



# MAY 2002

## 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 2002  
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										
										DEPTH	WATER EQUIV	SNOW FALL	WATER EQUIV						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	70	59	65	4	63	64	0	0	RA BR				1.18	28.84	29.78	2.0	22	3.9	20	11	15	11	01						
02	80	59	70	9	65	67	0	5	RA FG BR HZ				1.37	28.81	29.74	4.0	23	5.5	32*	25	16	28	02						
03	59	53	56	-5	50	53	9	0	RA BR				0.11	29.08	30.04	2.4	05	4.6	16	06	12	05	03						
04	59	51	55	-7	54	54	10	0	RA BR				0.30	29.15	30.12	1.9	06	2.6	12	05	9	07	04						
05	77	53	65	3	54	58	0	0	BR				0.00	29.31	30.27	1.1	08	2.7	12	08	9	06	05						
06	76	53	65	3	57	61	0	0					0.00	29.25	30.21	3.4	24	5.4	18	20	13	26	06						
07	84	66	75	13	66	68	0	10	RA BR HZ				0.02	29.14	30.08	3.2	22	5.5	24	20	16	20	07						
08	86	64	75	12	65	68	0	10	BR HZ				0.00	29.08	30.01	4.5	21	4.9	28	20	18	21	08						
09	81	66	74	11	66	68	0	9	RA FG+ BR HZ				0.35	29.08	30.01	3.1	22	4.3	25	28	16	29	09						
10	71	59	65	2	59	61	0	0	RA FG+ BR				0.09	29.28	30.24	2.7	05	4.3	15	06	12	06	10						
11	83	58	71	7	63	65	0	6					0.06	29.29	30.24	0.4	10	3.5	14	22	10	23	11						
12	81	67	74	10	66	68	0	9	BR HZ				0.00	29.21	30.15	3.7	24	5.7	21	21	15	22	12						
13	73	51	62	-2	57	60	3	0	RA FG BR				1.20	28.99	29.93	1.5	30	5.6	29	26	18*	26	13						
14	71	43	57	-8	42	49	8	0	BR				0.00	29.12	30.10	1.0	29	3.8	18	34	14	28	14						
15	74	44	59	-6	47	53	6	0	BR				0.00	29.25	30.22	0.3	17	1.5	10	17	9	18	15						
16	80	51	66	1	53	58	0	1	HZ				0.00	29.19	30.15	2.9	21	4.5	20	19	15	21	16						
17	82	59	71	6	61	64	0	6	RA BR HZ				0.21	28.95	29.88	5.3	21	6.3	22	20	16	19	17						
18	69	42	56	-9	43	47	9	0	RA BR				0.13	29.08	30.05	3.8	02	6.0	24	34	16	34	18						
19	62	38	50	-15	36	43	15	0					0.00	29.23	30.22	3.2	05	4.4	21	05	16	06	19						
20	62	38	50*	-16	36	44	15	0					0.00	29.27	30.26	0.9	03	2.6	13	06	9	05	20						
21	61	41	51	-15	36	44	14	0					0.00	29.33	30.31	1.6	04	3.6	15	05	13	06	21						
22	69	38*	54	-13	40	47	11	0	BR				0.00	29.34	30.32	1.5	07	3.1	13	05	10	07	22						
23	76	43	60	-7	46	52	5	0	BR HZ				0.00	29.23	30.20	0.7	22	1.9	12	19	9	22	23						
24	82	48	65	-2	51	57	0	0	BR HZ				0.00	29.15	30.11	1.6	19	3.0	13	19	10	20	24						
25	83	52	68	1	57	61	0	3	BR HZ				0.00	29.13	30.08	0.5	21	2.5	16	23	12	20	25						
26	81	59	70	2	61	64	0	5	RA BR HZ				T	29.15	30.09	0.3	33	1.8	22	25	15	24	26						
27	86	59	73	5	61	64	0	8	FG+ BR				0.00	29.14	30.08	1.0	15	2.7	22	18	17	20	27						
28	83	60	72	4	62	65	0	7	FG+ BR HZ				0.00	29.11	30.05	1.5	15	2.6	13	08	9	15	28						
29	86	61	74	6	61	66	0	9	FG+ BR				0.00	29.03	29.97	0.1	10	1.5	12	19	9	16	29						
30	87*	61	74	5	61	66	0	9	BR				0.00	28.95	29.88	0.6	06	2.6	16	06	12	08	30						
31	86	66	76*	7	66	69	0	11	RA BR HZ				0.16	28.94	29.87	1.1	20	2.4	16	25	13	26	31						
MONTHLY AVERAGES										TOTALS-->				<-- MONTHLY AVERAGES															
DEPARTURE FROM NORMAL														SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.44 DATE :02-03				SEA LEVEL PRESSURE				DATE TIME											
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL:				MAXIMUM				: 30.40 22 0853											
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH:				MINIMUM				: 29.67 02 1353											
HEATING: 105 9 3433 -750										NUMBER OF DAYS WITH				MAXIMUM TEMP ≥ 90: 0				MINIMUM TEMP ≤ 32: 0				PRECIPITATION ≥ 0.01 INCH : 12							
COOLING: 108 15 187 88														MAXIMUM TEMP ≤ 32 : 0				MINIMUM TEMP ≤ 0 : 0				PRECIPITATION ≥ 0.10 INCH : 9							
																		THUNDERSTORMS : 0				HEAVY FOG : 5				SNOWFALL ≥ 1.0 INCH :			

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

MAY 2002

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	0.08	0.34	0.38	0.10	0.03	0.23	0.02						01					T							01		1.18	
02	T	0.01	T	T									02					0.14	0.36	0.28	0.20	0.16	0.12	0.10	02		1.37	
03	0.05	0.02											03		T	T	0.01	0.02	0.01					T	03		0.11	
04	T	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	04							T					04		0.30	
05													05							T					05		0.00	
06													06												06		0.00	
07													07		0.02	T									07		0.02	
08													08												08		0.00	
09													09	0.04	0.05	0.05	0.04	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.01	09		0.35
10													10		T	0.01	0.02	0.01	0.01		0.01	0.01	0.01	T	10	0.07	0.09	
11	0.01			0.01				0.01					11				0.01							0.01	11		0.06	
12													12												12		0.00	
13													13												13	0.00	1.20	
14													14												14		0.00	
15													15												15		0.00	
16													16												16		0.00	
17													17												17		0.21	
18	0.11	0.02	0.01	T	T								18								T	0.17	0.02	0.01	T	18	0.20	0.13
19													19												19		0.00	
20													20												20		0.00	
21													21												21		0.00	
22													22												22		0.00	
23													23												23		0.00	
24													24												24		0.00	
25													25												25		0.00	
26													26					T							26		T	
27													27												27		0.00	
28													28												28		0.00	
29													29												29		0.00	
30													30												30		0.00	
31													31	0.12	T	0.04									31		0.16	

## MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	.07	.11	.12	.13	.20	.29	.39	.51	.63	.73	.83	.90
Ending Date	31	31	31	02	01	01	01	01	01	01	01	02
Ending Time (Hour/Min)	1341	1347	1349	1836	0241	0251	0246	0253	0253	0303	0309	2032

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 2002

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							1.00	10.00	
02							.50	10.00	
03							4.00	10.00	
04							1.75	10.00	
05							4.00	10.00	
06							7.00	10.00	
07							4.00	10.00	
08							4.00	10.00	
09							.25	10.00	
10							.25	10.00	
11							7.00	10.00	
12							4.00	7.00	
13							.25	10.00	
14							5.00	10.00	
15							6.00	10.00	
16							6.00	10.00	
17							1.75	10.00	
18							2.50	10.00	
19							8.00	10.00	
20							10.00	10.00	
21							7.00	10.00	
22							6.00	10.00	
23							4.00	10.00	
24							2.50	10.00	
25							2.00	10.00	
26							2.50	10.00	
27							.25	10.00	
28							<.25	10.00	
29							<.25	10.00	
30							.75	10.00	
31							1.50	10.00	
<b>MONTHLY AVGS</b>							3.92	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									
4            12           5									

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

MAY 2002

QQT

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: 0545					MAY 01					SUNSET: 1923					SUNRISE: 0538					MAY 07					SUNSET: 1928				
01	OVC	014	2.50	RA BR	60	59	59	96	5	VR	28.93	29.87	01	OVC	030	7.00	BR	66	62	64	87	3	VR	29.19	30.14				
04	OVC	047	4.00	-RA BR	60	59	59	96	6	18	28.84	29.78	04	OVC	028	6.00	BR	67	63	64	87	3	VR	29.15	30.09				
07	OVC	100	7.00		61	60	60	97	0	00	28.89	29.84	07	SCT	NC	4.00	BR	67	64	65	91	6	23	29.18	30.13				
10	BKN	019	10.00		67	62	64	84	6	24	28.89	29.84	10	OVC	018	5.00	HZ	74	66	69	76	6	28	29.18	30.13				
13	OVC	012	10.00		67	62	64	84	3	VR	28.86	29.81	13	BKN	034	7.00		82	69	73	65	10	21	29.12	30.06				
16	OVC	008	2.00	BR	67	65	66	93	3	20	28.81	29.75	16	CLR	NC	10.00		81	68	72	65	7	VR	29.08	30.02				
19	OVC	055	4.00	BR	69	66	67	90	3	VR	28.76	29.70	19	BKN	070	10.00		80	68	72	67	6	20	29.08	30.02				
22	OVC	045	6.00	BR	69	66	67	90	3	23	28.76	29.70	22	CLR	NC	9.00		71	67	68	87	3	05	29.13	30.06				
SUNRISE: 0543					MAY 02					SUNSET: 1924					SUNRISE: 0537					MAY 08					SUNSET: 1929				
01	OVC	035	5.00	-RA BR	69	67	68	93	5	26	28.77	29.71	01	CLR	NC	7.00		66	64	65	93	0	00	29.10	30.04				
04	OVC	025	4.00	BR	68	67	67	96	0	00	28.75	29.69	04	BKN	029	6.00	BR	65	63	64	93	0	00	29.08	30.02				
07	BKN	015	3.00	BR	69	67	68	93	0	00	28.77	29.71	07	BKN	060	5.00	BR	66	64	65	93	3	VR	29.13	30.07				
10	OVC	017	5.00	HZ	72	67	69	84	9	22	28.78	29.72	10	BKN	020	7.00		74	67	69	79	3	VR	29.14	30.08				
13	OVC	032	5.00	HZ	74	67	69	79	9	25	28.77	29.70	13	BKN	044	9.00		82	66	71	58	12	20	29.08	30.01				
16	OVC	045	7.00		77	65	69	66	6	VR	28.76	29.69	16	FEW	NC	10.00		86	63	71	46	10	20	29.02	29.95				
19	OVC	044	3.00	RA BR	66	66	66	100	10	21	28.84	29.78	19	CLR	NC	9.00		81	66	71	61	10	21	29.02	29.95				
22	BKN	017	10.00		62	60	61	93	3	VR	28.95	29.89	22	FEW	NC	9.00		75	65	69	71	0	00	29.06	29.99				
SUNRISE: 0542					MAY 03					SUNSET: 1925					SUNRISE: 0536					MAY 09					SUNSET: 1930				
01	OVC	018	10.00		58	57	57	97	3	01	28.96	29.91	01	CLR	NC	6.00	BR	68	65	66	90	0	00	29.03	29.96				
04	BKN	060	10.00		54	50	52	87	6	08	29.01	29.95	04	OVC	050	7.00		69	64	66	84	3	23	29.00	29.92				
07	OVC	034	10.00		54	46	50	75	7	05	29.06	30.01	07	FEW	NC	5.00	HZ	70	65	67	84	0	00	29.05	29.98				
10	OVC	032	10.00		56	48	52	75	7	04	29.07	30.03	10	SCT	NC	9.00		79	68	72	69	14	21	29.06	29.98				
13	OVC	036	10.00		58	46	52	65	5	04	29.11	30.09	13	BKN	065	10.00		71	67	68	87	7	VR	29.08	30.02				
16	CLR	NC	10.00		57	51	54	81	6	VR	29.15	30.13	16	FEW	NC	10.00		71	66	68	84	8	20	29.08	30.01				
19	OVC	020	6.00	-RA BR	54	53	53	97	5	VR	29.08	30.06	19	SCT	NC	10.00		72	67	69	84	3	VR	29.10	30.05				
22	FEW	NC	4.00	BR	53	52	52	96	0	00	29.15	30.13	22	OVC	070	10.00		70	67	68	90	5	22	29.17	30.11				
SUNRISE: 0541					MAY 04					SUNSET: 1926					SUNRISE: 0536					MAY 10					SUNSET: 1931				
01	OVC	095	9.00	-RA	53	50	51	89	6	08	29.11	30.09	01	SCT	NC	6.00	BR	66	65	65	96	0	00	29.17	30.12				
04	OVC	065	4.00	-RA BR	52	51	52	97	3	06	29.08	30.06	04	OVC	001	3.00	BR	64	64	64	100	0	00	29.18	30.14				
07	OVC	014	4.00	-RA BR	51	50	51	96	5	VR	29.10	30.08	07	OVC	035	10.00		64	58	60	81	6	VR	29.26	30.22				
10	OVC	012	8.00	-RA	52	51	52	97	7	06	29.13	30.11	10	OVC	035	10.00		64	53	58	68	7	VR	29.32	30.27				
13	OVC	018	10.00		57	54	55	90	6	07	29.14	30.12	13	OVC	033	10.00		69	56	61	63	10	06	29.32	30.27				
16	OVC	008	4.00	BR	58	56	57	93	0	00	29.14	30.12	16	OVC	013	10.00		63	60	61	90	0	00	29.33	30.29				
19	OVC	013	4.00	BR	59	58	58	96	0	00	29.17	30.15	19	CLR	NC	10.00		62	59	60	90	3	01	29.30	30.26				
22	OVC	004	4.00	BR	58	57	57	97	0	00	29.23	30.21	22	OVC	110	10.00		60	56	58	86	0	00	29.32	30.29				
SUNRISE: 0540					MAY 05					SUNSET: 1927					SUNRISE: 0535					MAY 11					SUNSET: 1932				
01	OVC	014	4.00	BR	58	57	57	97	3	08	29.25	30.22	01	OVC	095	10.00		59	56	57	90	0	00	29.32	30.28				
04	OVC	017	6.00	BR	58	57	57	97	5	06	29.27	30.24	04	OVC	100	10.00		58	57	57	97	3	06	29.31	30.27				
07	FEW	NC	10.00		54	52	53	93	5	01	29.35	30.32	07	BKN	070	10.00		59	56	57	90	5	06	29.33	30.29				
10	CLR	NC	10.00		62	54	57	75	5	VR	29.38	30.35	10	BKN	043	10.00		68	57	62	68	6	VR	29.33	30.29				
13	CLR	NC	10.00		72	54	61	53	0	00	29.33	30.29	13	CLR	NC	10.00		79	66	70	65	3	VR	29.29	30.24				
16	CLR	NC	10.00		75	52	62	45	3	15	29.29	30.24	16	SCT	NC	10.00		82	68	73	63	6	VR	29.24	30.19				
19	CLR	NC	10.00		72	51	60	48	0	00	29.28	30.24	19	CLR	NC	8.00		80	68	72	67	5	22	29.24	30.19				
22	CLR	NC	10.00		60	55	57	84	0	00	29.31	30.27	22	OVC	044	7.00		76	69	71	79	3	VR	29.27	30.21				
SUNRISE: 0539					MAY 06					SUNSET: 1928					SUNRISE: 0534					MAY 12					SUNSET: 1933				
01	CLR	NC	10.00		56	54	55	93	0	00	29.30	30.26	01	BKN	055	7.00		72	65	67	79	5	25	29.26	30.20				
04	CLR	NC	8.00		54	52	53	93	3	22	29.27	30.23	04	CLR	NC	6.00	BR	68	64	66	87	5	VR	29.26	30.19				
07	CLR	NC	9.00		58	55	56	90	6	VR	29.29	30.25	07	BKN	060	4.00	BR	67	63	64	87	5	VR	29.28	30.22				
10	CLR	NC	10.00		68	54	60	61	7	VR	29.29	30.25	10	BKN	028	6.00	HZ	71	64	67	79	8	26	29.29	30.23				
13	BKN	044	10.00		75	54	63	48	10	22	29.23	30.18	13	OVC	028	5.00	HZ	75	67	70	76	5	29	29.24	30.18				
16	OVC	037	10.00		71	61	65	71	8	27	29.21	30.17	16	FEW	NC	6.00	HZ	81	67	72	62	8	24	29.17	30.11				
19	OVC	035	8.00		70	66	67	87	6	VR	29.20	30.16	19	CLR	NC	5.00	HZ	78	68	71	71	8	21	29.12	30.06				
22	OVC	037	9.00		68	62	64	81	0	00	29.24	30.19	22	CLR	NC	5.00	HZ	73	67	69	81	3	VR	29.08	30.03				



# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

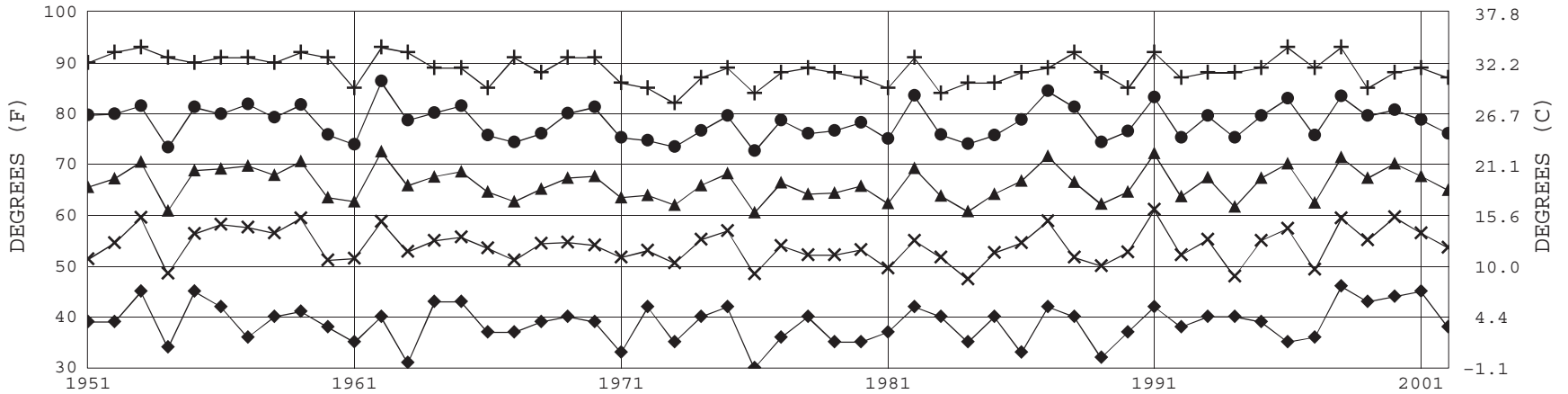
MAY 2002

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				6.00	BR	57	55	56	93	0	00	29.11	30.06	01	OVC	060				7.00		70	63	66	79	0	00	28.93	29.85																
04	CLR	NC				5.00	BR	54	53	53	97	0	00	29.13	30.08	04	CLR	NC				7.00		68	63	65	84	3	VR	28.92	29.84																
07	CLR	NC				3.00	BR	55	53	54	93	3	06	29.20	30.15	07	FEW	NC				5.00	HZ	69	63	65	81	0	00	28.98	29.90																
10	CLR	NC				9.00		72	58	63	61	0	00	29.18	30.13	10	CLR	NC				10.00		79	65	70	62	5	26	28.97	29.90																
13	CLR	NC				10.00		81	57	66	44	5	VR	29.13	30.08	13	BKN	049				10.00		83	64	71	53	3	18	28.95	29.87																
16	FEW	NC				10.00		81	58	67	46	7	VR	29.08	30.03	16	SCT	NC				6.00	HZ	80	71	74	74	3	17	28.92	29.85																
19	FEW	NC				10.00		78	59	66	52	6	22	29.08	30.02	19	SCT	NC				10.00		82	68	73	63	5	VR	28.91	29.83																
22	CLR	NC				9.00		67	60	63	79	0	00	29.12	30.06	22	CLR	NC				9.00		73	68	70	84	0	00	28.96	29.89																
SUNRISE: 0524								MAY 26								SUNRISE: 1944								3-HOURLY OBSERVATION NOTES																							
01	CLR	NC				6.00	BR	63	60	61	90	0	00	29.12	30.06	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				4.00	BR	60	58	59	93	0	00	29.11	30.06	Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet.																															
07	CLR	NC				2.50	BR	61	59	60	93	0	00	29.16	30.10	NC = No ceiling detected.																															
10	FEW	NC				10.00		75	61	66	62	0	00	29.18	30.12	& = Original observation contained additional weather elements.																															
13	SCT	NC				10.00		78	61	67	56	3	VR	29.15	30.10	See page 3 for additional notes.																															
16	FEW	NC				10.00		73	61	66	66	9	29	29.14	30.09																																
19	OVC	110				10.00		69	61	64	76	3	06	29.13	30.09																																
22	CLR	NC				10.00		65	62	63	90	0	00	29.16	30.10																																
SUNRISE: 0524								MAY 27								SUNRISE: 1944								SUMMARY BY HOUR																							
01	CLR	NC				8.00		60	59	59	96	0	00	29.14	30.09	AVERAGES																															
04	VV	001				0.25	FG	59	59	59	100	3	08	29.13	30.08	RESULTANT WIND (MPH)																															
07	OVC	001				0.75	BR	60	60	60	100	0	00	29.16	30.12	HOUR (LST)																															
10	CLR	NC				10.00		73	61	66	66	0	00	29.18	30.13	CEILOMETER																															
13	FEW	NC				10.00		82	62	69	51	3	VR	29.13	30.07	EFF CLD AMT																															
16	BKN	060				8.00		83	61	69	48	7	18	29.08	30.03	DRY BULB																															
19	CLR	NC				8.00		73	63	67	71	3	VR	29.12	30.07	DEW POINT																															
22	CLR	NC				7.00		68	63	65	84	0	00	29.14	30.08	WET BULB																															
SUNRISE: 0523								MAY 28								SUNRISE: 1945								PRESSURE (INCHES, HG)																							
01	CLR	NC				4.00	BR	64	62	63	93	0	00	29.13	30.07	STATION																															
04	OVC	002				1.25	BR	60	60	60	100	0	00	29.11	30.06	SEA LEVEL																															
07	VV	001				0.25	FG	61	61	61	100	0	00	29.16	30.11	VISIBILITY (MILES)																															
10	CLR	NC				6.00	HZ	71	63	66	76	0	00	29.16	30.11	WIND SPEED (MPH)																															
13	CLR	NC				10.00		79	62	68	56	5	VR	29.12	30.07	SPEED																															
16	CLR	NC				10.00		82	62	69	51	6	VR	29.06	30.00	DIRECTION																															
19	CLR	NC				10.00		78	61	67	56	3	14	29.05	29.98																																
22	CLR	NC				8.00		68	64	66	87	0	00	29.08	30.02																																
SUNRISE: 0523								MAY 29								SUNRISE: 1946																															
01	CLR	NC				4.00	BR	65	63	64	93	0	00	29.08	30.01																																
04	OVC	001				0.75	BR	62	62	62	100	0	00	29.07	30.00																																
07	VV	001				<.25	FG	62	62	62	100	0	00	29.08	30.03																																
10	CLR	NC				9.00		76	63	68	64	5	35	29.08	30.02																																
13	FEW	NC				10.00		85	58	68	40	0	00	29.05	29.98																																
16	FEW	NC				10.00		84	57	67	40	0	00	28.99	29.92																																
19	CLR	NC				10.00		77	62	67	60	6	26	28.96	29.90																																
22	OVC	090				10.00		72	63	66	73	0	00	28.99	29.92																																
SUNRISE: 0522								MAY 30								SUNRISE: 1946																															
01	SCT	NC				10.00		67	62	64	84	0	00	28.99	29.91																																
04	CLR	NC				7.00		63	61	62	93	0	00	28.98	29.91																																
07	CLR	NC				4.00	BR	63	61	62	93	0	00	29.01	29.94																																
10	CLR	NC				9.00		77	62	67	60	6	VR	29.00	29.93																																
13	CLR	NC				10.00		85	59	68	42	5	VR	28.97	29.89																																
16	CLR	NC				10.00		85	56	67	37	3	VR	28.89	29.82																																
19	CLR	NC				10.00		82	61	69	49	3	VR	28.89	29.81																																
22	CLR	NC				8.00		72	64	67	76	0	00	28.92	29.85																																

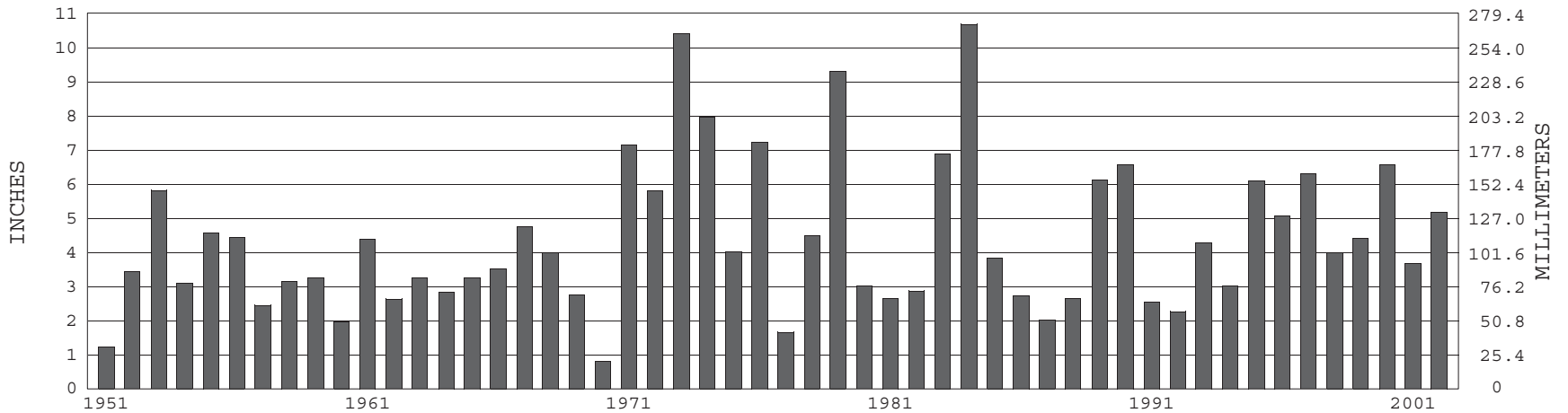
### OAK RIDGE, TN MAY TEMPERATURES



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

Long-Term (1951-2002) Mean: 66.2      1961-1990 Normal: 64.9

### OAK RIDGE, TN MAY PRECIPITATION



Long-Term (1951-2002) Mean Monthly Total: 4.37

1961-1990 Normal: 4.68



MAY 2002

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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