



# JUNE 2000

## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

# OAK RIDGE, TN

OAK RIDGE (OQT)  
 Lat: 36°01' N Long: 84°14' W Elev (Ground): 910 Feet  
 Time Zone: EASTERN WBAN: 53868 ISSN #: -

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	88	62	75	6	64	68	0	10	BR				0.00	29.22	30.15	0.8	15	1.7	12	15	9	15	01						
02	90	65	78	9	66	70	0	13	FG BR HZ				0.00	29.18	30.11	0.3	26	2.2	17	28	9	20	02						
03	82	67	75	5	69	70	0	10	RA BR HZ				0.90	29.12	30.05	0.9	15	1.1	23	17	17	18	03						
04	81	65	73	3	67	69	0	8	FG+ BR HZ				0.00	29.06	30.00	0.1	19	1.5	12	22	9	20	04						
05	77	61	69	-1	66	67	0	4	RA BR				0.43	28.98	29.91	1.4	22	2.6	13	20	10	21	05						
06	67	54	61*	-10	52	56	4	0					0.00	29.15	30.11	2.4	36	4.5	21	33	14	35	06						
07	78	50*	64	-7	52	57	1	0	BR				0.00	29.25	30.22	1.6	08	3.6	18	06	14	06	07						
08	81	52	67	-4	56	61	0	2	FG+ BR				0.00	29.23	30.18	2.1	23	3.3	17	27	13	20	08						
09	86	58	72	1	60	65	0	7	FG+ BR HZ				0.00	29.22	30.17	0.8	17	2.3	13	20	10	20	09						
10	90	61	76	5	64	68	0	11	BR HZ				0.00	29.21	30.15	0.5	21	1.8	12	18	9	19	10						
11	91	66	79	7	66	70	0	14	BR HZ				0.00	29.22	30.15	0.7	19	1.9	13	18	9	16	11						
12	91	67	79	7	67	71	0	14	BR HZ				0.00	29.20	30.13	1.5	23	2.6	13	20	10	20	12						
13	90	67	79	7	68	71	0	14	BR HZ				0.00	29.14	30.07	1.1	22	2.4	16	20	13	19	13						
14	90	69	80	8	68	72	0	15	BR				0.00	29.08	30.00	3.0	22	4.0	21	21	16	22	14						
15	90	73	82*	9	69	73	0	17	RA BR				T	29.00		2.6	21	4.5	21	22	15	22	15						
16	79	70	75	2	69	71	0	10	RA BR				0.21	29.05	29.98	2.7	21	4.3	17	22	13	22	16						
17	87	71	79	6	70	72	0	14	RA BR				0.06	29.16	30.09	2.8	22	3.8	17	20	13	21	17						
18	83	69	76	3	70	71	0	11	RA BR				0.33	29.20	30.13	3.4	23	5.2	18	23	12	23	18						
19	86	70	78	5	70	72	0	13	RA BR				T	29.20	30.13	1.8	22	3.5	14	22	12	22	19						
20	87	70	79	6	72	74	0	14	RA BR				T	29.15	30.08	1.6	22	2.8	16	23	13	21	20						
21	89	72	81	7	72	74	0	16	RA BR HZ				0.04	29.06	29.98	2.6	21	4.9	25*	19	20*	19	21						
22	86	67	77	3	68	70	0	12	RA BR				0.73	29.06	29.99	0.1	30	2.9	13	28	9	28	22						
23	90	62	76	2	66	70	0	11	BR				0.00	29.11	30.04	1.2	17	2.3	23	05	14	15	23						
24	92*	65	79	5	66	70	0	14	FG+ BR				0.00	29.11	30.03	2.4	21	2.7	18	20	14	19	24						
25	90	70	80	6	70	73	0	15	RA				0.01	29.08	30.00	2.7	21	4.3	17	28	15	20	25						
26	89	69	79	5	69	71	0	14	RA				0.01	29.11	30.04	2.4	23	3.4	17	32	13	21	26						
27	82	71	77	3	71	73	0	12	RA BR HZ				0.12	29.12	30.05	1.1	25	2.5	12	25	8	23	27						
28	79	70	75	0	72	72	0	10	RA FG+ BR HZ				1.20	29.05	29.98	1.2	19	2.1	16	18	13	18	28						
29	83	65	74	-1	64	67	0	9	RA BR				0.19	29.01	29.95	0.2	02	1.4	14	35	9	36	29						
30	82	60	71	-4	59	64	0	6	BR				0.00	29.08	30.02	0.7	03	1.6	14	08	10	08	30						
< MONTHLY AVERAGES										TOTALS-->				<- MONTHLY AVERAGES															
1.0										4.8				2.9															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION: 1.39 DATE: 28-29										SEA LEVEL PRESSURE DATE TIME									
MONTHLY TOTAL DEPARTURE										GREATEST 24-HR SNOWFALL: DATE: DATE:										MAXIMUM : 30.29 07 0753									
SEASON TO DATE TOTAL DEPARTURE										GREATEST SNOW DEPTH: DATE: DATE:										MINIMUM : 29.85 05 1653									
HEATING: 5 5 3269 -914										NUMBER OF DAYS WITH => MAXIMUM TEMP ≥ 90: 10										MINIMUM TEMP ≤ 32: 0									
COOLING: 320 94 502 177										MAXIMUM TEMP ≤ 32: 0										MINIMUM TEMP ≤ 0: 0									
										THUNDERSTORMS: 0										HEAVY FOG: 5									
										PRECIPITATION ≥ 0.01 INCH: 12										PRECIPITATION ≥ 0.10 INCH: 8									
										SNOWFALL ≥ 1.0 INCH: :																			

JUNE 2000  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

# OAK RIDGE, TN

JUNE 2000

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													02												02		0.00		
03												0.14	03	0.43	0.03	T			0.25	0.05					03		0.90		
04													04												04		0.00		
05					0.02	0.22	0.04	0.03	T				05			0.01	0.10	0.01							05		0.43		
06													06												06		0.00		
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													12												12		0.00		
13													13												13		0.00		
14													14												14		0.00		
15	T	T											15		T								T	T	15		0.00		
16													16	0.09	0.02	0.03	0.07	T	T						16		0.21		
17	T				T								17		0.05										17		0.06		
18	T	T											18		0.02		0.02	0.01							18		0.33		
19	T	T	T					T					19												19		T		
20													20			T	T						T		20		T		
21													21					T	T	0.01					21	0.03	0.04		
22	0.06	0.42	0.16	0.09	0.01	T							22												22	0.74	0.73		
23													23												23		0.00		
24													24												24		0.00		
25												T	25											T	0.01	0.01	0.01		
26													26					0.01						T	0.01		0.01		
27			0.05										27			T	T							T	0.01		0.12		
28	T	T	T					T					28	0.05	0.06	0.02	0.02			0.43			T		28		1.20		
29	0.03	0.05	0.07	0.01	0.02	T	0.01						29												29		0.19		
30													30												30		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)	.23	.27	.30	.32	.35	.45	.53	.56	.59	.61	.65	.69
Ending Date	18	18	28	28	28	03	03	03	03	28	22	22
Ending Time (Hour/Min)	2257	2259	1147	1148	1740	1233	1239	1246	1321	1322	0320	0352

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  
JUNE 2000**

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							.75	10.00	
02							.50	10.00	
03							.75	8.00	
04							.25	10.00	
05							1.25	10.00	
06							7.00	10.00	
07							.75	10.00	
08							.25	10.00	
09							.25	10.00	
10							1.75	10.00	
11							1.50	10.00	
12							1.75	8.00	
13							1.25	10.00	
14							5.00	10.00	
15							1.75	10.00	
16							1.50	10.00	
17							10.00	10.00	
18							.75	10.00	
19							4.00	10.00	
20							4.00	10.00	
21							4.00	10.00	
22							.75	10.00	
23							.75	10.00	
24							.25	10.00	
25							7.00	10.00	
26							8.00	10.00	
27							2.50	10.00	
28							.25	10.00	
29							4.00	10.00	
30							4.00	10.00	
<b>MONTHLY AVGS</b>							3.12	9.83	
<b>SUNSHINE (MINUTES)</b>									
Total:					Possible:				
					Percent Possible:				
<b>NUMBER OF DAYS WITH:</b>									
<b>SKY CONDITION</b>									
CLR	PTLY	CLDY	CLOUDY	MISSING					
30									
<b>MINIMUM VISIBILITY (MILES)</b>									
<=0.25			<=3.0			>=7.0			
4			19			5			

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JUNE 2000

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			DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION TENS OF DEG	STATION	SEA LEVEL																																																																																																																																
SUNRISE: 0522								JUN 01				SUNSET: 1948				SUNRISE: 0520								JUN 07				SUNSET: 1951																																																																																																																																			
01	CLR	NC				6.00	BR	67	64	65	91	0	00	29.21	30.14	01	CLR	NC				6.00	BR	53	52	52	96	0	00	29.25	30.22	04	CLR	NC				5.00	BR	50	50	50	100	3	07	29.26	30.24	07	SCT	NC				2.00	BR	64	63	63	96	0	00	29.26	30.20	10	CLR	NC				10.00		78	64	69	62	0	00	29.28	30.22	13	FEW	NC				10.00		85	64	71	50	6	VR	29.24	30.18	16	CLR	NC				10.00		87	65	72	48	5	VR	29.19	30.13	19	CLR	NC				10.00		84	66	72	55	5	17	29.17	30.11	22	CLR	NC				8.00		76	68	71	77	0	00	29.19	30.12	22	CLR	NC				10.00		62	55	58	78	0	00	29.22	30.18
SUNRISE: 0521								JUN 02				SUNSET: 1949				SUNRISE: 0520								JUN 08				SUNSET: 1952																																																																																																																																			
01	CLR	NC				5.00	BR	70	67	68	90	0	00	29.18	30.11	01	CLR	NC				10.00		57	54	55	90	0	00	29.22	30.18	04	SCT	NC				3.00	BR	67	66	66	97	0	00	29.21	30.15	07	CLR	NC				1.75	BR	67	65	66	93	0	00	29.24	30.17	10	CLR	NC				9.00		81	64	70	57	6	VR	29.23	30.16	13	CLR	NC				10.00		87	63	71	45	6	VR	29.18	30.11	16	CLR	NC				10.00		89	65	73	45	6	VR	29.12	30.05	19	CLR	NC				9.00		85	67	73	55	3	VR	29.12	30.06	22	FEW	NC				7.00		78	71	73	79	0	00	29.15	30.08	22	CLR	NC				10.00		68	61	64	78	0	00	29.20	30.14
SUNRISE: 0521								JUN 03				SUNSET: 1949				SUNRISE: 0520								JUN 09				SUNSET: 1952																																																																																																																																			
01	CLR	NC				5.00	BR	73	69	70	87	0	00	29.14	30.06	01	CLR	NC				8.00		62	59	60	90	0	00	29.22	30.17	04	CLR	NC				4.00	BR	68	67	67	96	0	00	29.11	30.04	07	FEW	NC				2.50	BR	69	68	68	96	0	00	29.14	30.07	10	CLR	NC				5.00	HZ	78	69	72	74	0	00	29.14	30.07	13	BKN	015				3.00	-RA BR	70	68	69	93	6	10	29.14	30.09	16	FEW	NC				7.00		81	70	73	69	6	16	29.08	30.02	19	BKN	055				6.00	BR	72	68	69	87	0	00	29.09	30.03	22	SCT	NC				3.00	BR	69	68	68	96	0	00	29.11	30.05	22	CLR	NC				10.00		70	64	66	82	0	00	29.20	30.14
SUNRISE: 0521								JUN 04				SUNSET: 1950				SUNRISE: 0520								JUN 10				SUNSET: 1953																																																																																																																																			
01	VV	001				0.25	FG	68	68	68	100	0	00	29.09	30.04	01	CLR	NC				6.00	BR	65	63	64	93	0	00	29.22	30.16	04	CLR	NC				5.00	BR	66	65	65	96	0	00	29.08	30.01	07	FEW	NC				4.00	BR	67	65	66	93	0	00	29.08	30.03	10	SCT	NC				6.00	HZ	72	66	68	82	0	00	29.08	30.02	13	CLR	NC				7.00		77	68	71	74	5	VR	29.08	30.01	16	BKN	060				9.00		79	66	70	65	5	VR	29.05	29.98	19	BKN	024				6.00	HZ	77	70	72	79	0	00	29.02	29.96	22	BKN	044				9.00		71	68	69	90	0	00	29.04	29.97	22	CLR	NC				7.00		74	67	69	79	0	00	29.20	30.14
SUNRISE: 0520								JUN 05				SUNSET: 1950				SUNRISE: 0520								JUN 11				SUNSET: 1953																																																																																																																																			
01	BKN	034				7.00		69	67	68	93	0	00	29.01	29.94	01	CLR	NC				5.00	BR	70	67	68	90	0	00	29.21	30.14	04	FEW	NC				8.00		68	66	67	93	0	00	28.99	29.92	07	OVC	025				3.00	-RA BR	66	65	65	96	0	00	29.00	29.93	10	OVC	009				8.00		69	67	68	93	5	VR	29.01	29.94	13	OVC	018				10.00		72	66	68	82	7	23	28.97	29.91	16	BKN	029				10.00		75	67	70	76	8	21	28.93	29.86	19	BKN	100				9.00		70	67	68	90	0	00	28.93	29.87	22	FEW	NC				7.00		67	63	64	87	0	00	28.98	29.92	22	FEW	NC				10.00		75	69	71	82	0	00	29.22	30.15
SUNRISE: 0520								JUN 06				SUNSET: 1951				SUNRISE: 0520								JUN 12				SUNSET: 1954																																																																																																																																			
01	FEW	NC				9.00		62	57	59	84	3	34	29.00	29.94	01	CLR	NC				4.00	BR	70	68	69	93	0	00	29.23	30.15	04	CLR	NC				7.00		58	56	57	93	0	00	29.03	29.97	07	OVC	044				10.00		60	52	56	75	3	VR	29.09	30.04	10	OVC	041				10.00		59	48	53	67	7	VR	29.17	30.13	13	BKN	037				10.00		64	49	56	58	10	33	29.20	30.16	16	OVC	047				10.00		66	50	57	56	6	VR	29.20	30.16	19	SCT	NC				10.00		65	52	58	63	5	09	29.21	30.16	22	CLR	NC				10.00		56	54	55	93	0	00	29.25	30.22	22	CLR	NC				10.00		76	69	71	79	0	00	29.16	30.09

**OBSERVATIONS AT 3-HOURLY INTERVALS**

**OAK RIDGE, TN**

**JUNE 2000**

**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	
<b>SUNRISE: 0520 JUN 13 SUNSET: 1954</b>						<b>SUNRISE: 0520 JUN 19 SUNSET: 1956</b>																						
01	CLR	NC			4.00 BR	71	69	70	94	0	00	29.16	30.08	01	BKN	018				8.00	71	70	70	96	0	00	29.18	30.12
04	CLR	NC			3.00 BR	68	67	67	96	0	00	29.14	30.07	04	BKN	065				10.00	70	69	69	97	0	00	29.18	30.12
07	SCT	NC			1.50 BR	68	67	67	96	0	00	29.18	30.11	07	OVC	012				10.00	71	70	70	96	6	22	29.20	30.14
10	CLR	NC			6.00 HZ	82	66	71	58	3	VR	29.18	30.11	10	BKN	026				10.00	77	71	73	82	8	21	29.22	30.15
13	FEW	NC			6.00 HZ	86	67	73	53	5	VR	29.16	30.09	13	BKN	032				10.00	80	71	74	74	5	VR	29.23	30.17
16	CLR	NC			10.00	90	66	74	45	3	VR	29.09	30.02	16	CLR	NC				10.00	84	70	74	63	6	22	29.17	30.11
19	FEW	NC			10.00	80	68	72	67	3	VR	29.09	30.03	19	CLR	NC				10.00	83	70	74	65	5	20	29.15	30.09
22	CLR	NC			10.00	75	68	70	79	3	14	29.11	30.03	22	CLR	NC				10.00	77	73	74	88	0	00	29.20	30.13
<b>SUNRISE: 0520 JUN 14 SUNSET: 1955</b>						<b>SUNRISE: 0520 JUN 20 SUNSET: 1957</b>																						
01	CLR	NC			9.00	72	68	69	87	0	00	29.10	30.03	01	CLR	NC				9.00	72	72	72	100	0	00	29.19	30.12
04	CLR	NC			8.00	70	68	69	93	0	00	29.10	30.02	04	FEW	NC				6.00	70	70	70	100	0	00	29.17	30.10
07	CLR	NC			6.00 BR	72	69	70	91	0	00	29.11	30.05	07	OVC	013				5.00	72	70	71	94	0	00	29.19	30.12
10	BKN	024			10.00	80	70	73	71	6	VR	29.11	30.04	10	OVC	013				7.00	77	72	74	85	0	00	29.20	30.13
13	BKN	041			10.00	85	69	74	59	10	21	29.08	30.01	13	SCT	NC				10.00	86	72	76	63	5	19	29.14	30.07
16	BKN	050			10.00	86	67	73	53	10	22	29.03	29.95	16	FEW	NC				10.00	86	71	76	61	12	22	29.10	30.03
19	BKN	110			10.00	85	66	72	53	9	22	29.03	29.95	19	CLR	NC				10.00	80	73	75	79	3	23	29.11	30.04
22	FEW	NC			10.00	78	67	71	69	0	00	29.07	29.99	22	CLR	NC				10.00	76	73	74	91	0	00	29.11	30.04
<b>SUNRISE: 0520 JUN 15 SUNSET: 1955</b>						<b>SUNRISE: 0521 JUN 21 SUNSET: 1957</b>																						
01	OVC	100			10.00	77	67	70	71	3	VR	29.07	29.99	01	CLR	NC				8.00	74	72	73	94	0	00	29.11	30.03
04	SCT	NC			10.00					0	00	29.04		04	SCT	NC				7.00	73	71	72	94	0	00	29.08	30.01
07	CLR	NC			10.00					6	VR	29.04		07	OVC	060				5.00	74	72	73	94	6	VR	29.09	30.02
10	FEW	NC			10.00	80	69	73	69	12	20	29.04	29.95	10	OVC	022				8.00	80	72	74	76	7	21	29.09	30.03
13	CLR	NC			10.00	88	65	73	46	13	21	28.98	29.89	13	FEW	NC				10.00	87	72	76	61	9	22	29.06	29.97
16	SCT	NC			10.00	84	69	74	61	5	25	28.94		16	SCT	NC				10.00	87	74	78	65	12	19	29.00	29.92
19	CLR	NC			10.00	80	68	72	67	0	00	28.94		19	SCT	NC				10.00	79	74	75	85	5	VR	29.00	29.92
22	BKN	065			8.00	77	70	72	79	0	00	28.99	29.91	22	CLR	NC				10.00	74	69	71	85	5	VR	29.04	29.96
<b>SUNRISE: 0520 JUN 16 SUNSET: 1955</b>						<b>SUNRISE: 0521 JUN 22 SUNSET: 1957</b>																						
01	CLR	NC			10.00	72	69	70	91	0	00	29.00	29.92	01	OVC	035				6.00	72	71	71	97	6	22	29.05	29.97
04	BKN	032			9.00	71	68	69	90	3	VR	28.99	29.91	04	OVC	060				8.00	71	71	71	100	3	VR	29.03	29.95
07	OVC	023			10.00	72	67	69	84	6	26	29.04	29.96	07	SCT	NC				10.00	71	70	70	96	0	00	29.06	29.99
10	OVC	014			10.00	73	69	70	87	6	21	29.06	29.99	10	FEW	NC				10.00	75	69	71	82	6	VR	29.08	30.01
13	BKN	019			8.00	76	72	73	88	8	18	29.07	30.00	13	CLR	NC				10.00	79	70	73	74	6	VR	29.08	30.01
16	FEW	NC			10.00	79	73	75	82	8	21	29.04	29.96	16	CLR	NC				10.00	84	62	70	48	3	VR	29.05	29.97
19	CLR	NC			10.00	75	71	72	88	5	20	29.04	29.97	19	CLR	NC				10.00	82	63	70	53	3	VR	29.04	29.96
22	SCT	NC			10.00	73	68	70	84	0	00	29.10	30.04	22	CLR	NC				10.00	70	67	68	90	0	00	29.08	30.02
<b>SUNRISE: 0520 JUN 17 SUNSET: 1956</b>						<b>SUNRISE: 0521 JUN 23 SUNSET: 1957</b>																						
01	BKN	050			10.00	72	69	70	91	0	00	29.13	30.07	01	CLR	NC				9.00	67	65	66	93	0	00	29.09	30.03
04	OVC	020			10.00	72	69	70	91	0	00	29.13	30.06	04	BKN	080				7.00	64	63	63	96	0	00	29.10	30.04
07	OVC	018			10.00	72	69	70	91	0	00	29.17	30.11	07	CLR	NC				7.00	66	64	65	93	0	00	29.12	30.06
10	OVC	012			10.00	75	71	72	88	5	VR	29.19	30.13	10	CLR	NC				10.00	80	69	73	69	0	00	29.14	30.08
13	BKN	095			10.00	80	70	73	71	7	20	29.18	30.11	13	FEW	NC				10.00	87	66	73	50	3	VR	29.12	30.06
16	SCT	NC			10.00	86	69	74	57	9	22	29.11	30.03	16	FEW	NC				10.00	90	65	73	44	5	36	29.08	30.01
19	CLR	NC			10.00	81	70	73	69	5	VR	29.12	30.05	19	SCT	NC				10.00	86	68	74	55	6	18	29.08	30.01
22	CLR	NC			10.00	75	68	70	79	0	00	29.20	30.14	22	CLR	NC				10.00	75	70	72	84	0	00	29.11	30.04
<b>SUNRISE: 0520 JUN 18 SUNSET: 1956</b>						<b>SUNRISE: 0521 JUN 24 SUNSET: 1957</b>																						
01	OVC	009			10.00	72	70	71	94	3	VR	29.18	30.12	01	CLR	NC				6.00	69	68	68	96	0	00	29.11	30.03
04	BKN	010			10.00	70	68	69	93	6	25	29.18	30.11	04	VV	001				0.25	66	66	66	100	0	00	29.10	30.03
07	BKN	070			10.00	71	68	69	90	7	25	29.23	30.16	07	CLR	NC				8.00	68	65	66	90	0	00	29.14	30.07
10	OVC	018			10.00	75	69	71	82	6	VR	29.24	30.18	10	CLR	NC				10.00	81	66	71	61	0	00	29.15	30.09
13	OVC	028			10.00	78	69	72	74	10	22	29.23	30.16	13	CLR	NC				10.00	88	65	73	46	10	21	29.12	30.05
16	BKN	028			4.00 RA BR	76	72	73	88	8	22	29.18	30.12	16	FEW	NC				10.00	91	63	72	39	7	20	29.08	30.00
19	CLR	NC			10.00	78	71	73	79	5	21	29.17	30.10	19	CLR	NC				10.00	86	66	73	51	3	21	29.07	29.99
22	CLR	NC			10.00	74	71	72	91	0	00	29.19	30.13	22	CLR	NC				10.00	76	68	71	77	0	00	29.08	30.00

# OBSERVATIONS AT 3-HOURLY INTERVALS

## OAK RIDGE, TN

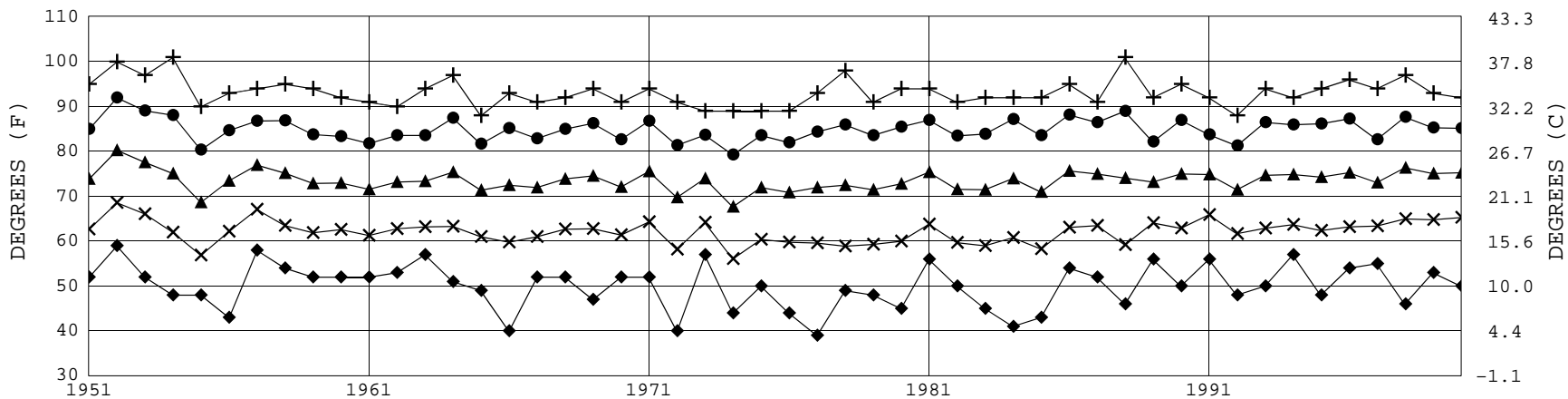
JUNE 2000

OQT

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)					
	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: 0522							JUN 25				SUNSET: 1957				SUNRISE: JUN 31 SUNSET:																		
01	CLR	NC			10.00		71	67	68	87	0	00	29.08	30.00																			
04	FEW	NC			9.00		71	67	68	87	0	00	29.07	29.99																			
07	FEW	NC			8.00		75	67	70	76	3	18	29.09	30.01																			
10	FEW	NC			10.00		83	69	74	63	7	VR	29.10	30.02																			
13	FEW	NC			10.00		86	71	76	61	6	21	29.08	29.99																			
16	CLR	NC			10.00		89	70	76	53	10	22	29.03	29.94																			
19	BKN	065			10.00		85	69	74	59	5	23	29.04	29.96																			
22	FEW	NC			10.00		74	73	73	97	3	07	29.10	30.03																			
SUNRISE: 0522							JUN 26				SUNSET: 1958				3-HOURLY OBSERVATION NOTES																		
01	SCT	NC			10.00		73	71	72	94	5	20	29.08	30.01	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. Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC= No ceiling detected. & = Original observation contained additional weather elements. See page 3 for additional notes.																		
04	CLR	NC			10.00		70	67	68	90	0	00	29.08	30.00																			
07	SCT	NC			10.00		73	68	70	84	0	00	29.14	30.07																			
10	CLR	NC			10.00		79	69	72	72	8	22	29.14	30.07																			
13	SCT	NC			10.00		86	71	76	61	12	22	29.11	30.03																			
16	FEW	NC			10.00		82	65	71	56	8	28	29.09	30.02																			
19	CLR	NC			10.00		78	69	72	74	0	00	29.08	30.01																			
22	CLR	NC			10.00		73	69	70	87	0	00	29.12	30.05																			
SUNRISE: 0522							JUN 27				SUNSET: 1958				SUMMARY BY HOUR																		
01	BKN	040			10.00		73	69	70	87	0	00	29.12	30.05	AVERAGES																		
04	BKN	120			6.00	BR	71	70	70	96	5	VR	29.11	30.04	RESULTANT WIND (MPH)																		
07	SCT	NC			9.00		71	69	70	94	5	VR	29.15	30.09	HOUR (LST) CEILOMETER EFF CLD AMT DRY BULB DEW POINT WET BULB RELATIVE HUMIDITY PRESSURE (INCHES, HG) VISIBILITY (MILES) WIND SPEED (MPH) SPEED DIRECTION																		
10	OVC	015			9.00		74	70	71	88	3	VR	29.16	30.10	01 69 67 67 92 29.13 30.06 7.17 0 0 0																		
13	BKN	021			9.00		79	71	74	77	3	VR	29.13	30.07	02 68 66 67 94 29.12 30.05 6.70 0 0 0																		
16	CLR	NC			6.00	HZ	78	73	75	85	0	00	29.08	30.01	03 67 65 66 95 29.12 30.05 6.30 0 0 0																		
19	CLR	NC			9.00		79	73	75	82	0	00	29.07	30.00	04 66 65 65 95 29.12 30.06 6.21 0 0 0																		
22	OVC	100			4.00	BR	75	74	74	96	0	00	29.10	30.03	05 66 65 65 95 29.13 30.07 5.66 0 0 0																		
SUNRISE: 0523							JUN 28				SUNSET: 1958				06 66 64 65 94 29.14 30.08 5.02 1 0 0																		
01	FEW	NC			5.00	BR	73	72	72	96	0	00	29.08	30.01	07 68 65 66 92 29.15 30.09 5.96 1 0 0																		
04	SCT	NC			7.00		71	70	70	96	0	00	29.07	30.00	08 70 66 68 86 29.16 30.10 7.45 1 1 24																		
07	OVC	040			7.00		72	70	71	94	0	00	29.08	30.01	09 74 66 69 78 29.17 30.10 8.23 3 1 22																		
10	BKN	012			5.00	BR	77	74	75	90	5	VR	29.08	30.01	10 76 66 70 72 29.16 30.10 8.83 2 1 21																		
13	BKN	046			1.25	RA BR	77	74	75	90	6	VR	29.05	29.98	11 78 66 70 66 29.16 30.10 9.10 3 2 22																		
16	BKN	032			7.00		76	73	74	91	8	16	29.00	29.93	12 80 66 71 66 29.15 30.08 8.85 2 1 22																		
19	OVC	080			10.00		72	71	71	97	0	00	29.00	29.93	13 81 66 71 61 29.14 30.07 8.97 5 3 21																		
22	SCT	NC			6.00	BR	72	71	71	97	0	00	29.02	29.95	14 82 66 72 61 29.12 30.05 8.95 4 2 21																		
SUNRISE: 0523							JUN 29				SUNSET: 1958				15 84 66 72 57 29.11 30.04 9.05 4 3 21																		
01	OVC	090			4.00	RA BR	70	70	70	100	6	VR	29.02	29.95	16 83 65 71 56 29.09 30.03 9.33 5 4 21																		
04	BKN	095			6.00	BR	68	67	67	96	0	00	29.01	29.94	17 82 65 71 59 29.09 30.02 9.43 3 3 21																		
07	OVC	005			6.00	BR	67	66	66	97	0	00	29.03	29.96	18 81 65 70 60 29.08 30.02 8.99 3 2 22																		
10	BKN	090			10.00		70	67	68	90	3	VR	29.04	29.97	19 80 66 71 64 29.09 30.03 9.47 2 2 21																		
13	BKN	033			10.00		76	63	68	64	0	00	29.01	29.94	20 77 67 71 73 29.10 30.04 9.02 1 1 23																		
16	BKN	080			10.00		80	61	68	52	0	00	28.98	29.91	21 74 67 70 80 29.11 30.04 8.97 0 0 0																		
19	CLR	NC			10.00		79	59	66	50	3	33	28.98	29.91	22 72 67 69 85 29.12 30.06 8.67 0 0 0																		
22	CLR	NC			10.00		68	63	65	84	0	00	29.04	29.98	23 71 67 68 89 29.12 30.06 8.02 0 0 0																		
SUNRISE: 0524							JUN 30				SUNSET: 1958				24 70 67 68 91 29.12 30.06 7.47 1 0 0																		
01	CLR	NC			6.00	BR	64	63	63	96	0	00	29.05	29.98																			
04	CLR	NC			4.00	BR	61	61	61	100	0	00	29.06	30.00																			
07	CLR	NC			5.00	BR	63	61	62	93	0	00	29.10	30.04																			
10	CLR	NC			10.00		75	57	64	54	5	01	29.10	30.04																			
13	BKN	065			10.00		78	54	64	43	0	00	29.10	30.04																			
16	CLR	NC			10.00		81	55	65	41	3	VR	29.07	30.01																			
19	CLR	NC			10.00		79	55	64	44	0	00	29.07	30.01																			
22	CLR	NC			10.00		67	62	64	84	0	00	29.09	30.03																			

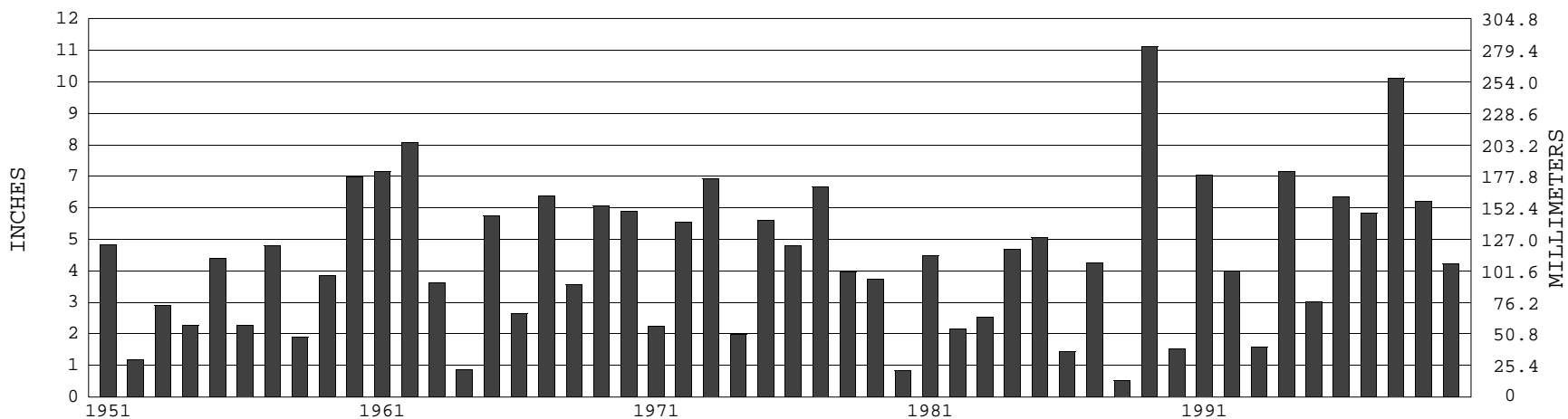
### OAK RIDGE, TN JUNE TEMPERATURES



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

Long-Term (1951-2000) Mean: 73.6      1961-1990 Normal: 72.4

### OAK RIDGE, TN JUNE PRECIPITATION



Long-Term (1951-2000) Mean Monthly Total: 4.43

1961-1990 Normal: 4.34



**JUNE 2000  
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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