



# MAY 2003

## 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 2003  
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	83	60	72	11	61	64	0	7	RA BR HZ				0.08	28.99	29.93	1.3	26	2.8	30	28	22	26	01																															
02	73	57	65	3	61	62	0	0	RA FG+ BR HZ				0.33	28.97	29.91	1.2	22	3.3	25	26	20	27	02																															
03	78	55	67	5	56	60	0	2	FG+ BR HZ				0.00	29.03	29.98	0.6	02	3.1	21	28	14	28	03																															
04	76	48	62*	0	48	55	3	0	BR HZ				0.00	29.04	30.00	0.8	07	1.6	12	06	9	06	04																															
05	68	61	65	2	61	62	0	0	RA FG+ BR				2.13	28.92	29.87	2.5	20	4.6	22	23	14	23	05																															
06	73	61	67	4	63	64	0	2	RA FG BR				1.29	28.98	29.93	1.1	16	3.1	22	20	15	18	06																															
07	69	62	66	3	64	64	0	1	RA FG+ BR				1.01	29.04	29.98	0.5	21	2.5	16	26	13	26	07																															
08	83	66	75	12	68	70	0	10	BR HZ				0.00	29.05	29.99	1.5	24	3.9	18	24	14	22	08																															
09	86	69	78	14	69	72	0	13	BR HZ				0.00	29.02	29.95	4.5	23	4.8	21	22	16	22	09																															
10	87*	68	78*	14	68	71	0	13	BR HZ				0.00	28.96	29.88	4.9	22	5.7	24	21	16	22	10																															
11	80	63	72	8	59	65	0	7	RA FG+ BR				0.89	28.91	29.83	5.8	24	7.6	36*	31	25*	29	11																															
12	73	55	64	-1	44	54	1	0					0.00	29.06	30.01	5.7	26	6.6	26	29	17	28	12																															
13	78	47*	63	-2	46	54	2	0					0.00	29.11	30.07	1.1	29	2.6	18	28	13	26	13																															
14	74	56	65	0	55	59	0	0	RA				T	29.03	29.98	1.9	23	3.8	17	22	12	22	14																															
15	74	59	67	2	60	62	0	2	RA FG+ BR HZ				1.15	28.98	29.92	0.6	25	4.0	33	33	23	33	15																															
16	79	57	68	2	63	64	0	3	RA FG+ BR HZ				0.63	29.03	29.98	0.3	10	1.5	12	36	9	15	16																															
17	79	61	70	4	64	65	0	5	RA FG+ BR HZ				0.94	29.05	29.99	1.6	07	2.8	29	29	18	28	17																															
18	81	62	72	6	64	66	0	7	RA BR				0.03	29.06	30.00	2.2	08	3.5	16	19	12	19	18																															
19	81	60	71	5	63	66	0	6	RA BR				0.55	29.14	30.08	1.5	07	2.4	14	20	10	07	19																															
20	73	64	69	2	61	64	0	4	BR				0.00	29.23	30.18	1.8	23	3.5	12	22	9	21	20																															
21	74	63	69	2	63	64	0	4	RA BR				0.71	29.16	30.11	1.0	04	1.9	10	08	9	08	21																															
22	78	62	70	3	61	63	0	5	RA BR HZ				0.03	29.07	30.02	1.6	05	3.0	14	10	10	06	22																															
23	77	59	68	0	58	62	0	3	BR HZ				0.00	29.05	29.99	1.9	36	3.1	20	27	14	34	23																															
24	75	54	65	-3	51	57	0	0	BR HZ				0.00	29.02	29.97	0.6	18	1.5	12	19	8	14	24																															
25	73	55	64	-4	54	57	1	0	RA BR HZ				0.07	28.98	29.93	0.3	19	1.7	13	26	10	19	25																															
26	74	58	66	-2	54	58	0	1	BR HZ				0.00	29.03	29.98	2.9	04	4.1	13	05	10	07	26																															
27	75	54	65	-4	52	57	0	0	BR HZ				0.00	29.09	30.04	0.5	03	2.2	15	35	10	32	27																															
28	79	52	66	-3	51	58	0	1	RA BR HZ				0.01	29.04	29.98	2.4	26	4.0	17	28	12	29	28																															
29	72	55	64	-5	55	59	1	0	RA BR HZ				0.15	28.84	29.79	2.9	27	4.9	25	29	17	27	29																															
30	79	52	66	-3	52	58	0	1	BR HZ				0.00	28.84	29.79	2.1	26	3.8	18	27	14	29	30																															
31	82	61	72	2	55	61	0	7	RA HZ				0.01	28.74	29.67	4.6	29	7.1	29	27	20	30	31																															
77.0											58.6	67.8	■ ■	58.2	61.8	0.3	3.4	< MONTHLY AVERAGES		TOTALS-->		10.01	29.01	29.96	1.0	26	3.6	<-- MONTHLY AVERAGES																										
- .8											5.2	2.2	■ ■	-----DEPARTURE FROM NORMAL----->											4.87	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3																												
DEGREE DAYS											GREATEST 24-HR PRECIPITATION: 2.80 DATE :05-06											SEA LEVEL PRESSURE DATE TIME																																
MONTHLY TOTAL DEPARTURE											GREATEST 24-HR SNOWFALL: DATE :											MAXIMUM : 30.23 20 0853																																
SEASON TO DATE TOTAL DEPARTURE											GREATEST SNOWFALL: DATE :											MINIMUM : 29.56 31 1053																																
HEATING: 8 -72 3617 -370											NUMBER OF DAYS WITH →											MAXIMUM TEMP ≥ 90: 0											MINIMUM TEMP ≤ 32: 0											PRECIPITATION ≥ 0.01 INCH : 17										
COOLING: 104 9 128 12																						MAXIMUM TEMP ≤ 32 : 0											MINIMUM TEMP ≤ 0 : 0											PRECIPITATION ≥ 0.10 INCH : 11										
																						THUNDERSTORMS : 0											HEAVY FOG : 8											SNOWFALL ≥ 1.0 INCH :										

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

MAY 2003

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							0.02	0.06				01		0.08	
02												0.02	02	0.31											02		0.33	
03													03												03		0.00	
04													04												04		0.00	
05			0.02	T	T	0.01	0.09	0.23	0.19	0.02		0.11	05	T	T		0.41	0.23	0.50	0.10	0.04	0.04	0.08	0.06	05		2.13	
06	0.05	0.02	0.01	0.02	0.06	0.07	0.12	0.25	0.19	0.16	0.28	0.06	06												06		1.29	
07		T	0.04	0.11	0.12	0.28	0.11	0.01	0.01	T		0.01	07	0.26	0.05	0.01									07		1.01	
08													08												08		0.00	
09													09												09		0.00	
10													10												10		0.00	
11								0.67	0.19	0.03			11												11		0.89	
12													12												12		0.00	
13													13												13		0.00	
14						T	T						14												14		T	
15												T	15			0.60	T	0.55	T					15		1.15		
16						0.55	0.04	0.01	0.10	0.01	0.12	T	16			T	0.04	T	0.02					16		0.63		
17							0.07	0.01	0.10	0.01	0.12	T	17	T		0.58	0.03							17		0.94		
18					T		T	0.03	T	T	T		18												18		0.03	
19													19							T	0.09	0.45	0.01		19		0.55	
20													20												20		0.00	
21	0.01	0.05	0.01	0.01	0.10	0.16	0.11	0.11	0.09	0.02	0.02	0.02	21	T										21		0.71		
22					0.02	0.01							22												22		0.03	
23													23												23		0.00	
24													24												24		0.00	
25													25		T	0.06	0.01	T	T					25		0.07		
26													26												26		0.00	
27													27												27		0.00	
28													28									T	0.01		28		0.01	
29		0.10	0.03		0.01	0.01							29												29		0.15	
30													30												30		0.00	
31				T	T	0.01							31												31		0.01	

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.38	.56	.60	.60	.60	.69	.74	.82	.86	1.09	1.15	1.21
Ending Date	11	15	15	15	15	11	11	11	11	15	15	05
Ending Time (Hour/Min)	0620	1548	1550	1550	1550	0659	0713	0733	0744	1738	1745	1921

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 MAY 2003

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:

DATE	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR–SS		MN–MN		MINIMUM	MAXIMUM	
			CEILOMETER	SATELLITE	CEILOMETER	SATELLITE			
01							2.50	10.00	
02							.25	10.00	
03							.25	10.00	
04							2.50	10.00	
05							.25	10.00	
06							.50	10.00	
07							.25	10.00	
08							2.50	6.00	
09							1.50	8.00	
10							2.50	9.00	
11							.25	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							8.00	10.00	
15							<.25	8.00	
16							<.25	5.00	
17							.25	7.00	
18							1.75	10.00	
19							.75	10.00	
20							5.00	10.00	
21							1.00	10.00	
22							2.50	10.00	
23							2.50	10.00	
24							1.50	10.00	
25							1.75	10.00	
26							2.50	10.00	
27							3.00	10.00	
28							4.00	10.00	
29							1.50	10.00	
30							2.00	10.00	
31							6.00	10.00	
<b>MONTHLY AVGS</b>							2.88	9.45	
<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 6                    24                    4									



# OBSERVATIONS AT 3-HOURLY INTERVALS

## OAK RIDGE, TN

MAY 2003

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 Oktas	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG		STATION	SEA LEVEL		OBSERVATION TIME (LST)	EFF CLD AMT Oktas	RELATIVE HUMIDITY (PCT)	DRY BULB	DEW POINT	WET BULB	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL		
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0533</b></span> <span><b>MAY 13</b></span> <span><b>SUNSET: 1933</b></span> </div>																											
01	CLR	NC		10.00		55	45	50	69	0	00	29.12	30.08	01	CLR	NC		7.00		66	63	64	90	0	00	29.08	30.02
04	CLR	NC		10.00		49	46	47	90	0	00	29.13	30.09	04	CLR	NC		8.00		61	60	60	97	0	00	29.09	30.04
07	CLR	NC		10.00		52	46	49	80	0	00	29.16	30.13	07	OVC	016		7.00		62	60	61	93	0	00	29.14	30.09
10	CLR	NC		10.00		66	44	54	45	0	00	29.15	30.11	10	BKN	018		10.00		70	61	64	73	8	06	29.16	30.11
13	CLR	NC		10.00		74	41	56	31	7	VR	29.10	30.06	13	OVC	055		10.00		76	65	69	69	7	05	29.14	30.09
16	CLR	NC		10.00		77	43	58	30	10	32	29.06	30.01	16	FEW	NC		10.00		78	64	69	62	0	00	29.13	30.07
19	CLR	NC		10.00		73	48	59	41	3	VR	29.07	30.02	19	OVC	036		10.00		77	65	69	66	3	36	29.12	30.06
22	CLR	NC		10.00		62	51	56	67	0	00	29.08	30.03	22	OVC	024		3.00 -RA BR		69	67	68	93	3	VR	29.18	30.12
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0532</b></span> <span><b>MAY 14</b></span> <span><b>SUNSET: 1934</b></span> </div>																											
01	CLR	NC		10.00		58	52	55	81	0	00	29.08	30.03	01	OVC	016		6.00 BR		67	65	66	93	5	VR	29.18	30.12
04	CLR	NC		9.00		56	53	54	90	0	00	29.07	30.01	04	OVC	025		8.00		65	63	64	93	0	00	29.22	30.16
07	FEW	NC		9.00		59	53	56	81	0	00	29.08	30.02	07	OVC	048		7.00		64	62	63	93	5	17	29.25	30.20
10	BKN	100		10.00		67	53	59	61	5	17	29.06	30.01	10	OVC	019		10.00		66	59	62	78	5	VR	29.27	30.22
13	FEW	NC		10.00		71	56	62	59	7	29	29.05	30.00	13	OVC	023		10.00		71	60	64	68	8	26	29.25	30.20
16	CLR	NC		10.00		72	54	61	53	9	24	28.98	29.93	16	BKN	036		10.00		71	61	65	71	6	VR	29.22	30.17
19	OVC	042		10.00		68	54	60	61	6	VR	28.97	29.92	19	OVC	036		9.00		68	61	64	78	0	00	29.21	30.16
22	OVC	050		10.00		65	57	60	76	6	24	29.01	29.95	22	OVC	032		9.00		67	61	63	81	3	21	29.22	30.17
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0532</b></span> <span><b>MAY 15</b></span> <span><b>SUNSET: 1935</b></span> </div>																											
01	OVC	030		8.00		64	57	60	78	3	VR	29.01	29.95	01	OVC	033		2.50 -RA BR		64	63	63	96	0	00	29.20	30.15
04	OVC	010		6.00 BR		62	59	60	90	5	VR	28.99	29.93	04	OVC	029		6.00 BR		64	63	63	96	3	25	29.17	30.12
07	OVC	010		4.00 BR		63	59	61	87	5	22	28.99	29.93	07	OVC	006		1.25 RA BR		64	63	63	96	0	00	29.19	30.15
10	OVC	015		5.00 BR		64	60	62	87	5	21	29.01	29.95	10	OVC	013		5.00 -RA BR		65	63	64	93	0	00	29.20	30.15
13	BKN	025		6.00 HZ		71	61	65	71	8	24	28.96	29.90	13	SCT	NC		10.00		68	65	66	90	6	35	29.18	30.13
16	OVC	035		0.25 RA		62	56	59	81	9	34	28.93	29.88	16	FEW	NC		10.00		73	62	66	69	5	VR	29.13	30.08
19	CLR	NC		5.00 BR		63	61	62	93	6	09	28.94	29.89	19	CLR	NC		10.00		71	61	65	71	0	00	29.10	30.05
22	BKN	100		2.50 BR		61	61	61	100	0	00	29.00	29.95	22	CLR	NC		9.00		65	61	63	87	5	VR	29.13	30.09
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0531</b></span> <span><b>MAY 16</b></span> <span><b>SUNSET: 1936</b></span> </div>																											
01	VV	001		<.25 FG		58	58	58	100	0	00	29.00	29.95	01	CLR	NC		6.00 BR		62	59	60	90	0	00	29.08	30.04
04	VV	001		0.25 FG		58	57	57	97	0	00	28.99	29.95	04	OVC	015		7.00		63	60	61	90	3	06	29.08	30.02
07	OVC	013		3.00 BR		60	59	59	96	0	00	29.04	29.99	07	OVC	015		5.00 BR		63	60	61	90	0	00	29.10	30.05
10	OVC	016		4.00 BR		65	62	63	90	0	00	29.05	30.00	10	OVC	015		9.00		67	60	63	79	5	VR	29.09	30.04
13	OVC	016		4.00 HZ		73	65	68	76	0	00	29.06	30.00	13	BKN	022		10.00		73	62	66	69	0	00	29.07	30.01
16	SCT	NC		4.00 -RA		76	68	71	77	3	33	29.04	29.98	16	SCT	NC		10.00		75	61	66	62	3	VR	29.03	29.97
19	FEW	NC		3.00 BR		69	66	67	90	3	VR	29.02	29.97	19	BKN	040		10.00		73	63	67	71	3	VR	29.04	29.98
22	CLR	NC		3.00 BR		65	63	64	93	3	VR	29.04	29.99	22	CLR	NC		6.00 HZ		65	60	62	84	5	07	29.07	30.01
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0530</b></span> <span><b>MAY 17</b></span> <span><b>SUNSET: 1936</b></span> </div>																											
01	CLR	NC		1.75 BR		64	63	63	96	0	00	29.04	29.98	01	OVC	080		6.00 HZ		63	58	60	84	0	00	29.06	30.00
04	OVC	002		0.25 FG		62	61	61	96	0	00	29.05	29.99	04	SCT	NC		4.00 BR		60	58	59	93	0	00	29.06	30.00
07	OVC	003		1.50 -RA BR		62	61	61	96	0	00	29.05	30.00	07	OVC	085		4.00 BR		62	58	60	86	0	00	29.07	30.01
10	OVC	041		2.50 BR		67	65	66	93	0	00	29.07	30.01	10	SCT	NC		10.00		69	59	63	70	0	00	29.07	30.01
13	BKN	049		4.00 HZ		74	67	69	79	3	VR	29.04	29.98	13	FEW	NC		10.00		76	59	65	56	7	29	29.04	29.97
16	CLR	NC		4.00 HZ		77	70	72	79	5	VR	28.99	29.92	16	CLR	NC		4.00 HZ		72	59	64	64	8	01	29.03	29.97
19	BKN	065		6.00 BR		65	64	64	97	3	VR	29.05	30.00	19	CLR	NC		4.00 HZ		70	57	62	64	3	02	29.02	29.96
22	BKN	011		5.00 BR		65	64	64	97	3	05	29.08	30.03	22	BKN	049		7.00		66	52	58	61	3	36	29.06	30.00
<div style="display: flex; justify-content: space-between;"> <span><b>SUNRISE: 0529</b></span> <span><b>MAY 18</b></span> <span><b>SUNSET: 1937</b></span> </div>																											
01	FEW	NC		7.00		63	62	62	97	0	00	29.05	29.99	01	CLR	NC		3.00 BR		58	55	56	90	0	00	29.04	29.98
04	FEW	NC		8.00		63	61	62	93	5	07	29.04	29.97	04	SCT	NC		2.50 BR		55	53	54	93	0	00	29.03	29.98
07	OVC	050		8.00 -RA		63	60	61	90	0	00	29.08	30.03	07	CLR	NC		3.00 BR		55	52	53	90	0	00	29.06	30.01
10	BKN	048		10.00		66	62	64	87	8	07	29.10	30.05	10	CLR	NC		10.00		67	49	57	53	3	VR	29.06	30.00
13	FEW	NC		10.00		73	66	69	79	9	06	29.07	30.01	13	SCT	NC		10.00		73	47	58	40	3	VR	29.03	29.97
16	SCT	NC		10.00		80	67	71	64	8	19	29.01	29.95	16	SCT	NC		10.00		75	49	60	40	0	00	28.99	29.93
19	OVC	065		7.00		74	70	71	88	3	06	29.02	29.96	19	CLR	NC		10.00		70	52	60	53	0	00	28.98	29.93
22	OVC	018		7.00		72	68	69	87	0	00	29.08	30.03	22	CLR	NC		10.00		61	54	57	78	0	00	29.02	29.97

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2003

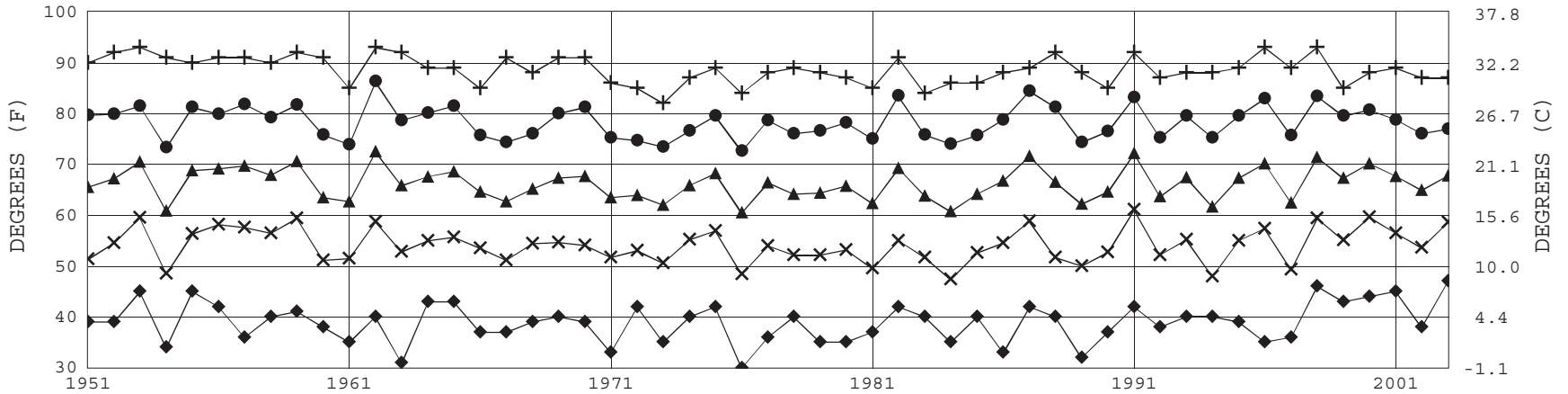
QQT

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: 0525								MAY 25								SUNSET: 1943								SUNRISE: 0522								MAY 31								SUNSET: 1947							
01	CLR	NC				8.00		56	52	54	87	0	00	29.01	29.95	01	FEW	NC				10.00		63	54	58	73	0	00	28.76	29.70																
04	BKN	110				8.00		56	51	53	84	0	00	28.99	29.93	04	OVC	065				10.00		65	55	59	70	5	24	28.69	29.61																
07	BKN	120				6.00	HZ	57	52	54	83	0	00	28.99	29.94	07	FEW	NC				8.00		65	57	60	76	3	VR	28.67	29.59																
10	BKN	095				10.00		65	52	58	63	5	VR	28.99	29.94	10	OVC	034				7.00		70	61	64	73	7	VR	28.64	29.57																
13	SCT	NC				10.00		72	54	61	53	6	22	28.96	29.91	13	BKN	075				9.00		80	56	65	44	10	29	28.68	29.60																
16	SCT	NC				8.00	-RA	62	56	59	81	0	00	28.97	29.93	16	OVC	080				10.00		76	52	62	43	13	27	28.76	29.69																
19	OVC	033				5.00	BR	62	58	60	86	0	00	28.95	29.91	19	BKN	060				10.00		72	53	61	52	6	VR	28.80	29.74																
22	OVC	021				6.00	BR	61	57	59	87	0	00	28.99	29.94	22	CLR	NC				10.00		66	51	58	59	12	35	28.89	29.83																
SUNRISE: 0524								MAY 26								SUNRISE: 1943								3-HOURLY OBSERVATION NOTES																							
01	OVC	023				6.00	BR	60	57	58	90	5	07	28.99	29.93	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	OVC	023				5.00	BR	59	56	57	90	0	00	28.99	29.94	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	OVC	016				4.00	BR	59	55	57	87	5	05	29.03	29.98	NC= No ceiling detected.																															
10	OVC	038				7.00		64	55	59	73	5	VR	29.06	30.01	& = Original observation contained additional weather elements.																															
13	OVC	049				9.00		68	54	60	61	5	VR	29.05	30.00	See page 3 for additional notes.																															
16	SCT	NC				10.00		72	53	61	52	6	VR	29.01	29.96																																
19	FEW	NC				6.00	HZ	67	53	59	61	7	35	29.02	29.97																																
22	BKN	055				7.00		61	54	57	78	0	00	29.08	30.03																																
SUNRISE: 0524								MAY 27								SUNRISE: 1944								SUMMARY BY HOUR																							
01	BKN	048				6.00	HZ	59	53	56	81	0	00	29.06	30.01	AVERAGES																															
04	FEW	NC				4.00	BR	54	52	53	93	0	00	29.06	30.01	RESULTANT WIND (MPH)																															
07	FEW	NC				3.00	HZ	57	52	54	83	0	00	29.10	30.06	HOUR (LST)																															
10	FEW	NC				7.00		68	52	59	57	5	VR	29.11	30.07	CEILOMETER																															
13	BKN	050				8.00		71	50	59	47	3	VR	29.10	30.06	EFF CLD AMT																															
16	FEW	NC				9.00		73	49	59	43	5	21	29.08	30.04	DRY BULB																															
19	BKN	065				10.00		72	51	60	48	0	00	29.08	30.03	DEW POINT																															
22	CLR	NC				6.00	HZ	60	55	57	84	0	00	29.11	30.07	WET BULB																															
SUNRISE: 0523								MAY 28								SUNRISE: 1945								RELATIVE HUMIDITY																							
01	FEW	NC				4.00	BR	57	55	56	93	0	00	29.12	30.08	PRESSURE (INCHES, HG)																															
04	CLR	NC				7.00		54	52	53	93	0	00	29.10	30.06	STATION																															
07	CLR	NC				7.00		57	52	54	83	3	VR	29.12	30.07	SEA LEVEL																															
10	CLR	NC				10.00		72	52	60	50	9	27	29.10	30.05	VISIBILITY (MILES)																															
13	SCT	NC				10.00		77	47	60	35	3	VR	29.06	30.00	WIND SPEED (MPH)																															
16	CLR	NC				10.00		78	47	60	33	6	VR	28.99	29.93	SPEED																															
19	CLR	NC				9.00		75	51	61	43	3	25	28.95	29.89	DIRECTION																															
22	BKN	110				10.00		67	53	59	61	8	26	28.94	29.88																																
SUNRISE: 0523								MAY 29								SUNRISE: 1945																															
01	OVC	075				7.00		62	58	60	86	0	00	28.85	29.78																																
04	CLR	NC				4.00	BR	59	58	58	96	0	00	28.82	29.76																																
07	CLR	NC				2.00	BR	60	58	59	93	6	VR	28.82	29.76																																
10	CLR	NC				9.00		68	57	61	68	9	26	28.81	29.75																																
13	OVC	046				10.00		69	51	59	53	8	30	28.83	29.77																																
16	OVC	042				7.00		66	53	59	63	9	27	28.85	29.80																																
19	OVC	095				6.00	HZ	64	55	59	73	6	VR	28.87	29.82																																
22	CLR	NC				6.00	BR	60	57	58	90	0	00	28.89	29.84																																
SUNRISE: 0523								MAY 30								SUNRISE: 1946																															
01	CLR	NC				4.00	BR	54	53	53	97	0	00	28.87	29.82																																
04	CLR	NC				4.00	BR	54	52	53	93	0	00	28.87	29.82																																
07	CLR	NC				3.00	BR	55	52	53	90	0	00	28.88	29.83																																
10	CLR	NC				10.00		69	53	60	57	8	26	28.88	29.83																																
13	CLR	NC				10.00		77	54	63	45	6	VR	28.85	29.80																																
16	CLR	NC				10.00		78	48	61	35	8	27	28.83	29.77																																
19	CLR	NC				10.00		75	50	61	42	5	27	28.80	29.74																																
22	CLR	NC				10.00		64	54	58	70	0	00	28.80	29.74																																



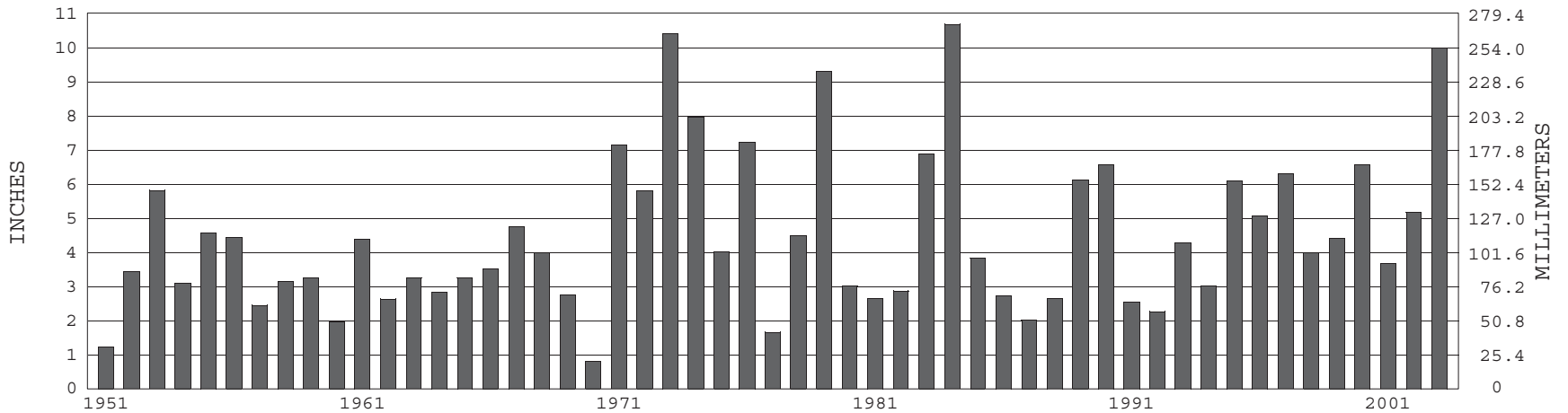
### OAK RIDGE, TN MAY TEMPERATURES



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

Long-Term (1951-2003) Mean: 66.2      1961-1990 Normal: 65.6

### OAK RIDGE, TN MAY PRECIPITATION



Long-Term (1951-2003) Mean Monthly Total: 4.48

1961-1990 Normal: 5.14



MAY 2003

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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