



# JUNE 2006 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

OAK RIDGE, TN  
OAK RIDGE (KOQT)  
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 910 Feet  
Time Zone : EASTERN WBAN: 53868 ISSN#: -



Date 1	Temperature °F						Deg Days BASE 65°		WEATHER 10	SNOW/ICE ON GND(IN)		PRECIPITATION ON GND(IN)		PRESSURE (INCHES OF HG)		WIND SPEED = MPH DIR = TENS OF DEGREES								Date 24
	MAXIMUM 2	MINIMUM 3	AVERAGE 4	DEP FROM NORMAL 5	AVERAGE DEW PT 6	AVERAGE WET BULB 7	HEATING 8	COOLING 9		0700 LST 11	1300 LST 12	2400 LST 13	2400 LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	82	67	75	5	65	68	0	10	RA BR HZ			0.07	29.11	30.04	1.1	22	2.5	23	21	16	19	01		
02	84	66	75	5	65	67	0	10	RA BR HZ			0.24	28.97	29.91	1.2	27	3.5	37*	27	22*	29	02		
03	80	60	70	0	54	60	0	5				0.00	28.97	29.92	2.1	03	3.9	18	07	15	06	03		
04	81	56	69	-2	57	61	0	4	RA BR			T	28.95	29.90	1.0	11	2.8	21	32	15	33	04		
05	76	54	65*	-6	50	57	0	0				0.00	29.02	29.98	2.0	03	3.8	23	06	16	05	05		
06	83	51*	67	-4	49	57	0	2				0.00	29.05	29.99	1.4	05	2.4	18	06	14	06	06		
07	82	53	68	-4	53	60	0	3				0.00	29.00	29.94	0.4	22	2.4	15	21	12	20	07		
08	85	62	74	2	57	64	0	9	RA			T	28.95	29.89	1.5	35	3.6	15	34	12	33	08		
09	87	61	74	2	58	65	0	9				0.00	28.99	29.93	0.6	31	2.5	13	30	9	27	09		
10	92	66	79	7	64	69	0	14				0.00	28.92	29.83	1.9	23	3.8	17	22	13	20	10		
11	94	71	83*	11	65	70	0	18	RA			0.00	28.90	29.81	1.3	24	4.2	17	27	13	21	11		
12	85	66	76	3	62	66	0	11	RA			T	28.98	29.92	1.9	05	4.4	17	06	12	04	12		
13	84	63	74	1	57	63	0	9				0.00	29.02	29.95	3.1	06	6.1	16	08	12	07	13		
14	85	64	75	2	56	63	0	10				0.00	29.01	29.96	1.5	02	3.5	17	06	14	06	14		
15	86	58	72	-1	55	62	0	7	BR			0.00	29.14	30.09	1.0	03	2.5	14	06	10	06	15		
16	88	59	74	0	56	64	0	9	HZ			0.00	29.19	30.13	0.7	10	3.2	17	20	13	19	16		
17	90	65	78	4	59	66	0	13	HZ			0.00	29.19	30.12	2.0	20	4.5	17	18	14	18	17		
18	88	64	76	2	59	66	0	11	HZ			0.00	29.15	30.08	2.3	22	4.6	17	20	14	20	18		
19	86	68	77	3	64	68	0	12	RA FG BR			0.51	29.10	30.04	0.4	25	3.0	16	33	12	32	19		
20	91	65	78	4	64	69	0	13	FG+ BR			0.00	29.11	30.05	0.3	32	1.5	12	11	8	20	20		
21	90	67	79	4	66	70	0	14	RA BR			T	29.16	30.09	0.7	10	1.6	10	29	8	29	21		
22	96*	67	82	7	67	71	0	17	RA BR HZ			T	29.17	30.09	0.1	05	1.4	12	08	9	07	22		
23	93	69	81	6	68	70	0	16	RA BR HZ			0.26	29.13	30.05	0.9	15	2.7	22	29	13	29	23		
24	86	65	76	1	66	69	0	11	FG+ FG BR HZ			0.00	29.09	30.03	0.2	31	2.8	13	27	10	28	24		
25	81	68	75	0	66	69	0	10	RA			0.02	29.03	29.95	1.1	19	2.4	16	18	12	18	25		
26	74	66	70	-5	66	67	0	5	RA FG+ BR			0.22	28.97	29.91	1.2	07	2.3	8	07	7	10	26		
27	85	65	75	-1	64	68	0	10	FG+ FG BR HZ			0.00	29.03	29.98	0.9	14	1.9	14	20	10	21	27		
28	86	64	75	-1	60	66	0	10	FG+ FG BR HZ			0.00	29.15	30.10	0.2	32	1.9	12	28	8	28	28		
29	89	59	74	-2	58	64	0	9	RA BR HZ			T	29.18	30.11	1.9	26	3.7	18	28	13	29	29		
30	87	60	74	-2	60	65	0	9	RA BR HZ			0.03	29.17	30.11	0.2	16	2.0	20	25	15	26	30		

85.9	63.0	74.5	☼	60.3	65.5	0.0	9.7	< MONTHLY AVERAGES   TOTALS >				1.35	29.06	30.00	0.1	05	3.0	< MONTHLY AVERAGES					
1.0	1.3	1.2		<-----DEPARTURE FROM NORMAL----->										-3.29	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
<b>DEGREE DAYS</b>								GREATEST 24-HR PRECIPITATION : 0.51 DATE : 19				SEA LEVEL PRESSURE				DATE TIME							
MONTHLY								GREATEST 24-HR SNOWFALL :				MAXIMUM :				30.19 17 0900							
SEASON TO DATE								GREATEST SNOW DEPTH :				MINIMUM :				29.77 11 1753							
TOTAL DEPARTURE				TOTAL DEPARTURE				NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 : 7				MINIMUM TEMP <= 32 : 0				PRECIPITATION >= 0.01 INCH: 7			
HEATING : 0 -6 3411 -582				COOLING : 290 36 464 94				THUNDERSTORMS : 0				MAXIMUM TEMP <= 32 : 0				MINIMUM TEMP <= 0 : 0				PRECIPITATION >= 0.10 INCH: 4			
												HEAVY FOG : 5				SNOWFALL >= 1.0 INCH :							

JUNE 2006  
OAK RIDGE, TN

# HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)  
JUNE 2006

WBAN # 53868

Date	FOR HOUR (LST) ENDING AT												Date	FOR HOUR (LST) ENDING AT												Date	Sum of Hourly Data	2400 LST Water Equiv.
	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													01												01	0.07	0.07	
02													02				0.19	0.04	T	0.04	0.02	T	T	0.01	02	0.24	0.24	
03													03												03	0.00	0.00	
04													04	T	T										04	T	T	
05													05												05	0.00	0.00	
06													06												06	0.00	0.00	
07													07												07	0.00	0.00	
08	T												08												08	T	T	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11													11												11	0.00	0.00	
12	T	T											12												12	T	T	
13													13												13	0.00	0.00	
14													14												14	0.00	0.00	
15													15												15	0.00	0.00	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18													18												18	0.00	0.00	
19								T		0.11	0.01	0.02	19				0.37	T						19	0.51	0.51		
20													20												20	0.00	0.00	
21													21				T	T							21	T	T	
22													22												22	T	T	
23													23			0.20	T	T	0.05	0.01	T				23	0.26	0.26	
24													24												24	0.00	0.00	
25												T	0.01												25	0.02	0.02	
26													26	0.01	T										26	0.22	0.22	
27													27												27	0.00	0.00	
28													28												28	0.00	0.00	
29													29						T						29	T	T	
30													30					0.02	0.01	T					30	0.03	0.03	

\* Indicates sum of Hourly and Daily disagree.

### MAXIMUM SHORT DURATION PRECIPITATION (See Note)

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)	0.28	0.34	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
Ending Date	19	19	19	19	19	19	19	19	19	19	19	19
Ending Time (Hr/Min)	1652	1656	1656	1656	1656	1656	1656	1656	1656	1656	1656	1656

Note : The hourly and daily precipitation totals are printed in the last 2 columns and hi-lighted in red when they disagree. 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.

Date and time are not entered for TRACE amounts.

# 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		
DESCRIPTOR	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	
PR Partial	RA Rain	PY Spray	SQ Squalls
SH Shower(s)	SG Snow Grains	SA Sand	SS Sandstorm
TS Thunderstorm	SN Snow	VA Volcanic Ash	GL Glaze
VC In the Vicinity	UP Unkown Precipitation		

Intensity (as indicated on pages 4 to 6):  
'+' = Heavy    '' = Moderate    '-' = Light

# OAK RIDGE, TN JUNE 2006

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	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							3.00	10.00	
02							1.75	10.00	
03							10.00	10.00	
04							6.00	10.00	
05							8.00	10.00	
06							10.00	10.00	
07							7.00	10.00	
08							10.00	10.00	
09							7.00	10.00	
10							9.00	10.00	
11							9.00	10.00	
12							8.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							5.00	10.00	
16							6.00	10.00	
17							5.00	10.00	
18							4.00	10.00	
19							0.50	10.00	
20							0.25	10.00	
21							5.00	10.00	
22							5.00	10.00	
23							0.75	10.00	
24							0.25	10.00	
25							7.00	10.00	
26							4.00	10.00	
27							0.25	10.00	
28							0.25	10.00	
29							4.00	10.00	
30							3.00	10.00	
MONTHLY AVGS							5.30	10.00	
<b>SUNSHINE (Minutes)</b>									
Total :					Possible :				
Percent Possible :									
<b>NUMBER OF DAYS WITH :</b>									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
<b>MINIMUM VISIBILITY (MILES)</b>									
<= .25			<= 3.0				>= 7.0		
4			9				12		

## OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JUNE 2006

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			RELATIVE HUMIDITY (PCT)	WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	SPEED (MPH)	DIRECTION Tens of Deg	STATION				SEA LEVEL	Observation Time (LST)		Eff Cl'd Amt Oktas	VISIBILITY (MILES)	DRY BULB		DEW POINT	WET BULB	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0521      JUN 01      SUNSET: 1947														SUNRISE: 0519      JUN 07      SUNSET: 1950															
01	FEW	120			8.00		71	64	67	79	0	00	29.15	30.08	01	CLR	NC			10.00		58	52	55	81	0	00	29.01	29.95
04	CLR	NC			7.00	HZ	69	64	66	84	0	00	29.14	30.07	04	CLR	NC			9.00		54	51	52	90	0	00	29.01	29.96
07	SCT	100			5.00		69	64	66	84	0	00	29.15	30.09	07	CLR	NC			8.00		57	52	54	83	0	00	29.05	29.99
10	CLR	NC			9.00		78	66	70	67	0	00	29.14	30.07	10	CLR	NC			10.00		69	53	60	57	5	VR	29.06	30.00
13	CLR	NC			8.00		78	66	70	67	5	VR	29.13	30.05	13	CLR	NC			10.00		81	50	63	34	8	20	29.01	29.94
16	FEW	065			8.00		81	67	72	63	0	00	29.06	29.99	16	SCT	065			10.00		81	52	64	37	5	VR	28.96	29.90
19	OVC	022			3.00	-RA BR	71	67	68	87	0	00	29.05	29.98	19	BKN	080			10.00		80	53	64	39	5	27	28.95	29.88
22	SCT	110			6.00	BR	69	66	67	90	3	22	29.09	30.01	22	CLR	NC			10.00		72	56	62	57	3	VR	28.97	29.90
SUNRISE: 0521      JUN 02      SUNSET: 1948														SUNRISE: 0519      JUN 08      SUNSET: 1951															
01	BKN	120			5.00	BR	69	66	67	90	3	VR	29.05	29.98	01	BKN	110			10.00		68	57	61	68	0	00	28.94	29.87
04	SCT	003			3.00	BR	67	65	66	93	0	00	29.01	29.93	04	BKN	110			10.00		64	58	60	81	0	00	28.93	29.86
07	BKN	003			1.75	BR	67	65	66	93	0	00	29.01	29.95	07	CLR	NC			10.00		67	59	62	76	0	00	28.96	29.89
10	SCT	020			8.00		75	65	69	71	7	26	29.02	29.95	10	OVC	046			10.00		76	60	66	58	3	VR	28.98	29.91
13	SCT	028			7.00		81	67	72	63	8	23	28.94	29.87	13	BKN	055			10.00		81	56	66	42	6	VR	28.97	29.89
16	OVC	100			5.00	-RA	68	63	65	84	5	VR	28.91	29.85	16	CLR	NC			10.00		83	54	65	37	7	34	28.95	29.88
19	BKN	100			6.00	-RA BR	69	66	67	90	5	VR	28.92	29.86	19	CLR	NC			10.00		80	55	65	42	7	VR	28.95	29.88
22	OVC	050			10.00		68	62	64	81	6	34	28.96	29.89	22	CLR	NC			10.00		73	57	63	57	5	VR	29.00	29.93
SUNRISE: 0520      JUN 03      SUNSET: 1948														SUNRISE: 0519      JUN 09      SUNSET: 1952															
01	OVC	033			10.00		65	58	61	78	3	VR	28.97	29.90	01	CLR	NC			10.00		67	58	62	73	0	00	28.99	29.92
04	CLR	NC			10.00		62	54	57	75	7	36	28.97	29.91	04	CLR	NC			10.00		64	58	60	81	0	00	29.00	29.93
07	CLR	NC			10.00		62	55	58	78	0	00	29.01	29.95	07	CLR	NC			9.00		65	59	61	81	0	00	29.04	29.97
10	CLR	NC			10.00		71	54	61	55	7	06	29.04	29.97	10	CLR	NC			10.00		76	58	65	54	3	VR	29.06	29.98
13	SCT	075			10.00		77	55	64	47	8	01	29.00	29.94	13	SCT	048			10.00		83	59	68	44	3	VR	29.02	29.94
16	FEW	060			10.00		80	50	62	35	5	36	28.96	29.90	16	FEW	065			10.00		85	55	66	36	8	30	28.97	29.90
19	CLR	NC			10.00		77	51	62	40	5	33	28.95	29.88	19	BKN	100			10.00		83	57	67	41	5	VR	28.95	29.88
22	CLR	NC			10.00		65	55	59	70	0	00	28.98	29.92	22	OVC	100			10.00		77	60	66	56	3	VR	28.97	29.88
SUNRISE: 0520      JUN 04      SUNSET: 1949														SUNRISE: 0519      JUN 10      SUNSET: 1952															
01	CLR	NC			10.00		59	55	57	87	0	00	28.98	29.92	01	CLR	NC			10.00		72	60	65	66	5	22	28.95	29.87
04	CLR	NC			10.00		57	54	55	90	0	00	28.96	29.90	04	CLR	NC			10.00		70	60	64	71	3	VR	28.93	29.85
07	OVC	100			9.00		60	56	58	87	0	00	28.99	29.93	07	CLR	NC			10.00		70	62	65	76	0	00	28.95	29.87
10	FEW	100			10.00		73	58	64	59	5	VR	28.98	29.92	10	CLR	NC			10.00		81	64	70	56	7	VR	28.95	29.87
13	OVC	095			10.00	-RA	66	58	61	76	9	35	28.96	29.91	13	CLR	NC			10.00		88	66	73	48	8	23	28.92	29.83
16	CLR	NC			10.00		74	57	64	56	7	10	28.91	29.85	16	FEW	060			10.00		91	65	73	42	7	VR	28.87	29.78
19	CLR	NC			10.00		71	59	64	66	6	15	28.92	29.86	19	FEW	070			10.00		88	64	72	45	5	25	28.87	29.78
22	OVC	090			10.00		65	60	62	84	0	00	28.97	29.90	22	CLR	NC			10.00		78	67	71	69	0	00	28.89	29.80
SUNRISE: 0520      JUN 05      SUNSET: 1949														SUNRISE: 0519      JUN 11      SUNSET: 1952															
01	CLR	NC			10.00		60	56	58	87	0	00	28.98	29.93	01	CLR	NC			10.00		75	67	70	76	3	20	28.91	29.82
04	CLR	NC			10.00		57	53	55	87	0	00	28.99	29.94	04	CLR	NC			10.00		72	66	68	82	0	00	28.90	29.81
07	CLR	NC			10.00		60	53	56	78	5	VR	29.05	29.99	07	CLR	NC			10.00		74	66	69	76	6	18	28.92	29.83
10	CLR	NC			10.00		68	49	57	51	7	VR	29.06	30.01	10	CLR	NC			10.00		85	65	72	51	6	VR	28.92	29.83
13	FEW	060			10.00		74	45	58	36	8	06	29.05	29.99	13	CLR	NC			10.00		90	65	73	44	8	20	28.92	29.83
16	SCT	085			10.00		75	46	59	36	6	VR	29.03	29.98	16	CLR	NC			10.00		93	58	70	31	9	27	28.88	29.79
19	CLR	NC			10.00		73	48	59	41	3	VR	29.03	29.97	19	CLR	NC			10.00		86	65	72	50	3	21	28.87	29.78
22	CLR	NC			10.00		61	52	56	72	0	00	29.05	29.99	22	CLR	NC			10.00		80	67	71	65	0	00	28.90	29.82
SUNRISE: 0520      JUN 06      SUNSET: 1950														SUNRISE: 0519      JUN 12      SUNSET: 1953															
01	CLR	NC			10.00		57	50	53	78	0	00	29.04	29.98	01	BKN	100			8.00	RA	71	63	66	76	3	05	28.95	29.87
04	CLR	NC			10.00		53	50	51	90	0	00	29.05	30.00	04	CLR	NC			10.00		67	64	65	90	0	00	28.95	29.86
07	CLR	NC			10.00		55	51	53	86	0	00	29.10	30.05	07	BKN	049			10.00		68	65	66	90	3	VR	28.98	29.91
10	CLR	NC			10.00		73	52	61	48	0	00	29.07	30.01	10	OVC	031			10.00		77	64	69	64	5	VR	29.00	29.92
13	CLR	NC			10.00		80	42	59	26	9	06	29.06	29.99	13	BKN	050			10.00		79	64	69	60	6	VR	29.01	29.93
16	CLR	NC			10.00		82	43	60	25	5	VR	29.01	29.95	16	BKN	045			10.00		81	63	69	54	8	05	28.98	29.91
19	FEW	080			10.00		77	47	60	35	5	VR	29.01	29.96	19	OVC	043			10.00		72	59	64	64	10	04	29.00	29.94
22	CLR	NC			10.00		64	52	57	65	0	00	29.03	29.96	22	BKN	050			10.00		68	55	60	63	7	VR	29.07	30.00

# OBSERVATIONS AT 3-HOURLY INTERVALS

# OAK RIDGE, TN

JUNE 2006

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		VISIBILITY (MILES)	WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)					
			Observation Time (LST)	Eff Clد Amt Oktas			DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	STATION				SEA LEVEL	Observation Time (LST)			Eff Clد Amt Oktas	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0519      JUN 13      SUNSET: 1953													SUNRISE: 0520      JUN 19      SUNSET: 1955																
01	OVC	037			10.00		67	54	59	63	6	VR	29.05	29.98	01	FEW	075			10.00		75	57	64	54	0	00	29.10	30.02
04	FEW	065			10.00		64	53	58	68	9	05	29.02	29.95	04	SCT	080			10.00		72	57	63	59	5	VR	29.09	30.01
07	CLR	NC			10.00		65	51	57	61	7	VR	29.03	29.97	07	OVC	070			10.00		73	57	63	57	5	VR	29.13	30.05
10	SCT	055			10.00		72	55	62	55	5	VR	29.05	29.99	10	BKN	055			9.00		71	66	68	84	3	VR	29.14	30.08
13	CLR	NC			10.00		80	59	67	49	12	06	29.03	29.96	13	BKN	060			10.00		80	62	68	54	7	VR	29.13	30.05
16	CLR	NC			10.00		82	62	69	51	7	VR	28.99	29.92	16	BKN	070			10.00		85	64	71	49	5	16	29.09	30.01
19	OVC	075			10.00		78	62	68	58	6	VR	29.00	29.93	19	SCT	055			8.00		76	71	73	85	3	01	29.08	30.01
22	CLR	NC			10.00		74	58	64	58	5	VR	29.01	29.94	22	CLR	NC			4.00	BR	72	70	71	93	0	00	29.13	30.06
SUNRISE: 0519      JUN 14      SUNSET: 1954													SUNRISE: 0520      JUN 20      SUNSET: 1956																
01	CLR	NC			10.00		71	57	63	61	3	05	29.00	29.93	01	CLR	NC			5.00	BR	69	67	68	93	0	00	29.12	30.04
04	CLR	NC			10.00		65	58	61	78	0	00	28.98	29.91	04	BKN	002			7.00		67	65	66	93	0	00	29.10	30.03
07	CLR	NC			10.00		67	57	61	70	0	00	29.01	29.94	07	OVC	001			1.75	BR	66	65	65	97	0	00	29.13	30.08
10	CLR	NC			10.00		77	58	65	52	7	08	29.03	29.95	10	CLR	NC			10.00		81	67	72	63	3	VR	29.14	30.07
13	CLR	NC			10.00		82	56	66	41	8	06	29.02	29.94	13	FEW	055			10.00		88	62	71	42	3	VR	29.13	30.04
16	CLR	NC			10.00		84	54	66	36	5	VR	29.01	29.94	16	CLR	NC			10.00		91	59	70	34	5	32	29.09	30.01
19	BKN	060			10.00		80	55	65	42	6	35	29.04	29.97	19	SCT	090			10.00		86	62	70	45	3	32	29.10	30.02
22	CLR	NC			10.00		70	56	62	61	0	00	29.10	30.03	22	CLR	NC			10.00		76	65	69	69	0	00	29.13	30.05
SUNRISE: 0519      JUN 15      SUNSET: 1954													SUNRISE: 0520      JUN 21      SUNSET: 1956																
01	CLR	NC			10.00		64	56	59	75	0	00	29.10	30.03	01	CLR	NC			10.00		69	65	66	87	0	00	29.14	30.06
04	CLR	NC			9.00		59	55	57	87	0	00	29.12	30.05	04	CLR	NC			7.00		67	64	65	90	0	00	29.13	30.05
07	CLR	NC			7.00		62	57	59	84	0	00	29.16	30.11	07	CLR	NC			7.00		69	65	66	87	0	00	29.17	30.10
10	CLR	NC			10.00		78	56	65	47	5	VR	29.19	30.13	10	CLR	NC			10.00		82	66	71	58	0	00	29.19	30.12
13	CLR	NC			10.00		83	52	64	34	8	35	29.18	30.12	13	FEW	050			10.00		88	65	73	47	7	16	29.18	30.11
16	CLR	NC			10.00		85	52	65	32	5	VR	29.14	30.08	16	CLR	NC			10.00		82	68	73	63	3	08	29.16	30.10
19	CLR	NC			10.00		82	52	64	35	3	VR	29.13	30.07	19	CLR	NC			10.00		78	68	71	71	5	06	29.16	30.10
22	CLR	NC			10.00		69	57	62	66	0	00	29.17	30.11	22	CLR	NC			10.00		73	67	69	82	0	00	29.17	30.10
SUNRISE: 0519      JUN 16      SUNSET: 1954													SUNRISE: 0520      JUN 22      SUNSET: 1956																
01	CLR	NC			10.00		63	57	60	81	3	06	29.18	30.12	01	CLR	NC			8.00		70	66	67	87	0	00	29.17	30.10
04	CLR	NC			10.00		61	56	58	84	3	02	29.19	30.13	04	CLR	NC			7.00		68	65	66	90	0	00	29.17	30.11
07	CLR	NC			10.00		64	56	59	75	3	06	29.21	30.15	07	CLR	NC			6.00	BR	69	66	67	90	0	00	29.22	30.16
10	CLR	NC			10.00		76	54	63	47	5	VR	29.24	30.18	10	CLR	NC			10.00		82	69	73	65	0	00	29.23	30.16
13	FEW	060			10.00		84	56	67	38	0	00	29.21	30.15	13	CLR	NC			10.00		93	65	74	40	0	00	29.21	30.13
16	CLR	NC			10.00		86	54	66	33	0	00	29.16	30.10	16	FEW	070			10.00		94	63	73	36	3	16	29.13	30.05
19	CLR	NC			10.00		85	56	67	37	0	00	29.15	30.09	19	CLR	NC			10.00		90	68	75	48	3	01	29.10	30.03
22	SCT	075			7.00		74	61	66	64	0	00	29.18	30.11	22	SCT	085			10.00		80	70	73	72	0	00	29.14	30.06
SUNRISE: 0519      JUN 17      SUNSET: 1955													SUNRISE: 0520      JUN 23      SUNSET: 1956																
01	CLR	NC			6.00	HZ	68	61	64	78	0	00	29.16	30.10	01	CLR	NC			7.00		76	70	72	82	3	16	29.13	30.05
04	CLR	NC			5.00	HZ	66	61	63	84	0	00	29.19	30.12	04	CLR	NC			5.00	BR	74	70	71	87	0	00	29.14	30.06
07	CLR	NC			5.00	HZ	69	61	64	76	3	VR	29.25	30.18	07	CLR	NC			10.00		73	66	68	79	5	06	29.17	30.09
10	CLR	NC			9.00		80	60	67	51	7	VR	29.24	30.18	10	CLR	NC			10.00		80	67	71	65	0	00	29.17	30.09
13	CLR	NC			10.00		87	58	69	37	7	17	29.21	30.14	13	FEW	049			10.00		90	66	74	45	5	VR	29.10	30.02
16	CLR	NC			10.00		88	58	69	36	8	19	29.15	30.09	16	CLR	NC			6.00	-RA BR	73	69	70	87	0	00	29.09	30.02
19	BKN	070			10.00		84	58	68	41	5	VR	29.14	30.08	19	SCT	060			10.00	-RA	71	68	69	90	0	00	29.10	30.04
22	CLR	NC			10.00		80	59	67	49	5	VR	29.17	30.10	22	CLR	NC			10.00		70	67	68	90	0	00	29.12	30.05
SUNRISE: 0519      JUN 18      SUNSET: 1955													SUNRISE: 0521      JUN 24      SUNSET: 1956																
01	CLR	NC			9.00		76	58	65	54	0	00	29.17	30.09	01	OVC	005			10.00		69	66	67	90	0	00	29.12	30.03
04	CLR	NC			7.00		68	59	63	73	0	00	29.16	30.09	04	OVC	001			0.75	BR	67	66	66	97	3	19	29.10	30.03
07	CLR	NC			6.00	HZ	69	60	64	73	0	00	29.21	30.14	07	OVC	001			0.75	BR	66	64	65	93	0	00	29.12	30.06
10	CLR	NC			10.00		79	59	67	50	10	22	29.22	30.15	10	OVC	015			10.00		74	66	69	76	5	VR	29.15	30.09
13	SCT	055			10.00		86	59	69	40	7	VR	29.16	30.08	13	SCT	028			7.00		80	66	71	62	6	VR	29.12	30.05
16	FEW	060			10.00		87	58	69	37	8	22	29.10	30.03	16	FEW	110			7.00		85	65	72	51	8	29	29.06	29.98
19	FEW	120			10.00		84	60	69	44	6	23	29.10	30.02	19	CLR	NC			10.00		77	67	70	71	7	09	29.05	29.98
22	OVC	070			10.00		81	59	67	47	5	VR	29.13	30.05	22	CLR	NC			10.00		73	66	68	79	0	00	29.06	29.99

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

JUNE 2006

KOQT

WBAN # 53868

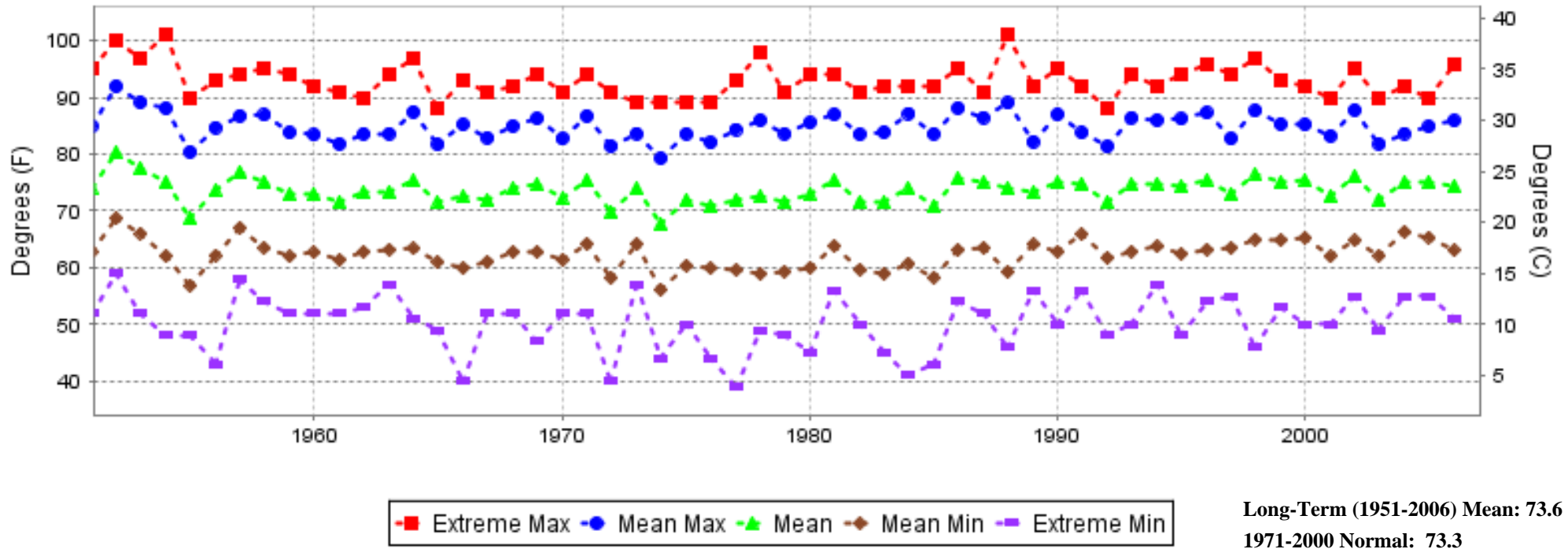
Table with columns: HOUR (LST), SKY COVER, CEILING 100's of FT., SATELLITE (Observation Time (LST), Eff Cld Amt Oktas), VISIBILITY (MILES), WEATHER, TEMPERATURE °F (DRY BULB, DEW POINT, WET BULB), RELATIVE HUMIDITY (PCT), WIND (SPEED (MPH), DIRECTION Tens of Deg), PRESSURE (INCHES, HG) (STATION, SEA LEVEL). Rows include dates JUN 25 to JUN 30.

Table with columns: HOUR (LST), SKY COVER, CEILING 100's of FT., SATELLITE (Observation Time (LST), Eff Cld Amt Oktas), VISIBILITY (MILES), WEATHER, TEMPERATURE °F (DRY BULB, DEW POINT, WET BULB), RELATIVE HUMIDITY (PCT), WIND (SPEED (MPH), DIRECTION Tens of Deg), PRESSURE (INCHES, HG) (STATION, SEA LEVEL). Rows are mostly empty.

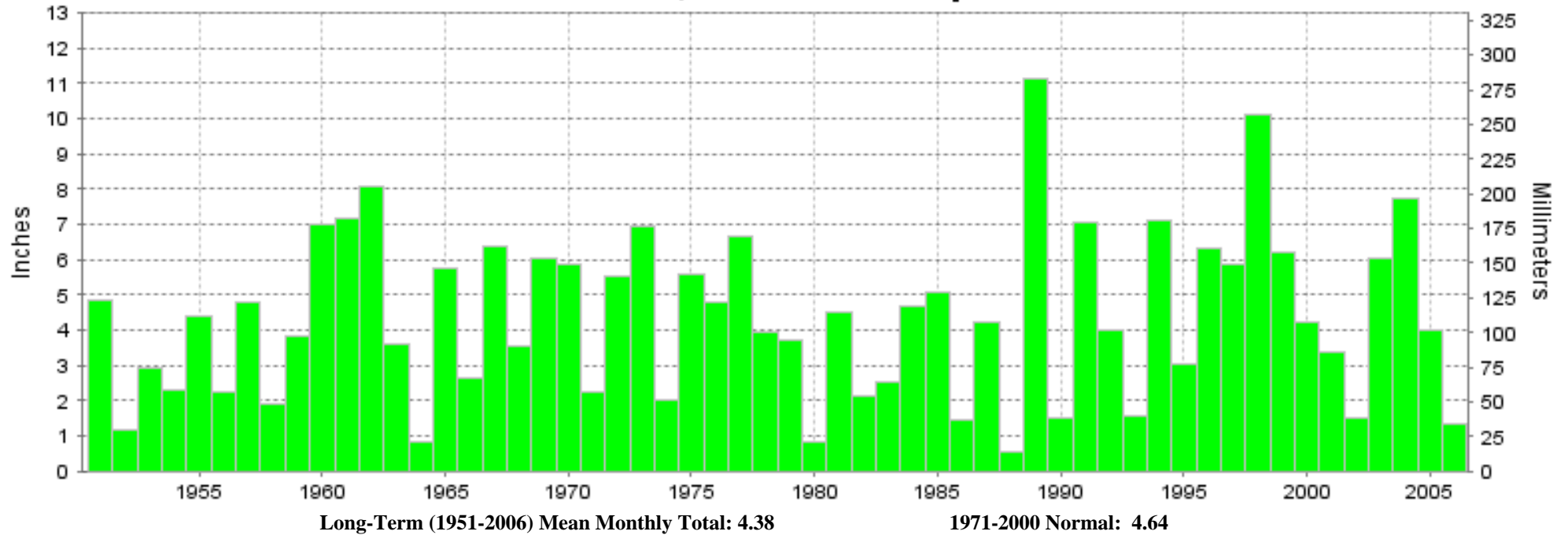
3-HOURLY OBSERVATION NOTES
Sky Cover is the amount of the sky obscured. CLR or SKC = 0, FEW = 1/8-2/8, SCT = 3/8-4/8, BKN = 5/8-7/8, OVC = 8/8, W = Vertical Visibility = 8/8
Ceiling is reported in hundreds of feet above ground level for clouds at or below 12,000 feet. NC = No Ceiling detected.
& = Original observation contained additional weather elements. See page 3 for additional notes.

SUMMARY BY HOUR
Table with columns: HOUR (LST), CEILOMETER, EFF CLD AMT, DRY BULB, DEW POINT, WET BULB, RELATIVE HUMIDITY, PRESSURE (Inches, HG) (STATION, SEA LEVEL), VISIBILITY (Miles), WIND SPEED (MPH), RESULTANT WIND (MPH) (SPEED, DIRECTION). Rows 01-24.

# OAK RIDGE, TN JUNE Temperatures



# OAK RIDGE, TN JUNE Precipitation





**JUNE 2006  
OAK RIDGE, TN**

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NOAA, National Climatic Data Center**

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