



FEBRUARY 2010 LOCAL CLIMATOLOGICAL DATA NOAA, National Climatic Data Center

OAK RIDGE, TN
OAK RIDGE (KOQT)
Lat:36° 1' N Long: 84° 14' W Elev (Ground) 913 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		LST 11	LST 12	LST 13	LST 14	AVERAGE STATION 15	AVERAGE SEA LEVEL 16	RESULTANT SPEED 17	RES DIR 18	AVERAGE SPEED 19	MAXIMUM															
																			3-SEC		2-MIN													
01	44	19*	32	-6	25	29	33	0	FG+ FZFG BR			0.00	29.31	30.32	0.1	14	0.3	9	04	7	05	01												
02	39	34	37	-1	35	36	28	0	RA BR			0.26	29.12	30.14	0.2	35	1.1	8	23	6	22	02												
03	42	28	35	-3	29	33	30	0	BR			0.00	29.25	30.28	1.4	04	1.8	10	07	8	07	03												
04	40	29	35	-3	29	33	30	0	RA BR			0.12	29.28	30.30	4.5	05	4.6	13	04	9	05	04												
05	44	37	41	3	40	41	24	0	RA BR			1.71	28.72	29.75	1.9	05	5.2	18	05	10	22	05												
06	42	32	37	-2	32	35	28	0	RA SN BR UP			0.07	28.71	29.75	2.6	29	5.4	22	26	14	26	06												
07	34	30	32	-7	26	30	33	0				0.00	29.08	30.11	1.9	04	2.2	12	06	7	36	07												
08	44	29	37	-2	26	32	28	0	RA			0.04	29.10	30.12	0.9	02	1.3	9	07	7	06	08												
09	45	23	34	-5	33	36	31	0	RA SN BR			0.24	28.90	29.89	4.3	26	5.3	35*	27	22*	27	09												
10	31	21	26	-13	16	23	39	0	SN			T	29.02	30.07	5.8	26	7.2	32	28	20	27	10												
11	38	27	33	-7	20	27	32	0				0.00	29.13	30.15	1.9	05	2.4	12	04	8	17	11												
12	33	26	30	-10	19	26	35	0				0.00	28.99	30.00	2.9	05	3.5	14	06	12	06	12												
13	37	20	29	-11	18	26	36	0	SN			T	28.97	30.01	2.2	27	3.4	21	27	13	27	13												
14	38	27	33	-7	24	30	32	0	RA SN BR UP			0.01	28.99	30.00	1.0	22	1.9	13	28	8	20	14												
15	34	24	29	-12	22	26	36	0	RA SN FG BR			0.32	28.85	29.89	4.9	25	6.1	30	24	17	26	15												
16	30	22	26*	-15	17	23	39	0	SN			T	29.02	30.06	4.5	24	6.1	17	27	10	26	16												
17	32	25	29	-12	20	26	36	0	SN HZ			T	29.03	30.07	3.4	24	4.1	20	26	13	26	17												
18	46	29	38	-3	23	31	27	0				0.00	29.12	30.15	1.6	24	2.2	13	20	8	25	18												
19	54	23	39	-3	24	32	26	0				0.00	29.18	30.21	0.2	18	0.7	9	21	7	21	19												
20	59	25	42	0	21	33	23	0				0.00	29.21	30.21	0.4	06	0.7	9	04	7	06	20												
21	63*	28	46	4	28	37	19	0				0.00	29.08	30.05	0.7	17	1.5	15	15	10	16	21												
22	54	42	48*	6	44	47	17	0	RA BR			0.85	28.79	29.76	1.0	24	2.1	21	26	12	27	22												
23	47	36	42	-1	34	38	23	0				0.00	28.86	29.87	2.1	35	2.2	13	36	8	34	23												
24	43	27	35	-8	24	31	30	0	SN			T	28.94	29.95	1.8	28	3.5	20	27	13	28	24												
25	37	24	31	-12	16	25	34	0	SN BR			T	29.05	30.09	2.8	28	4.2	23	26	14	33	25												
26	44	22	33	-10	15	28	32	0				0.00	29.03	30.03	2.7	24	4.2	23	27	15	26	26												
27	43	28	36	-8	21	30	29	0				0.00	28.89	29.90	1.4	24	3.2	17	25	12	25	27												
28	38	34	36	-8	27	32	29	0				0.00	29.00	30.03	0.6	31	1.3	14	27	8	28	28												
										42.0		27.5	34.8	☼	25.3	31.3	30.0	0.0	< MONTHLY AVERAGES TOTALS >				3.62	29.03	30.04	0.9	28	3.1	< MONTHLY AVERAGES					
										-9.6		-2.0	-5.8		----- DEPARTURE FROM NORMAL -----										-0.88	SUNSHINE, CLOUD, & VISIBILITY TABLES ON PAGE 3								
DEGREE DAYS										GREATEST 24-HR PRECIPITATION : 1.75 DATE : 04-05										SEA LEVEL PRESSURE				DATE TIME										
MONTHLY					SEASON TO DATE					GREATEST 24-HR SNOWFALL :										MAXIMUM :				01 1113										
TOTAL DEPARTURE					TOTAL DEPARTURE					GREATEST SNOW DEPTH :										MINIMUM :				06 0408										
HEATING :					839 143 3257 114					NUMBER OF -> DAYS WITH				MAXIMUM TEMP >= 90 :				MINIMUM TEMP <= 32 :				PRECIPITATION >= 0.01 INCH :												
COOLING :					0 0 0 0									MAXIMUM TEMP <= 32 :				MINIMUM TEMP <= 0 :				PRECIPITATION >= 0.10 INCH :												
														THUNDERSTORMS :				HEAVY FOG :				SNOWFALL >= 1.0 INCH :												

FEBRUARY 2010
OAK RIDGE, TN

HOURLY PRECIPITATION

(WATER EQUIVALENT IN INCHES)

OAK RIDGE, TN (KOQT)
FEBRUARY 2010

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	0.00	0.00	
02		T	0.03	0.04	0.05	0.04	0.04	0.04	0.02	T			02												02	0.26	0.26	
03													03												03	0.00	0.00	
04													04					0.02	0.02	0.02	0.02	0.01	0.02	0.01	04	0.12	0.12	
05	0.01	0.05	0.06	0.13	0.20	0.20	0.13	0.09	0.11	0.06	0.01		05		0.09	0.15	0.08	0.12	0.08	0.08	0.04	0.01	0.01	T	0.01	1.71	1.71	
06	T		T	0.02	0.01	0.02	0.02	T	T			T	06	T	T	T			T	T					06	0.07	0.07	
07													07												07	0.00	0.00	
08													08								0.01	0.03	T		08	0.04	0.04	
09	T	T	T	T				T	0.05	0.01	T	T	09	0.05	0.07	0.01	0.03	0.01	T		T	T		09	0.24	0.24		
10			T		T	T	T	T	T	T	T	T	10	T								T			10	T	T	
11													11												11	0.00	0.00	
12													12												12	0.00	0.00	
13													13				T								13	T	T	
14													14		T				T	0.01	T				14	0.01	0.01	
15			0.01	0.09	0.10	0.07	0.04	0.01				T	15	T	T	T		T	T			T	T	T	15	0.32	0.32	
16			T	T	T	T	T	T	T	T	T		16	T	T	T	T								16	T	T	
17													17				T								17	T	T	
18													18												18	0.00	0.00	
19													19												19	0.00	0.00	
20													20												20	0.00	0.00	
21													21												21	0.00	0.00	
22		0.06	0.66	0.12	T	T		T	0.01				22												22	0.85	0.85	
23													23												23	0.00	0.00	
24													24												24	T	T	
25	T				T	T		T	T	T	T	T	25	T		T		T	T	T				25	T	T		
26													26												26	0.00	0.00	
27													27												27	0.00	0.00	
28													28												28	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)	0.10	0.16	0.21	0.27	0.40	0.58	0.70	0.76	0.81	0.83	0.84	0.84
Ending Date	22	22	22	22	22	22	22	22	22	22	22	22
Ending Time (Hr/Min)	0233	0254	0238	0238	0254	0255	0306	0323	0323	0323	0339	0339

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 FEBRUARY 2010

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							0.25	10.00	
02							2.00	10.00	
03							1.25	10.00	
04							4.00	10.00	
05							1.25	10.00	
06							5.00	10.00	
07							10.00	10.00	
08							7.00	10.00	
09							1.50	10.00	
10							2.50	10.00	
11							10.00	10.00	
12							10.00	10.00	
13							10.00	10.00	
14							5.00	10.00	
15							0.50	10.00	
16							5.00	10.00	
17							6.00	10.00	
18							10.00	10.00	
19							10.00	10.00	
20							10.00	10.00	
21							10.00	10.00	
22							1.50	10.00	
23							10.00	10.00	
24							5.00	10.00	
25							2.50	10.00	
26							10.00	10.00	
27							10.00	10.00	
28							10.00	10.00	
MONTHLY AVGS							6.08	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			9				13		

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 2010 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: 0738 FEB 01						SUNSET: 1804						SUNRISE: 0733 FEB 07						SUNSET: 1810												
01	VV	001			0.25	FZFG	23	22	23	96	0	00	29.35	30.39	01	OVC	020			10.00			32	27	30	82	3	01	29.06	30.07
04	CLR	NC			5.00	BR	21	18	20	88	0	00	29.33	30.37	04	OVC	028			10.00			31	27	30	85	0	00	29.05	30.06
07	CLR	NC			6.00	BR	19	17	18	92	0	00	29.34	30.38	07	OVC	020			10.00			31	27	30	85	0	00	29.09	30.11
10	CLR	NC			10.00		28	26	27	92	3	VR	29.35	30.38	10	OVC	020			10.00			32	27	30	82	5	07	29.10	30.13
13	CLR	NC			10.00		37	25	32	62	0	00	29.31	30.34	13	OVC	018			10.00			33	27	31	79	0	00	29.12	30.13
16	CLR	NC			10.00		43	26	36	51	0	00	29.24	30.27	16	OVC	020			10.00			34	26	31	73	0	00	29.09	30.11
19	CLR	NC			10.00		39	30	35	70	0	00	29.24	30.27	19	OVC	022			10.00			32	25	29	75	3	VR	29.10	30.13
22	OVC	120			10.00		35	32	34	89	0	00	29.20	30.22	22	OVC	026			10.00			31	23	28	72	3	04	29.13	30.15
SUNRISE: 0737 FEB 02						SUNSET: 1805						SUNRISE: 0732 FEB 08						SUNSET: 1811												
01	OVC	038			10.00		36	30	34	79	3	02	29.17	30.19	01	OVC	026			10.00			30	22	27	72	0	00	29.13	30.15
04	OVC	047			4.00	-RA BR	34	33	34	96	0	00	29.15	30.16	04	OVC	024			10.00			29	22	27	75	0	00	29.12	30.14
07	OVC	042			3.00	-RA BR	34	34	34	100	0	00	29.14	30.15	07	OVC	024			10.00			29	21	26	72	0	00	29.13	30.15
10	OVC	027			4.00	BR	35	34	35	96	0	00	29.14	30.16	10	FEW	095			10.00			32	23	29	69	3	VR	29.16	30.18
13	OVC	004			4.00	BR	37	36	37	96	0	00	29.09	30.09	13	CLR	NC			10.00			37	26	33	65	3	02	29.13	30.15
16	OVC	004			4.00	BR	39	38	39	96	0	00	29.07	30.07	16	SCT	065			10.00			43	28	37	56	0	00	29.06	30.07
19	OVC	015			4.00	BR	39	38	39	96	0	00	29.10	30.12	19	OVC	065			10.00			41	28	36	60	0	00	29.06	30.07
22	CLR	NC			6.00	BR	37	36	37	96	5	25	29.13	30.15	22	OVC	031			7.00	-RA		40	32	37	73	3	21	29.09	30.10
SUNRISE: 0736 FEB 03						SUNSET: 1806						SUNRISE: 0731 FEB 09						SUNSET: 1812												
01	OVC	033			2.00	BR	35	35	35	100	0	00	29.17	30.19	01	OVC	048			9.00	-RA		37	35	36	93	3	05	29.03	30.04
04	OVC	031			3.00	BR	35	35	35	100	0	00	29.22	30.23	04	OVC	085			7.00	-RA		37	36	37	96	0	00	28.96	29.96
07	OVC	031			10.00		35	28	32	76	5	34	29.23	30.24	07	OVC	070			5.00	BR		37	36	37	96	0	00	28.93	29.93
10	OVC	029			10.00		37	28	33	70	0	00	29.29	30.30	10	OVC	046			5.00	-RA BR		39	37	38	93	0	00	28.85	29.85
13	OVC	029			10.00		38	27	34	65	0	00	29.29	30.31	13	OVC	016			2.50	RA BR		42	41	42	96	7	24	28.83	29.83
16	CLR	NC			10.00		40	27	35	60	0	00	29.26	30.27	16	OVC	023			8.00	-RA		41	38	40	89	9	27	28.78	29.78
19	CLR	NC			10.00		37	27	33	67	0	00	29.29	30.30	19	BKN	036			10.00			35	27	32	73	14	28	28.86	29.86
22	CLR	NC			8.00		30	27	29	89	0	00	29.34	30.37	22	FEW	030			10.00			31	18	27	59	14	27	28.90	29.91
SUNRISE: 0735 FEB 04						SUNSET: 1807						SUNRISE: 0730 FEB 10						SUNSET: 1813												
01	CLR	NC			9.00		30	26	29	85	5	05	29.31	30.33	01	OVC	050			10.00			23	11	20	60	11	26	28.98	29.99
04	CLR	NC			10.00		32	26	30	79	6	05	29.30	30.32	04	OVC	048			10.00			22	10	19	60	9	25	28.95	29.97
07	CLR	NC			10.00		32	25	29	75	5	05	29.32	30.34	07	OVC	039			6.00	-SN		22	15	20	74	10	26	28.99	30.01
10	CLR	NC			10.00		35	25	31	67	7	05	29.32	30.35	10	OVC	038			4.00	-SN		25	18	23	75	7	24	29.03	30.05
13	CLR	NC			10.00		39	27	34	62	5	01	29.31	30.33	13	OVC	044			10.00			30	18	26	61	9	27	29.04	30.06
16	OVC	090			10.00		40	28	35	62	0	00	29.26	30.28	16	OVC	035			10.00			30	18	26	61	6	VR	29.05	30.08
19	OVC	060			6.00	-RA BR	36	34	35	92	3	06	29.26	30.28	19	OVC	033			10.00			30	20	27	66	5	20	29.12	30.14
22	OVC	050			5.00	-RA BR	36	35	36	96	6	05	29.19	30.21	22	OVC	029			10.00			29	20	26	69	5	27	29.15	30.19
SUNRISE: 0734 FEB 05						SUNSET: 1808						SUNRISE: 0729 FEB 11						SUNSET: 1814												
01	OVC	070			5.00	-RA BR	37	36	37	96	7	05	29.10	30.11	01	OVC	029			10.00			29	19	26	66	5	VR	29.16	30.19
04	OVC	008			4.00	RA BR	38	37	38	96	9	06	29.00	29.99	04	OVC	023			10.00			28	21	26	75	0	00	29.15	30.18
07	OVC	012			4.00	RA BR	39	38	39	96	9	05	28.90	29.90	07	OVC	025			10.00			27	19	24	72	3	02	29.15	30.18
10	OVC	027			9.00	-RA	40	39	40	96	7	VR	28.80	29.80	10	OVC	025			10.00			28	19	25	69	6	06	29.18	30.22
13	OVC	027			10.00		44	40	42	86	0	00	28.68	29.67	13	CLR	NC			10.00			33	21	29	61	0	00	29.13	30.16
16	OVC	019			5.00	-RA BR	43	42	43	96	0	00	28.59	29.57	16	CLR	NC			10.00			37	22	32	55	0	00	29.06	30.07
19	OVC	013			6.00	RA BR	43	42	43	96	5	VR	28.60	29.58	19	CLR	NC			10.00			33	22	29	64	0	00	29.09	30.11
22	OVC	006			5.00	-RA BR	42	41	42	96	8	24	28.58	29.56	22	CLR	NC			10.00			30	21	27	69	5	05	29.09	30.11
SUNRISE: 0733 FEB 06						SUNSET: 1809						SUNRISE: 0728 FEB 12						SUNSET: 1815												
01	OVC	006			10.00	-RA	42	41	42	96	7	20	28.55	29.53	01	CLR	NC			10.00			28	20	25	72	6	07	29.09	30.10
04	OVC	014			5.00	-RA BR	42	41	42	96	8	25	28.55	29.53	04	CLR	NC			10.00			27	19	24	72	6	06	29.06	30.08
07	OVC	026			10.00	-RA	37	34	36	89	6	VR	28.60	29.59	07	CLR	NC			10.00			27	19	24	72	5	04	29.05	30.07
10	OVC	029			10.00		36	30	34	79	7	VR	28.69	29.68	10	CLR	NC			10.00			29	19	26	66	8	07	29.02	30.04
13	OVC	027			5.00	UP	36	31	34	82	3	VR	28.76	29.74	13	OVC	120			10.00			32	19	28	59	3	04	28.95	29.97
16	OVC	024			10.00		36	29	33	76	6	34	28.83	29.83	16	OVC	095			10.00			33	19	28	56	0	00	28.90	29.92
19	OVC	024			10.00		33	27	31	79	9	34	28.94	29.95	19	FEW	120			10.00			33	19	28	56	0	00	28.90	29.91
22	OVC	018			10.00		32	27	30	82	5	34	29.00	30.01	22	CLR	NC			10.00			31	17	26	56	6	34	28.92	29.94

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 2010 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: 0727 FEB 13						SUNSET: 1816						SUNRISE: 0720 FEB 19						SUNSET: 1822											
01	CLR	NC			10.00		27	18	24	69	3	VR	28.93	29.95	01	CLR	NC			10.00		28	25	27	89	0	00	29.16	30.19
04	CLR	NC			10.00		24	16	22	71	5	08	28.92	29.94	04	SCT	037			10.00		26	23	25	88	0	00	29.18	30.20
07	CLR	NC			10.00		20	16	19	84	5	22	28.97	30.00	07	CLR	NC			10.00		24	21	23	88	0	00	29.20	30.23
10	SCT	050			10.00		28	18	25	66	0	00	29.00	30.02	10	CLR	NC			10.00		36	27	33	70	0	00	29.25	30.27
13	OVC	045			10.00		34	19	29	54	0	00	28.99	30.01	13	CLR	NC			10.00		47	23	38	39	0	00	29.21	30.22
16	OVC	046			10.00		34	19	29	54	9	29	29.00	30.02	16	CLR	NC			10.00		52	22	40	31	3	VR	29.17	30.18
19	OVC	039			10.00		32	19	28	59	3	26	29.01	30.04	19	CLR	NC			10.00		45	23	36	42	0	00	29.17	30.19
22	OVC	037			10.00		32	18	27	56	5	27	29.03	30.05	22	CLR	NC			10.00		35	26	32	70	0	00	29.20	30.22
SUNRISE: 0725 FEB 14						SUNSET: 1817						SUNRISE: 0719 FEB 20						SUNSET: 1823											
01	OVC	037			10.00		31	19	27	61	0	00	29.03	30.04	01	CLR	NC			10.00		29	25	28	85	0	00	29.21	30.22
04	BKN	033			10.00		31	19	27	61	0	00	29.02	30.03	04	CLR	NC			10.00		27	23	26	85	0	00	29.21	30.22
07	CLR	NC			10.00		27	19	24	72	5	22	29.03	30.05	07	CLR	NC			10.00		26	24	25	92	0	00	29.25	30.27
10	OVC	055			10.00		32	20	28	61	0	00	29.03	30.04	10	SCT	110			10.00		39	24	33	55	6	05	29.24	30.26
13	OVC	032			10.00		34	22	30	62	3	VR	28.99	30.01	13	OVC	100			10.00		53	16	39	23	3	VR	29.22	30.23
16	OVC	030			10.00		37	24	32	59	0	00	28.94	29.95	16	CLR	NC			10.00		58	12	41	16	0	00	29.15	30.15
19	OVC	018			10.00		35	31	33	85	3	22	28.94	29.96	19	CLR	NC			10.00		49	21	38	33	0	00	29.16	30.17
22	OVC	020			5.00	BR	34	32	33	92	0	00	28.94	29.95	22	CLR	NC			10.00		38	26	33	62	0	00	29.16	30.17
SUNRISE: 0724 FEB 15						SUNSET: 1818						SUNRISE: 0717 FEB 21						SUNSET: 1824											
01	OVC	040			6.00	BR	34	32	33	92	0	00	28.85	29.86	01	CLR	NC			10.00		32	25	29	75	0	00	29.16	30.16
04	OVC	020			1.25	-SN BR	33	32	33	96	0	00	28.77	29.77	04	CLR	NC			10.00		30	25	28	82	0	00	29.16	30.16
07	OVC	003			1.25	-SN BR	33	32	33	96	7	VR	28.76	29.76	07	CLR	NC			10.00		28	26	27	92	0	00	29.17	30.18
10	OVC	040			10.00		25	18	23	75	9	25	28.89	29.91	10	CLR	NC			10.00		42	27	36	55	5	05	29.16	30.17
13	OVC	042			4.00	-SN	27	19	24	72	9	25	28.89	29.91	13	CLR	NC			10.00		57	26	44	30	0	00	29.10	30.09
16	OVC	041			10.00		29	19	26	66	9	23	28.90	29.92	16	CLR	NC			10.00		63	25	46	24	6	18	28.97	29.95
19	OVC	040			9.00		27	18	24	69	7	26	28.94	29.96	19	CLR	NC			10.00		54	32	44	43	0	00	28.93	29.92
22	OVC	039			9.00		25	19	23	78	7	VR	28.97	30.00	22	CLR	NC			10.00		44	33	39	65	0	00	28.89	29.88
SUNRISE: 0723 FEB 16						SUNSET: 1819						SUNRISE: 0716 FEB 22						SUNSET: 1825											
01	OVC	034			10.00		24	16	22	71	3	VR	29.00	30.03	01	OVC	090			10.00		43	34	39	71	0	00	28.84	29.81
04	OVC	035			7.00	-SN	23	17	21	78	5	22	28.99	30.02	04	OVC	080			10.00		46	44	45	93	0	00	28.82	29.79
07	OVC	039			10.00		23	17	21	78	5	22	29.02	30.05	07	OVC	027			4.00	BR	45	44	45	96	0	00	28.78	29.75
10	OVC	047			9.00		25	17	22	72	8	24	29.06	30.09	10	OVC	009			3.00	BR	47	45	46	93	0	00	28.79	29.77
13	OVC	049			7.00	-SN	29	18	25	63	8	25	29.04	30.07	13	OVC	011			10.00		51	47	49	86	5	23	28.77	29.74
16	OVC	041			10.00	-SN	29	18	25	63	7	27	29.02	30.04	16	OVC	035			10.00		53	47	50	80	5	28	28.74	29.70
19	OVC	039			10.00		28	18	25	66	6	VR	29.04	30.07	19	OVC	050			10.00		51	45	48	80	5	VR	28.77	29.75
22	OVC	028			10.00		28	18	25	66	8	25	29.05	30.07	22	OVC	042			10.00		48	44	46	86	0	00	28.79	29.77
SUNRISE: 0722 FEB 17						SUNSET: 1820						SUNRISE: 0715 FEB 23						SUNSET: 1826											
01	OVC	021			10.00		27	20	25	75	5	24	29.05	30.07	01	OVC	044			10.00		47	43	45	86	0	00	28.78	29.76
04	OVC	031			10.00		27	19	24	72	6	25	29.02	30.04	04	OVC	023			10.00		46	41	44	83	0	00	28.79	29.76
07	OVC	033			10.00		26	19	24	75	0	00	29.02	30.05	07	OVC	020			10.00		43	37	40	79	0	00	28.82	29.80
10	OVC	033			10.00		28	21	26	75	6	25	29.04	30.07	10	OVC	018			10.00		41	35	38	79	0	00	28.88	29.87
13	OVC	032			10.00		31	19	27	61	3	VR	29.02	30.05	13	OVC	020			10.00		42	34	39	73	6	01	28.91	29.89
16	OVC	034			10.00		32	19	28	59	7	28	29.02	30.04	16	OVC	022			10.00		40	32	37	73	3	36	28.92	29.91
19	OVC	042			10.00		31	21	28	66	5	23	29.06	30.09	19	OVC	028			10.00		38	29	34	70	5	35	28.94	29.93
22	OVC	065			10.00		30	22	27	72	3	21	29.09	30.12	22	OVC	030			10.00		37	27	33	67	3	34	28.98	29.98
SUNRISE: 0721 FEB 18						SUNSET: 1821						SUNRISE: 0714 FEB 24						SUNSET: 1827											
01	OVC	044			10.00		30	23	28	75	5	22	29.10	30.12	01	OVC	030			10.00		36	26	32	67	3	VR	28.97	29.97
04	OVC	036			10.00		31	22	28	69	0	00	29.09	30.11	04	OVC	038			10.00		35	27	32	73	0	00	28.92	29.92
07	OVC	030			10.00		30	24	28	78	0	00	29.13	30.16	07	OVC	040			9.00		34	29	32	82	0	00	28.93	29.94
10	CLR	NC			10.00		34	20	29	57	6	22	29.19	30.21	10	OVC	044			10.00		37	28	33	70	3	19	28.95	29.95
13	CLR	NC			10.00		39	21	32	48	0	00	29.15	30.17	13	OVC	032			10.00		40	27	35	60	0	00	28.93	29.93
16	CLR	NC			10.00		45	24	37	44	5	VR	29.10	30.11	16	OVC	060			10.00		38	22	32	53	6	VR	28.92	29.92
19	CLR	NC			10.00		42	24	35	49	3	26	29.13	30.13	19	BKN	075			5.00	-SN	34	24	30	67	8	27	28.94	29.95
22	CLR	NC			10.00		32	25	29	75	0	00	29.16	30.18	22	SCT	036			10.00		28	14	24	56	5	30	29.01	30.02

OBSERVATIONS AT 3-HOURLY INTERVALS

OAK RIDGE, TN

FEBRUARY 2010

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 Okta's		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL
SUNRISE: 0713 FEB 25 SUNSET: 1828														
01	OVC	045			9.00 -SN	26	15	23	63	5	29	29.02	30.03	
04	OVC	040			10.00	26	14	22	60	3	VR	29.01	30.03	
07	OVC	040			10.00	25	20	23	81	0	00	29.03	30.05	
10					6.00 -SN	27	20	25	75	6	VR	29.07	30.10	
13					10.00	33	14	27	46	13	31	29.10	30.12	
16	FEW	047			10.00	36	13	28	39	6	VR	29.08	30.09	
19	CLR	NC			10.00	32	15	26	49	7	29	29.09	30.12	
22	CLR	NC			10.00	28	17	24	63	3	21	29.12	30.14	
SUNRISE: 0711 FEB 26 SUNSET: 1829														
01	OVC	045			10.00	30	15	25	54	3	26	29.10	30.12	
04	CLR	NC			10.00	28	15	24	58	0	00	29.08	30.09	
07	CLR	NC			10.00	22	16	20	78	0	00	29.08	30.11	
10	CLR	NC			10.00	32	16	27	52	0	00	29.08	30.09	
13	CLR	NC			10.00	41	12	31	30	3	VR	29.01	30.02	
16	CLR	NC			10.00	44	15	34	31	8	24	28.94	29.94	
19	CLR	NC			10.00	40	15	31	36	6	VR	28.94	29.96	
22	CLR	NC			10.00	36	17	29	46	7	25	28.96	29.97	
SUNRISE: 0710 FEB 27 SUNSET: 1830														
01	CLR	NC			10.00	33	17	28	52	6	VR	28.93	29.93	
04	CLR	NC			10.00	31	17	26	56	3	VR	28.89	29.89	
07	CLR	NC			10.00	29	17	25	61	6	23	28.89	29.89	
10	FEW	037			10.00	35	19	29	52	3	VR	28.90	29.91	
13	OVC	045			10.00	40	21	33	47	5	27	28.87	29.87	
16	OVC	075			10.00	43	21	35	42	3	VR	28.83	29.84	
19	OVC	050			10.00	40	21	33	47	0	00	28.89	29.90	
22	OVC	050			10.00	36	27	33	70	0	00	28.93	29.93	
SUNRISE: 0709 FEB 28 SUNSET: 1831														
01	OVC	030			10.00	36	28	33	73	6	29	28.92	29.92	
04	OVC	018			10.00	34	29	32	82	0	00	28.91	29.91	
07	OVC	029			10.00	34	28	32	79	0	00	28.96	29.96	
10	OVC	024			10.00	34	27	31	76	3	02	29.03	30.03	
13	OVC	024			10.00	36	27	33	70	0	00	29.05	30.06	
16	OVC	033			10.00	37	26	33	65	0	00	29.04	30.05	
19	OVC	027			10.00	36	26	32	67	0	00	29.09	30.10	
22	OVC	029			10.00	36	27	33	70	0	00	29.10	30.12	

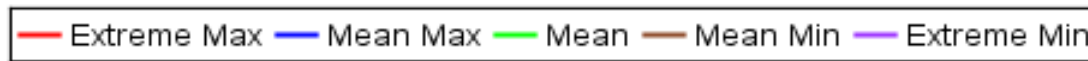
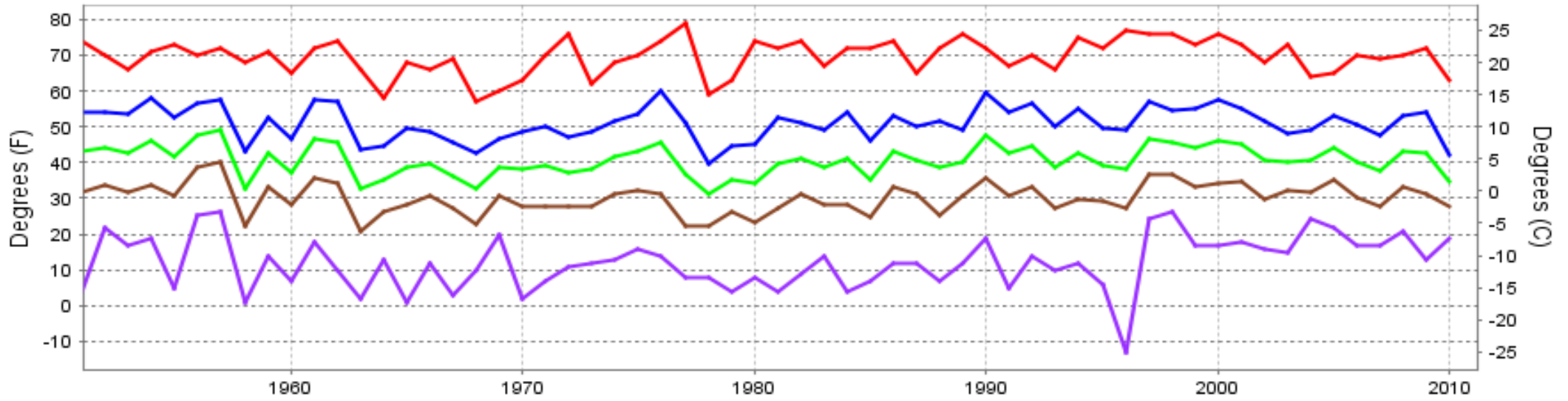
HOUR (LST)	SKY COVER	CEILING 100's of FT.	SATELLITE		WEATHER	TEMPERATURE °F			WIND		PRESSURE (INCHES, HG)			
			Observation Time (LST)	Eff Cl'd Amt Okta's		VISIBILITY (MILES)	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY (PCT)	SPEED (MPH)	DIRECTION Tens of Deg	STATION	SEA LEVEL

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

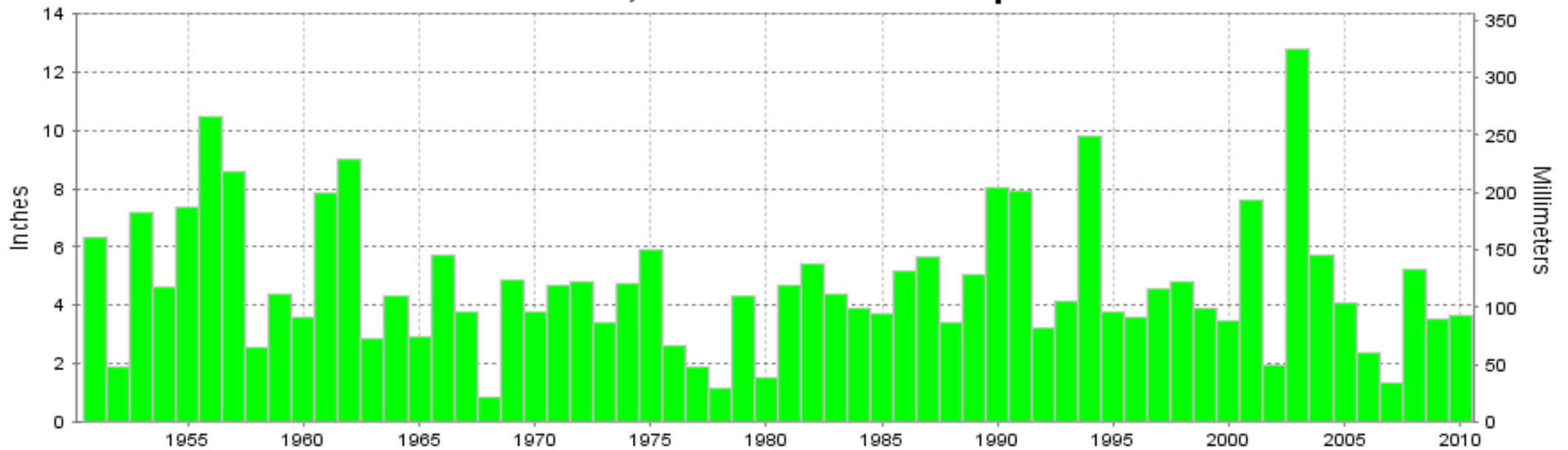
HOUR (LST)	AVERAGES										RESULTANT WIND (MPH)	
	CEILOMETER	EFF CLD AMT	DRY BULB	DEW POINT	WET BULB	RELATIVE HUMIDITY	PRESSURE (Inches, HG)		VISIBILITY (Miles)	WIND SPEED (MPH)	SPEED	DIRECTION
							STATION	SEA LEVEL				
01			32	25	30	77	29.04	30.05	8.94	3	2	33
02			32	25	30	77	29.04	30.05	8.79	2	3	32
03			32	25	30	79	29.03	30.04	8.31	2	2	36
04			31	25	29	79	29.02	30.03	8.44	2	3	36
05			31	25	29	82	29.02	30.03	8.54	2	2	33
06			30	25	28	82	29.03	30.04	8.17	2	2	01
07			30	25	28	83	29.03	30.05	8.51	3	3	34
08			30	25	28	80	29.04	30.06	8.46	3	2	34
09			32	25	29	78	29.05	30.07	7.82	3	2	35
10			34	25	31	73	29.05	30.07	8.93	4	2	36
11			35	25	32	68	29.05	30.07	9.20	4	2	36
12			37	25	33	65	29.05	30.06	9.39	4	3	31
13			38	25	33	62	29.03	30.04	9.02	3	4	30
14			39	25	34	61	29.01	30.02	9.23	4	4	30
15			40	25	35	59	29.00	30.01	9.19	3	5	30
16			40	25	35	58	29.00	30.00	9.54	4	5	30
17			40	25	34	60	29.00	30.01	9.23	4	4	29
18			39	25	34	62	29.01	30.02	9.09	4	3	30
19			37	26	33	65	29.02	30.03	9.29	3	4	30
20			36	26	32	68	29.03	30.04	9.29	3	4	30
21			35	26	32	70	29.03	30.05	9.29	3	3	31
22			34	26	31	73	29.04	30.05	9.11	4	3	30
23			33	26	30	75	29.04	30.05	8.88	3	3	31
24			33	25	30	74	29.04	30.05	9.07	3	3	32

OAK RIDGE, TN FEBRUARY Temperatures



Long-Term (1951-2010) Mean: 40.7
 1971-2000 Normal: 40.6

OAK RIDGE, TN FEBRUARY Precipitation



Long-Term (1951-2010) Mean Monthly Total: 4.75

1971-2000 Normal: 4.50



FEBRUARY 2010
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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