			6.00				60	58	59	93	3	24	28.92	29.87
10	FEW	014						10.00				67	59	62	76	5	VR	28.94	29.89
13	SCT	043						10.00				72	56	62	57	5	VR	28.91	29.85
16	BKN	050						10.00				70	59	63	68	5	09	28.87	29.81
19	CLR	NC						10.00				68	59	63	73	0	00	28.88	29.83
22	CLR	NC						8.00				59	56	57	90	0	00	28.92	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

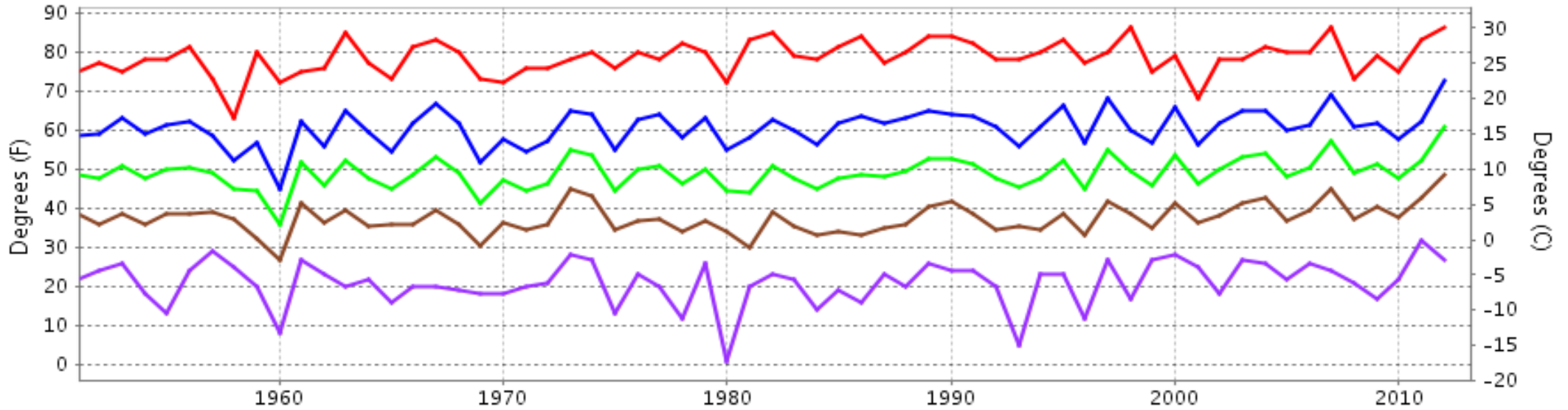
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.

& = 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			55	47	51	77	29.15	30.11	8.86	1	2	21
02			54	46	50	77	29.15	30.11	9.04	1	2	20
03			53	46	49	79	29.15	30.11	9.14	2	1	16
04			52	45	49	78	29.14	30.10	9.04	2	1	19
05			52	44	48	78	29.15	30.11	9.01	2	3	24
06			51	44	47	80	29.17	30.13	9.12	1	2	22
07			50	44	47	81	29.18	30.15	8.68	1	2	22
08			52	45	49	78	29.20	30.17	9.50	2	1	15
09			56	46	51	70	29.21	30.18	9.49	2	3	13
10			60	46	53	60	29.21	30.18	9.90	3	2	23
11			63	46	54	54	29.21	30.17	9.69	4	2	25
12			66	46	56	50	29.19	30.16	10.00	5	1	20
13			68	46	56	46	29.18	30.13	9.90	5	2	25
14			69	46	57	47	29.15	30.11	9.94	6	3	25
15			70	45	57	45	29.12	30.08	9.90	5	1	23
16			70	45	57	44	29.11	30.07	10.00	5	1	24
17			70	45	57	45	29.11	30.07	9.68	6	1	25
18			68	45	56	47	29.11	30.07	9.97	5	1	24
19			65	46	55	54	29.12	30.08	9.49	3	3	25
20			62	47	55	62	29.13	30.10	9.35	2	1	20
21			60	48	54	67	29.14	30.11	9.68	2	1	21
22			59	48	53	70	29.15	30.12	9.58	2	1	20
23			57	48	53	73	29.15	30.12	9.26	2	2	22
24			56	47	52	75	29.15	30.11	9.44	2	1	19

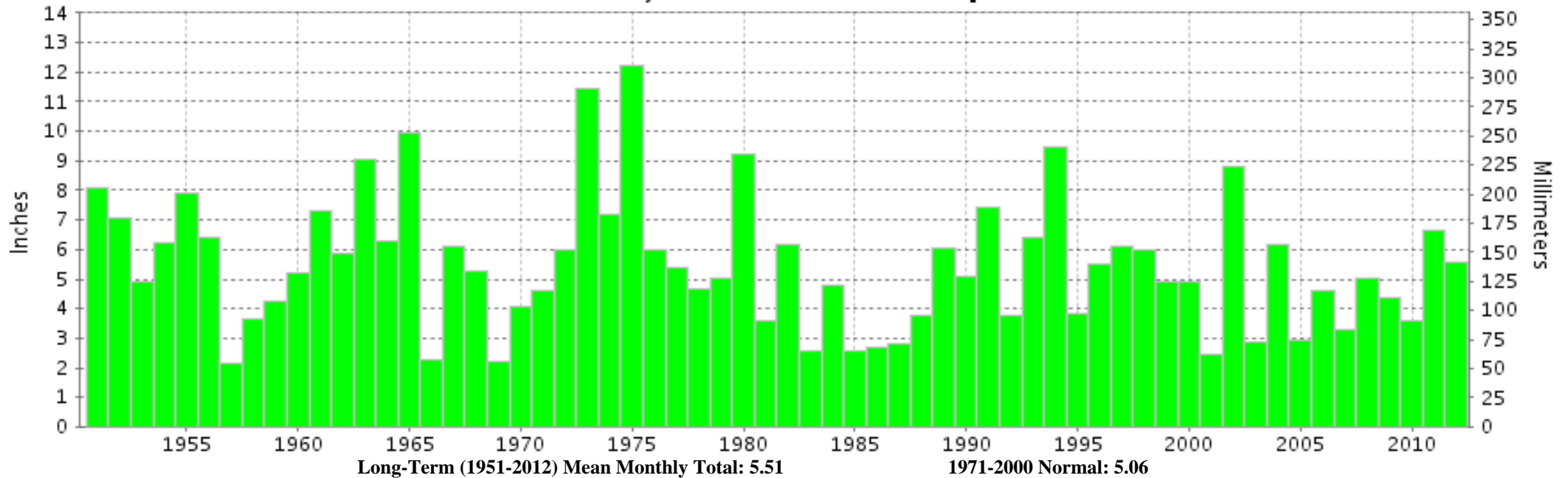
OAK RIDGE, TN MARCH Temperatures



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

Long-Term (1951-2012) Mean: 49.0
1971-2000 Normal: 50.4

OAK RIDGE, TN MARCH Precipitation



Long-Term (1951-2012) Mean Monthly Total: 5.51

1971-2000 Normal: 5.06



**MARCH 2012
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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We welcome your questions or comments, please contact us at:
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Asheville, NC 28801-5001