



APRIL 2007 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#: 0198-487X



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			
20	21	22	23	24																				
01	70	62	66	13	60	63	0	1	RA BR			0.91	29.03	29.99	6.5	21	6.9	25	21	16	21	01		
02	81	59	70	16	57	62	0	5	BR			0.00	29.10	30.06	2.1	21	2.9	15	20	12	20	02		
03	83	54	69	15	55	60	0	4	RA BR			0.54	29.06	30.00	3.1	21	4.8	25	01	16	20	03		
04	63	43	53	-1	40	49	12	0	RA			0.21	29.03	29.99	3.9	25	6.4	23	22	15	14	04		
05	53	35	44	-10	22	35	21	0				0.00	29.10	30.10	4.2	36	5.6	25	09	15	05	05		
06	50	31	41	-14	20	32	24	0	SN			T	29.03	30.02	3.1	29	5.2	25	26	15	27	06		
07	42	28	35*	-20	11	27	30	0				0.00	29.08	30.10	4.1	27	5.6	22	27	14	27	07		
08	50	24*	37	-18	16	30	28	0				0.00	29.16	30.18	0.8	26	2.2	18	26	13	19	08		
09	55	30	43	-12	23	35	22	0				0.00	29.12	30.12	1.1	23	2.1	15	19	10	18	09		
10	61	30	46	-10	27	39	19	0				0.00	29.04	30.01	0.5	07	1.4	13	08	9	12	10		
11	58	47	53	-3	47	50	12	0	RA BR			1.33	28.75	29.70	0.9	23	2.3	18	27	10	15	11		
12	63	44	54	-2	36	46	11	0	FG+ BR			0.00	28.88	29.89	4.7	27	5.9	28*	26	17	28	12		
13	58	36	47	-9	32	41	18	0	RA			0.04	29.22	30.20	1.8	06	3.1	14	05	8	06	13		
14	54	46	50	-7	48	49	15	0	RA FG BR			1.83	28.92	29.84	1.8	05	2.6	16	06	10	06	14		
15	57	40	49	-8	39	43	16	0	RA BR			0.22	28.67	29.69	2.4	33	3.0	22	33	13	33	15		
16	66	35	51	-6	30	43	14	0				0.00	28.99	29.98	2.9	27	4.5	23	32	15	28	16		
17	75	39	57	-1	28	45	8	0				0.00	28.98	29.93	1.4	34	2.8	23	30	13	33	17		
18	71	50	61	3	43	51	4	0	RA			T	28.82	29.77	1.3	05	1.9	15	36	12	36	18		
19	66	44	55	-3	40	48	10	0	RA			T	28.89	29.89	1.8	30	3.5	23	35	15	34	19		
20	71	40	56	-2	40	48	9	0	BR			0.00	29.16	30.15	2.3	08	3.3	17	09	13	07	20		
21	76	43	60	1	42	51	5	0				0.00	29.23	30.21	0.4	30	1.1	13	21	9	21	21		
22	81	46	64	5	42	53	1	0				0.00	29.24	30.20	1.9	21	3.1	18	17	14	19	22		
23	81	50	66	7	45	56	0	1				0.00	29.23	30.17	3.0	21	3.9	23	22	15	21	23		
24	77	60	69	9	56	62	0	4	RA			0.01	29.15	30.09	3.0	21	3.8	18	21	14	21	24		
25	81	62	72*	12	55	62	0	7				0.00	29.03	29.96	3.6	21	4.6	23	20	16	17	25		
26	73	60	67	7	59	62	0	2	RA BR			0.21	28.90	29.84	2.8	19	3.5	25	22	18*	20	26		
27	70	54	62	2	50	56	3	0				0.00	28.96	29.93	3.8	25	5.2	20	27	13	26	27		
28	74	47	61	0	46	52	4	0	RA			0.01	29.08	30.05	2.0	23	3.2	15	26	10	21	28		
29	82	50	66	5	41	54	0	1				0.00	29.13	30.09	0.8	30	2.4	16	31	10	29	29		
30	87*	49	68	7	47	56	0	3				0.00	29.11	30.05	0.7	20	1.7	15	21	10	19	30		

67.6				44.6		56.1		☼	39.9		48.7		9.5		0.9		< MONTHLY AVERAGES TOTALS >				5.31		29.03		30.01		1.3		25		3.6		< MONTHLY AVERAGES			
-2.9				0.8		-1.1			<----- DEPARTURE FROM NORMAL ----->												0.99		SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3													
DEGREE DAYS												GREATEST 24-HR PRECIPITATION : 2.01 DATE : 14-15												SEA LEVEL PRESSURE				DATE TIME								
MONTHLY						SEASON TO DATE						GREATEST 24-HR SNOWFALL :						MAXIMUM :				30.31 13 1053														
TOTAL DEPARTURE						TOTAL DEPARTURE						GREATEST SNOW DEPTH :						MINIMUM :				29.49 15 0309														
HEATING :		286		32		3508		-399		NUMBER OF		MAXIMUM TEMP >= 90 :		0		MINIMUM TEMP <= 32 :		5		PRECIPITATION >= 0.01 INCH :				10												
COOLING :		28		9		68		47		->		MAXIMUM TEMP <= 32 :		0		MINIMUM TEMP <= 0 :		0		PRECIPITATION >= 0.10 INCH :				7												
										DAYS WITH		THUNDERSTORMS :		0		HEAVY FOG		1		SNOWFALL >= 1.0 INCH :																

APRIL 2007
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
APRIL 2007

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		T	0.29	0.09	0.07	T	T	0.19	0.18	0.04	T		01						0.01	0.04		T			01	0.91	0.91	
02													02												02	0.00	0.00	
03													03						T			0.08	0.37	0.09	03	0.54	0.54	
04	0.10	0.11				T	T						04												04	0.21	0.21	
05													05												05	0.00	0.00	
06													06								T	T	T		06	T	T	
07													07												07	0.00	0.00	
08													08												08	0.00	0.00	
09													09												09	0.00	0.00	
10													10												10	0.00	0.00	
11		T	T	T	T							0.02	11	0.20	0.41	0.29	0.05		0.08	0.28	T			11	1.33	1.33		
12													12												12	0.00	0.00	
13									T	T			13				T			0.01	T		T	0.03	13	0.04	0.04	
14	0.03	T	0.01	T					T	T	T		14	0.18	0.58	0.29	0.38	0.24	0.03	0.07	T	T	0.01	T	14	1.83	1.83	
15	0.07	0.01	0.02			T	0.02	0.01	0.04	0.04	0.01	T	15	T		T	T	T			T	T			15	0.22	0.22	
16													16												16	0.00	0.00	
17													17												17	0.00	0.00	
18									T	T			18						T						18	T	T	
19													19				T								19	T	T	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22													22												22	0.00	0.00	
23													23												23	0.00	0.00	
24								T				T	24	0.01		T	T								24	0.01	0.01	
25													25												25	0.00	0.00	
26									0.02	0.01	0.06	0.02	26	T	0.08					T	0.01	T	0.01	26	0.21	0.21		
27													27												27	0.00	0.00	
28									T	0.01			28												28	0.01	0.01	
29													29												29	0.00	0.00	
30													30												30	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)	0.21	0.29	0.33	0.36	0.46	0.58	0.67	0.69	0.75	0.89	1.17	1.34
Ending Date	03	03	03	14	14	14	14	14	14	14	14	14
Ending Time (Hr/Min)	2203	2207	2209	1321	1322	1337	1352	1352	1347	1501	1522	1547

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 APRIL 2007

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:

Station Augmentation-OAK RIDGE ATDD COOP
Lat/Lon:36.00278/-84.24861 Elevation:905FT
Distance:1.5 MI Dir:SW
Augmented Elements:Temp,Precip,Snow
Equipment:Pcpn-Model TRP525M, Temp Vaisala HMP35C,
Snow Board, Snow Stick

Date	SUNSHINE		CLOUDINESS (OKTAS)				VISIBILITY (MILES)		RESERVED
	TOTAL MINUTES	PERCENT POSSIBLE	SR-SS		MN-MN		MINIMUM	MAXIMUM	
			Sky Cover	Satellite	Sky Cover	Satellite			
01							1.25	10.00	
02							5.00	10.00	
03							5.00	10.00	
04							7.00	10.00	
05							10.00	10.00	
06							10.00	10.00	
07							10.00	10.00	
08							10.00	10.00	
09							10.00	10.00	
10							10.00	10.00	
11							1.25	10.00	
12							0.25	10.00	
13							10.00	10.00	
14							0.75	10.00	
15							3.00	10.00	
16							10.00	10.00	
17							10.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							6.00	10.00	
21							7.00	10.00	
22							7.00	10.00	
23							10.00	10.00	
24							10.00	10.00	
25							9.00	10.00	
26							5.00	10.00	
27							10.00	10.00	
28							8.00	10.00	
29							10.00	10.00	
30							10.00	10.00	
MONTHLY AVGS							7.52	10.00	
SUNSHINE (Minutes)									
Total : 0					Possible :				
Percent Possible :									
NUMBER OF DAYS WITH :									
SKY CONDITION									
Clear		Partly CLDY			Cloudy			Missing	
MINIMUM VISIBILITY (MILES)									
<= .25			<= 3.0			>= 7.0			
1			5			21			

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

APRIL 2007

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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL	
																											Observation Time (LST)
SUNRISE: 0624 APR 01						SUNSET: 1859						SUNRISE: 0615 APR 07						SUNSET: 1903									
01	OVC	060			10.00				70	55	61	59	7	20	29.03	29.96				31	12	25	45	3	VR	29.05	30.05
04	OVC	036			7.00				63	60	61	90	0	00	29.03	29.96				29	13	24	51	5	VR	29.06	30.06
07	OVC	085			7.00				64	61	62	90	6	22	29.05	29.99				28	12	23	51	3	VR	29.09	30.09
10	OVC	035			10.00	-RA			64	60	62	87	8	20	29.08	30.03				32	9	25	38	10	25	29.10	30.11
13	OVC	035			10.00				69	60	64	73	10	19	29.06	29.99				38	10	29	31	11	25	29.09	30.10
16	BKN	048			10.00				69	59	63	71	11	22	29.02	29.97				41	8	30	25	10	27	29.06	30.07
19	OVC	090			4.00	RA			66	61	63	84	9	21	29.03	29.98				38	8	29	29	6	29	29.10	30.12
22	OVC	048			7.00				65	62	63	90	6	23	29.08	30.03				33	14	27	46	0	00	29.16	30.18
SUNRISE: 0622 APR 02						SUNSET: 1859						SUNRISE: 0614 APR 08						SUNSET: 1904									
01	OVC	045			7.00				65	62	63	90	0	00	29.09	30.03				30	16	25	56	0	00	29.16	30.18
04	BKN	028			7.00				63	61	62	93	5	21	29.10	30.05				28	16	24	61	0	00	29.17	30.19
07	BKN	026			6.00	BR			62	60	61	93	5	21	29.13	30.09				25	17	22	72	0	00	29.21	30.24
10	FEW	020			10.00				68	59	63	73	6	24	29.17	30.12				36	16	29	44	3	VR	29.22	30.24
13	CLR	NC			10.00				75	55	63	50	6	20	29.13	30.08				44	16	34	32	7	23	29.16	30.18
16	FEW	100			10.00				81	50	63	34	3	33	29.08	30.01				48	14	36	25	0	00	29.12	30.12
19	CLR	NC			10.00				75	52	62	45	3	15	29.08	30.02				47	14	35	26	3	27	29.12	30.13
22	CLR	NC			10.00				63	56	59	78	0	00	29.13	30.07				37	23	32	57	0	00	29.16	30.17
SUNRISE: 0621 APR 03						SUNSET: 1900						SUNRISE: 0612 APR 09						SUNSET: 1904									
01	CLR	NC			10.00				58	55	56	90	0	00	29.12	30.06				32	24	29	72	0	00	29.15	30.16
04	CLR	NC			10.00				56	53	54	90	0	00	29.12	30.06				32	25	29	75	0	00	29.14	30.15
07	CLR	NC			7.00				55	53	54	93	0	00	29.13	30.09				31	26	29	82	0	00	29.17	30.18
10	CLR	NC			10.00				68	57	61	68	5	17	29.13	30.08				42	23	35	47	0	00	29.17	30.19
13	FEW	047			10.00				79	57	65	47	7	VR	29.07	30.01				50	18	38	28	8	27	29.13	30.14
16	FEW	075			10.00				82	50	63	33	8	20	28.97	29.91				53	16	39	23	0	00	29.05	30.04
19	FEW	120			10.00				76	57	64	52	7	22	28.94	29.88				51	20	39	29	6	19	29.05	30.04
22	OVC	070			5.00	+RA			62	54	57	75	9	35	29.03	29.97				43	26	36	51	0	00	29.09	30.09
SUNRISE: 0619 APR 04						SUNSET: 1900						SUNRISE: 0611 APR 10						SUNSET: 1905									
01	OVC	090			10.00	RA			58	57	57	97	5	15	29.03	29.96				36	28	33	73	0	00	29.09	30.08
04	OVC	028			10.00				58	56	57	93	3	22	28.99	29.92				32	27	30	82	0	00	29.08	30.07
07	OVC	006			7.00				58	57	57	97	6	22	28.98	29.93				32	28	30	85	0	00	29.13	30.13
10	CLR	NC			10.00				53	35	45	51	8	24	29.07	30.03				49	30	41	48	3	27	29.12	30.11
13	CLR	NC			10.00				59	35	48	41	6	27	29.07	30.03				56	22	42	27	3	11	29.04	30.02
16	CLR	NC			10.00				63	31	48	30	6	VR	29.02	29.98				60	24	44	25	3	05	28.95	29.94
19	CLR	NC			10.00				55	27	43	34	3	VR	29.05	30.01				57	25	43	29	3	04	28.92	29.91
22	CLR	NC			10.00				48	23	38	37	6	26	29.10	30.09				50	32	42	50	0	00	28.93	29.90
SUNRISE: 0618 APR 05						SUNSET: 1901						SUNRISE: 0610 APR 11						SUNSET: 1906									
01	CLR	NC			10.00				41	27	35	58	6	34	29.10	30.09				48	36	43	63	0	00	28.87	29.84
04	CLR	NC			10.00				37	23	32	57	5	35	29.12	30.09				48	40	44	74	0	00	28.81	29.78
07	CLR	NC			10.00				36	22	31	57	6	35	29.13	30.13				49	42	46	77	0	00	28.80	29.77
10	FEW	039			10.00				40	22	33	49	0	00	29.16	30.16				57	42	49	57	3	06	28.76	29.72
13	CLR	NC			10.00				49	23	39	36	7	11	29.10	30.10				53	51	52	93	0	00	28.71	29.67
16	CLR	NC			10.00				52	20	39	28	8	33	29.07	30.05			+RA BR	58	55	56	90	5	28	28.63	29.59
19	CLR	NC			10.00				46	20	36	36	7	35	29.08	30.07			-RA BR	56	54	55	93	5	25	28.65	29.60
22	CLR	NC			10.00				40	22	33	49	5	33	29.12	30.12				56	54	55	93	5	VR	28.73	29.68
SUNRISE: 0617 APR 06						SUNSET: 1902						SUNRISE: 0608 APR 12						SUNSET: 1907									
01	CLR	NC			10.00				37	22	32	55	6	36	29.12	30.11			0.25 FG	51	49	50	93	0	00	28.77	29.73
04	CLR	NC			10.00				34	23	30	64	0	00	29.09	30.08			3.00 BR	46	45	46	96	0	00	28.77	29.74
07	CLR	NC			10.00				33	25	30	72	0	00	29.10	30.11				46	43	45	89	0	00	28.81	29.79
10	OVC	110			10.00				41	21	34	45	0	00	29.05	30.05				56	35	46	45	13	25	28.87	29.83
13	SCT	060			10.00				48	19	37	32	7	VR	28.96	29.95				60	31	47	34	11	27	28.92	29.89
16	BKN	070			10.00				48	17	36	29	10	27	28.90	29.90				62	30	47	30	13	30	28.96	29.93
19	BKN	080			10.00				42	17	33	36	9	29	28.95	29.95				57	29	45	34	7	29	29.04	30.01
22	BKN	060			10.00				34	18	29	52	7	VR	29.05	30.05				49	32	42	52	0	00	29.13	30.11

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

APRIL 2007

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		DRY BULB	DEW POINT	WET BULB		RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL						
SUNRISE: 0607						APR 13						SUNSET: 1908																				
01	CLR	NC			10.00				43	30	38	60	7	07	29.18	30.16	01	CLR	NC			10.00			51	47	49	86	0	00	28.82	29.78
04	CLR	NC			10.00				40	28	35	62	3	10	29.23	30.22	04	CLR	NC			10.00			48	45	47	89	0	00	28.83	29.79
07	CLR	NC			10.00				37	30	34	76	0	00	29.29	30.29	07	CLR	NC			10.00			46	43	45	89	0	00	28.86	29.83
10	CLR	NC			10.00				45	29	38	54	3	VR	29.32	30.31	10	CLR	NC			10.00			62	44	53	52	6	VR	28.88	29.84
13	CLR	NC			10.00				52	28	42	40	6	09	29.24	30.23	13	OVC	075			10.00			63	35	49	35	5	27	28.91	29.87
16	FEW	085			10.00				57	30	45	36	0	00	29.18	30.17	16	SCT	095			10.00			62	37	50	40	8	34	28.94	29.91
19	BKN	100			10.00				56	30	44	37	3	17	29.18	30.18	19	CLR	NC			10.00			58	33	46	39	0	00	28.99	29.97
22	FEW	100			10.00				50	40	45	69	6	05	29.13	30.13	22	CLR	NC			10.00			50	39	45	66	5	03	29.09	30.06
SUNRISE: 0606						APR 14						SUNSET: 1909																				
01	OVC	110			10.00				47	42	45	83	6	07	29.12	30.09	01	CLR	NC			10.00			47	40	44	77	3	05	29.12	30.08
04	SCT	110			10.00				46	42	44	86	5	04	29.03	30.00	04	CLR	NC			9.00			44	39	42	83	0	00	29.14	30.12
07	CLR	NC			10.00				48	42	45	80	3	07	29.02	30.00	07	CLR	NC			6.00	BR		43	39	41	86	0	00	29.19	30.18
10	OVC	095			10.00				50	45	48	83	3	11	28.95	29.93	10	CLR	NC			10.00			59	44	51	58	5	VR	29.22	30.19
13	OVC	050			1.00	+RA	BR		52	48	50	86	7	32	28.86	29.83	13	CLR	NC			10.00			67	41	54	39	7	05	29.19	30.17
16	OVC	018			3.00	-RA	BR		54	52	53	93	0	00	28.80	29.77	16	CLR	NC			10.00			69	38	53	32	6	VR	29.14	30.12
19	OVC	035			5.00	-RA	BR		53	52	52	96	5	08	28.74	29.70	19	CLR	NC			10.00			66	39	52	37	5	07	29.15	30.12
22	OVC	036			4.00	-RA	BR		54	52	53	93	0	00	28.65	29.62	22	CLR	NC			10.00			55	43	49	64	0	00	29.20	30.17
SUNRISE: 0604						APR 15						SUNSET: 1910																				
01	OVC	032			6.00	-RA	BR		57	55	56	93	3	VR	28.57	29.53	01	CLR	NC			10.00			49	42	46	77	0	00	29.21	30.18
04	OVC	016			10.00				52	50	51	93	0	00	28.55	29.50	04	CLR	NC			9.00			45	42	44	89	0	00	29.23	30.21
07	OVC	024			4.00	-RA	BR		49	46	47	89	0	00	28.56	29.53	07	CLR	NC			7.00			46	42	44	86	0	00	29.29	30.27
10	OVC	043			5.00	RA			44	39	42	83	0	00	28.62	29.58	10	CLR	NC			10.00			66	44	54	45	5	VR	29.32	30.29
13	OVC	045			10.00				41	32	37	70	8	32	28.68	29.65	13	CLR	NC			10.00			72	43	56	35	3	33	29.27	30.23
16	OVC	030			10.00				40	33	37	76	6	34	28.77	29.75	16	CLR	NC			10.00			75	40	56	28	3	VR	29.20	30.17
19	OVC	080			10.00				44	33	39	65	5	33	28.91	29.90	19	CLR	NC			10.00			72	40	55	31	0	00	29.18	30.15
22	OVC	090			10.00				45	31	39	58	0	00	28.98	29.97	22	CLR	NC			10.00			58	45	51	62	0	00	29.21	30.17
SUNRISE: 0603						APR 16						SUNSET: 1910																				
01	OVC	090			10.00				40	33	37	76	3	21	28.97	29.97	01	CLR	NC			10.00			52	45	48	77	0	00	29.22	30.18
04	FEW	055			10.00				40	32	37	73	0	00	28.95	29.95	04	CLR	NC			8.00			48	44	46	86	0	00	29.22	30.19
07	CLR	NC			10.00				38	33	36	82	0	00	29.02	30.02	07	CLR	NC			7.00			48	44	46	86	0	00	29.30	30.27
10	SCT	070			10.00				54	31	44	42	5	27	29.06	30.03	10	CLR	NC			10.00			69	43	55	39	3	25	29.31	30.27
13	FEW	075			10.00				62	28	47	28	7	VR	29.02	30.00	13	CLR	NC			10.00			77	39	57	26	9	14	29.27	30.23
16	CLR	NC			10.00				65	27	48	24	14	27	28.97	29.94	16	CLR	NC			10.00			81	39	58	22	7	18	29.20	30.15
19	CLR	NC			10.00				62	26	46	25	5	26	28.97	29.94	19	CLR	NC			10.00			76	41	57	29	3	24	29.18	30.14
22	CLR	NC			10.00				57	28	44	33	3	VR	29.04	30.00	22	CLR	NC			10.00			65	42	53	43	3	22	29.22	30.17
SUNRISE: 0602						APR 17						SUNSET: 1911																				
01	CLR	NC			10.00				56	28	44	34	10	33	29.05	30.01	01	CLR	NC			10.00			65	38	52	37	5	21	29.24	30.18
04	CLR	NC			10.00				50	28	41	43	3	35	29.03	29.99	04	CLR	NC			10.00			54	41	48	62	0	00	29.27	30.22
07	CLR	NC			10.00				41	34	38	76	0	00	29.07	30.04	07	BKN	070			10.00			54	44	49	69	0	00	29.30	30.26
10	CLR	NC			10.00				59	27	45	29	0	00	29.05	30.01	10	BKN	065			10.00			70	41	55	35	5	VR	29.29	30.24
13	CLR	NC			10.00				69	22	48	17	0	00	28.97	29.92	13	SCT	065			10.00			78	48	61	35	11	24	29.23	30.17
16	CLR	NC			10.00				74	25	51	16	7	VR	28.89	29.84	16	BKN	070			10.00			78	49	61	36	7	21	29.16	30.11
19	CLR	NC			10.00				68	21	47	17	5	VR	28.88	29.85	19	FEW	100			10.00			77	48	60	36	3	23	29.15	30.10
22	CLR	NC			10.00				56	34	46	44	0	00	28.87	29.83	22	BKN	100			10.00			72	49	59	44	3	24	29.19	30.13
SUNRISE: 0600						APR 18						SUNSET: 1912																				
01	FEW	120			10.00				55	36	46	49	0	00	28.86	29.81	01	BKN	110			10.00			65	51	57	61	0	00	29.16	30.11
04	BKN	100			10.00				53	40	47	62	0	00	28.83	29.78	04	CLR	NC			10.00			64	50	56	61	0	00	29.16	30.11
07	CLR	NC			10.00				51	40	46	66	0	00	28.84	29.79	07	SCT	050			10.00			62	53	57	73	0	00	29.20	30.15
10	CLR	NC			10.00				57	43	50	60	8	05	28.83	29.79	10	BKN	037			10.00			72	54	61	53	7	24	29.18	30.13
13	FEW	095			10.00				70	43	56	38	7	VR	28.80	29.75	13	BKN	055			10.00			70	62	65	76	7	21	29.16	30.11
16	CLR	NC			10.00				69	44	56	41	5	35	28.77	29.71	16	SCT	090			10.00			77	59	66	54	13	21	29.10	30.05
19	OVC	110			10.00				61	48	54	63	3	07	28.81	29.78	19	CLR	NC			10.00			74	60	65	62	5	20	29.09	30.03
22	BKN	090			10.00				57	48	52	72	0	00	28.83	29.79	22	CLR	NC			10.00			67	60	63	78	0	00	29.09	30.03

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

APRIL 2007

KOQT

WBAN # 53868

HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)								
			Observation Time (LST)	Eff Cl'd 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 Cl'd Amt Oktas			
SUNRISE: 0552 APR 25 SUNSET: 1918						01	CLR	NC				63	58	60	84	0	00	29.08	30.02
04	SCT	100				63	59	61	87	0	00	29.04					29.98		
07	CLR	NC				64	56	59	75	3	24	29.09					30.02		
10	CLR	NC				73	56	63	55	10	19	29.06					30.00		
13	BKN	050				78	55	64	45	7	VR	29.02					29.95		
16	FEW	060				80	53	64	39	9	24	28.98					29.91		
19	CLR	NC				76	54	63	47	6	18	28.98					29.92		
22	CLR	NC				68	55	60	63	0	00	29.00					29.93		
SUNRISE: 0550 APR 26 SUNSET: 1919						01	CLR	NC				62	55	58	78	0	00	28.97	29.91
04	CLR	NC				60	55	57	84	0	00	28.94					29.87		
07	SCT	060				63	57	60	81	0	00	28.95					29.89		
10	SCT	090				63	59	61	87	5	VR	28.97					29.91		
13	BKN	065				64	59	61	84	0	00	28.92					29.87		
16	BKN	047				69	62	65	79	3	14	28.84					29.79		
19	BKN	060				73	59	64	62	11	18	28.78					29.72		
22	OVC	075				66	61	63	84	3	20	28.86					29.80		
SUNRISE: 0549 APR 27 SUNSET: 1920						01	OVC	060				64	61	62	90	0	00	28.89	29.83
04	OVC	065				61	53	57	75	3	23	28.89					29.84		
07	CLR	NC				59	52	55	78	3	22	28.95					29.89		
10	BKN	070				64	51	57	63	9	25	28.97					29.91		
13	OVC	065				66	50	57	57	8	24	28.99					29.93		
16	OVC	065				67	47	56	49	9	28	28.98					29.93		
19	BKN	060				61	45	53	56	5	VR	29.04					29.99		
22	FEW	060				57	45	51	64	6	26	29.10					30.06		
SUNRISE: 0548 APR 28 SUNSET: 1921						01	CLR	NC				52	45	48	77	3	21	29.10	30.07
04	CLR	NC				48	45	47	89	0	00	29.09					30.05		
07	FEW	080				49	45	47	86	0	00	29.10					30.06		
10	OVC	055			-RA	54	49	51	83	5	21	29.12					30.08		
13	CLR	NC				66	51	58	59	8	21	29.09					30.05		
16	BKN	090				72	45	57	38	3	VR	29.05					30.01		
19	FEW	075				70	44	56	39	5	VR	29.08					30.03		
22	CLR	NC				62	46	54	56	0	00	29.12					30.08		
SUNRISE: 0547 APR 29 SUNSET: 1921						01	CLR	NC				57	46	51	67	3	25	29.12	30.07
04	CLR	NC				52	46	49	80	0	00	29.12					30.08		
07	CLR	NC				53	47	50	80	0	00	29.16					30.13		
10	CLR	NC				71	43	56	37	3	VR	29.18					30.13		
13	CLR	NC				77	41	58	28	0	00	29.14					30.09		
16	CLR	NC				82	34	57	18	6	VR	29.10					30.04		
19	CLR	NC				77	35	55	22	5	35	29.10					30.05		
22	CLR	NC				64	42	53	45	0	00	29.14					30.09		
SUNRISE: 0546 APR 30 SUNSET: 1922						01	CLR	NC				55	45	50	69	0	00	29.14	30.09
04	CLR	NC				51	45	48	80	0	00	29.13					30.08		
07	CLR	NC				52	46	49	80	0	00	29.18					30.14		
10	CLR	NC				73	48	59	41	3	20	29.17					30.12		
13	CLR	NC				83	47	62	28	5	VR	29.10					30.05		
16	CLR	NC				86	42	61	21	5	19	29.05					29.98		
19	CLR	NC				83	45	61	26	3	20	29.03					29.97		
22	CLR	NC				67	52	58	59	0	00	29.07					30.01		

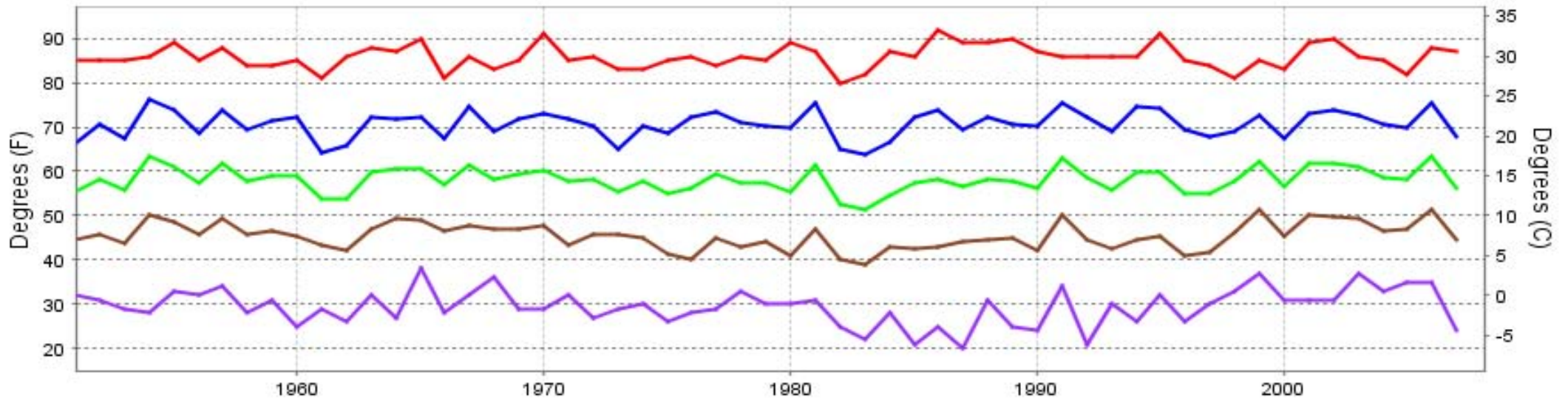
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)							
			Observation Time (LST)	Eff Cl'd Amt Oktas		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL				
														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

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			51	41	47	71	29.05	30.01	9.44	2	1	36
02			50	41	46	74	29.04	30.00	9.77	2	2	30
03			49	41	45	75	29.04	30.00	9.31	2	2	01
04			48	41	45	77	29.04	30.00	9.43	1	2	35
05			47	41	45	79	29.04	30.01	9.37	1	2	36
06			46	41	44	81	29.06	30.02	9.27	1	xx	xx
07			47	41	45	80	29.07	30.04	9.00	1	2	31
08			51	42	47	72	29.08	30.05	9.18	2	4	29
09			54	41	48	62	29.08	30.05	9.28	4	3	28
10			57	40	49	55	29.08	30.05	9.83	5	3	28
11			60	39	50	50	29.07	30.04	9.93	5	2	29
12			61	39	50	47	29.06	30.03	9.97	5	5	28
13			63	39	51	45	29.04	30.01	9.42	6	3	28
14			64	39	52	43	29.03	29.99	9.34	6	4	28
15			65	38	52	41	29.01	29.97	9.45	7	3	28
16			66	38	52	40	29.00	29.96	9.77	6	5	28
17			66	38	52	40	29.00	29.96	9.69	6	3	28
18			65	37	51	41	29.00	29.97	9.67	6	3	28
19			62	38	51	44	29.01	29.98	9.47	5	2	29
20			60	39	50	50	29.02	29.99	9.77	3	2	29
21			57	41	49	56	29.04	30.00	9.73	3	4	28
22			55	41	48	61	29.05	30.02	9.53	2	2	30
23			53	41	48	64	29.05	30.02	9.57	2	3	30
24			52	42	47	70	29.05	30.02	9.53	2	1	34

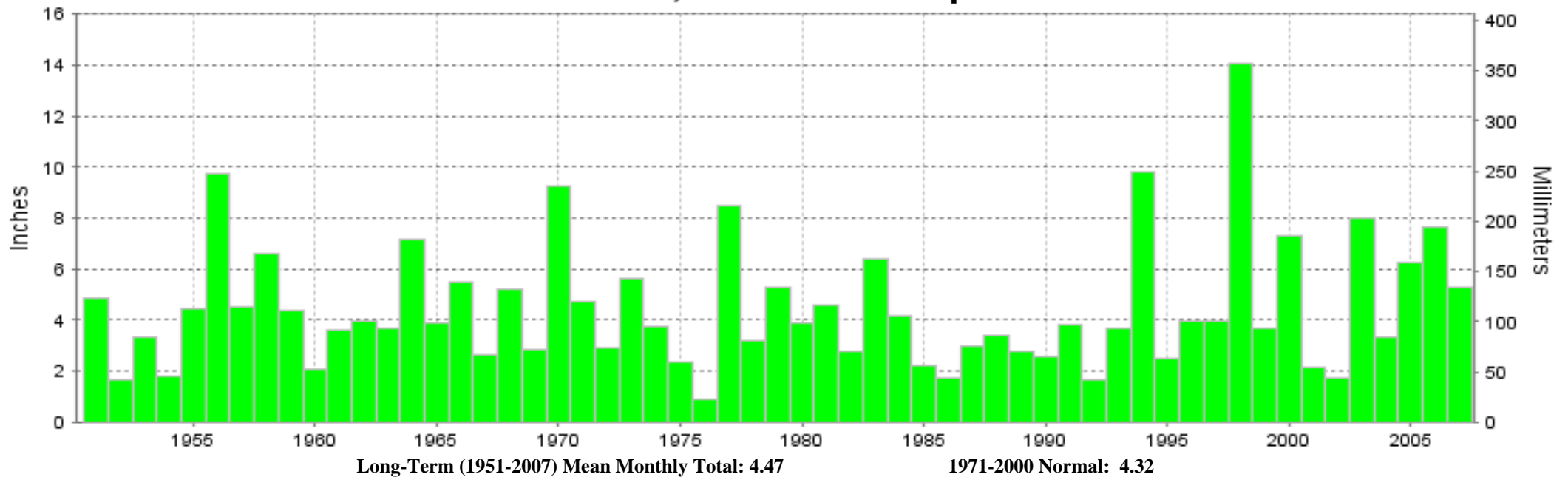
OAK RIDGE, TN APRIL Temperatures



— Extreme Max — Mean Max — Mean — Mean Min — Extreme Min

Long-Term (1951-2007) Mean: 58.1
1971-2000 Normal: 57.2

OAK RIDGE, TN APRIL Precipitation



Long-Term (1951-2007) Mean Monthly Total: 4.47

1971-2000 Normal: 4.32



**APRIL 2007
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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