

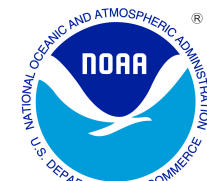


MAY 2006

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	1300 LST	2400 LST	2400 LST	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM					
																			5-SEC		2-MIN			
01	74	47	61	0	49	54	4	0	RA FG BR			T	29.23	30.20	0.3	25	1.9	13	18	9	18	01		
02	70	51	61	-1	54	56	4	0	RA BR			0.05	29.13	30.08	1.9	24	2.9	23	27	15	26	02		
03	81	53	67	5	52	57	0	2	FG+ BR			0.00	29.10	30.05	0.1	23	0.9	9	05	8	06	03		
04	80	55	68	6	58	61	0	3	RA BR			0.15	29.02	29.96	0.8	24	3.1	14	23	9	27	04		
05	71	56	64	1	60	61	1	0	RA BR			0.11	28.95	29.89	0.2	04	1.7	12	35	8	07	05		
06	73	50	62	-1	51	55	3	0	FG+ BR			0.00	28.98	29.94	0.9	08	2.3	12	07	10	07	06		
07	65	54	60	-3	55	57	5	0	RA BR			0.23	28.97	29.93	2.4	05	4.2	13	07	12	07	07		
08	72	55	64	1	53	57	1	0	RA BR			T	29.00	29.97	0.4	08	1.6	8	14	7	13	08		
09	71	53	62	-2	55	58	3	0	FG+ BR HZ			0.00	28.99	29.94	0.4	28	2.6	12	27	8	25	09		
10	74	62	68	4	59	62	0	3	RA HZ			0.01	28.85	29.79	3.6	23	6.1	24	21	16	22	10		
11	67	50	59	-5	49	54	6	0	RA BR			0.17	28.74	29.70	6.1	26	8.1	24	27	18	27	11		
12	69	49	59	-6	42	49	6	0				0.00	28.81	29.78	3.1	23	5.6	22	21	16	22	12		
13	76	44	60	-5	42	52	5	0				0.00	28.84	29.79	3.6	22	4.6	24	20	17	20	13		
14	64	51	58	-7	43	50	7	0	RA			T	28.88	29.85	1.6	26	3.9	20	27	13	26	14		
15	59	43*	51*	-14	43	48	14	0	RA			0.03	28.96	29.94	2.3	25	3.7	21	22	14	23	15		
16	61	49	55	-11	48	51	10	0	RA FG+ BR			0.03	28.91	29.87	0.5	14	2.3	12	26	9	26	16		
17	70	49	60	-6	49	53	5	0	RA FG BR			T	28.82		1.3	27	3.2	16	26	12	28	17		
18	72	50	61	-5	49	53	4	0	RA			0.19	28.73	29.71	2.4	27	5.5	23	27	15	36	18		
19	77	44	61	-5	47	53	4	0	RA BR			0.11	28.88	29.85	2.4	25	4.5	22	27	15	27	19		
20	79	58	69	2	61	63	0	4	RA BR			0.65	28.89	29.83	0.5	25	3.4	17	35	14	36	20		
21	80	60	70	3	61	64	0	5	RA FG+ FG BR			T	28.96	29.91	3.4	22	4.1	18	22	14	19	21		
22	74	58	66	-1	56	60	0	1	RA BR			T	29.08	30.04	1.1	09	2.4	10	36	8	01	22		
23	79	52	66	-2	44	54	0	1				0.00	29.15	30.11	1.4	04	3.3	15	06	12	06	23		
24	83	48	66	-2	46	55	0	1				0.00	29.12	30.06	0.4	14	2.6	12	20	9	15	24		
25	82	60	71	3	62	65	0	6	RA BR			0.47	28.97	29.89	1.3	20	2.7	15	20	12	20	25		
26	88	65	77	9	63	68	0	12	RA BR			0.07	28.85	29.78	4.4	26	5.7	25*	28	18*	28	26		
27	88	69	79	10	66	70	0	14	RA BR			T	28.97	29.91	0.4	04	1.8	13	21	9	18	27		
28	90	64	77	8	64	68	0	12	BR			0.00	29.13	30.07	0.6	07	2.5	13	09	9	06	28		
29	90	65	78	9	65	69	0	13	BR HZ			0.00	29.17	30.10	0.5	07	1.4	10	07	8	14	29		
30	92*	66	79	10	65	70	0	14	BR HZ			0.00	29.15	30.07	0.4	04	2.1	13	19	9	08	30		
31	91	70	81*	11	65	70	0	16	BR HZ			0.00	29.15	30.08	0.1	12	2.1	20	08	14	10	31		

76.2		54.8		65.5		☼	54.1		58.6		2.6		3.5		< MONTHLY AVERAGES TOTALS >				2.27		28.98		29.93		0.9		24		3.3		< MONTHLY AVERAGES			
-1.6		1.4		-0.1			<----- DEPARTURE FROM NORMAL ----->										-2.87		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3															
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 0.76 DATE : 19-20										SEA LEVEL PRESSURE				DATE TIME										
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL :					DATE :					MAXIMUM :				30.26				01 1053						
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH :					DATE :					MINIMUM :				29.59				11 0457						
HEATING :		82		2		3411		-576		NUMBER OF -> DAYS WITH		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		0		PRECIPITATION >= 0.01 INCH :				13										
COOLING :		107		12		174		58		MAXIMUM TEMP <= 32 :		0		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :				8												
										THUNDERSTORMS :		0		HEAVY FOG :		5		SNOWFALL >= 1.0 INCH :																

MAY 2006
 OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
MAY 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	T	T	
02													02				T	T							02	0.05	0.05	
03													03												03	0.00	0.00	
04													04						T	0.03	0.04	0.04	0.03		0.01	0.15	0.15	
05	T												05	0.07	0.03	0.01									05	0.11	0.11	
06													06												06	0.00	0.00	
07	T			0.02	T	0.05	0.10	0.04					07	T	T				0.01	0.01	T	T			07	0.23	0.23	
08	T												08												08	T	T	
09													09												09	0.00	0.00	
10													10				0.01								10	0.01	0.01	
11					T	0.04	T						11								0.01	0.07	0.01	T	11	0.17	0.17	
12													12												12	0.00	0.00	
13													13												13	0.00	0.00	
14													14						T						14	T	T	
15													15		T	0.03						T	T		15	0.03	0.03	
16				T									16			T	T		0.03	T					16	0.03	0.03	
17													17		T	T									17	T	T	
18				T	T					0.03			18	0.02	0.14	T	T								18	0.19	0.19	
19													19												19	0.11	0.11	
20	0.09	0.14	0.32	T	0.03								20		T	0.07	T			T	T	T	0.09	0.02	20	0.65	0.65	
21													21												21	T	T	
22													22												22	T	T	
23													23												23	0.00	0.00	
24													24												24	0.00	0.00	
25							0.09	0.27	0.11				25												25	0.47	0.47	
26				0.01	0.05	0.01							26												26	0.07	0.07	
27		T											27												27	T	T	
28													28												28	0.00	0.00	
29													29												29	0.00	0.00	
30													30												30	0.00	0.00	
31													31												31	0.00	0.00	

* 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)	0.11	0.16	0.16	0.17	0.24	0.31	0.38	0.46	0.46	0.53	0.55	0.55
Ending Date	18	25	25	25	25	20	20	20	20	20	20	20
Ending Time (Hr/Min)	1306	0756	0756	0756	0755	0227	0243	0253	0253	0253	0253	0253

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 MAY 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							0.50	10.00	
02							5.00	10.00	
03							0.25	10.00	
04							3.00	10.00	
05							3.00	10.00	
06							0.00	10.00	
07							3.00	10.00	
08							4.00	10.00	
09							0.75	10.00	
10							5.00	10.00	
11							3.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							10.00	10.00	
15							10.00	10.00	
16							0.25	10.00	
17							2.50	10.00	
18							8.00	10.00	
19							6.00	10.00	
20							3.00	10.00	
21							0.25	10.00	
22							3.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							0.75	10.00	
26							6.00	10.00	
27							6.00	10.00	
28							2.00	10.00	
29							0.75	10.00	
30							2.00	10.00	
31							3.00	10.00	
MONTHLY AVGS							4.23	10.00	
SUNSHINE (Minutes)									
Total :					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0				>= 7.0		
4			18				7		

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MAY 2006

KOQT

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 Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0544						MAY 01						SUNSET: 1923																	
01	OVC	055			10.00		52	49	50	90	0	00	29.26	30.23	01	OVC	110			10.00		59	54	56	84	5	06	28.99	29.94
04	OVC	075			10.00		51	48	49	90	0	00	29.24	30.22	04	OVC	095			10.00	-RA	57	53	55	87	0	00	28.96	29.91
07	OVC	050			10.00		49	47	48	93	0	00	29.27	30.25	07	OVC	055			3.00	RA BR	55	52	53	90	5	05	29.00	29.96
10	BKN	095			10.00		59	44	51	58	3	VR	29.29	30.26	10	OVC	065			10.00		58	53	55	84	5	VR	29.01	29.96
13	CLR	NC			10.00		66	46	55	49	3	VR	29.24	30.21	13	OVC	014			10.00	-RA	62	55	58	78	6	06	28.98	29.93
16	CLR	NC			10.00		73	49	59	43	6	VR	29.18	30.14	16	BKN	070			10.00		64	56	59	75	6	07	28.94	29.89
19	CLR	NC			10.00		71	49	59	46	5	28	29.17	30.14	19	OVC	060			8.00		60	56	58	87	3	VR	28.96	29.92
22	CLR	NC			10.00		59	53	56	81	0	00	29.19	30.16	22	OVC	014			7.00	-RA	59	56	57	90	3	01	29.00	29.96
SUNRISE: 0543						MAY 02						SUNSET: 1924																	
01	CLR	NC			10.00		55	51	53	86	0	00	29.17	30.14	01	OVC	020			8.00		58	55	56	90	0	00	29.00	29.95
04	CLR	NC			10.00		52	49	50	90	0	00	29.13	30.09	04	OVC	008			10.00		57	53	55	87	5	06	28.99	29.94
07	FEW	120			10.00		54	50	52	86	3	28	29.18	30.14	07	OVC	014			10.00		57	53	55	87	5	06	29.03	29.99
10	OVC	090			10.00		58	55	56	90	3	16	29.21	30.18	10	OVC	012			10.00		60	53	56	78	0	00	29.06	30.02
13	FEW	090			10.00		64	56	59	75	5	VR	29.12	30.07	13	SCT	050			10.00		67	55	60	66	3	VR	29.03	29.98
16	SCT	085			10.00		65	55	59	70	6	VR	29.10	30.06	16	BKN	060			10.00		70	51	59	51	0	00	28.98	29.93
19	FEW	043			10.00		65	56	60	73	5	20	29.06	30.02	19	FEW	055			10.00		67	53	59	61	0	00	28.98	29.93
22	CLR	NC			10.00		59	56	57	90	3	23	29.08	30.04	22	CLR	NC			7.00		59	55	57	87	0	00	29.01	29.97
SUNRISE: 0542						MAY 03						SUNSET: 1924																	
01	CLR	NC			6.00	BR	56	53	54	90	0	00	29.09	30.04	01	CLR	NC			3.00	BR	55	53	54	93	3	06	28.99	29.94
04	VV	001			0.25	FG	55	54	54	96	3	23	29.10	30.06	04	OVC	021			0.75	BR	53	52	52	96	0	00	28.99	29.95
07	VV	001			0.25	FG	55	54	54	96	0	00	29.14	30.11	07	OVC	013			5.00	BR	56	54	55	93	0	00	29.04	29.99
10	CLR	NC			10.00		64	56	59	75	0	00	29.16	30.12	10	BKN	026			8.00		62	55	58	78	6	28	29.05	30.01
13	CLR	NC			10.00		74	50	60	43	3	VR	29.10	30.06	13	OVC	035			8.00		67	55	60	66	0	00	29.00	29.96
16	CLR	NC			10.00		81	47	61	30	6	VR	29.05	29.99	16	OVC	048			8.00		70	57	62	64	6	VR	28.95	29.91
19	CLR	NC			10.00		75	48	60	39	0	00	29.03	29.98	19	BKN	095			6.00	HZ	68	59	63	73	6	26	28.95	29.90
22	CLR	NC			10.00		62	52	56	70	0	00	29.06	30.01	22	FEW	040			6.00	HZ	66	58	61	76	0	00	28.93	29.88
SUNRISE: 0541						MAY 04						SUNSET: 1925																	
01	CLR	NC			10.00		57	53	55	87	0	00	29.07	30.02	01	OVC	090			6.00	HZ	64	58	60	81	5	24	28.95	29.89
04	CLR	NC			10.00		57	52	54	83	3	06	29.05	29.98	04	OVC	031			7.00		63	57	60	81	5	VR	28.94	29.88
07	BKN	085			10.00		58	53	55	84	0	00	29.07	30.01	07	OVC	032			6.00	HZ	64	57	60	78	3	VR	28.93	29.87
10	CLR	NC			10.00		72	58	64	62	5	VR	29.07	30.01	10	OVC	021			7.00		65	58	61	78	5	22	28.95	29.90
13	SCT	090			10.00		73	58	64	59	3	VR	29.03	29.98	13	FEW	027			10.00		73	60	65	64	8	23	28.84	29.77
16	FEW	049			10.00		79	57	65	47	8	22	28.97	29.91	16	BKN	024			8.00		68	62	64	81	7	VR	28.84	29.78
19	OVC	055			3.00	RA	69	64	66	84	5	VR	28.96	29.91	19	CLR	NC			10.00		68	60	63	76	6	25	28.71	29.65
22	OVC	100			9.00	-RA	66	63	64	90	0	00	28.97	29.91	22	OVC	015			10.00		66	60	62	81	7	VR	28.74	29.69
SUNRISE: 0540						MAY 05						SUNSET: 1926																	
01	BKN	110			5.00	BR	65	63	64	93	0	00	28.96	29.90	01	OVC	020			10.00		65	57	60	75	6	VR	28.70	29.63
04	OVC	004			5.00	BR	64	62	63	93	0	00	28.94	29.88	04	OVC	049			10.00		63	58	60	84	7	VR	28.67	29.60
07	OVC	041			6.00	BR	64	62	63	93	0	00	28.96	29.90	07	OVC	055			10.00		59	53	56	81	9	26	28.71	29.66
10	SCT	014			9.00		69	63	65	81	0	00	28.96	29.90	10	BKN	045			10.00		60	50	55	70	13	28	28.77	29.71
13	OVC	035			3.00	RA BR	66	62	64	87	5	VR	28.95	29.89	13	FEW	043			10.00		62	44	53	52	10	27	28.82	29.77
16	OVC	085			10.00		66	57	61	73	3	VR	28.91	29.85	16	BKN	070			10.00		65	40	52	40	9	24	28.77	29.71
19	BKN	100			10.00		63	57	59	81	0	00	28.93	29.88	19	SCT	065			10.00		63	44	53	50	5	21	28.76	29.70
22	CLR	NC			10.00		57	55	56	93	0	00	28.97	29.92	22	OVC	065			10.00	-RA	52	48	50	86	7	27	28.84	29.80
SUNRISE: 0539						MAY 06						SUNSET: 1927																	
01	CLR	NC			8.00		55	53	54	93	0	00	28.97	29.93	01	OVC	044			10.00		51	46	48	83	7	VR	28.83	29.79
04	VV	001			0.25	FG	51	50	50	96	0	00	28.95	29.91	04	OVC	032			10.00		50	45	48	83	5	21	28.81	29.77
07	OVC	001			1.50	BR	50	49	49	96	0	00	29.01	29.97	07	OVC	026			10.00		50	44	47	80	3	VR	28.82	29.78
10	CLR	NC			10.00		65	49	56	56	7	07	29.02	29.98	10	OVC	050			10.00		55	43	49	64	6	VR	28.83	29.80
13	SCT	060			10.00		69	49	58	49	5	13	29.00	29.95	13	BKN	055			10.00		62	39	50	43	13	21	28.81	29.78
16	CLR	NC			10.00		71	49	59	46	6	VR	28.98	29.93	16	BKN	075			10.00		66	36	51	33	12	25	28.77	29.73
19	CLR	NC			10.00		68	51	58	55	0	00	28.98	29.94	19	BKN	090			10.00		65	38	51	37	3	VR	28.80	29.75
22	CLR	NC			10.00		62	53	57	73	0	00	29.00	29.95	22	CLR	NC			10.00		53	44	48	72	0	00	28.85	29.82

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MAY 2006

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)		HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)				STATION	SEA LEVEL		Observation Time (LST)	Eff Cld Amt Oktas	VISIBILITY (MILES)		DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL		
																												WEATHER	WEATHER
SUNRISE: 0532						MAY 13						SUNSET: 1933																	
01	CLR	NC			10.00	48	43	46	83	0	00	28.86	29.83	01	CLR	NC			10.00	49	46	47	89	0	00	28.86	29.83		
04	CLR	NC			10.00	44	41	43	89	0	00	28.86	29.83	04	CLR	NC			10.00	46	44	45	93	0	00	28.86	29.82		
07	CLR	NC			10.00	49	43	46	80	0	00	28.89	29.85	07	CLR	NC			10.00	48	45	47	89	6	VR	28.90	29.85		
10	CLR	NC			10.00	65	46	55	50	6	VR	28.88	29.84	10	CLR	NC			10.00	62	46	54	56	7	VR	28.93	29.89		
13	FEW	065			10.00	73	42	56	33	9	22	28.82	29.77	13	SCT	090			10.00	70	38	54	31	6	VR	28.90	29.85		
16	SCT	100			10.00	75	41	57	30	8	22	28.77	29.72	16	BKN	095			10.00	73	44	57	35	10	26	28.88	29.83		
19	BKN	100			10.00	71	38	54	30	5	VR	28.79	29.74	19	SCT	100			10.00	68	51	58	55	5	20	28.88	29.84		
22	OVC	110			10.00	67	43	54	42	0	00	28.82	29.76	22	BKN	090			10.00	62	54	57	75	6	25	28.91	29.86		
SUNRISE: 0531						MAY 14						SUNSET: 1934																	
01	CLR	NC			10.00	56	50	53	80	0	00	28.83	29.78	01	OVC	090			4.00	RA	BR	59	56	57	90	5	VR	28.88	29.82
04	OVC	020			10.00	56	48	52	75	0	00	28.82	29.77	04	OVC	110			10.00	60	57	58	90	0	00	28.85	29.79		
07	BKN	075			10.00	52	47	49	83	5	VR	28.86	29.81	07	FEW	060			7.00			60	58	59	93	0	00	28.89	29.84
10	CLR	NC			10.00	60	43	51	54	7	VR	28.89	29.84	10	CLR	NC			10.00	70	61	64	73	5	VR	28.90	29.85		
13	BKN	080			10.00	62	39	51	43	7	VR	28.90	29.86	13	BKN	065			10.00	78	63	68	60	3	VR	28.89	29.82		
16	OVC	080			10.00	61	40	50	46	6	VR	28.91	29.87	16	BKN	050			10.00	74	66	69	76	3	VR	28.87	29.81		
19	OVC	100			10.00	57	41	49	55	0	00	28.94	29.91	19	BKN	048			10.00	71	65	67	81	5	04	28.90	29.84		
22	OVC	090			10.00	55	43	49	64	0	00	28.98	29.94	22	FEW	120			10.00	67	60	63	78	3	VR	28.93	29.87		
SUNRISE: 0531						MAY 15						SUNSET: 1934																	
01	OVC	100			10.00	52	42	47	69	6	26	28.96	29.92	01	OVC	120			9.00			64	61	62	90	0	00	28.96	29.90
04	CLR	NC			10.00	48	42	45	80	0	00	28.95	29.91	04	OVC	003			5.00	BR		61	59	60	93	0	00	28.95	29.89
07	BKN	046			10.00	47	43	45	86	0	00	28.99	29.96	07	CLR	NC			7.00			61	59	60	93	0	00	28.98	29.92
10	OVC	060			10.00	53	42	48	66	5	VR	29.01	29.98	10	FEW	015			10.00	72	62	66	71	5	VR	28.97	29.91		
13	BKN	060			10.00	57	41	49	55	7	VR	28.96	29.93	13	CLR	NC			10.00	78	63	68	60	8	21	28.96	29.89		
16	BKN	090			10.00	57	45	51	64	6	21	28.96	29.93	16	CLR	NC			10.00	74	64	68	71	10	21	28.93	29.87		
19	FEW	070			10.00	55	43	49	64	5	29	28.96	29.94	19	FEW	120			10.00	73	61	66	66	8	26	28.97	29.91		
22	OVC	055			10.00	53	46	49	77	3	22	28.97	29.94	22	BKN	100			10.00	69	59	63	71	3	22	29.01	29.94		
SUNRISE: 0530						MAY 16						SUNSET: 1935																	
01	OVC	060			10.00	50	46	48	86	5	VR	28.94	29.91	01	CLR	NC			10.00	64	60	62	87	3	24	29.03	29.96		
04	OVC	022			10.00	51	47	49	86	3	VR	28.93	29.90	04	CLR	NC			6.00	BR		59	57	58	93	0	00	29.06	30.00
07	CLR	NC			10.00	53	48	50	83	0	00	28.94	29.91	07	BKN	110			10.00	62	53	57	73	3	07	29.10	30.04		
10	BKN	032			10.00	59	45	52	60	3	VR	28.93	29.90	10	BKN	080			10.00	64	53	58	68	3	08	29.13	30.09		
13	OVC	049			10.00	59	46	52	62	7	07	28.91	29.88	13	BKN	110			10.00	65	53	58	65	3	21	29.15	30.11		
16	BKN	080			10.00	59	50	54	72	5	19	28.88	29.85	16	CLR	NC			10.00	72	57	63	59	0	00	29.09	30.03		
19	FEW	065			9.00	59	53	56	81	0	00	28.86	29.82	19	CLR	NC			10.00	71	59	64	66	5	16	29.09	30.03		
22	SCT	050			4.00	52	50	51	93	0	00	28.87	29.83	22	CLR	NC			5.00	BR		62	59	60	90	0	00	29.13	30.08
SUNRISE: 0529						MAY 17						SUNSET: 1936																	
01	OVC	090			2.50	50	48	49	93	0	00	28.85	29.81	01	CLR	NC			10.00			57	51	54	80	5	05	29.12	30.08
04	OVC	090			6.00	52	50	51	93	0	00	28.82	29.78	04	CLR	NC			10.00			54	44	49	69	0	00	29.13	30.09
07	OVC	004			6.00	52	50	51	93	3	VR	28.84	29.80	07	CLR	NC			10.00			56	45	50	67	3	VR	29.19	30.15
10												28.85		10	CLR	NC			10.00			67	43	54	42	6	01	29.21	30.16
13	BKN	090			10.00	64	49	56	58	6	VR	28.81	29.77	13	CLR	NC			10.00			74	41	56	31	5	VR	29.17	30.12
16	FEW	100			10.00	68	48	57	49	6	VR	28.77	29.72	16	CLR	NC			10.00			78	42	58	28	5	VR	29.13	30.07
19	OVC	090			10.00	66	46	55	49	5	VR	28.77	29.73	19	CLR	NC			10.00			75	43	58	32	3	05	29.13	30.07
22	CLR	NC			10.00	59	48	53	67	0	00	28.81		22	CLR	NC			10.00			61	44	52	54	3	07	29.15	30.11
SUNRISE: 0528						MAY 18						SUNSET: 1937																	
01	CLR	NC			10.00	53	48	50	83	5	25	28.78	29.74	01	CLR	NC			10.00			53	46	49	77	0	00	29.15	30.11
04	OVC	110			10.00	53	49	51	86	5	21	28.76	29.70	04	CLR	NC			10.00			50	46	48	86	0	00	29.14	30.10
07	BKN	100			9.00	55	50	52	83	5	23	28.74	29.69	07	CLR	NC			10.00			52	47	49	83	0	00	29.18	30.14
10	SCT	070			10.00	62	55	58	78	6	21	28.76	29.70	10	CLR	NC			10.00			68	45	56	44	0	00	29.17	30.13
13	OVC	085			10.00	67	53	59	61	8	24	28.70	29.64	13	CLR	NC			10.00			78	45	60	31	7	VR	29.13	30.08
16	FEW	085			10.00	68	50	58	53	8	27	28.68	29.62	16	CLR	NC			10.00			82	34	57	18	5	VR	29.09	30.03
19	FEW	100			10.00	68	38	53	33	13	28	28.73	29.67	19	CLR	NC			10.00			80	43	59	27	5	20	29.03	29.97
22	OVC	100			10.00	52	46	49	80	7	05	28.85	29.82	22	CLR	NC			10.00			64	52	57	65	0	00	29.05	30.00

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

MAY 2006

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL
SUNRISE: 0524 MAY 25 SUNSET: 1942													
01	CLR	NC				62	53	57	73	0	00	29.05	29.98
04	CLR	NC				62	53	57	73	0	00	29.01	29.94
07	OVC	055			-RA BR	61	58	59	90	3	36	29.05	29.99
10	CLR	NC				66	62	64	87	0	00	29.04	29.98
13	CLR	NC				75	64	68	69	8	21	28.99	29.93
16	CLR	NC				80	65	70	60	5	VR	28.90	29.84
19	OVC	050				81	67	72	63	5	17	28.84	29.77
22	FEW	065				75	68	70	79	0	00	28.85	29.78
SUNRISE: 0523 MAY 26 SUNSET: 1943													
01	CLR	NC				71	66	68	84	0	00	28.87	29.80
04	BKN	110			-RA	69	61	64	76	3	18	28.87	29.80
07	BKN	090				67	62	64	84	3	VR	28.88	29.81
10	CLR	NC				73	63	67	71	9	25	28.89	29.82
13	FEW	045				84	65	71	53	9	25	28.85	29.77
16	CLR	NC				87	59	69	39	12	27	28.81	29.73
19	CLR	NC				84	61	69	46	8	25	28.82	29.75
22	CLR	NC				73	64	67	74	0	00	28.87	29.80
SUNRISE: 0523 MAY 27 SUNSET: 1944													
01	CLR	NC				73	68	70	84	0	00	28.90	29.82
04	CLR	NC				71	67	68	87	3	27	28.92	29.83
07	FEW	055			BR	70	67	68	90	0	00	28.96	29.88
10	CLR	NC				81	67	72	63	5	VR	29.01	29.93
13	BKN	055				85	65	72	51	3	VR	29.01	29.93
16	BKN	050				88	64	72	45	7	01	29.00	29.91
19	CLR	NC				84	63	70	49	0	00	29.01	29.93
22	CLR	NC				75	66	69	74	0	00	29.06	29.98
SUNRISE: 0523 MAY 28 SUNSET: 1944													
01	CLR	NC				68	65	66	90	3	06	29.08	30.01
04	CLR	NC			BR	65	63	64	93	3	05	29.10	30.03
07	CLR	NC			BR	66	63	64	90	0	00	29.15	30.09
10	CLR	NC				80	62	68	54	5	VR	29.19	30.12
13	FEW	055				86	64	71	48	5	08	29.15	30.08
16	CLR	NC				87	59	69	39	6	06	29.13	30.06
19	CLR	NC				83	67	72	59	6	26	29.13	30.06
22	CLR	NC				73	68	70	84	0	00	29.15	30.08
SUNRISE: 0522 MAY 29 SUNSET: 1945													
01	CLR	NC				69	66	67	90	0	00	29.17	30.10
04	CLR	NC			BR	66	64	65	93	0	00	29.15	30.08
07	CLR	NC			BR	67	64	65	90	0	00	29.22	30.15
10	CLR	NC				80	66	71	62	0	00	29.23	30.16
13	FEW	060				87	62	71	43	3	07	29.20	30.13
16	CLR	NC				89	60	70	38	5	08	29.13	30.06
19	CLR	NC				84	65	71	53	0	00	29.12	30.04
22	CLR	NC			HZ	76	70	72	82	0	00	29.15	30.08
SUNRISE: 0522 MAY 30 SUNSET: 1946													
01	CLR	NC				70	67	68	90	0	00	29.15	30.08
04	CLR	NC			BR	68	65	66	90	0	00	29.15	30.08
07	CLR	NC			BR	68	65	66	90	0	00	29.19	30.13
10	CLR	NC				81	67	72	63	5	VR	29.18	30.11
13	CLR	NC				89	62	71	41	6	VR	29.15	30.08
16	CLR	NC				91	62	72	38	5	VR	29.10	30.01
19	CLR	NC				87	66	73	50	0	00	29.10	30.02
22	CLR	NC				80	67	71	65	3	26	29.13	30.06

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND SPEED (MPH) DIRECTION Tens of Deg	PRESSURE (INCHES, HG)									
			Observation Time (LST)	Eff Cld Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT		WET BULB	RELATIVE HUMIDITY (PCT)	STATION	SEA LEVEL						
SUNRISE: 0521 MAY 31 SUNSET: 1946																			
01	CLR	NC				7.00						73	68	70	84	0	00	29.14	30.07
04	CLR	NC				6.00	BR					70	67	68	90	0	00	29.14	30.06
07	CLR	NC				4.00	BR					72	68	69	87	0	00	29.17	30.09
10	CLR	NC				9.00						81	66	71	60	0	00	29.17	30.10
13	CLR	NC				8.00						88	62	71	42	8	18	29.15	30.08
16	CLR	NC				7.00						84	67	73	57	5	VR	29.10	30.03
19	CLR	NC				10.00						79	62	68	56	0	00	29.13	30.07
22	CLR	NC				10.00						74	63	67	69	0	00	29.18	30.11

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.

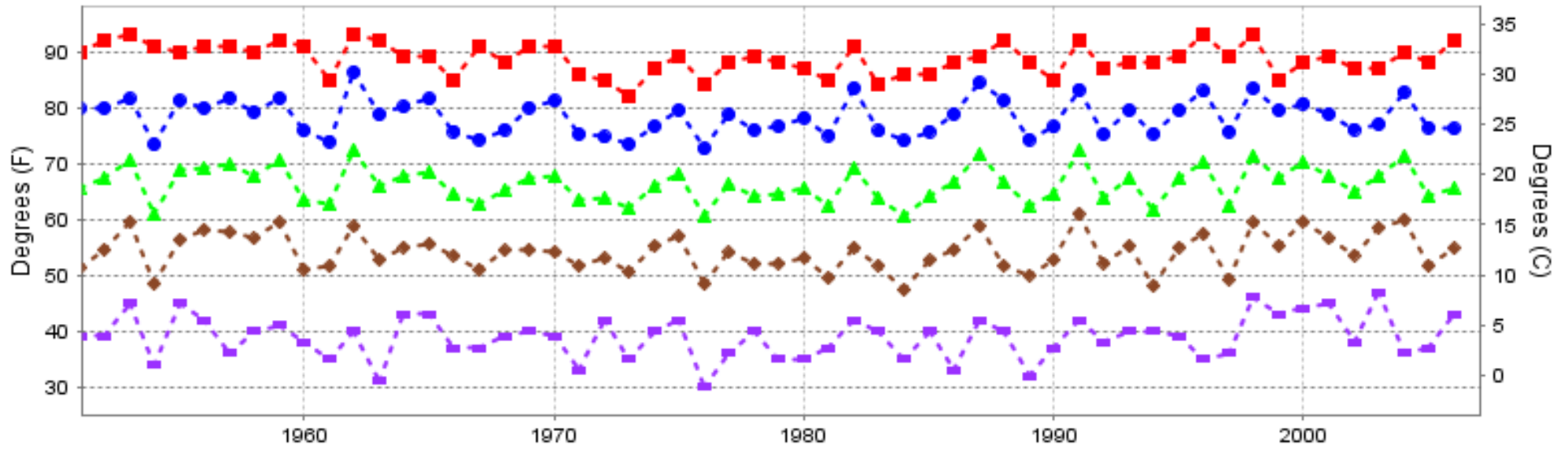
& = Original observation contained additional weather elements.

See page 3 for additional notes.

SUMMARY BY HOUR

HOUR (LST)	AVERAGES								RESULTANT WIND (MPH)			
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			59	55	57	85	28.99	29.93	8.15	2	1	22
02			59	54	56	86	28.97	29.92	8.10	1	xx	xx
03			58	54	56	87	28.97	29.92	7.83	1	xx	xx
04			57	53	55	87	28.98	29.92	7.49	1	1	19
05			57	53	55	89	28.98	29.93	6.86	1	1	19
06			56	53	55	89	28.99	29.94	6.55	2	1	19
07			58	54	55	87	29.01	29.96	7.28	2	1	22
08			61	54	57	80	29.02	29.97	8.44	3	4	26
09			64	54	58	73	29.03	29.98	9.37	4	1	23
10			66	54	60	67	29.02	29.98	9.73	4	2	26
11			69	54	60	61	29.02	29.97	9.90	6	3	26
12			70	54	61	58	29.01	29.95	9.94	6	4	26
13			72	53	61	54	28.99	29.94	9.65	6	2	26
14			73	53	62	52	28.97	29.92	9.77	7	4	27
15			74	53	62	51	28.97	29.91	9.71	6	6	27
16			74	53	61	51	28.95	29.90	9.77	6	3	26
17			74	52	61	50	28.95	29.89	9.90	5	3	27
18			73	53	61	53	28.95	29.89	9.68	5	3	26
19			71	54	61	57	28.95	29.90	9.55	4	3	26
20			68	55	60	64	28.96	29.91	9.42	2	1	23
21			65	55	60	72	28.97	29.93	9.35	2	1	25
22			64	56	59	77	28.98	29.94	9.06	2	1	25
23			62	55	58	80	28.99	29.93	8.55	1	xx	xx
24			61	55	58	84	28.99	29.93	8.40	1	1	23

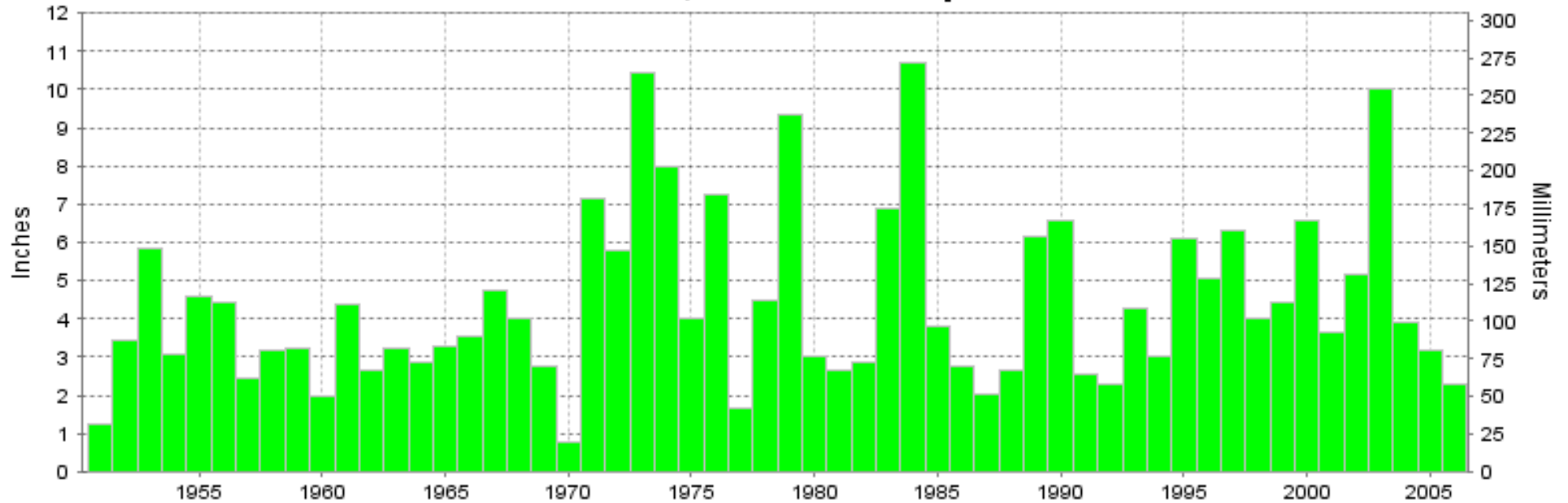
OAK RIDGE, TN MAY Temperatures



■ Extreme Max
 ● Mean Max
 ▲ Mean
 ◆ Mean Min
 ■ Extreme Min

Long-Term (1951-2006) Mean: 66.3
 1971-2000 Normal: 65.6

OAK RIDGE, TN MAY Precipitation



Long-Term (1951-2006) Mean Monthly Total: 4.41

1971-2000 Normal: 5.14



MAY 2006
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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Local Climatological Data is available at www.ncdc.noaa.gov

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