



# MARCH 2001

## 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 2001  
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	11	12	13	14	15	16	17	18	19	20	21	22	23	24									
01	61	35	48	5	26	38	17	0					0.00	29.01	30.00	0.2	12	1.9	10	23	8	21	01								
02	60	49	55	12	40	48	10	0	RA				T	28.83	29.79	3.0	23	3.5	18	28	13	29	02								
03	62	48	55	11	45	50	10	0	RA BR				0.11	28.78	29.74	2.0	06	2.4	12	08	9	08	03								
04	64	41	53	9	47	49	12	0	RA BR				0.20	28.66	29.62	1.3	25	5.8	28	21	20	24	04								
05	42	34	38	-6	23	33	27	0	RA SN				T	29.01	30.01	5.8	30	8.1	30	27	20	32	05								
06	43	28	36*	-9	16	28	29	0	SN				T	29.08	30.10	6.2	31	7.6	26	32	17	30	06								
07	52	31	42	-3	20	32	23	0					0.00	29.14	30.15	1.8	34	3.9	17	34	13	34	07								
08	60	25	43	-2	25	36	22	0					0.00	29.04	30.04	3.6	23	4.8	23	25	16	21	08								
09	51	29	40	-6	20	32	25	0					0.00	29.06	30.06	2.5	04	3.9	15	34	10	34	09								
10	56	25	41	-5	19	32	24	0					0.00	29.11	30.11	1.0	06	2.9	12	04	9	36	10								
11	66	31	49	3	27	39	16	0					0.00	29.11	30.10	2.1	21	2.6	16	21	13	22	11								
12	59	40	50	3	31	42	15	0	RA HZ				0.30	28.92	29.89	0.5	23	1.9	13	23	8	22	12								
13	64	50	57*	10	37	48	8	0	RA BR				0.39	28.81	29.78	8.6	25	9.5	30	26	22	23	13								
14	64	38	51	4	32	43	14	0					0.00	28.97	29.95	1.2	22	2.2	13	22	10	21	14								
15	56	46	51	3	45	47	14	0	RA BR				0.60	28.76	29.73	1.3	07	2.8	15	05	12	05	15								
16	60	47	54	6	43	48	11	0	RA BR				0.10	28.84	29.80	6.4	24	7.3	24	21	20	22	16								
17	48	38	43	-5	33	39	22	0	RA				T	29.19	30.18	4.3	31	7.1	18	28	13	35	17								
18	54	36	45	-4	25	36	20	0					0.00	29.30	30.31	7.1	04	8.1	21	01	16	06	18								
19	61	34	48	-1	21	38	17	0					0.00	29.24	30.23	4.8	05	5.8	17	05	13	05	19								
20	53	38	46	-3	35	39	19	0	RA				0.21	29.02	30.00	12.0	04	12.3	39*	01	28*	06	20								
21	47	39	43	-7	38	41	22	0	RA				0.04	28.92	29.91	2.1	36	4.0	17	33	14	32	21								
22	62	37	50	0	36	44	15	0	FG+ BR				0.00	29.04	30.03	3.0	02	4.1	17	01	14	36	22								
23	68*	32	50	0	32	42	15	0					0.00	29.09	30.08	0.5	18	2.1	14	10	10	35	23								
24	65	36	51	1	33	42	14	0					0.00	29.07	30.06	3.2	30	5.4	20	26	15	26	24								
25	53	30	42	-9	14	32	23	0					0.00	29.16	30.16	2.2	33	5.8	20	29	14	26	25								
26	48	26	37	-14	12	29	28	0					0.00	29.22	30.24	2.1	33	5.1	22	17	14	21	26								
27	50	25*	38	-13	15	30	27	0					0.00	29.31	30.33	2.1	03	3.3	13	07	9	06	27								
28	59	26	43	-9	20	35	22	0					0.00	29.21	30.21	1.1	19	4.7	21	22	15	21	28								
29	50	44	47	-5	44	46	18	0	RA BR				0.41	28.95	29.94	3.9	05	4.4	16	05	12	05	29								
30	54	48	51	-1	48	49	14	0	RA BR HZ				0.10	28.85	29.82	0.9	05	2.1	13	05	10	05	30								
31	55	45	50	-3	45	48	15	0	BR				0.00	28.87	29.84	2.0	25	3.6	13	25	9	27	31								
56.4											36.5	46.5	■ ■	30.6	39.8	18.3	0.0	< MONTHLY AVERAGES		TOTALS->		2.46	29.02	30.01	1.1	33	4.8	<- MONTHLY AVERAGES			
-3.7				0.8	-1.4	■ ■	<-----DEPARTURE FROM NORMAL----->										-3.22		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3												
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 0.69		DATE: 15-16		SEA LEVEL PRESSURE		DATE		TIME													
MONTHLY TOTAL DEPARTURE					SEASON TO DATE TOTAL DEPARTURE					GREATEST 24-HR SNOWFALL:		DATE:		MAXIMUM		DATE		MINIMUM		DATE		TIME									
HEATING: 568					3714					GREATEST SNOW DEPTH:		DATE:		: 30.40		: 29.50		: 04 0953		PRECIPITATION ≥ 0.01 INCH : 10		PRECIPITATION ≥ 0.10 INCH : 9									
COOLING: 0					0					NUMBER OF DAYS WITH →		MAXIMUM TEMP ≥ 90: 0		MINIMUM TEMP ≤ 32: 11		PRECIPITATION ≥ 0.01 INCH : 10		PRECIPITATION ≥ 0.10 INCH : 9		SNOWFALL ≥ 1.0 INCH :											
										MAXIMUM TEMP ≤ 32 : 0		MINIMUM TEMP ≤ 0 : 0		PRECIPITATION ≥ 0.01 INCH : 10		PRECIPITATION ≥ 0.10 INCH : 9		SNOWFALL ≥ 1.0 INCH :													
										THUNDERSTORMS : 0		HEAVY FOG : 1																			

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

MARCH 2001

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													01												01		0.00		
02	T	T	T										02												02		T		
03					T	T	T	T					03					T	T	T	0.03	0.02	T	0.03	0.03	03	0.11		
04	T										0.06	0.01	04	0.02	0.02	T	T	T	0.01	0.04	0.03	0.01	T		04	0.20			
05						T		T					05												05		T		
06		T			T	T	T						06												06		T		
07													07												07		0.00		
08													08												08		0.00		
09													09												09		0.00		
10													10												10		0.00		
11													11												11		0.00		
12												T	12	T	0.05	0.11	0.08	0.03	0.02				T	T	0.01	12	0.30		
13						0.37	0.02						13												13		0.39		
14													14												14		0.00		
15			T	0.03	0.06	0.07	0.09	0.09	0.08	0.10	0.07	0.01	15	T										15		0.60			
16			0.09	T								0.01	16												16		0.10		
17						T							17												17		T		
18													18												18		0.00		
19													19												19		0.00		
20		0.01	T	T	T	0.04	0.05	0.02				T	20	T	0.01	T	T					0.02	0.05	0.01	20		0.21		
21	T					T	T		0.02	0.01	T	T	21							T	T	T	0.01	T	21		0.04		
22													22												22		0.00		
23													23												23		0.00		
24													24												24		0.00		
25													25												25		0.00		
26													26												26		0.00		
27													27												27		0.00		
28													28												28		0.00		
29	T	T	T	0.01							0.01	0.06	29	0.07	0.06	0.05	0.04	0.08	0.03	T				29		0.41			
30													30								0.01	0.07	0.02	T	30		0.10		
31													31												31		0.00		

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.21	.35	.37	.38	.38	.39	.39	.39	.39	.39	.39	.39
Ending Date	13	13	13	13	13	13	13	13	13	13	13	13
Ending Time (Hour/Min)	0543	0548	0548	0555	0555	0615	0615	0615	0615	0615	0615	0615

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 1961–1990

### 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 2001

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							10.00	10.00	
02							10.00	10.00	
03							2.50	10.00	
04							3.00	10.00	
05							8.00	10.00	
06							9.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							10.00	10.00	
12							1.75	10.00	
13							1.50	10.00	
14							10.00	10.00	
15							2.50	10.00	
16							1.25	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							8.00	10.00	
21							8.00	10.00	
22							<.25	10.00	
23							8.00	10.00	
24							10.00	10.00	
25							10.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							9.00	10.00	
29							2.50	10.00	
30							1.50	10.00	
31							6.00	10.00	
<b>MONTHLY AVGS</b>							7.27	10.00	
<b>SUNSHINE (MINUTES)</b>									
Total:                      Possible: Percent Possible:									
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR   PTLY CLDY   CLOUDY   MISSING 31									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25    <=3.0    >=7.0 1            9            21									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2001

OQT

WBAN # 53868

HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)					
	SKY COVER	CEILING 100'S OF FT			OBSERVATION TIME (LST)	EFF CLD AMT Oktas	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 Oktas	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	CLR	NC		10.00		41	30	36	65	0	00	29.07	30.05	01	BKN	044		10.00		34	18	29	52	0	00	29.12	30.14		
04	CLR	NC		10.00		38	27	34	65	0	00	29.08	30.07	04	BKN	040		10.00		32	17	27	54	9	33	29.13	30.15		
07	CLR	NC		10.00		35	25	31	67	0	00	29.08	30.08	07	OVC	034		10.00		31	19	27	61	6	02	29.14	30.16		
10	CLR	NC		10.00		42	21	34	43	3	03	29.09	30.09	10	FEW	NC		10.00		35	19	29	52	0	00	29.17	30.19		
13	CLR	NC		10.00		51	18	38	27	0	00	29.04	30.02	13	CLR	NC		10.00		44	21	35	40	0	00	29.14	30.15		
16	CLR	NC		10.00		60	27	45	28	6	VR	28.94	29.92	16	CLR	NC		10.00		52	20	39	28	7	VR	29.10	30.10		
19	CLR	NC		10.00		54	27	42	35	3	24	28.94	29.93	19	CLR	NC		10.00		47	18	36	31	5	VR	29.11	30.12		
22	CLR	NC		10.00		47	33	41	59	0	00	28.89	29.88	22	CLR	NC		10.00		36	23	31	59	0	00	29.13	30.15		
SUNRISE: 0705					MAR 02					SUNSET: 1833					SUNRISE: 0657					MAR 08					SUNSET: 1838				
01	OVC	046		10.00		51	35	44	54	0	00	28.88	29.85	01	CLR	NC		10.00		30	24	28	79	0	00	29.13	30.14		
04	OVC	031		10.00		51	35	44	54	3	VR	28.82	29.78	04	CLR	NC		10.00		28	23	26	81	0	00	29.14	30.15		
07	OVC	032		10.00		52	37	45	57	3	23	28.81	29.78	07	CLR	NC		10.00		26	22	25	84	0	00	29.12	30.14		
10	OVC	030		10.00		53	45	49	74	9	26	28.87	29.84	10	CLR	NC		10.00		42	24	35	49	9	25	29.10	30.11		
13	CLR	NC		10.00		60	42	51	52	8	22	28.84	29.80	13	CLR	NC		10.00		55	25	42	31	8	24	29.04	30.03		
16	CLR	NC		10.00		60	43	51	53	6	22	28.80	29.76	16	BKN	080		10.00		59	27	45	29	9	22	28.94	29.93		
19	FEW	NC		10.00		59	39	49	48	3	25	28.82	29.78	19	FEW	NC		10.00		55	28	43	36	6	26	28.93	29.92		
22	FEW	NC		10.00		55	40	48	57	0	00	28.81	29.78	22	OVC	070		10.00		51	20	39	29	6	VR	28.98	29.97		
SUNRISE: 0704					MAR 03					SUNSET: 1834					SUNRISE: 0656					MAR 09					SUNSET: 1839				
01	OVC	070		10.00		53	42	48	66	0	00	28.79	29.75	01	CLR	NC		10.00		41	21	34	45	0	00	29.03	30.01		
04	SCT	NC		10.00	-RA	49	43	46	80	0	00	28.78	29.74	04	CLR	NC		10.00		34	23	30	64	0	00	29.02	30.00		
07	OVC	100		10.00		49	43	46	80	3	04	28.81	29.78	07	CLR	NC		10.00		31	23	28	72	3	06	29.07	30.06		
10	BKN	100		10.00		52	42	47	69	0	00	28.81	29.78	10	CLR	NC		10.00		38	20	31	48	5	VR	29.10	30.10		
13	CLR	NC		10.00		59	41	50	51	0	00	28.80	29.76	13	CLR	NC		10.00		44	18	34	35	3	VR	29.08	30.07		
16	OVC	055		10.00		61	45	53	56	0	00	28.76	29.72	16	CLR	NC		10.00		50	20	38	31	0	00	29.03	30.02		
19	OVC	070		9.00	-RA	56	51	53	84	5	10	28.77	29.74	19	CLR	NC		10.00		45	16	34	31	5	36	29.06	30.06		
22	OVC	031		8.00	-RA	53	51	52	93	5	05	28.73	29.70	22	CLR	NC		10.00		37	18	30	46	6	04	29.09	30.10		
SUNRISE: 0703					MAR 04					SUNSET: 1835					SUNRISE: 0655					MAR 10					SUNSET: 1840				
01	OVC	017		7.00		51	50	51	96	6	05	28.67	29.62	01	CLR	NC		10.00		32	18	27	56	3	09	29.11	30.12		
04	OVC	015		10.00		51	49	50	92	3	08	28.61	29.56	04	CLR	NC		10.00		28	19	25	69	5	05	29.11	30.12		
07	OVC	012		7.00		50	49	49	96	0	00	28.61	29.56	07	CLR	NC		10.00		25	20	23	81	3	06	29.15	30.16		
10	BKN	055		10.00		63	55	58	76	6	VR	28.57	29.52	10	CLR	NC		10.00		40	20	33	45	7	VR	29.18	30.19		
13	OVC	027		7.00	-RA	56	50	53	81	10	25	28.59	29.55	13	CLR	NC		10.00		49	18	37	29	3	VR	29.13	30.14		
16	OVC	030		7.00		51	48	49	89	12	23	28.64	29.60	16	CLR	NC		10.00		55	15	40	21	6	VR	29.05	30.05		
19	OVC	031		9.00	-RA	47	44	46	90	7	VR	28.71	29.68	19	CLR	NC		10.00		50	18	38	28	0	00	29.06	30.07		
22	OVC	031		10.00	-RA	43	36	40	76	5	34	28.82	29.79	22	CLR	NC		10.00		41	25	35	53	0	00	29.05	30.05		
SUNRISE: 0701					MAR 05					SUNSET: 1836					SUNRISE: 0653					MAR 11					SUNSET: 1841				
01	OVC	030		9.00		41	32	37	70	6	VR	28.89	29.87	01	CLR	NC		10.00		33	23	29	67	0	00	29.07	30.07		
04	OVC	026		9.00		39	30	35	70	12	36	28.93	29.92	04	CLR	NC		10.00		31	23	28	72	0	00	29.06	30.05		
07	OVC	032		10.00		37	30	34	76	6	36	29.00	29.99	07	CLR	NC		10.00		33	22	29	64	0	00	29.12	30.13		
10	SCT	NC		10.00		39	25	34	57	6	VR	29.06	30.05	10	CLR	NC		10.00		51	28	41	41	3	VR	29.17	30.16		
13	SCT	NC		10.00		39	23	33	53	12	27	29.04	30.04	13	CLR	NC		10.00		62	29	47	29	8	24	29.14	30.14		
16	OVC	038		10.00		38	22	32	53	8	29	29.04	30.04	16	CLR	NC		10.00		64	26	47	24	0	00	29.08	30.07		
19	BKN	049		10.00		38	18	31	44	6	VR	29.05	30.05	19	CLR	NC		10.00		58	30	45	35	0	00	29.10	30.10		
22	OVC	049		10.00		35	16	29	46	8	29	29.06	30.06	22	CLR	NC		10.00		48	33	41	56	0	00	29.10	30.09		
SUNRISE: 0700					MAR 06					SUNSET: 1837					SUNRISE: 0652					MAR 12					SUNSET: 1842				
01	OVC	049		10.00		33	15	27	48	8	30	29.03	30.03	01	CLR	NC		10.00		45	34	40	66	0	00	29.08	30.06		
04	OVC	048		9.00		29	17	25	61	7	30	29.02	30.03	04	FEW	NC		10.00		42	31	37	65	0	00	29.06	30.03		
07	OVC	039		9.00		29	14	24	54	10	31	29.07	30.08	07	CLR	NC		10.00		40	31	36	70	0	00	29.03	30.01		
10	FEW	NC		10.00		32	14	26	47	14	31	29.08	30.11	10	CLR	NC		10.00		53	31	43	43	5	05	29.00	29.98		
13	BKN	041		10.00		37	16	30	42	7	VR	29.11	30.13	13	BKN	055		10.00	-RA	58	31	46	36	3	VR	28.91	29.88		
16	CLR	NC		10.00		41	16	32	36	7	30	29.08	30.10	16	OVC	009		2.00	-RA	52	28	42	40	0	00	28.84	29.83		
19	CLR	NC		10.00		40	15	31	36	0	00	29.08	30.10	19	SCT	NC		4.00	HZ	54	30	43	40	0	00	28.73	29.71		
22	CLR	NC		10.00		36	17	29	46	6	31	29.13	30.16	22	OVC	030		10.00	-RA	55	30	44	39	6	25	28.77	29.73		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2001

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	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
<b>SUNRISE: 0650</b>				<b>MAR 13</b>				<b>SUNSET: 1843</b>				<b>SUNRISE: 0642</b>				<b>MAR 19</b>				<b>SUNSET: 1848</b>									
01	OVC	036		10.00	57	31	45	37	7	22	28.74	29.70	01	CLR	NC		10.00	40	22	33	49	6	05	29.29	30.29				
04	OVC	027		10.00	57	54	55	90	8	19	28.71	29.67	04	CLR	NC		10.00	38	21	32	51	3	04	29.28	30.27				
07	BKN	100		10.00	54	51	52	90	8	25	28.73	29.70	07	CLR	NC		10.00	34	22	30	61	5	04	29.29	30.30				
10	BKN	046		10.00	54	41	48	62	13	26	28.86	29.83	10	CLR	NC		10.00	48	22	38	36	9	05	29.33	30.33				
13	CLR	NC		10.00	61	31	47	32	15	27	28.82	29.78	13	CLR	NC		10.00	57	23	43	27	7	VR	29.26	30.24				
16	CLR	NC		10.00	64	30	48	28	13	24	28.77	29.72	16	CLR	NC		10.00	60	20	44	21	9	06	29.15	30.14				
19	SCT	NC		10.00	61	28	46	29	8	25	28.85	29.81	19	BKN	110		10.00	56	20	41	25	5	02	29.16	30.16				
22	CLR	NC		10.00	54	25	42	33	3	VR	28.93	29.90	22	OVC	085		10.00	53	23	41	31	5	09	29.18	30.16				
<b>SUNRISE: 0649</b>				<b>MAR 14</b>				<b>SUNSET: 1844</b>				<b>SUNRISE: 0640</b>				<b>MAR 20</b>				<b>SUNSET: 1849</b>									
01	FEW	NC		10.00	48	31	41	52	0	00	28.94	29.90	01	OVC	070		10.00	50	31	42	48	0	00	29.19	30.17				
04	CLR	NC		10.00	43	31	38	63	0	00	28.96	29.93	04	OVC	049		10.00	47	33	41	59	14	05	29.10	30.09				
07	CLR	NC		10.00	38	32	35	79	0	00	29.02	29.99	07	OVC	021		9.00	40	35	38	83	18	06	29.11	30.10				
10	CLR	NC		10.00	52	31	43	45	5	29	29.04	30.01	10	OVC	042		10.00	42	30	37	62	17	04	29.03	30.01				
13	CLR	NC		10.00	60	28	46	30	6	VR	29.00	29.97	13	OVC	022		9.00	40	33	37	77	16	04	29.00	29.99				
16	CLR	NC		10.00	63	28	47	27	8	21	28.98	29.95	16	OVC	025		10.00	43	38	41	82	9	04	28.94	29.93				
19	CLR	NC		10.00	59	34	47	39	0	00	28.95	29.93	19	OVC	032		10.00	42	37	40	82	10	04	28.94	29.93				
22	CLR	NC		10.00	53	39	46	59	0	00	28.94	29.91	22	OVC	017		10.00	41	39	40	93	10	04	28.95	29.94				
<b>SUNRISE: 0647</b>				<b>MAR 15</b>				<b>SUNSET: 1844</b>				<b>SUNRISE: 0639</b>				<b>MAR 21</b>				<b>SUNSET: 1850</b>									
01	BKN	100		10.00	51	38	45	61	0	00	28.87	29.83	01	OVC	021		10.00	40	38	39	93	8	03	28.90	29.90				
04	OVC	039		8.00	48	45	47	89	5	15	28.85	29.82	04	OVC	027		10.00	40	36	38	86	5	06	28.84	29.83				
07	OVC	016		5.00	47	46	46	97	6	04	28.71	29.68	07	OVC	027		10.00	39	37	38	93	0	00	28.87	29.87				
10	OVC	030		4.00	47	45	46	93	0	00	28.75	29.73	10	OVC	028		10.00	42	36	39	79	5	36	28.90	29.89				
13	OVC	015		10.00	51	47	49	86	3	11	28.72	29.69	13	OVC	031		10.00	46	37	42	71	7	34	28.90	29.89				
16	OVC	025		10.00	54	47	50	77	5	VR	28.73	29.70	16	OVC	031		10.00	46	37	42	71	5	VR	28.92	29.91				
19	SCT	NC		10.00	53	47	50	80	0	00	28.73	29.70	19	OVC	025		10.00	46	40	43	79	0	00	28.97	29.96				
22	SCT	NC		7.00	46	45	46	96	0	00	28.75	29.74	22	OVC	032		10.00	44	43	44	96	0	00	29.01	30.00				
<b>SUNRISE: 0646</b>				<b>MAR 16</b>				<b>SUNSET: 1845</b>				<b>SUNRISE: 0637</b>				<b>MAR 22</b>				<b>SUNSET: 1850</b>									
01	BKN	043		10.00	48	46	47	93	5	VR	28.74	29.72	01	OVC	055		6.00	44	43	44	96	0	00	29.01	29.99				
04	OVC	019		9.00	49	48	48	97	0	00	28.71	29.68	04	BKN	001		0.50	41	41	41	100	0	00	29.00	29.99				
07	OVC	090		2.00	48	47	47	96	0	00	28.75	29.72	07	VV	001		<.25	37	37	37	100	0	00	29.04	30.03				
10	BKN	060		10.00	59	50	54	72	9	25	28.77	29.74	10	CLR	NC		10.00	52	43	48	72	5	09	29.07	30.06				
13	OVC	050		10.00	58	40	49	51	13	25	28.80	29.77	13	CLR	NC		10.00	59	31	46	35	7	VR	29.05	30.03				
16	OVC	050		10.00	56	40	48	55	14	23	28.85	29.82	16	CLR	NC		10.00	61	31	47	32	12	36	29.02	30.00				
19	OVC	039		10.00	53	40	47	61	12	24	28.94	29.91	19	SCT	NC		10.00	57	31	45	37	3	VR	29.06	30.04				
22	OVC	044		10.00	51	38	45	61	8	25	29.00	29.97	22	CLR	NC		10.00	51	31	42	46	3	36	29.08	30.06				
<b>SUNRISE: 0645</b>				<b>MAR 17</b>				<b>SUNSET: 1846</b>				<b>SUNRISE: 0636</b>				<b>MAR 23</b>				<b>SUNSET: 1851</b>									
01	OVC	028		10.00	46	37	42	71	6	VR	29.06	30.03	01	CLR	NC		10.00	40	34	37	79	0	00	29.08	30.06				
04	OVC	050		10.00	44	37	41	76	5	VR	29.08	30.06	04	CLR	NC		10.00	35	32	34	89	0	00	29.08	30.07				
07	OVC	039		10.00	42	36	39	79	6	26	29.11	30.11	07	CLR	NC		9.00	33	31	32	92	0	00	29.12	30.12				
10	OVC	029		10.00	44	33	39	65	6	29	29.18	30.17	10	CLR	NC		10.00	51	36	44	56	0	00	29.16	30.15				
13	OVC	028		10.00	45	32	39	61	6	29	29.22	30.22	13	CLR	NC		10.00	62	31	48	31	6	VR	29.11	30.09				
16	SCT	NC		10.00	45	30	39	56	9	30	29.21	30.21	16	CLR	NC		10.00	67	28	49	23	7	01	29.05	30.03				
19	OVC	035		10.00	41	30	37	65	8	35	29.25	30.26	19	CLR	NC		10.00	62	31	48	31	6	17	29.06	30.04				
22	OVC	027		10.00	39	28	35	65	10	35	29.31	30.31	22	CLR	NC		10.00	49	35	43	59	0	00	29.08	30.06				
<b>SUNRISE: 0643</b>				<b>MAR 18</b>				<b>SUNSET: 1847</b>				<b>SUNRISE: 0635</b>				<b>MAR 24</b>				<b>SUNSET: 1852</b>									
01	OVC	029		10.00	38	27	34	65	3	VR	29.30	30.31	01	CLR	NC		10.00	41	34	38	76	0	00	29.08	30.06				
04	OVC	029		10.00	38	28	34	68	5	VR	29.28	30.29	04	CLR	NC		10.00	39	32	36	76	0	00	29.07	30.04				
07	OVC	028		10.00	37	26	33	65	13	02	29.29	30.30	07	CLR	NC		10.00	36	32	34	86	0	00	29.07	30.05				
10	BKN	034		10.00	40	25	34	55	10	06	29.37	30.38	10	BKN	095		10.00	55	34	45	45	6	24	29.06	30.04				
13	CLR	NC		10.00	49	26	40	41	9	07	29.35	30.35	13	SCT	NC		10.00	63	40	51	43	7	VR	29.04	30.02				
16	CLR	NC		10.00	54	22	41	29	10	03	29.26	30.26	16	SCT	NC		10.00	62	40	51	44	9	28	29.03	30.01				
19	CLR	NC		10.00	50	19	38	29	8	04	29.25	30.25	19	CLR	NC		10.00	51	33	43	50	9	36	29.08	30.07				
22	CLR	NC		10.00	41	25	35	53	3	07	29.30	30.31	22	CLR	NC		10.00	46	26	38	46	9	01	29.13	30.12				

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MARCH 2001

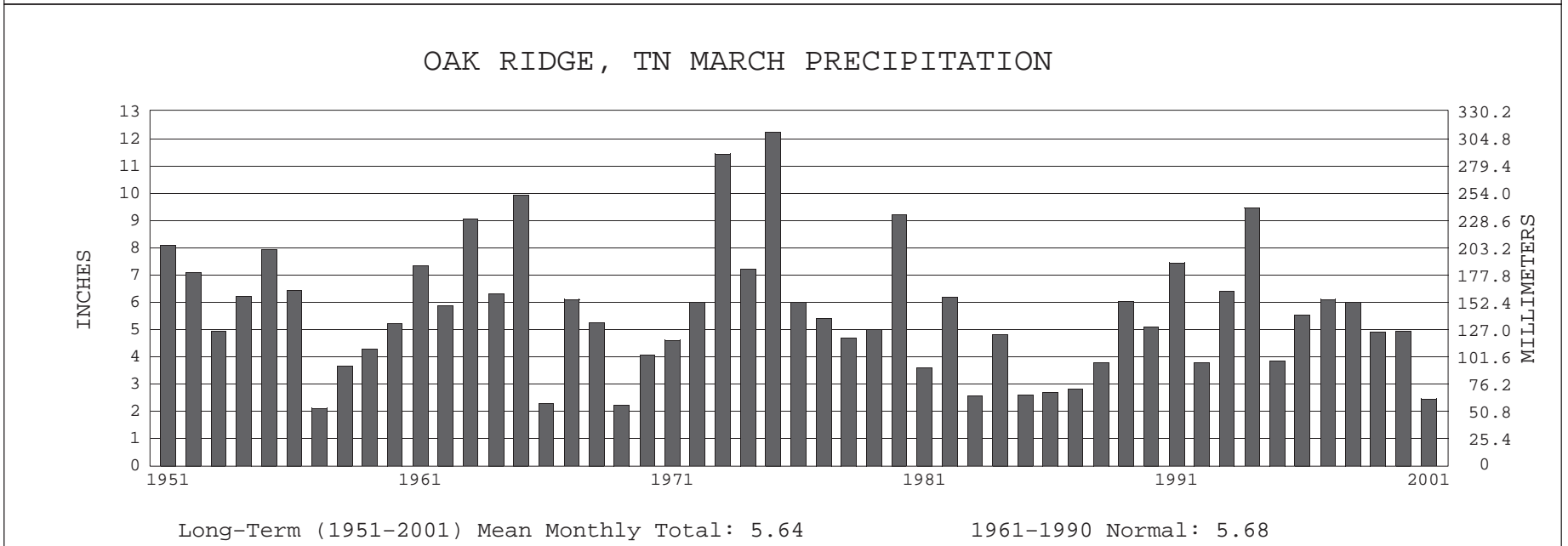
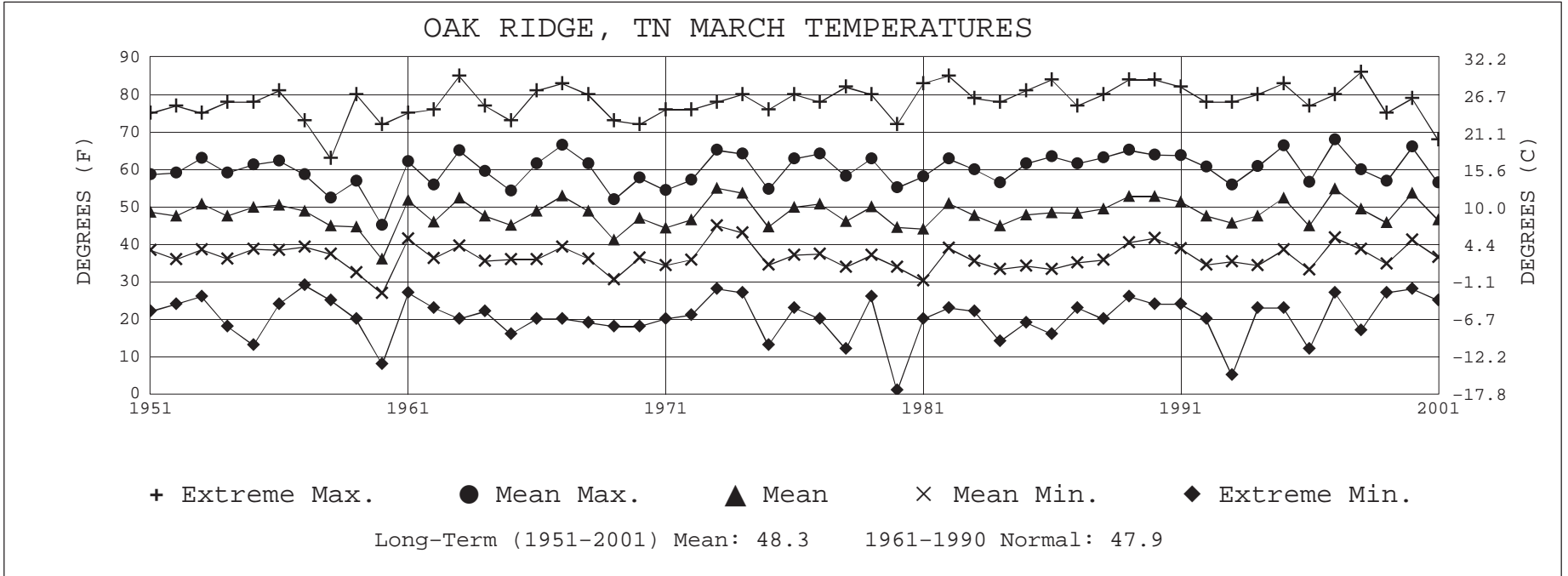
QQT

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)																	
	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)			SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL	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				10.00		40	16	32	38	7	01	29.16	30.15	01	OVC	028				8.00			50	49	49	96	5	23	28.85	29.82															
04	CLR	NC				10.00		35	16	29	46	0	00	29.16	30.15	04	OVC	030				10.00			50	47	48	89	6	27	28.84	29.82															
07	CLR	NC				10.00		30	20	27	66	0	00	29.19	30.20	07	OVC	031				9.00			49	45	47	86	0	00	28.87	29.84															
10	CLR	NC				10.00		40	16	32	38	7	05	29.21	30.22	10	OVC	033				9.00			50	45	47	83	7	24	28.90	29.88															
13	CLR	NC				10.00		47	15	35	28	3	VR	29.15	30.15	13	OVC	038				10.00			55	43	49	64	3	VR	28.89	29.85															
16	CLR	NC				10.00		52	9	37	18	10	24	29.08	30.08	16	OVC	038				10.00			54	43	48	67	7	VR	28.86	29.83															
19	CLR	NC				10.00		47	6	34	19	6	30	29.11	30.12	19	OVC	055				10.00			53	42	48	66	0	00	28.86	29.83															
22	CLR	NC				10.00		41	13	31	32	8	29	29.15	30.16	22	OVC	085				10.00			49	43	46	80	3	22	28.87	29.84															
SUNRISE: 0632								MAR 26								SUNSET: 1854								3-HOURLY OBSERVATION NOTES																							
01	CLR	NC				10.00		34	14	27	44	7	36	29.18	30.18	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				10.00		30	10	24	43	10	36	29.19	30.20	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	CLR	NC				10.00		26	12	22	55	0	00	29.23	30.24	NC= No ceiling detected.																															
10	CLR	NC				10.00		35	13	28	40	6	VR	29.26	30.28	& = Original observation contained additional weather elements.																															
13	CLR	NC				10.00		43	13	33	29	6	31	29.23	30.24	See page 3 for additional notes.																															
16	CLR	NC				10.00		46	10	34	23	0	00	29.17	30.19																																
19	CLR	NC				10.00		42	10	32	27	6	VR	29.21	30.23																																
22	CLR	NC				10.00		36	13	28	39	3	VR	29.26	30.27																																
SUNRISE: 0630								MAR 27								SUNSET: 1855																															
01	CLR	NC				10.00		32	14	26	47	5	36	29.28	30.30																																
04	CLR	NC				10.00		27	17	24	66	0	00	29.29	30.31																																
07	CLR	NC				10.00		26	17	23	69	0	00	29.34	30.36																																
10	CLR	NC				10.00		36	15	29	42	6	02	29.38	30.40																																
13	CLR	NC				10.00		44	17	34	34	5	VR	29.33	30.35																																
16	CLR	NC				10.00		49	14	36	25	0	00	29.27	30.28																																
19	CLR	NC				10.00		45	12	34	26	3	06	29.29	30.31																																
22	CLR	NC				10.00		38	14	30	37	3	04	29.33	30.34																																
SUNRISE: 0629								MAR 28								SUNSET: 1856																															
01	CLR	NC				10.00		31	18	27	59	0	00	29.31	30.32																																
04	CLR	NC				10.00		29	18	25	64	0	00	29.30	30.32																																
07	CLR	NC				10.00		27	21	25	78	5	06	29.30	30.32																																
10	CLR	NC				10.00		42	18	33	38	5	VR	29.30	30.31																																
13	CLR	NC				10.00		53	16	39	23	0	00	29.22	30.22																																
16	CLR	NC				10.00		58	15	41	18	3	VR	29.12	30.11																																
19	CLR	NC				10.00		56	20	41	25	3	20	29.08	30.09																																
22	OVC	065				10.00		51	28	41	41	9	21	29.10	30.10																																
SUNRISE: 0627								MAR 29								SUNSET: 1856																															
01	OVC	050				10.00	-RA	48	35	42	61	0	00	29.10	30.09																																
04	OVC	047				7.00		45	42	44	90	3	10	29.08	30.06																																
07	OVC	045				7.00		45	41	43	86	3	04	29.04	30.02																																
10	OVC	033				9.00		46	39	43	77	7	04	29.03	30.01																																
13	OVC	011				3.00	RA BR	46	44	45	93	9	05	28.95	29.94																																
16	OVC	050				5.00	-RA BR	49	48	48	97	7	05	28.86	29.84																																
19	OVC	014				10.00		49	48	48	97	6	03	28.81	29.79																																
22	OVC	020				4.00	BR	49	49	49	100	0	00	28.84	29.82																																
SUNRISE: 0626								MAR 30								SUNSET: 1857																															
01	OVC	006				8.00		50	48	49	93	0	00	28.85	29.83																																
04	OVC	017				8.00		49	47	48	93	0	00	28.83	29.81																																
07	OVC	013				7.00		48	46	47	93	0	00	28.87	29.84																																
10	OVC	008				8.00		49	47	48	93	3	06	28.88	29.86																																
13	OVC	016				8.00		52	47	49	83	3	04	28.83	29.81																																
16	OVC	018				10.00		54	48	51	80	0	00	28.83	29.80																																
19	OVC	022				7.00		53	49	51	86	3	27	28.83	29.80																																
22	OVC	016				1.50	RA BR	51	50	51	96	0	00	28.86	29.83																																

## 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			42	31	38	65	29.03	30.01	9.61	2	1	1	
02			41	31	38	69	29.02	30.01	9.56	4	2	1	
03			41	31	37	71	29.02	30.00	9.39	3	1	1	
04			40	31	37	73	29.01	30.00	9.37	3	1	2	
05			39	31	36	73	29.02	30.00	9.33	3	1	4	
06			38	31	36	76	29.02	30.01	8.96	3	1	36	
07			38	31	35	78	29.03	30.02	8.84	3	2	2	
08			40	31	36	73	29.04	30.04	8.89	4	2	2	
09			43	32	39	66	29.05	30.04	9.44	5	2	4	
10			46	31	40	58	29.05	30.05	9.68	5	2	34	
11			48	30	41	54	29.05	30.04	9.58	5	1	32	
12			50	31	42	50	29.04	30.03	9.65	6	1	32	
13			52	30	42	47	29.02	30.01	9.58	4	2	29	
14			53	30	43	46	29.00	29.99	9.61	6	2	30	
15			54	30	43	45	28.99	29.97	9.45	6	2	26	
16			54	30	44	44	28.98	29.97	9.48	5	2	28	
17			54	29	43	44	28.98	29.97	9.41	7	2	29	
18			53	29	43	45	28.98	29.97	9.52	6	2	30	
19			51	29	42	48	28.99	29.98	9.65	4	1	33	
20			49	30	41	52	29.00	29.99	9.52	4	2	32	
21			47	30	40	56	29.01	30.00	9.52	3	1	33	
22			46	31	40	59	29.02	30.01	9.37	3	1	34	
23			45	31	39	61	29.02	30.01	9.26	3	1	34	
24			44	31	39	63	29.02	30.01	9.32	3	1	34	





**MARCH 2001  
OAK RIDGE, TN**

# LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

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