



MARCH 2005

LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

OAK RIDGE, TN

OAK RIDGE (OQT)
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 913 Feet
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

MARCH 2005
OAK RIDGE, TN

DATE	TEMPERATURE °F						DEG DAYS BASE 65°		WEATHER	SNOW/ICE ON GND(IN)		PRECIPITATION (INCHES)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES						DATE			
	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING		0700 LST	1300 LST	2400 LST	2400 LST	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	MAXIMUM						
																			5-SEC		2-MIN				
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	34	27	31*	-13	19	27	34	0	SN FG+ FZFG BR				0.01	28.93	29.94	6.3	27	9.0	26	29	18	28	01		
02	44	22*	33	-12	16	27	32	0	SN				T	29.14	30.16	2.9	28	4.2	20	26	14	29	02		
03	53	23	38	-7	21	31	27	0					0.00	29.14	30.15	0.4	25	1.5	14	35	10	30	03		
04	60	25	43	-2	28	37	22	0	RA				T	29.05	30.05	2.7	23	4.0	22	21	16	26	04		
05	60	45	53	7	34	43	12	0	RA				T	29.04	30.01	4.5	29	6.6	28	27	21	27	05		
06	61	31	46	0	30	40	19	0	BR HZ				0.00	29.14	30.13	1.9	22	3.5	17	18	14	19	06		
07	62	35	49	3	38	44	16	0	RA BR				0.18	28.78	29.76	3.3	22	5.2	26	21	21	21	07		
08	52	31	42	-5	26	34	23	0	RA SN BR				0.21	28.80	29.79	3.6	32	6.1	21	29	15	30	08		
09	46	23	35	-12	21	31	30	0					0.00	28.99	30.00	1.4	24	2.9	13	21	10	20	09		
10	51	28	40	-7	23	34	25	0					0.00	28.88	29.88	3.5	23	4.6	23	21	15	20	10		
11	49	35	42	-5	28	36	23	0	RA				T	28.77	29.75	4.8	26	6.7	29	27	18	28	11		
12	70	35	53	5	28	42	12	0					0.00	28.65	29.63	5.1	25	7.1	29*	25	21*	26	12		
13	72	41	57	9	35	45	8	0	RA				0.13	28.78	29.74	3.1	03	5.0	18	06	14	04	13		
14	54	36	45	-3	29	38	20	0					0.00	29.04	30.03	4.6	05	6.0	17	06	14	05	14		
15	51	30	41	-8	23	35	24	0	RA				T	29.20	30.21	1.8	04	2.5	16	01	12	01	15		
16	42	37	40	-9	34	37	25	0	RA BR				0.10	29.03	30.03	8.3	04	8.6	21	05	16	05	16		
17	46	32	39	-10	34	36	26	0	RA SN BR				0.23	29.00	30.00	5.7	05	6.4	16	06	13	05	17		
18	57	28	43	-6	30	36	22	0	FG+ FZFG BR				0.00	29.07	30.08	0.4	19	1.1	15	18	9	16	18		
19	58	32	45	-5	35	41	20	0					0.00	29.08	30.07	3.7	21	4.5	24	20	18	20	19		
20	64	41	53	3	32	43	12	0	BR				0.00	29.10	30.08	2.1	26	3.3	15	22	12	25	20		
21	68	39	54	4	30	43	11	0					0.00	29.07	30.05	3.1	05	3.8	13	04	12	05	21		
22	68	47	58	7	38	47	7	0	RA BR				0.09	28.95	29.92	3.9	06	5.0	16	05	13	06	22		
23	64	49	57	6	47	51	8	0	RA BR				0.20	28.80	29.76	5.1	25	6.6	25	29	18	29	23		
24	57	43	50	-1	40	45	15	0					0.00	29.05	30.03	1.2	03	3.1	14	27	10	26	24		
25	75	42	59	8	43	50	6	0	RA				T	28.95	29.92	0.3	22	2.9	15	26	12	21	25		
26	77	45	61	9	44	52	4	0					0.00	28.96	29.92	0.6	11	2.9	16	19	13	20	26		
27	75	57	66*	14	52	57	0	1	RA BR				0.67	28.72	29.66	1.6	12	6.7	25	15	18	17	27		
28	57	45	51	-1	44	46	14	0	RA BR				0.76	28.60	29.56	6.5	23	7.7	24	27	15	27	28		
29	71	37	54	2	40	47	11	0	FG+ BR				0.00	28.95	29.93	0.1	07	.8	9	09	7	15	29		
30	80*	43	62	9	39	51	3	0					0.00	28.94	29.90	3.4	21	4.6	23	20	17	19	30		
31	72	53	63	10	55	58	2	0	RA BR				0.38	28.99	29.94	1.4	23	2.9	17	23	13	21	31		
MONTHLY AVERAGES										TOTALS-->				<- MONTHLY AVERAGES											
DEPARTURE FROM NORMAL														SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3											
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.43 DATE: 27-28				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.29 15 0853							
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				MINIMUM				: 29.38 08 0153							
HEATING: 513 3 2984 -669										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 12				PRECIPITATION ≥ 0.01 INCH: 11			
COOLING: 1 -1 1 -1										MAXIMUM TEMP ≤ 32: 0				MINIMUM TEMP ≤ 0: 0				PRECIPITATION ≥ 0.10 INCH: 9							
										THUNDERSTORMS: 0				HEAVY FOG: 3				SNOWFALL ≥ 1.0 INCH: :							

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN

MARCH 2005

OQT

WBAN # 53868

DATE	FOR HOUR (LST) ENDING AT												DATE	FOR HOUR (LST) ENDING AT												DATE	Sum if Different (See Note)	2400 LST	
	1	2	3	4	5	6	7	8	9	10	11	12		13	14	15	16	17	18	19	20	21	22	23	24			Water	Equiv.
01						T	T	T	0.01	T	T	T	01		T			T	T	T					01		0.01		
02	T	T											02												02		T		
03													03												03		0.00		
04													04						T						04		T		
05		T	T										05												05		T		
06													06												06		0.00		
07													07			T	0.05	T	0.01	0.04	0.01	T	0.02	T	0.05	07	0.18		
08	0.13	0.02	0.03	0.03		T	T	T	T	T			08												08		0.21		
09													09												09		0.00		
10													10												10		0.00		
11												T	11	T	T	T	T								11		T		
12													12												12		0.00		
13													13												13		0.13		
14													14								T	0.09	0.03	0.01	14		0.00		
15													15									T	T		15		T		
16													16	0.04	T	T	T								16		0.10		
17	T	0.03	0.02	0.05	0.05	0.02	T	0.01	T	0.02	0.02	0.01	17	T	0.01	T								17		0.23			
18													18												18		0.00		
19													19												19		0.00		
20													20												20		0.00		
21													21												21		0.00		
22													22				0.04	0.05							22		0.09		
23		T	0.04	0.13	0.03								23	T				T	T						23		0.20		
24													24												24		0.00		
25													25												25		T		
26													26												26		0.00		
27													27						0.11	0.18	0.17	0.16	T	0.03	0.02	27	0.67		
28													28												28		0.76		
29	0.07	0.50	0.16	0.03									29												29		0.00		
30													30												30		0.00		
31			0.09	0.02	0.12	0.07	T	0.03	0.05	T	T		31												31		0.38		

MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

Date and time are not entered for TRACE amounts.

Note : The sum of the hourly totals is given when it differs from the daily total. 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.

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		
	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	SQ Squalls
PR Partial	RA Rain	PY Spray	SS Sandstorm
SH Shower(s)	SG Snow Grains	SA Sand	GL Glaze
TS Thunderstorm	SN Snow	VA Volcanic Ash	
VC In the Vicinity	UP Unknown Precipitation		

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

OAK RIDGE, TN MARCH 2005

Ceilorometer (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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							.25	10.00	
02							9.00	10.00	
03							10.00	10.00	
04							9.00	10.00	
05							10.00	10.00	
06							4.00	10.00	
07							2.50	10.00	
08							1.50	10.00	
09							9.00	10.00	
10							8.00	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							7.00	10.00	
14							9.00	10.00	
15							10.00	10.00	
16							2.00	10.00	
17							3.00	10.00	
18							<.25	10.00	
19							10.00	10.00	
20							5.00	10.00	
21							7.00	10.00	
22							2.50	10.00	
23							1.50	10.00	
24							8.00	10.00	
25							7.00	10.00	
26							7.00	10.00	
27							1.25	10.00	
28							1.00	10.00	
29							<.25	10.00	
30							10.00	10.00	
31							1.75	10.00	
MONTHLY AVGS							5.95	10.00	
SUNSHINE (MINUTES)									
Total: Possible: Percent Possible:									
NUMBER OF DAYS WITH:									
SKY CONDITION									
CLR PTLY CLDY CLOUDY MISSING 31									
MINIMUM VISIBILITY (MILES)									
<=0.25 <=3.0 >=7.0 2 9 17									

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2005

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)						
	SKY COVER	CEILING 100'S OF FT		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	
SUNRISE: 0707				MAR 01				SUNSET: 1832				SUNRISE: 0659				MAR 07				SUNSET: 1837								
01	OVC	060			10.00	31	22	28	69	7	VR	28.84	29.84	01	CLR	NC			10.00	43	30	38	60	3	24	29.01	29.99	
04	SCT	NC			10.00	29	20	26	69	6	VR	28.81	29.81	04	CLR	NC			10.00	38	29	34	70	3	VR	28.97	29.95	
07	OVC	050			7.00	29	23	27	78	8	24	28.82	29.82	07	CLR	NC			10.00	35	29	33	78	0	00	28.94	29.93	
10	FEW	NC			10.00	30	17	26	59	17	26	28.88	29.89	10	BKN	100			10.00	48	31	41	52	3	VR	28.91	29.88	
13	OVC	046			10.00	32	14	26	47	9	27	28.93	29.95	13	SCT	NC			10.00	59	37	48	44	7	VR	28.78	29.76	
16	OVC	050			10.00	33	14	27	45	15	29	28.96	29.98	16	OVC	034			5.00	-RA	53	46	49	77	10	20	28.71	29.69
19	SCT	NC			10.00	30	19	26	64	8	27	29.02	30.04	19	OVC	010			3.00	-RA BR	51	49	50	92	5	VR	28.63	29.60
22	OVC	042			10.00	30	19	26	64	10	24	29.08	30.11	22	OVC	008			7.00	-RA	52	50	51	93	6	VR	28.52	29.48
SUNRISE: 0705				MAR 02				SUNSET: 1833				SUNRISE: 0657				MAR 08				SUNSET: 1838								
01	OVC	050			9.00	29	18	25	64	6	24	29.11	30.14	01	OVC	060			4.00	RA BR	52	50	51	93	0	00	28.43	29.38
04	OVC	041			10.00	28	15	24	58	7	29	29.12	30.15	04	OVC	030			10.00	44	35	40	71	5	VR	28.49	29.46	
07	CLR	NC			10.00	24	15	21	68	0	00	29.15	30.19	07	OVC	030			10.00	-RA	37	31	35	79	10	35	28.67	29.65
10	CLR	NC			10.00	30	13	25	49	6	30	29.19	30.22	10	OVC	038			10.00		35	23	31	61	6	VR	28.81	29.80
13	CLR	NC			10.00	38	14	30	37	12	27	29.17	30.19	13	BKN	048			10.00		38	23	32	55	9	29	28.88	29.86
16	CLR	NC			10.00	42	12	32	29	5	VR	29.11	30.13	16	OVC	055			10.00		40	18	32	41	12	32	28.92	29.91
19	CLR	NC			10.00	40	13	31	33	5	27	29.10	30.13	19	OVC	055			10.00		37	20	31	50	6	VR	28.99	30.00
22	CLR	NC			10.00	31	20	27	64	0	00	29.13	30.16	22	FEW	NC			10.00		35	19	29	52	7	29	29.03	30.04
SUNRISE: 0704				MAR 03				SUNSET: 1834				SUNRISE: 0656				MAR 09				SUNSET: 1839								
01	BKN	110			10.00	30	18	26	61	0	00	29.14	30.16	01	CLR	NC			10.00		31	17	26	56	3	02	29.04	30.05
04	CLR	NC			10.00	26	20	24	78	0	00	29.15	30.17	04	CLR	NC			10.00		26	20	24	78	5	23	29.07	30.08
07	CLR	NC			10.00	24	21	23	88	0	00	29.17	30.20	07	CLR	NC			9.00		24	20	23	84	0	00	29.07	30.08
10	CLR	NC			10.00	37	22	32	54	5	VR	29.19	30.21	10	CLR	NC			10.00		35	20	30	54	0	00	29.06	30.07
13	CLR	NC			10.00	48	19	37	32	8	16	29.14	30.15	13	CLR	NC			10.00		42	20	34	41	0	00	29.00	30.00
16	CLR	NC			10.00	51	18	38	27	6	27	29.08	30.09	16	OVC	060			10.00		45	21	36	39	6	21	28.89	29.90
19	CLR	NC			10.00	48	19	37	32	0	00	29.09	30.10	19	OVC	060			10.00		44	23	36	43	6	25	28.90	29.91
22	CLR	NC			10.00	35	25	31	67	0	00	29.12	30.14	22	OVC	070			10.00		42	23	35	47	9	27	28.94	29.94
SUNRISE: 0703				MAR 04				SUNSET: 1835				SUNRISE: 0654				MAR 10				SUNSET: 1840								
01	CLR	NC			10.00	30	24	28	79	0	00	29.10	30.11	01	OVC	075			10.00		39	25	34	57	0	00	28.93	29.93
04	CLR	NC			10.00	27	22	25	81	0	00	29.08	30.09	04	CLR	NC			10.00		31	25	29	79	0	00	28.92	29.93
07	CLR	NC			10.00	25	22	24	88	0	00	29.10	30.11	07	CLR	NC			8.00		28	24	27	85	0	00	28.96	29.96
10	CLR	NC			10.00	40	27	35	60	5	VR	29.12	30.14	10	CLR	NC			10.00		38	20	31	48	0	00	28.96	29.96
13	SCT	NC			10.00	53	30	43	41	7	VR	29.08	30.08	13	FEW	NC			10.00		45	14	34	29	8	23	28.90	29.89
16	BKN	075			10.00	59	31	46	35	8	24	29.00	29.99	16	BKN	090			10.00		50	19	38	29	10	23	28.80	29.79
19	OVC	090			10.00	57	34	46	42	8	23	28.98	29.97	19	OVC	055			10.00		49	23	38	36	7	VR	28.77	29.77
22	OVC	060			10.00	54	34	45	47	3	VR	28.98	29.97	22	OVC	060			10.00		48	27	39	44	7	VR	28.83	29.82
SUNRISE: 0701				MAR 05				SUNSET: 1836				SUNRISE: 0653				MAR 11				SUNSET: 1841								
01	BKN	070			10.00	52	34	44	50	7	VR	28.96	29.93	01	OVC	050			10.00		44	29	38	55	5	21	28.81	29.80
04	OVC	032			10.00	49	42	46	77	5	22	28.92	29.88	04	OVC	090			10.00		43	30	38	60	6	VR	28.75	29.74
07	BKN	080			10.00	48	42	45	80	6	VR	28.95	29.92	07	OVC	039			10.00		41	31	37	67	0	00	28.72	29.71
10	CLR	NC			10.00	55	38	47	53	10	26	28.97	29.93	10	SCT	NC			10.00		48	34	42	58	9	22	28.71	29.68
13	CLR	NC			10.00	59	25	44	27	10	28	28.98	29.94	13	OVC	070			10.00		47	23	37	39	14	27	28.71	29.69
16	OVC	055			10.00	53	30	43	41	8	33	29.07	30.05	16	OVC	027			10.00		39	28	35	65	12	27	28.78	29.77
19	OVC	047			10.00	48	29	40	48	7	34	29.16	30.15	19	OVC	060			10.00		38	24	33	57	6	VR	28.82	29.81
22	OVC	055			10.00	46	32	40	58	0	00	29.20	30.18	22	BKN	080			10.00		35	23	31	61	3	21	28.84	29.83
SUNRISE: 0700				MAR 06				SUNSET: 1837				SUNRISE: 0652				MAR 12				SUNSET: 1842								
01	BKN	041			10.00	44	33	39	65	0	00	29.19	30.17	01	OVC	050			10.00		36	25	32	64	3	VR	28.75	29.75
04	CLR	NC			7.00	38	32	36	79	0	00	29.20	30.19	04	OVC	095			10.00		35	23	31	61	5	26	28.64	29.63
07	CLR	NC			5.00	32	29	31	88	0	00	29.20	30.21	07	OVC	110			10.00		37	24	32	60	6	VR	28.65	29.64
10	CLR	NC			10.00	46	30	39	54	0	00	29.24	30.24	10	CLR	NC			10.00		50	28	41	43	8	21	28.65	29.63
13	CLR	NC			10.00	54	28	43	37	6	VR	29.17	30.16	13	CLR	NC			10.00		66	30	49	26	10	28	28.67	29.63
16	CLR	NC			10.00	60	28	46	30	12	20	29.08	30.07	16	FEW	NC			10.00		69	32	51	25	8	24	28.62	29.58
19	CLR	NC			10.00	55	28	43	36	0	00	29.05	30.04	19	CLR	NC			10.00		68	30	50	24	9	23	28.63	29.58
22	CLR	NC			10.00	50	29	41	44	3	24	29.06	30.04	22	CLR	NC			10.00		60	32	47	35	3	VR	28.67	29.62

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MARCH 2005

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT		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
SUNRISE: 0650				MAR 13				SUNSET: 1843				SUNRISE: 0642				MAR 19				SUNSET: 1848							
01	CLR	NC		10.00		55	34	45	45	0	00	28.68	29.62	01	CLR	NC		10.00		36	32	34	86	0	00	29.08	30.07
04	CLR	NC		10.00		47	35	42	63	0	00	28.70	29.65	04	CLR	NC		10.00		34	30	32	85	0	00	29.07	30.06
07	CLR	NC		10.00		44	33	39	65	0	00	28.76	29.73	07	SCT	NC		10.00		35	30	33	82	0	00	29.09	30.09
10	CLR	NC		10.00		58	36	47	44	0	00	28.79	29.74	10	SCT	NC		10.00		46	33	40	61	5	22	29.12	30.12
13	CLR	NC		10.00		68	38	53	33	9	30	28.76	29.72	13	BKN	055		10.00		53	37	46	55	6	VR	29.09	30.09
16	OVC	070		10.00		68	38	53	33	6	30	28.73	29.69	16	OVC	085		10.00		56	36	47	47	13	21	29.04	30.03
19	OVC	060		10.00		53	33	44	47	10	05	28.82	29.79	19	FEW	NC		10.00		54	37	46	53	8	21	29.04	30.03
22	OVC	044		10.00		43	36	40	76	10	05	28.89	29.86	22	OVC	042		10.00		51	39	45	64	0	00	29.07	30.05
SUNRISE: 0649				MAR 14				SUNSET: 1844				SUNRISE: 0640				MAR 20				SUNSET: 1849							
01	OVC	043		9.00		41	37	39	86	7	03	28.91	29.88	01	BKN	043		10.00		48	39	44	71	3	28	29.08	30.06
04	OVC	070		10.00		41	33	38	74	5	05	28.95	29.92	04	FEW	NC		10.00		46	40	43	79	3	26	29.08	30.07
07	CLR	NC		10.00		36	29	33	76	5	01	28.99	29.98	07	CLR	NC		5.00	BR	41	38	40	89	0	00	29.12	30.11
10	CLR	NC		10.00		42	32	38	68	10	06	29.06	30.05	10	CLR	NC		9.00		52	37	45	57	0	00	29.15	30.13
13	CLR	NC		10.00		48	33	41	56	7	VR	29.07	30.05	13	CLR	NC		10.00		59	31	46	35	6	25	29.11	30.09
16	BKN	050		10.00		53	33	44	47	7	05	29.04	30.03	16	CLR	NC		10.00		63	22	45	21	8	26	29.07	30.03
19	CLR	NC		10.00		50	22	39	33	5	36	29.08	30.08	19	CLR	NC		10.00		60	21	44	22	3	32	29.06	30.04
22	CLR	NC		10.00		42	20	34	41	3	03	29.14	30.15	22	CLR	NC		10.00		46	27	38	47	0	00	29.09	30.08
SUNRISE: 0647				MAR 15				SUNSET: 1845				SUNRISE: 0639				MAR 21				SUNSET: 1850							
01	CLR	NC		10.00		34	25	31	70	0	00	29.18	30.19	01	CLR	NC		10.00		44	31	39	60	0	00	29.08	30.07
04	CLR	NC		10.00		31	24	28	76	0	00	29.17	30.18	04	CLR	NC		10.00		42	32	38	68	3	04	29.08	30.06
07	CLR	NC		10.00		31	24	28	76	0	00	29.24	30.25	07	CLR	NC		8.00		39	32	36	76	0	00	29.11	30.10
10	CLR	NC		10.00		45	23	36	42	8	06	29.26	30.26	10	CLR	NC		10.00		52	32	43	47	7	05	29.12	30.11
13	SCT	NC		10.00		48	20	37	33	6	04	29.21	30.22	13	CLR	NC		10.00		62	28	47	28	0	00	29.07	30.04
16	OVC	075		10.00		50	18	38	28	0	00	29.16	30.16	16	CLR	NC		10.00		67	29	49	24	3	VR	29.01	29.97
19	OVC	065		10.00		50	19	38	29	0	00	29.17	30.17	19	CLR	NC		10.00		61	28	46	29	3	05	29.02	30.00
22	OVC	050		10.00		45	29	38	54	5	36	29.20	30.20	22	CLR	NC		10.00		55	27	43	34	7	05	29.06	30.03
SUNRISE: 0646				MAR 16				SUNSET: 1845				SUNRISE: 0637				MAR 22				SUNSET: 1851							
01	OVC	043		10.00		41	30	37	65	8	03	29.16	30.16	01	CLR	NC		10.00		51	28	41	41	6	05	29.06	30.03
04	OVC	042		9.00		38	35	37	89	12	04	29.06	30.05	04	CLR	NC		10.00		48	26	39	42	5	02	29.03	30.00
07	OVC	042		10.00		37	34	36	89	9	04	29.06	30.05	07	OVC	065		10.00		49	27	40	43	6	05	29.04	30.01
10	OVC	048		7.00		38	35	37	89	9	04	29.05	30.05	10	CLR	NC		10.00		54	29	43	38	10	05	29.04	30.00
13	OVC	016		4.00	-RA BR	38	36	37	93	8	04	29.02	30.02	13	FEW	NC		10.00		66	37	52	34	7	VR	28.95	29.91
16	OVC	014		10.00		39	36	38	89	9	05	28.98	29.98	16	OVC	050		4.00	-RA	60	52	56	75	5	16	28.92	29.89
19	OVC	018		10.00		39	34	37	82	7	VR	28.99	29.99	19	OVC	065		7.00		55	52	53	90	6	04	28.85	29.82
22	OVC	023		10.00		40	33	37	77	6	04	28.97	29.97	22	BKN	047		6.00	BR	52	50	51	93	0	00	28.83	29.80
SUNRISE: 0645				MAR 17				SUNSET: 1846				SUNRISE: 0636				MAR 23				SUNSET: 1851							
01	OVC	023		10.00		38	33	36	83	9	04	28.93	29.93	01	OVC	031		6.00	BR	52	50	51	93	0	00	28.80	29.75
04	OVC	018		4.00	-RA BR	36	34	35	93	5	03	28.97	29.97	04	OVC	007		3.00	RA BR	52	51	52	97	0	00	28.74	29.70
07	OVC	032		6.00	-RA BR	35	33	34	93	8	05	28.98	29.98	07	OVC	046		2.50	BR	52	51	52	97	0	00	28.73	29.70
10	OVC	015		6.00	-RA BR	37	34	36	89	10	04	29.03	30.03	10	OVC	009		9.00		55	52	53	90	7	23	28.74	29.71
13	OVC	012		9.00	-RA	39	36	38	89	10	03	29.01	30.01	13	BKN	065		10.00		60	48	54	65	7	VR	28.74	29.70
16	OVC	024		10.00		43	35	40	74	7	VR	29.00	29.99	16	BKN	080		10.00		59	43	51	56	10	24	28.79	29.75
19	OVC	040		10.00		44	33	39	65	5	08	29.02	30.02	19	OVC	055		10.00		56	42	49	60	9	26	28.86	29.83
22	CLR	NC		8.00		35	32	34	89	0	00	29.07	30.08	22	OVC	050		10.00		51	42	47	71	7	27	28.94	29.91
SUNRISE: 0643				MAR 18				SUNSET: 1847				SUNRISE: 0634				MAR 24				SUNSET: 1852							
01	CLR	NC		3.00	BR	31	29	30	92	0	00	29.07	30.07	01	OVC	026		10.00		48	42	45	80	5	VR	28.98	29.95
04	VV	001		0.25	FZFG	28	27	28	96	0	00	29.06	30.07	04	SCT	NC		10.00		46	40	43	79	5	VR	29.01	29.98
07	VV	001		<.25	FZFG	29	28	29	96	0	00	29.09	30.10	07	OVC	021		10.00		46	40	43	79	0	00	29.05	30.03
10	CLR	NC		8.00		38	34	36	86	3	05	29.12	30.14	10	OVC	023		10.00		49	40	45	71	0	00	29.09	30.07
13	CLR	NC		10.00		52	32	43	47	0	00	29.09	30.10	13	OVC	025		10.00		51	40	46	66	0	00	29.09	30.07
16	CLR	NC		10.00		56	26	43	32	0	00	29.03	30.03	16	FEW	NC		10.00		57	41	49	55	6	35	29.05	30.02
19	CLR	NC		10.00		52	28	42	40	0	00	29.04	30.03	19	CLR	NC		10.00		52	41	47	66	3	05	29.07	30.05
22	CLR	NC		10.00		43	33	39	68	0	00	29.07	30.07	22	CLR	NC		10.00		46	40	43	79	3	03	29.05	30.03

OBSERVATIONS AT 3-HOURLY INTERVALS

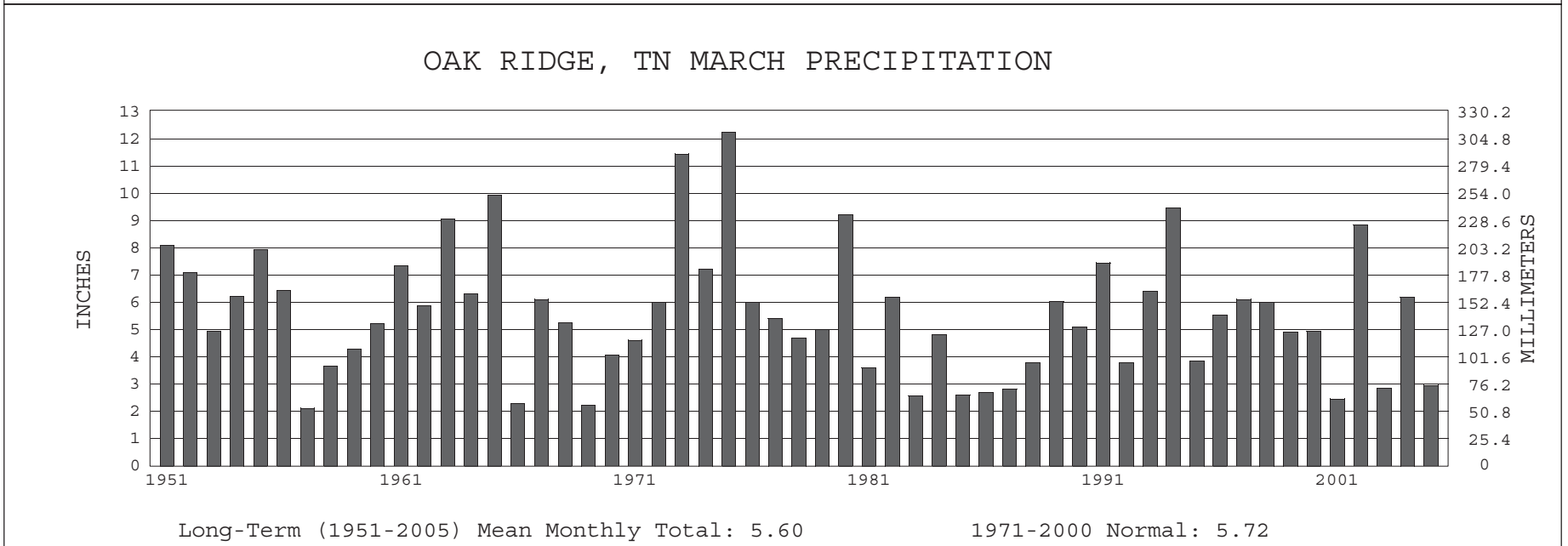
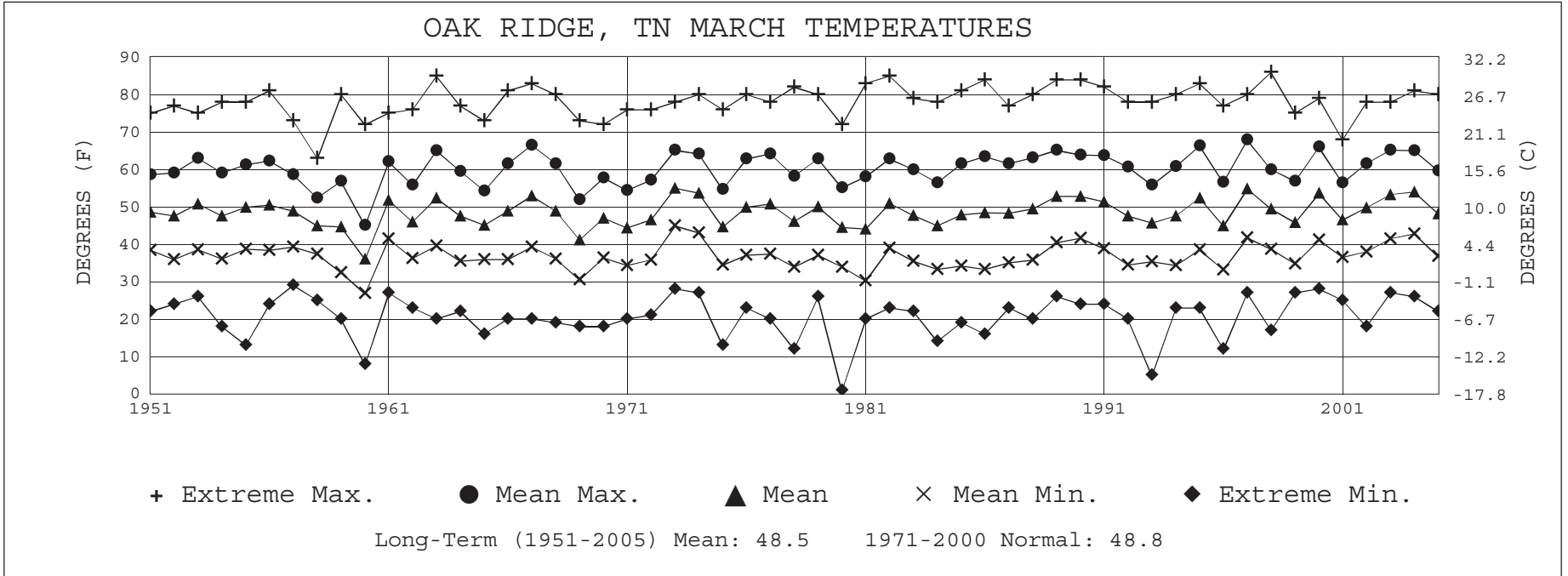
OAK RIDGE, TN

MARCH 2005

OQT

WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)																	
	SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		SKY COVER	CEILING 100'S OF FT		OBSERVATION TIME (LST)	EFF CLD AMT Okta			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																
SUNRISE: 0633								MAR 25								SUNSET: 1853								SUNRISE: 0624								MAR 31								SUNSET: 1858							
01	CLR	NC			8.00			43	40	42	89	0	00	29.00	29.98	01	FEW	NC			10.00			65	40	52	40	5	VR	28.91	29.84																
04	BKN	100			8.00			44	40	42	85	5	14	29.05	30.02	04	OVC	095			10.00			58	53	55	84	0	00	28.88	29.82																
07	SCT	NC			10.00			46	41	44	83	7	07	29.04	30.02	07	OVC	038			2.50	BR		59	58	58	96	0	00	28.96	29.90																
10	FEW	NC			10.00			53	43	48	69	5	35	29.00	29.98	10	OVC	009			5.00	-RA BR		60	58	59	93	0	00	29.01	29.96																
13	CLR	NC			10.00			67	43	54	42	0	00	28.92	29.89	13	OVC	016			10.00			64	59	61	84	9	23	29.03	29.98																
16	FEW	NC			10.00			74	42	57	32	6	25	28.86	29.81	16	CLR	NC			10.00			71	56	62	59	7	VR	29.01	29.96																
19	FEW	NC			10.00			69	43	55	39	0	00	28.87	29.83	19	CLR	NC			10.00			69	56	61	63	3	14	29.03	29.98																
22	CLR	NC			10.00			57	46	51	67	0	00	28.92	29.88	22	FEW	NC			10.00			59	55	57	87	0	00	29.07	30.02																
SUNRISE: 0632								MAR 26								SUNRISE: 1854								3-HOURLY OBSERVATION NOTES																							
01	CLR	NC			10.00			51	45	48	80	0	00	28.94	29.90	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, VV = Vertical Visibility = 8/8.																															
04	CLR	NC			9.00			47	43	45	86	0	00	28.93	29.89	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	FEW	NC			7.00			47	44	46	90	0	00	28.99	29.95	NC = No ceiling detected.																															
10	CLR	NC			10.00			61	47	54	60	3	VR	29.05	30.01	& = Original observation contained additional weather elements.																															
13	CLR	NC			10.00			72	47	58	41	0	00	28.99	29.95	See page 3 for additional notes.																															
16	BKN	095			10.00			76	45	59	33	8	20	28.94	29.89																																
19	CLR	NC			10.00			71	45	57	39	3	36	28.92	29.88																																
22	CLR	NC			10.00			65	41	53	42	8	04	28.94	29.88																																
SUNRISE: 0630								MAR 27								SUNRISE: 1855								SUMMARY BY HOUR																							
01	SCT	NC			10.00			63	43	53	48	8	06	28.90	29.84	AVERAGES																															
04	CLR	NC			10.00			58	44	51	60	3	03	28.82	29.76	RESULTANT WIND (MPH)																															
07	OVC	100			10.00			57	47	52	69	5	04	28.81	29.76	HOUR (LST)																															
10	CLR	NC			8.00			66	51	58	59	6	01	28.79	29.73	CEILOMETER																															
13	OVC	048			10.00			72	53	61	52	10	23	28.76	29.70	EFF CLD AMT																															
16	BKN	040			10.00			73	56	63	55	9	19	28.66	29.59	DRY BULB																															
19	OVC	055			7.00	-RA		63	60	61	90	0	00	28.64	29.58	DEW POINT																															
22	OVC	010			10.00			59	57	58	93	10	05	28.54	29.47	WET BULB																															
SUNRISE: 0629								MAR 28								SUNRISE: 1856								PRESSURE (INCHES, HG)																							
01	OVC	048			4.00	RA BR		57	55	56	93	10	26	28.46	29.39	STATION																															
04	OVC	045			10.00			52	50	51	93	7	20	28.48	29.42	SEA LEVEL																															
07	OVC	050			10.00			50	45	47	83	8	22	28.48	29.43	VISIBILITY (MILES)																															
10	BKN	034			10.00	-RA		47	44	46	90	10	22	28.53	29.48	WIND SPEED (MPH)																															
13	OVC	016			10.00			48	42	45	80	8	23	28.57	29.52	SPEED																															
16	OVC	023			10.00			47	38	43	71	13	26	28.64	29.60	DIRECTION																															
19	OVC	013			10.00			46	41	44	83	8	25	28.71	29.69																																
22	OVC	033			10.00			46	42	44	86	3	VR	28.81	29.80																																
SUNRISE: 0627								MAR 29								SUNRISE: 1856																															
01	CLR	NC			7.00			43	41	42	93	0	00	28.87	29.86																																
04	CLR	NC			4.00	BR		40	37	39	89	0	00	28.88	29.87																																
07	VV	001			<.25	FG		38	37	38	97	0	00	28.96	29.96																																
10	CLR	NC			8.00			51	46	49	83	0	00	29.03	30.01																																
13	CLR	NC			10.00			64	41	52	43	0	00	29.00	29.97																																
16	CLR	NC			10.00			70	37	53	30	0	00	28.94	29.91																																
19	CLR	NC			10.00			67	36	52	32	0	00	28.93	29.90																																
22	CLR	NC			10.00			52	41	47	66	0	00	28.95	29.92																																
SUNRISE: 0626								MAR 30								SUNRISE: 1857																															
01	CLR	NC			10.00			48	42	45	80	0	00	28.96	29.92																																
04	CLR	NC			10.00			45	42	44	90	0	00	28.96	29.92																																
07	CLR	NC			10.00			44	41	43	89	0	00	28.99	29.96																																
10	CLR	NC			10.00			62	41	51	46	0	00	29.01	29.97																																
13	CLR	NC			10.00			74	39	56	28	10	22	28.96	29.92																																
16	CLR	NC			10.00			79	33	56	19	8	23	28.89	29.84																																
19	BKN	075			10.00			75	33	54	22	7	23	28.90	29.85																																
22	CLR	NC			10.00			70	39	54	32	5	VR	28.93	29.88																																





MARCH 2005

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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