



# MAY 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 #: -

MAY 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				
																			SPEED	DIR	SPEED	DIR			
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	78	57	68	7	56	60	0	3	RA BR					29.21	30.17	0.5	20	2.3	15	19	13	20	01		
02	81	56	69	8	56	61	0	4	FG BR HZ				0.00	29.17	30.12	0.6	12	1.7	12	21	9	20	02		
03	84	56	70	9	54	61	0	5	BR HZ				0.00	29.26	30.21	0.4	24	1.8	14	19	12	19	03		
04	86	57	72	10	53	61	0	7	BR				0.00	29.22	30.17	0.5	16	2.4	13	17	9	20	04		
05	87	56	72	10	55	62	0	7	BR HZ				0.00	29.12	30.06	0.9	05	1.4	13	17	9	14	05		
06	85	62	74	12	60	64	0	9	RA BR HZ				0.44	29.16	30.10	0.9	13	2.9	28	16	21	17	06		
07	66	61	64	2	61	62	1	0	RA BR HZ				0.28	29.31	30.27	0.9	05	1.9	12	06	10	06	07		
08	64	59	62	-1	56	58	3	0	RA BR				0.04	29.33	30.30	2.3	22	3.3	13	20	9	21	08		
09	72	56	64	1	57	59	1	0	RA BR				0.01	29.27	30.23	1.2	09	2.1	13	28	10	28	09		
10	78	52	65	2	57	60	0	0	FG+ BR				0.00	29.19	30.15	1.2	20	1.7	10	18	8	22	10		
11	81	56	69	5	59	63	0	4	FG+ BR HZ				0.00	29.15	30.10	3.3	22	4.3	18	26	12	23	11		
12	79	57	68	4	56	61	0	3	RA BR				0.01	29.15	30.09	1.0	26	4.5	17	34	13	34	12		
13	75	49	62	-2	43	52	3	0					0.00	29.24	30.20	2.3	04	4.2	16	06	13	06	13		
14	78	45	62	-3	47	54	3	0					0.00	29.23	30.19	0.6	09	2.2	13	22	9	24	14		
15	88	56	72	7	55	62	0	7					0.00	29.03	29.97	1.3	24	3.8	18	29	13	20	15		
16	88	64	76	11	59	65	0	11					0.00	28.89	29.81	3.7	23	5.7	18	28	14	27	16		
17	89	66	78*	13	60	66	0	13					0.00	28.93	29.86	3.8	22	5.0	20	20	15	20	17		
18	89*	63	76	11	60	66	0	11					0.00	28.96	29.88	4.8	22	6.1	21	19	15	21	18		
19	86	63	75	10	62	67	0	10	RA				T	28.91	29.83	3.5	20	5.0	26	20	18	18	19		
20	80	67	74	8	66	68	0	9	RA BR				0.02	28.86	29.79	0.9	23	2.7	14	27	10	27	20		
21	83	67	75	9	67	69	0	10	RA FG BR HZ				0.48	28.82	29.75	4.2	21	5.2	29*	22	21	19	21		
22	70	51	61	-6	55	59	4	0	RA FG+ BR				1.44	28.90	29.84	0.9	27	2.4	17	28	12	26	22		
23	72	45*	59*	-8	49	53	6	0	RA FG+ BR				0.12	28.95	29.91	0.6	22	2.6	25	29	17	29	23		
24	73	50	62	-5	54	57	3	0	RA FG+ BR				0.26	28.90	29.86	1.6	19	5.6	26	20	21*	20	24		
25	72	53	63	-4	49	55	2	0	RA BR				0.05	28.99	29.94	3.1	22	4.3	20	22	14	20	25		
26	75	47	61	-7	48	54	4	0					0.00	29.00	29.95	3.4	21	3.9	17	21	14	22	26		
27	80	53	67	-1	52	59	0	2	RA				0.02	28.91	29.85	3.3	24	4.6	24	29	16	26	27		
28	68	60	64	-4	62	63	1	0	RA BR				0.15	28.96	29.91	1.1	20	2.3	14	22	10	21	28		
29	79	58	69	1	57	61	0	4	FG+ BR				0.00	29.04	29.98	2.0	06	3.2	15	07	12	06	29		
30	80	53	67	-2	54	60	0	2	BR				0.00	29.11	30.05	1.6	06	2.9	15	07	12	08	30		
31	76	57	67	-2	61	63	0	2	RA BR HZ				0.35	29.04	29.98	0.7	10	1.4	10	16	9	17	31		

78.8	56.5	67.7	■ ■	56.1	60.8	1.0	4.0	< MONTHLY AVERAGES	TOTALS->				3.67	29.07	30.02	1.1	21	3.3	<- MONTHLY AVERAGES
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1.4	4.3	2.8	■ ■	->-----DEPARTURE FROM NORMAL-----<										-1.01	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3									
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<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION: 1.61 DATE : 21-22					SEA LEVEL PRESSURE					DATE TIME						
MONTHLY TOTAL DEPARTURE								SEASON TO DATE TOTAL DEPARTURE					GREATEST 24-HR SNOWFALL: DATE :					MAXIMUM : 30.34 08 1053		MINIMUM : 29.67 21 1553				
HEATING: 31 -65 3896 -287								NUMBER OF DAYS WITH →					MAXIMUM TEMP ≥ 90: 0					MINIMUM TEMP ≤ 32: 0					PRECIPITATION ≥ 0.01 INCH : 14	
COOLING: 123 30 183 84													MAXIMUM TEMP ≤ 32: 0					MINIMUM TEMP ≤ 0: 0					PRECIPITATION ≥ 0.10 INCH : 8	
													THUNDERSTORMS : 0					HEAVY FOG : 6					SNOWFALL ≥ 1.0 INCH :	

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

## OAK RIDGE, TN

MAY 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							T					01		T	
02													02												02		0.00	
03													03												03		0.00	
04													04												04		0.00	
05													05												05		0.00	
06													06					T	0.03	0.01	0.07	T	0.10	0.21	0.02	06	0.44	
07		0.05	0.07	0.04	0.05	0.04	T	0.01	T	T			07	0.02	T	T									07	0.28		
08						T	T	T					08	T	0.02	0.02	T								08	0.04		
09													09				T	0.01	T						09	0.01		
10													10												10	0.00		
11													11												11	0.00		
12						T	0.01	T	T				12												12	0.01		
13													13												13	0.00		
14													14												14	0.00		
15													15												15	0.00		
16													16												16	0.00		
17													17					T							17	0.00		
18													18						T						18	0.00		
19													19			T	T	T	T						19	T		
20			0.02	T								T	20	T											20	0.02		
21													21						0.13	0.04					21	0.48		
22				0.01	0.41	0.19	0.08	0.10		T	0.25	0.06	22	T											22	1.44		
23											0.53	0.09	23												23	0.12		
24					0.04	0.02	0.15	0.05					24		T	T	T	0.12	T						24	0.26		
25		0.05	T										25										T		25	0.05		
26													26												26	0.00		
27	T	T											27											T	27	0.02		
28				0.01	T	0.09	0.01						28			0.01	0.02	0.01			T		T		28	0.15		
29													29												29	0.00		
30								T	0.04	0.01	0.03	T	30												30	0.00		
31													31		T	T									31	0.35		

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.32	.50	.52	.52	.52	.53	.60	.62	.62	.63	.68	.71
Ending Date	22	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hour/Min)	0912	0916	0918	0918	0918	0943	1005	1021	1021	1104	0606	0723

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 MAY 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							4.00	10.00	
02							.50	10.00	
03							3.00	10.00	
04							4.00	10.00	
05							2.50	10.00	
06							1.75	10.00	
07							1.75	7.00	
08							5.00	10.00	
09							.00	10.00	
10							.25	10.00	
11							.25	10.00	
12							6.00	10.00	
13							9.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							7.00	10.00	
19							7.00	10.00	
20							3.00	10.00	
21							.50	10.00	
22							.25	10.00	
23							.25	10.00	
24							.25	10.00	
25							6.00	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							2.50	10.00	
29							.25	10.00	
30							3.00	10.00	
31							1.75	10.00	
<b>MONTHLY AVGS</b>							4.45	9.90	
<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 5            16            9									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2001

QQT

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 Oктаs	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 Oктаs	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
<b>SUNRISE: 0544</b>					<b>MAY 01</b>	<b>SUNSET: 1923</b>					<b>SUNRISE: 0538</b>					<b>MAY 07</b>	<b>SUNSET: 1929</b>												
01	CLR	NC		7.00		61	57	59	87	0	00	29.27	30.22	01	OVC	065		4.00	BR	63	62	62	97	0	00	29.24	30.18		
04	CLR	NC		4.00	BR	58	56	57	93	0	00	29.25	30.20	04	OVC	028		3.00	RA BR	63	62	62	97	0	00	29.26	30.21		
07	CLR	NC		4.00	BR	58	55	56	90	0	00	29.27	30.24	07	OVC	006		2.50	-RA BR	63	61	62	93	0	00	29.31	30.27		
10	SCT	NC		7.00		68	59	63	73	3	VR	29.27	30.22	10	BKN	007		4.00	-RA BR	62	60	61	93	5	VR	29.35	30.31		
13	CLR	NC		9.00		73	58	64	59	8	17	29.20	30.15	13	OVC	010		5.00	-RA BR	62	60	61	93	3	04	29.35	30.31		
16	CLR	NC		10.00		76	53	62	45	0	00	29.14	30.09	16	SCT	NC		6.00	HZ	64	59	61	84	5	04	29.30	30.27		
19	BKN	039		10.00		72	57	63	60	10	20	29.16	30.11	19	BKN	100		6.00	BR	64	60	62	87	0	00	29.29	30.25		
22	CLR	NC		10.00		65	56	60	73	0	00	29.18	30.13	22	CLR	NC		4.00	BR	62	60	61	93	0	00	29.32	30.29		
<b>SUNRISE: 0543</b>					<b>MAY 02</b>	<b>SUNSET: 1924</b>					<b>SUNRISE: 0537</b>					<b>MAY 08</b>	<b>SUNSET: 1929</b>												
01	CLR	NC		6.00	BR	59	56	57	90	0	00	29.14	30.10	01	SCT	NC		5.00	BR	60	59	59	96	0	00	29.32	30.28		
04	OVC	002		2.50	BR	56	55	55	97	0	00	29.14	30.10	04	OVC	070		10.00		61	56	58	84	5	20	29.32	30.28		
07	OVC	110		2.00	BR	57	55	56	93	0	00	29.19	30.15	07	BKN	090		10.00	-RA	60	56	58	86	3	23	29.35	30.31		
10	FEW	NC		9.00		68	57	61	68	5	10	29.21	30.16	10	OVC	085		10.00		61	53	57	75	5	VR	29.37	30.34		
13	CLR	NC		10.00		76	56	64	50	0	00	29.18	30.13	13	OVC	030		10.00	-RA	62	54	57	75	7	21	29.36	30.33		
16	FEW	NC		10.00		81	53	64	38	6	20	29.13	30.08	16	OVC	015		10.00		63	57	60	81	5	VR	29.32	30.28		
19	CLR	NC		10.00		76	54	63	47	3	23	29.14	30.09	19	BKN	075		10.00		63	57	60	81	0	00	29.29	30.25		
22	BKN	100		10.00		69	56	61	63	0	00	29.19	30.14	22	OVC	021		6.00	BR	60	58	59	93	0	00	29.32	30.29		
<b>SUNRISE: 0542</b>					<b>MAY 03</b>	<b>SUNSET: 1925</b>					<b>SUNRISE: 0536</b>					<b>MAY 09</b>	<b>SUNSET: 1930</b>												
01	CLR	NC		7.00		64	56	59	75	0	00	29.21	30.15	01	CLR	NC		5.00	BR	58	56	57	93	0	00	29.31	30.27		
04	CLR	NC		5.00	BR	59	55	57	87	0	00	29.23	30.18	04	OVC	002		1.00	BR	56	56	56	100	0	00	29.30	30.27		
07	BKN	090		3.00	BR	59	55	57	87	0	00	29.31	30.26	07	BKN	018		2.50	BR	58	56	57	93	0	00	29.31	30.28		
10	CLR	NC		10.00		74	53	62	48	6	VR	29.33	30.27	10	OVC	016		7.00		64	56	59	75	7	09	29.32	30.28		
13	CLR	NC		10.00		80	52	63	38	7	VR	29.28	30.23	13	BKN	022		7.00		68	57	62	68	3	VR	29.27	30.23		
16	FEW	NC		10.00		82	51	64	34	3	VR	29.22	30.17	16	OVC	035		7.00	-RA	70	58	63	66	5	VR	29.22	30.18		
19	CLR	NC		10.00		79	52	63	39	0	00	29.20	30.15	19	FEW	NC		10.00		64	59	61	84	0	00	29.22	30.18		
22	CLR	NC		9.00		67	56	60	68	0	00	29.24	30.19	22	CLR	NC		7.00		58	57	57	97	0	00	29.23	30.20		
<b>SUNRISE: 0541</b>					<b>MAY 04</b>	<b>SUNSET: 1926</b>					<b>SUNRISE: 0535</b>					<b>MAY 10</b>	<b>SUNSET: 1931</b>												
01	CLR	NC		10.00		64	55	59	73	3	VR	29.27	30.22	01	CLR	NC		4.00	BR	56	54	55	93	0	00	29.22	30.18		
04	CLR	NC		7.00		60	55	57	84	0	00	29.28	30.22	04	VV	001		0.25	FG	53	53	53	100	0	00	29.20	30.16		
07	CLR	NC		4.00	BR	59	55	57	87	0	00	29.30	30.25	07	VV	001		0.25	FG	55	55	55	100	0	00	29.25	30.22		
10	CLR	NC		10.00		74	53	62	48	3	VR	29.29	30.24	10	CLR	NC		8.00		64	58	60	81	0	00	29.26	30.22		
13	CLR	NC		10.00		83	54	65	37	7	12	29.22	30.16	13	CLR	NC		10.00		74	59	65	60	3	VR	29.20	30.16		
16	CLR	NC		10.00		85	50	64	30	7	09	29.16	30.10	16	FEW	NC		10.00		77	57	65	50	5	15	29.14	30.10		
19	CLR	NC		10.00		81	50	63	34	0	00	29.13	30.08	19	CLR	NC		10.00		75	57	64	54	3	22	29.12	30.08		
22	CLR	NC		9.00		66	54	59	65	0	00	29.17	30.11	22	CLR	NC		8.00		65	60	62	84	0	00	29.16	30.12		
<b>SUNRISE: 0540</b>					<b>MAY 05</b>	<b>SUNSET: 1927</b>					<b>SUNRISE: 0534</b>					<b>MAY 11</b>	<b>SUNSET: 1932</b>												
01	CLR	NC		7.00		61	54	57	78	0	00	29.16	30.10	01	CLR	NC		6.00	BR	60	58	59	93	0	00	29.15	30.10		
04	CLR	NC		5.00	BR	57	54	55	90	0	00	29.15	30.09	04	CLR	NC		4.00	BR	57	55	56	93	0	00	29.16	30.11		
07	CLR	NC		2.50	BR	58	55	56	90	0	00	29.17	30.12	07	OVC	001		0.75	BR	57	57	57	100	0	00	29.20	30.15		
10	CLR	NC		7.00		74	57	64	56	3	VR	29.18	30.12	10	FEW	NC		10.00		72	61	65	69	5	VR	29.20	30.15		
13	CLR	NC		9.00		84	56	67	38	0	00	29.12	30.06	13	SCT	NC		10.00		75	60	66	60	9	24	29.16	30.12		
16	CLR	NC		10.00		86	52	65	31	5	01	29.07	30.00	16	CLR	NC		10.00		80	59	67	49	6	VR	29.10	30.05		
19	CLR	NC		9.00		81	58	67	46	3	07	29.06	30.00	19	CLR	NC		10.00		76	59	65	56	5	18	29.09	30.04		
22	CLR	NC		8.00		69	57	62	66	0	00	29.09	30.03	22	CLR	NC		10.00		66	59	62	78	3	21	29.14	30.09		
<b>SUNRISE: 0539</b>					<b>MAY 06</b>	<b>SUNSET: 1928</b>					<b>SUNRISE: 0534</b>					<b>MAY 12</b>	<b>SUNSET: 1933</b>												
01	CLR	NC		7.00		66	58	61	75	0	00	29.11	30.04	01	OVC	100		10.00		63	60	61	90	3	24	29.14	30.09		
04	SCT	NC		5.00	BR	63	59	61	87	0	00	29.10	30.04	04	FEW	NC		8.00		61	60	60	97	5	VR	29.14	30.08		
07	FEW	NC		3.00	BR	63	59	61	87	3	06	29.15	30.09	07	BKN	090		6.00	-RA BR	63	61	62	93	6	20	29.15	30.10		
10	CLR	NC		7.00		75	57	64	54	6	VR	29.17	30.11	10	OVC	012		10.00		65	61	63	87	7	21	29.17	30.12		
13	CLR	NC		10.00		82	56	66	41	6	21	29.14	30.08	13	BKN	026		10.00		72	61	65	69	0	00	29.15	30.10		
16	SCT	NC		8.00		75	58	65	55	16	18	29.13	30.08	16	SCT	NC		10.00		78	50	62	37	7	VR	29.10	30.04		
19	BKN	100		4.00	-RA BR	66	62	64	87	0	00	29.19	30.14	19	CLR	NC		10.00		72	50	59	46	7	VR	29.12	30.07		
22	OVC	065		1.75	+RA BR	64	62	63	93	0	00	29.26	30.20	22	CLR	NC		10.00		63	50	56	63	3	36	29.17	30.14		

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2001

QQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES, HG)									
			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				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: 0533						MAY 13						SUNSET: 1934						SUNRISE: 0528						MAY 19						SUNSET: 1938					
01	CLR	NC				59	48	53	67	3	VR	29.20	30.15	01	CLR	NC					70	60	64	71	3	VR	28.95	29.87							
04	CLR	NC				55	47	51	74	0	00	29.20	30.15	04	CLR	NC					67	59	62	76	0	00	28.94	29.85							
07	CLR	NC				53	49	51	86	3	VR	29.26	30.22	07	BKN	055					67	60	63	79	0	00	28.96	29.88							
10	CLR	NC				64	44	54	48	6	VR	29.29	30.25	10	CLR	NC					78	61	67	56	5	VR	28.94	29.86							
13	CLR	NC				70	39	54	32	5	VR	29.26	30.21	13	FEW	NC					85	61	69	45	8	24	28.89	29.81							
16	CLR	NC				74	39	56	28	8	04	29.21	30.16	16	FEW	NC					80	61	68	52	12	21	28.85	29.78							
19	CLR	NC				69	38	53	32	5	36	29.21	30.17	19	OVC	080					73	67	69	81	5	15	28.86	29.79							
22	CLR	NC				57	46	51	67	0	00	29.25	30.22	22	OVC	080					70	67	68	90	3	21	28.88	29.81							
SUNRISE: 0532						MAY 14						SUNSET: 1934						SUNRISE: 0528						MAY 20						SUNSET: 1939					
01	CLR	NC				50	46	48	86	0	00	29.25	30.21	01	OVC	029					68	65	66	90	3	25	28.88	29.80							
04	CLR	NC				48	45	47	89	0	00	29.26	30.23	04	OVC	018					68	66	67	93	0	00	28.86	29.79							
07	CLR	NC				49	46	47	90	0	00	29.30	30.27	07	BKN	024					68	66	67	93	3	07	28.88	29.82							
10	CLR	NC				66	44	54	45	3	34	29.30	30.27	10	OVC	025					72	65	67	79	3	VR	28.88	29.81							
13	CLR	NC				72	42	56	34	0	00	29.25	30.22	13	BKN	070					76	66	69	72	0	00	28.86	29.79							
16	CLR	NC				77	45	59	32	6	VR	29.18	30.14	16	SCT	NC					78	66	70	67	6	VR	28.82	29.75							
19	FEW	NC				74	49	60	41	0	00	29.15	30.11	19	SCT	NC					75	65	68	71	3	20	28.82	29.75							
22	CLR	NC				65	53	58	66	0	00	29.17	30.12	22	OVC	085					72	66	68	82	0	00	28.86	29.79							
SUNRISE: 0531						MAY 15						SUNSET: 1935						SUNRISE: 0527						MAY 21						SUNSET: 1940					
01	BKN	055				59	53	56	81	0	00	29.14	30.10	01	BKN	035					70	67	68	90	0	00	28.82	29.75							
04	FEW	NC				57	53	55	87	0	00	29.11	30.06	04	OVC	044					70	65	67	84	0	00	28.80	29.73							
07	CLR	NC				60	53	56	78	3	VR	29.12	30.07	07	BKN	046					71	66	68	84	3	22	28.84	29.76							
10	CLR	NC				74	56	63	54	10	21	29.09	30.04	10	OVC	020					70	68	69	93	9	21	28.88	29.82							
13	CLR	NC				85	56	67	37	7	VR	29.02	29.95	13	BKN	037					79	69	72	72	13	20	28.81	29.73							
16	CLR	NC				88	54	67	31	6	VR	28.95	29.88	16	SCT	NC					82	66	71	58	10	21	28.75	29.67							
19	CLR	NC				82	54	65	38	5	VR	28.92	29.85	19	OVC	038					70	67	68	90	6	VR	28.82	29.76							
22	CLR	NC				71	57	63	61	0	00	28.95	29.87	22	CLR	NC					68	67	67	96	0	00	28.86	29.80							
SUNRISE: 0530						MAY 16						SUNSET: 1936						SUNRISE: 0526						MAY 22						SUNSET: 1941					
01	CLR	NC				66	57	61	73	0	00	28.94	29.86	01	BKN	090					67	66	66	97	0	00	28.85	29.78							
04	CLR	NC				66	57	61	73	5	VR	28.92	29.84	04	OVC	049					66	65	65	96	0	00	28.81	29.74							
07	CLR	NC				66	59	62	78	3	VR	28.94	29.86	07	OVC	036					65	64	64	97	5	21	28.84	29.78							
10	CLR	NC				80	61	68	52	7	VR	28.92	29.85	10	OVC	026					63	61	62	93	7	VR	28.82	29.76							
13	CLR	NC				86	56	67	36	8	27	28.88	29.80	13	BKN	070					62	52	56	70	0	00	28.93	29.88							
16	CLR	NC				86	59	69	40	10	22	28.83	29.75	16	BKN	070					69	45	56	42	6	26	28.92	29.86							
19	CLR	NC				82	59	67	46	3	VR	28.83	29.76	19	CLR	NC					65	44	54	47	0	00	28.97	29.91							
22	BKN	110				75	60	66	60	3	27	28.89	29.80	22	CLR	NC					53	50	51	89	0	00	29.00	29.97							
SUNRISE: 0530						MAY 17						SUNSET: 1937						SUNRISE: 0526						MAY 23						SUNSET: 1941					
01	CLR	NC				71	59	64	66	5	20	28.89	29.81	01	CLR	NC					49	48	48	97	0	00	29.00	29.96							
04	CLR	NC				68	59	63	73	0	00	28.91	29.83	04	CLR	NC					47	46	46	97	0	00	28.98	29.94							
07	CLR	NC				68	58	62	70	0	00	28.94	29.87	07	CLR	NC					49	46	47	90	0	00	28.99	29.96							
10	FEW	NC				77	60	66	56	7	19	28.99	29.91	10	FEW	NC					65	46	55	51	6	VR	28.98	29.93							
13	CLR	NC				87	62	71	43	9	27	28.95	29.86	13	FEW	NC					72	42	56	34	9	22	28.94	29.90							
16	CLR	NC				88	60	70	39	8	22	28.92	29.84	16	OVC	075					68	46	56	45	3	VR	28.91	29.87							
19	CLR	NC				84	61	69	46	6	21	28.90	29.82	19	SCT	NC					61	53	57	75	3	VR	28.90	29.87							
22	CLR	NC				72	63	66	73	0	00	28.95	29.88	22	CLR	NC					54	53	53	97	0	00	28.93	29.89							
SUNRISE: 0529						MAY 18						SUNSET: 1938						SUNRISE: 0525						MAY 24						SUNSET: 1942					
01	CLR	NC				69	62	65	78	3	22	28.97	29.90	01	VV	001					53	53	53	100	3	07	28.92	29.87							
04	CLR	NC				66	62	64	87	3	22	28.96	29.88	04	OVC	001					51	50	51	96	3	VR	28.87	29.82							
07	CLR	NC				67	60	63	79	3	22	28.99	29.92	07	OVC	030					54	53	53	97	0	00	28.93	29.89							
10	CLR	NC				78	62	68	58	7	VR	29.02	29.94	10	OVC	014					58	56	57	93	7	VR	28.91	29.87							
13	CLR	NC				87	59	69	39	9	23	28.98	29.90	13	SCT	NC					70	57	62	64	10	21	28.87	29.82							
16	FEW	NC				88	59	69	38	13	21	28.93	29.85	16	BKN	085					71	55	62	57	9	23	28.87	29.83							
19	CLR	NC				83	59	68	44	10	20	28.90	29.83	19	BKN	090					65	54	59	68	7	VR	28.88	29.84							
22	CLR	NC				75	59	65	58	3	23	28.94	29.86	22	OVC	025					59	53	56	81	3	VR	28.94	29.89							

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

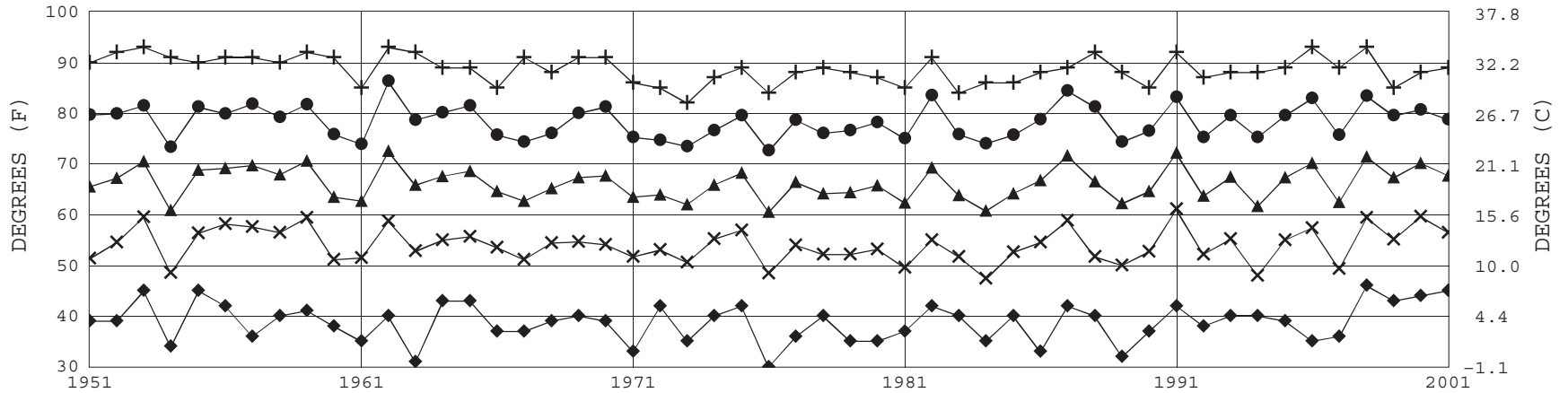
MAY 2001

QQT

WBAN # 53868

HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)		HOUR (LST)	SKY COVER		CEILING 100'S OF FT	SATELLITE		WEATHER	TEMPERATURE °F				WIND		PRESSURE (INCHES,HG)			
				OBSERVATION TIME (LST)	EFF CLD AMT Okltas		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 Okltas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL
SUNRISE: 0525							MAY 25							SUNSET: 1943																	
01	OVC	026			10.00		58	54	56	87	3	09	28.92	29.87	01	CLR	NC			7.00			61	57	59	87	0	00	29.09	30.03	
04	OVC	070			10.00		57	55	56	93	0	00	28.92	29.86	04	CLR	NC			4.00	BR		58	56	57	93	0	00	29.07	30.01	
07	SCT	NC			10.00		57	54	55	90	3	21	28.96	29.91	07	OVC	070			4.00	-RA BR		61	58	59	90	0	00	29.10	30.05	
10	CLR	NC			10.00		64	46	54	52	8	25	29.02	29.97	10	OVC	006			3.00	-RA BR		62	60	61	93	0	00	29.11	30.07	
13	BKN	055			10.00		67	44	55	44	5	VR	29.02	29.97	13	SCT	NC			7.00			69	62	65	78	6	07	29.08	30.02	
16	FEW	NC			10.00		70	42	55	37	9	24	29.00	29.95	16	BKN	027			10.00			73	62	66	69	0	00	29.00	29.94	
19	CLR	NC			10.00		67	44	55	44	6	22	29.01	29.96	19	CLR	NC			9.00			73	64	67	74	0	00	28.95	29.89	
22	FEW	NC			10.00		58	49	53	72	0	00	29.05	30.01	22	BKN	055			8.00			69	65	66	87	0	00	28.95	29.89	
SUNRISE: 0524							MAY 26							SUNSET: 1944																	
01	CLR	NC			10.00		52	49	50	89	0	00	29.05	30.00	3-HOURLY OBSERVATION NOTES																
04	CLR	NC			10.00		48	47	47	96	0	00	29.03	29.98	Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8,																
07	CLR	NC			10.00		52	48	50	86	0	00	29.06	30.01	SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, VV = Vertical Visibility = 8/8.																
10	CLR	NC			10.00		66	47	56	50	6	21	29.05	30.00	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																
13	FEW	NC			10.00		72	48	59	43	9	18	29.01	29.96	NC = No ceiling detected.																
16	BKN	065			10.00		74	47	59	38	9	22	28.96	29.91	& = Original observation contained additional weather elements.																
19	CLR	NC			10.00		71	46	57	41	6	20	28.93	29.88	See page 3 for additional notes.																
22	BKN	100			10.00		64	47	55	54	0	00	28.95	29.90																	
SUNRISE: 0524							MAY 27							SUNSET: 1944																	
01	OVC	080			10.00	-RA	60	52	56	75	0	00	28.93	29.87																	
04	SCT	NC			10.00		56	52	54	87	0	00	28.90	29.85																	
07	CLR	NC			10.00		58	53	55	84	3	VR	28.94	29.88																	
10	CLR	NC			10.00		71	53	61	53	6	VR	28.94	29.88																	
13	BKN	095			10.00		77	46	60	33	14	24	28.91	29.85																	
16	SCT	NC			10.00		79	49	62	35	10	26	28.88	29.82																	
19	FEW	NC			10.00		75	53	62	46	6	VR	28.88	29.82																	
22	SCT	NC			10.00		65	61	63	87	0	00	28.91	29.85																	
SUNRISE: 0523							MAY 28							SUNSET: 1945																	
01	BKN	120			10.00		62	60	61	93	3	01	28.90	29.84																	
04	OVC	048			10.00		61	59	60	93	0	00	28.89	29.83																	
07	OVC	100			10.00		62	60	61	93	0	00	28.94	29.88																	
10	OVC	014			10.00		65	61	63	87	0	00	28.99	29.93																	
13	OVC	022			10.00		67	63	64	87	6	VR	29.00	29.95																	
16	OVC	015			8.00	-RA	67	65	66	93	3	VR	28.98	29.93																	
19	FEW	NC			10.00		65	62	63	90	6	20	28.95	29.89																	
22	OVC	070			10.00		64	63	63	96	0	00	28.99	29.94																	
SUNRISE: 0523							MAY 29							SUNSET: 1946																	
01	CLR	NC			4.00	BR	62	61	61	96	0	00	28.98	29.93																	
04	VV	001			0.50	FG	60	60	60	100	0	00	28.99	29.93																	
07	OVC	001			1.00	BR	60	60	60	100	3	VR	29.03	29.98																	
10	CLR	NC			10.00		71	58	63	63	6	10	29.05	29.99																	
13	BKN	060			10.00		75	51	61	43	8	06	29.05	29.98																	
16	SCT	NC			10.00		79	52	63	39	6	VR	29.04	29.98																	
19	SCT	NC			10.00		74	54	62	50	0	00	29.05	29.99																	
22	CLR	NC			9.00		62	58	60	86	0	00	29.08	30.03																	
SUNRISE: 0522							MAY 30							SUNSET: 1946																	
01	CLR	NC			7.00		58	55	56	90	0	00	29.10	30.05																	
04	CLR	NC			4.00	BR	54	53	53	97	0	00	29.09	30.04																	
07	CLR	NC			4.00	BR	56	54	55	93	0	00	29.12	30.08																	
10	CLR	NC			10.00		73	54	62	51	6	VR	29.13	30.08																	
13	CLR	NC			10.00		79	51	63	38	3	11	29.13	30.08																	
16	FEW	NC			10.00		78	51	62	39	3	VR	29.10	30.05																	
19	CLR	NC			10.00		75	55	63	50	5	VR	29.08	30.03																	
22	CLR	NC			10.00		66	58	61	75	0	00	29.09	30.03																	

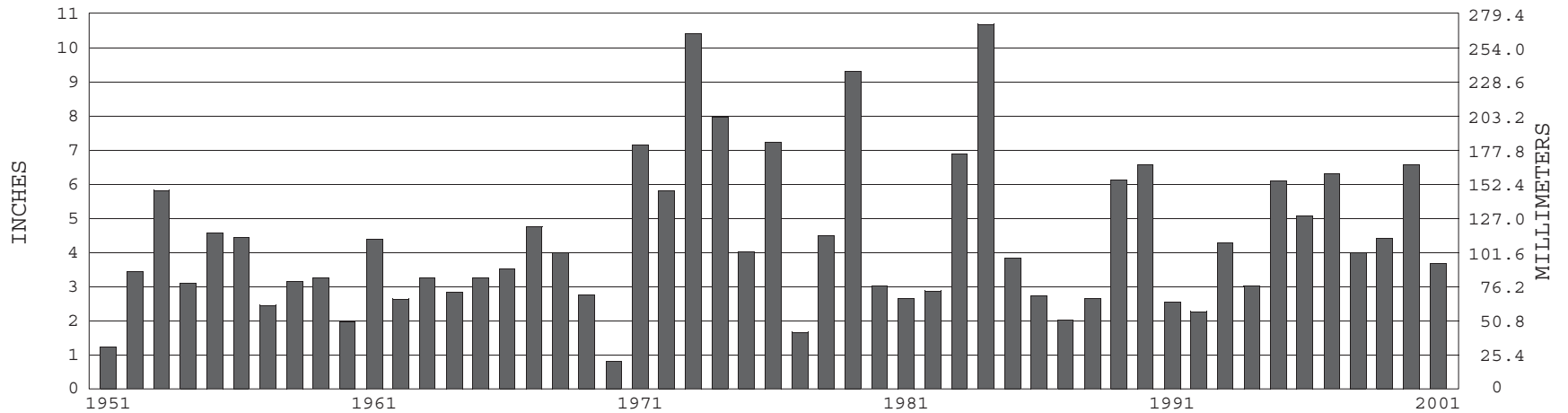
### OAK RIDGE, TN MAY TEMPERATURES



+ Extreme Max.      ● Mean Max.      ▲ Mean      × Mean Min.      ◆ Extreme Min.

Long-Term (1951-2001) Mean: 66.2      1961-1990 Normal: 64.9

### OAK RIDGE, TN MAY PRECIPITATION



Long-Term (1951-2001) Mean Monthly Total: 4.36

1961-1990 Normal: 4.68



**MAY 2001  
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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